

# ADAME TECH

eCATALOG 2024.1

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Adam Tech Spring Loaded Pins consist of a specially designed barrel and steel spring in either a discrete form or integrated into an insulator carrier/magnetic assembly. They are used in many industries across a wide range of applications to make a secure, high reliability connection. This series is highly customizable to meet specific stroke lengths, heights, and electrical capabilities. High-temp plastics are used for our insulators and unlimited molding designs allow for many different shapes and styles to be created for specific applications.

## FEATURES & SPECIFICATIONS

### FEATURES:

High Reliability, corrects connection between uneven surfaces and satisfies high vibration connection requirements  
 Increased durability for heavy duty applications  
 Highly Customizable-Size, stroke, shape, pin count, etc.  
 Low Cost and Easily Integrated

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PA46 Rated 94-V0  
 Optional Hi-Temp insulator: LCP  
 Insulator Color: Black  
 Shell: Copper Alloy

Spring: Stainless Steel  
 Contact Plating: Golf Flash over Nickel Underplate  
 Overall

#### Electrical:

Operating Voltage: 12 Volts  
 Current Rating: 1 – 3 Amps depending on spring height and construction option  
 Contact Resistance at working stroke: 20 mohms max before test, 60 mohms max after test  
 Insulation Resistance: 100 mohm min  
 Dielectric Withstanding Voltage: 100 VRMS @ 60 HZ

#### Mechanical:

Spring Force: 90 +/- 20gf @ 1mm working stroke (3.30mm)  
 70 +/- 20gf @ 1mm working stroke (4.30mm and 5.30mm)  
 Full Stroke: 1.40mm

#### Temperature Rating:

Operating Temperature: -30C to +85C



## DISCRETE POGO PIN PART NUMBER CONFIGURATION

PH	MH5F	1113	200	
SERIES	GENDER, MOUNTING ORIENTATION & TYPE	HEIGHT		PITCH
<b>PH</b> = Discrete Pogo Pin	1st Character for Gender <b>M</b> = Male <b>F</b> = Female  2nd Character for Mounting Orientation <b>V</b> = Straight Mount <b>H</b> = Right Angle Mount  3rd Character for Type <b>F</b> = SMT <b>E</b> = SIDE SMT <b>P</b> = DIP <b>D</b> = Double Head <b>S</b> = Solder Cup <b>T</b> = Thread <b>5F</b> = High Current 5A SMT <b>5P</b> = High Current 5A DIP <b>5S</b> = High Current 5A Solder Cup <b>AF</b> = High Current 10A SMT <b>C</b> = Customized Spec <b>MP</b> = Magnet DIP <b>CC</b> = Customized Cable <b>RP</b> = Reverse Pogo pin	First Two Characters for Barrel Height <b>11</b> = 1.10mm <b>13</b> = 1.30mm <b>15</b> = 1.50mm <b>17</b> = 1.70mm <b>19</b> = 1.90mm <b>20</b> = 2.00mm <b>23</b> = 2.30mm <b>26</b> = 2.60mm <b>30</b> = 3.00mm <b>33</b> = 3.30mm <b>36</b> = 3.60mm <b>43</b> = 4.30mm <b>50</b> = 5.00mm <b>53</b> = 5.30mm <b>55</b> = 5.50mm <b>73</b> = 7.30mm <b>A3</b> = 10.30mm <b>C3</b> = 12.30mm	Last Two Characters for Initial Height <b>13</b> = 1.30mm <b>15</b> = 1.50mm <b>17</b> = 1.70mm <b>19</b> = 1.90mm <b>21</b> = 2.10mm <b>23</b> = 2.30mm <b>25</b> = 2.50mm <b>27</b> = 2.70mm <b>29</b> = 2.90mm <b>31</b> = 3.10mm <b>33</b> = 3.30mm <b>35</b> = 3.50mm <b>37</b> = 3.70mm <b>40</b> = 4.00mm <b>42</b> = 4.20mm <b>44</b> = 4.40mm <b>45</b> = 4.50mm <b>50</b> = 5.0mm <b>60</b> = 6.0mm <b>64</b> = 6.4mm <b>65</b> = 6.5mm <b>70</b> = 7.0mm <b>75</b> = 7.5mm <b>80</b> = 8.0mm <b>85</b> = 8.5mm <b>90</b> = 9.0mm <b>A0</b> = 10.0mm <b>B0</b> = 11.0mm <b>B5</b> = 11.5mm <b>C0</b> = 12.0mm <b>C5</b> = 12.5mm <b>D0</b> = 13.0mm <b>D5</b> = 13.5mm <b>E0</b> = 14.0mm <b>E5</b> = 14.5mm <b>F0</b> = 15.0mm	<b>200</b> = 2mm <b>300</b> = 3mm <b>127</b> = 1.27mm <b>254</b> = 2.54mm

## POGO PIN CONNECTOR WITH INSULATION HOUSING PART NUMBER CONFIGURATION

PH1	C	3A	40	+ MHP (PPG)
SERIES	CUSTOM PART	PITCH & INSULATION HEIGHT	POSITIONS	+MHP (PPG)
<b>PH1</b> = Pogo Pin Connector Single Row <b>PH2</b> = Pogo Pin Connector Double Row		1st Character for Pitch <b>3</b> = 2.54mm <b>5</b> = 2.50mm <b>6</b> = 1.8mm <b>7</b> = 2.7mm <b>8</b> = 5.0mm <b>9</b> = 1.7mm <b>A1</b> = 4.0mm <b>A2</b> = 1.8/1.5mm  2nd Character for Insulation Height <b>A</b> = 1.27mm <b>B</b> = 1.50mm <b>C</b> = 3.80mm <b>D</b> = 4.00mm <b>E</b> = 2.00mm <b>F</b> = 2.50mm <b>G</b> = 3.00mm <b>H</b> = 4.50mm <b>J</b> = 3.50mm	Single Row = <b>01</b> thru <b>40</b> Dual Row = <b>02</b> thru <b>40</b>	Follow by Discrete Pogo Pin PPG P/N - Standard (Ex, MHP-1113-11) Non-Standard or Customization (Ex, MVD-RD07511)

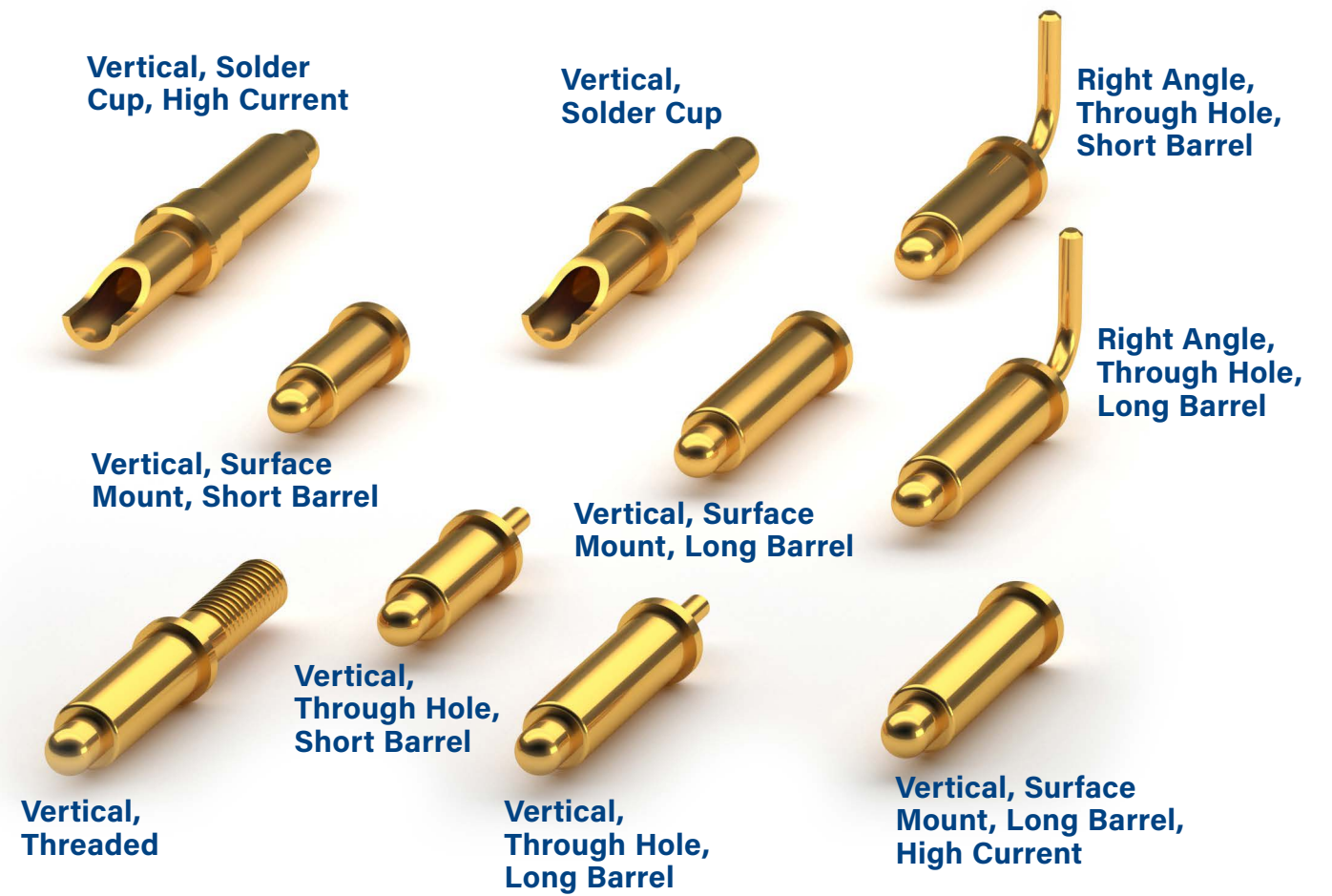
## POGO PIN CABLE ASSEMBLY PART NUMBER CONFIGURATION

CA	ST2	PH1	25410	M
SERIES	ORIENTATION & POSITIONS	ROW OF PIN HEADER	PITCH & CONNECTOR LENGTH	GENDER
<b>CA</b> = Cable assembly	1st Character for Mounting Orientation <b>ST</b> = Straight <b>RA</b> = Right Angle  2nd Character Positions <b>2</b> = 2 PIN	<b>1</b> = Single Row <b>2</b> = Dual Row <b>R</b> = Round shape connector w/magnet	1st Character for Pitch <b>254</b> = 2.54mm  2nd Character for connector length <b>10</b> = 10mm	<b>M</b> = Male <b>F</b> = Female  <b>M1, M2, M3, ...</b> for New type

### DISCRETE SPRING LOADED PINS

Adam Tech Discrete Spring Loaded pins are manufactured with precision from the highest quality brass barrels and plungers, support by industry leading spring steel to support long life cycles and high reliability. Our pins come in a wide range of heights, stroke length, mounting orientations, and electrical capabilities.

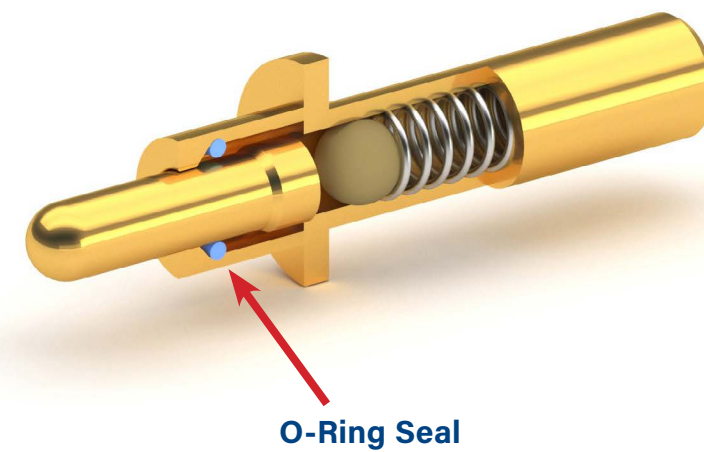
PART NUMBER	GENDER	MOUNTING ORIENTATION	TERMINATION TYPE	OPTIONS	PRODUCT DATA
PH-MH5P-XXXX	Male	Right Angle	Through Hole	High Current (5 Amps)	<a href="#">View</a>
PH-MHP-XXXX	Male	Right Angle	Through Hole		<a href="#">View</a>
PH-MV5F-XXXX	Male	Vertical	Surface Mount	High Current (5 Amps)	<a href="#">View</a>
PH-MV5P-XXXX	Male	Vertical	Through Hole	High Current (5 Amps)	<a href="#">View</a>
PH-MV5S-XXXX	Male	Vertical	Solder Cup	High Current (5 Amps)	<a href="#">View</a>
PH-MVF-XXXX	Male	Vertical	Surface Mount		<a href="#">View</a>
PH-MVP-XXXX	Male	Vertical	Through Hole		<a href="#">View</a>
PH-MVS-XXXX	Male	Vertical	Solder Cup		<a href="#">View</a>
PH-MVT-XXXX	Male	Vertical	Threaded		<a href="#">View</a>



### WATERPROOF DISCRETE SPRING LOADED PINS

Adam Tech "Waterproof" Discrete Pogo Pins are manufactured with the same precision as our standard discrete pogo pins with an added rubber seal. These pins are IP rated for repelling water and suitable for outdoor applications subject to a wet environment.

PART NUMBER	TERMINATION TYPE	PRODUCT DATA
PH-MVP-26515-10-10-WP	Through Hole	<a href="#">View</a>

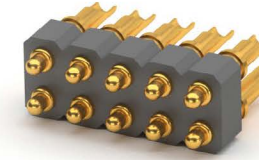


### SPRING LOADED

Adam Tech Spring Loaded Connectors consist of a pin, barrel, and steel spring with or without an insulator carrier. They are used in many industries across a wide range of applications to make a secure, high reliability connection. This series is highly customizable to meet specific stroke lengths, heights, and electrical capabilities. High-temp plastics are used for our insulators and unlimited molding designs allow for many different shapes and styles to be created for specific applications.

PART NUMBER	ROWS	MOUNTING ORIENTATION	TERMINATION TYPE	PRODUCT DATA
<a href="#">PH1-3B-XX-MVF-XXXX</a>	Single Row	Vertical	Surface Mount	<a href="#">View</a>
<a href="#">PH1-3B-XX-MVP-XXXX</a>	Single Row	Vertical	Through Hole	<a href="#">View</a>
<a href="#">PH1-3B-XX-MVS-XXXX</a>	Single Row	Vertical	Solder Cup	<a href="#">View</a>
<a href="#">PH2-3B-XX-MVF-XXXX</a>	Dual Row	Vertical	Surface Mount	<a href="#">View</a>
<a href="#">PH2-3B-XX-MVF-XXXX-C1</a>	Dual Row	Vertical	Surface Mount	<a href="#">View</a>
<a href="#">PH2-3B-XX-MVP-XXXX</a>	Dual Row	Vertical	Through Hole	<a href="#">View</a>
<a href="#">PH2-3B-XX-MVS-XXXX</a>	Dual Row	Vertical	Solder Cup	<a href="#">View</a>
<a href="#">PH2-3B-XX-MVS-XXXX-C1</a>	Dual Row	Vertical	Solder Cup	<a href="#">View</a>

Dual Row, Vertical, Solder Cup



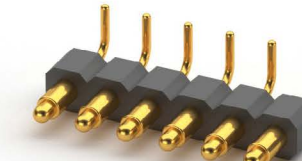
Dual Row, Vertical, Through Hole



Dual Row, Vertical, Surface Mount



Single Row, Vertical, Through Hole



Single Row, Right Angle, Through Hole



Single Row, Vertical, Surface Mount

### SPECIAL SPRING LOADED

Adam Tech offers full design customization capabilities for our spring loaded connectors. Below you can find a range of customized spring loaded connectors we've tailored for very specific applications. These are available for purchase. Customers can also request different shapes, sizes, and other features to fit into any application requirement necessary. Fast turn design and full 2D/3D models are available during the design phase. From concept to production, designing a custom spring loaded connector with Adam Tech is a seamless process aimed at total customer satisfaction.

PART NUMBER	PRODUCT TYPE	PIN COUNT	HIGH SPEED DATA RATE	PRODUCT DATA
<a href="#">ADT-AN7975-C1</a>	Printer Cartridge Connectors	24 Pins		<a href="#">View</a>
<a href="#">ADT-AN7975-C2</a>	Printer Cartridge Connectors	37 Pins		<a href="#">View</a>
<a href="#">HDR-F-18-S-01-5</a>	High Speed Data Rate Spring Loaded Set		High Speed Data Rate	<a href="#">View</a>
<a href="#">HDR-M-18-S-01-5</a>	High Speed Data Rate Spring Loaded Set		High Speed Data Rate	<a href="#">View</a>

37 Pin Printer Cartridge Spring Loaded Connector



24 Pin Printer Cartridge Spring Loaded Connector



### MATING PAD CONNECTORS

Adam Tech Mating Pad Connectors are the ideal mating solution for our line of spring loaded connectors. These dip-loaded parts have a .100" [2.54mm] pitch, vertical mounting orientation, and through hole termination. They are offered in either a single row or dual row configuration. Positions range from 1-40, offering mating capabilities to a wide range of pogo pin products.

PART NUMBER	ROWS	CENTERLINE	POSITIONS	GENDER	MOUNTING ORIENTATION	TERMINATION TYPE	PRODUCT DATA
<a href="#">PH1-3F-XX-FVP-24415-C1</a>	Single Row	.100" [2.54mm]	01-40	Female	Vertical	Through Hole	<a href="#">View</a>
<a href="#">PH2-3F-XX-FVP-24415-C1</a>	Dual Row	.100" [2.54mm]	01-40	Female	Vertical	Through Hole	<a href="#">View</a>



Single & Dual Row Female Mating Pads

Magnetic cable assemblies and connectors are a popular and quickly growing product line. Adam Tech has incorporated over 30 years of connector knowledge and experience to develop a line of custom magnetic assembly solutions. In addition to a being available in a variety of configurations, these products offer several key features and benefits in the market:

- Blind mate and easy connection
- Waterproof capabilities
- Variety of pin counts and shapes
- User friendliness
- Easily detachable for real world applications (fitness, medical, outdoor, etc)



PART NUMBER	TYPE	PIN COUNT	SHAPE	PRODUCT DATA
<a href="#">CA-RA2-PHR-15103-M</a>	Cable Assembly	1	Circular	<a href="#">View</a>
<a href="#">CA-RA2-PHR-32572-M</a>	Cable Assembly	1	Circular	<a href="#">View</a>
<a href="#">CA-RA2-PHR-34113-M-WT</a>	Cable Assembly	1	Circular	<a href="#">View</a>
<a href="#">CA-RA4-PHI-181279-M</a>	Cable Assembly	4	Rectangular	<a href="#">View</a>
<a href="#">CA-RA4-PHI-1888-M</a>	Cable Assembly	4	Rectangular	<a href="#">View</a>
<a href="#">CA-RA5-PHI-25736-M</a>	Cable Assembly	5	Rectangular	<a href="#">View</a>
<a href="#">CA-ST2-PHI-25410-M</a>	Cable Assembly	2	Square	<a href="#">View</a>
<a href="#">CA-ST2-PHI-558-M</a>	Cable Assembly	2	Rounded Rectangular	<a href="#">View</a>
<a href="#">CA-ST2-PHR-198-M</a>	Cable Assembly	1	Circular	<a href="#">View</a>
<a href="#">CA-ST2-PHR-202-M</a>	Cable Assembly	1	Circular	<a href="#">View</a>
<a href="#">CA-ST5-PHI-18S-M</a>	Cable Assembly	5	Rectangular	<a href="#">View</a>
<a href="#">CA-ST6-PH2-254105-M</a>	Cable Assembly	6	Square	<a href="#">View</a>
<a href="#">CA-USBAM-PH-3E02-MVCC</a>	Cable Assembly	2	Rectangular	<a href="#">View</a>
<a href="#">CA-USBAM-PH-3E03-MVCC</a>	Cable Assembly	3	Rectangular	<a href="#">View</a>
<a href="#">CA-USBAM-PH-3E04-MVCC</a>	Cable Assembly	4	Rectangular	<a href="#">View</a>
<a href="#">CA-USBAM-PH-3E05-MVCC</a>	Cable Assembly	5	Rectangular	<a href="#">View</a>
<a href="#">PH-MV15F-9012</a>	Connector	1	Circular	<a href="#">View</a>
<a href="#">PHI-3L-02-FVMP-4560</a>	Connector	2	Rectangular	<a href="#">View</a>
<a href="#">PHI-3L-03-FVMP-4560</a>	Connector	3	Rectangular	<a href="#">View</a>
<a href="#">PHI-3L-04-FVMP-4560</a>	Connector	4	Rectangular	<a href="#">View</a>
<a href="#">PHI-3L-05-FVMP-4560</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C18395-05-FVP-585</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C184-05-FVP-59</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C1849-04-MVP-5S4S</a>	Connector	4	Rounded Rectangular	<a href="#">View</a>
<a href="#">PHI-C1853-04-MVP-7365</a>	Connector	4	Rounded Rectangular	<a href="#">View</a>
<a href="#">PHI-C1855-05-FHP-728</a>	Connector	5	Rectangular	<a href="#">View</a>

PART NUMBER	TYPE	PIN COUNT	SHAPE	PRODUCT DATA
<a href="#">PHI-C1857-04-FHP-5</a>	Connector	4	Rounded Rectangular	<a href="#">View</a>
<a href="#">PHI-C18696-05-MVP-865975</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2118S-07-FVF-153</a>	Connector	7	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2135-07-MVP-4351</a>	Connector	7	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2446-08-MHP-826996</a>	Connector	8	Rectangular	<a href="#">View</a>
<a href="#">PHI-C24595-08-FHP-709</a>	Connector	8	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2520-02-MVF-4565</a>	Connector	2	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2524-05-MVF-2533</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C2535-05-FHP-52</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C25355-04-MVP-2635</a>	Connector	4	Rectangular	<a href="#">View</a>
<a href="#">PHI-C25381-05-MVP-464575</a>	Connector	5	Rectangular	<a href="#">View</a>
<a href="#">PHI-C315-03-MVF-3550</a>	Connector	3	Rectangular	<a href="#">View</a>
<a href="#">PHI-C365-04-FVRP-605685</a>	Connector	4	Rounded Rectangular	<a href="#">View</a>
<a href="#">PHI-C449-06-MHP-965A85</a>	Connector	6	Rectangular	<a href="#">View</a>
<a href="#">PHI-C463-06-FHP-71</a>	Connector	6	Rectangular	<a href="#">View</a>
<a href="#">PH2-C18575-14-MHP-A55935</a>	Connector	14	Trapezoid	<a href="#">View</a>
<a href="#">PH2-C18765-14-FHP-8</a>	Connector	14	Trapezoid	<a href="#">View</a>
<a href="#">PH2-C2528-08-MVP-40735</a>	Connector	8	Rectangular	<a href="#">View</a>
<a href="#">PH2-C25410-06-FVP</a>	Connector	6	Square	<a href="#">View</a>
<a href="#">PH2-C266-12-MVP-66</a>	Connector	12	Rectangular	<a href="#">View</a>
<a href="#">PH2-C272-12-FVP-76</a>	Connector	12	Rectangular	<a href="#">View</a>
<a href="#">PH2-C665-06-FVP-65S</a>	Connector	6	Rectangular	<a href="#">View</a>
<a href="#">PH2-C665-06-MVP-7792</a>	Connector	6	Rectangular	<a href="#">View</a>
<a href="#">PHR-C4777-02-FVP-800</a>	Connector	2	Circular	<a href="#">View</a>
<a href="#">PHR-C4777-02A-FVP-800</a>	Connector	2	Circular	<a href="#">View</a>



Adam Tech Toggle Switches are medium, miniature, and sub-miniature switches that are manually actuated by a mechanical lever. They are available in low current, power, and sealed (waterproof) IP67/IP68 versions. Commonly used as light duty control switches, these toggle switches are ideal for switching both high and low currents. This product line boasts a variety of termination styles, circuits, functions, and actuator lengths, making it ideal for a broad range of applications.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Variety of Toggle Switch sizes and orientations
- Sealed IP67 waterproof
- Sealed power IP68 waterproof
- Termination styles: solder type, PCB type, screw lug, PCB terminal, and quick connect terminal
- Circuits: SPST, SPDT, DPST, DPDT, and 3PDT
- Functions: ON-ON, ON-OFF, OFF-(ON), and ON-OFF-ON
- Various actuator length options

#### PACKAGING:

Bag or box

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. WOYR2.E520713

#### SPECIFICATIONS:

##### Material:

Body: PA66 or Bakelite  
Lever: Brass, nickel plated; or copper alloy, silver plated

##### Contact Plating:

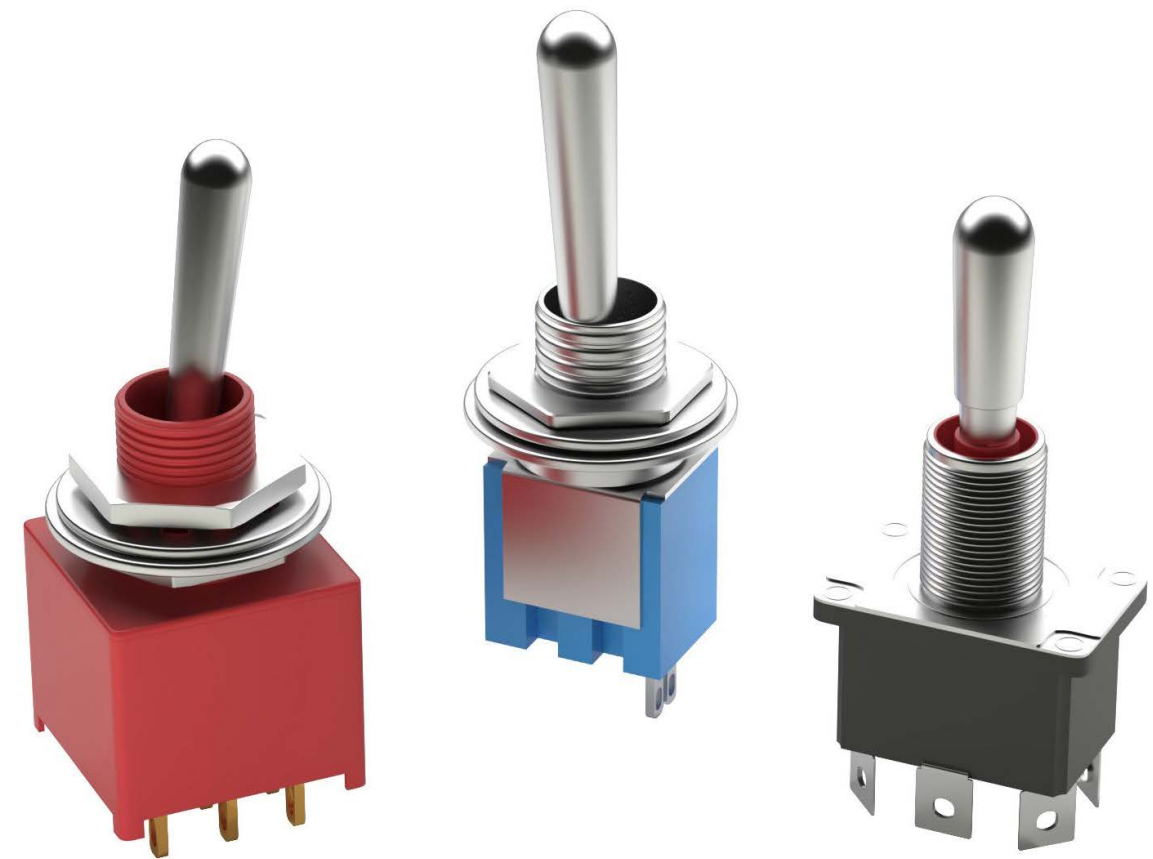
Terminal: Brass, silver or tin plated

##### Electrical:

Operating Voltage Range: 125 to 250 V AC  
Current Rating Range: 1.5 to 12 Amps  
Contact Resistance Range: 10 to 100 mΩ Max.  
Insulation Resistance Range: 100 to 1000 MΩ Min.  
Dielectric Withstanding Voltage Range: 1000 to 1500V AC for 1 Minute

##### TEMPERATURE RATING:

Operating Temperature Range: -30°C to +85°C



### PART NUMBER CONFIGURATION

SW	T1	1	A	A	A2	S	1
SERIES	TYPE	CONTACT FORM	SWITCH FUNCTION	TERMINAL OPTION	HANDLE OPTION	CONTACT PLATING	VERSION/STYLE
<b>SW</b> = Switch	<b>T</b> = Toggle <b>T1</b> = Toggle Medium <b>T2</b> = Toggle Miniature <b>T3</b> = Toggle Sub-Miniature <b>T4</b> = Toggle Power	<b>1</b> = SPST <b>2</b> = SPDT <b>3</b> = DPST <b>4</b> = DPDT <b>5</b> = 3PST <b>6</b> = 3PDT <b>7</b> = SP3T	<b>A</b> = ON-OFF <b>B</b> = ON-ON <b>C</b> = OFF-(ON) <b>D</b> = ON-(ON) <b>E</b> = ON-OFF-ON <b>F</b> = ON-OFF-(ON) <b>G</b> = (ON)-OFF-(ON) <b>H</b> = (ON)-OFF-ON	<b>A</b> = Solder <b>B</b> = PCB Vertical <b>C</b> = PCB R/A <b>D</b> = Screw Lug <b>E</b> = QC .250" [6.35mm] <b>F</b> = QC .187" [4.80mm]	<b>A2</b> = 11.0mm (T2 Series) <b>B2</b> = 21.0mm (T2 Series) <b>C2</b> = 6.9mm (T2 Series) <b>D2</b> = 12.5mm (T2 Series) <b>E2 &amp; G2</b> = 15.0mm (T2 Series) <b>F2</b> = 12.0mm (T2 Series) <b>L2</b> = 17.0mm (T2 Series) <b>FL2</b> = 21.0mm (T2 Series) <b>A3</b> = 9.4mm (T3 Series) <b>C3</b> = 5.4mm (T3 Series) <b>D3</b> = 8.9mm (T3 Series) <b>Blank</b> = 17.5mm (T1 Series) <b>C1</b> = 14.0mm (T1 Series) <b>D1</b> = 18.0mm (T1 Series) <b>E1</b> = 28.0mm (T1 Series) <b>L1</b> = 50.0mm (T1 Series) <b>TA1</b> = 16.2mm (T1 Series) <b>T1</b> = 12.6mm (T2 Series, style 03) <b>T2</b> = 7.6mm (T2 Series, style 03) <b>T3</b> = 10.7mm (T2 Series, style 03)	<b>S</b> = Silver <b>G</b> = Gold	See Datasheets

PART NUMBER	TOGGLE SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	PRODUCT DATA
SW-T1-1X-B-K1	Medium Toggle	PC Terminal [6.35mm]	SPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T1-1X-D-K1	Medium Toggle	Screw Lug	SPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T1-2X-B-K1	Medium Toggle	PC Terminal [6.35mm]	SPDT	Multiple Function Options (see datasheet)	<a href="#">View</a>
SW-T1-2X-D-K1	Medium Toggle	Screw Lug	SPDT	Multiple Function Options (see datasheet)	<a href="#">View</a>
SW-T1-3X-B-K2	Medium Toggle	PC Terminal [6.35mm]	DPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T1-3X-D-K2	Medium Toggle	Screw Lug	DPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T1-4X-B-K2A	Medium Toggle	PC Terminal [6.35mm]	DPDT	Multiple Function Options (see datasheet)	<a href="#">View</a>
SW-T1-6X-D-C1-K3	Medium Toggle	Screw Lug	3PDT	ON-ON	<a href="#">View</a>
SW-T2-1X-A-A2-M1	Miniature Toggle	Solder Type	SPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T2-2B-A-T1-X-03	IP67 Sealed Miniature Toggle	Solder Type	SPDT	ON-ON	<a href="#">View</a>
SW-T2-2B-A-T2-X-03	IP67 Sealed Miniature Toggle	Solder Type	SPDT	ON-ON	<a href="#">View</a>
SW-T2-2X-A-A2-M1	Miniature Toggle	Solder Type	SPDT	Multiple Function Options (see datasheet)	<a href="#">View</a>
SW-T2-3X-A-A2-M2	Miniature Toggle	Solder Type	DPST	ON-OFF or OFF-(ON)	<a href="#">View</a>
SW-T2-4B-A-T1-X-03	IP67 Sealed Miniature Toggle	Solder Type	DPDT	ON-ON	<a href="#">View</a>
SW-T2-4B-A-T2-X-03	IP67 Sealed Miniature Toggle	Solder Type	DPDT	ON-ON	<a href="#">View</a>
SW-T2-4X-A-A2-MA2	Miniature Toggle	Solder Type	DPDT	ON-OFF-ON	<a href="#">View</a>
SW-T2-4X-B-A2-MA2	Miniature Toggle	PCB Vertical Type	DPDT	Multiple Function Options (see datasheet)	<a href="#">View</a>
SW-T2-6X-A-A2-M3	Miniature Toggle	Solder Type	3PDT	ON-ON or ON-OFF-ON	<a href="#">View</a>
SW-T2-6X-B-A2-M3	Miniature Toggle	PCB Vertical Type	3PDT	ON-ON or ON-OFF-ON	<a href="#">View</a>
SW-T3-1A-A-A3-S1	Subminiature Toggle	Solder Type	SPST	ON-OFF	<a href="#">View</a>
SW-T3-2B-A-A3-S1	Subminiature Toggle	Solder Type	SPDT	ON-ON	<a href="#">View</a>
SW-T3-2B-A-T3-X-05	IP67 Sealed Subminiature Toggle	Solder Type	SPDT	ON-ON	<a href="#">View</a>
SW-T3-4B-A-A3-S2	Subminiature Toggle	Solder Type	DPDT	ON-ON	<a href="#">View</a>
SW-T3-4B-A-T3-X-05	IP67 Sealed Subminiature Toggle	Solder Type	DPDT	ON-ON	<a href="#">View</a>
SW-T4-1A-E-TA1-01	IP68 Sealed Power Toggle	Quick Connect Terminal [6.35mm]	SPST	ON-ON	<a href="#">View</a>
SW-T4-2B-E-TA1-01	IP68 Sealed Power Toggle	Quick Connect Terminal [6.35mm]	SPDT	ON-ON	<a href="#">View</a>



**SW-T1-3X-D-K2:**  
Medium Toggle,  
Screw Lug, DPST



**SW-T4-1A-E-TA1-01:**  
IP68 Sealed Power  
Toggle, Quick Connect  
Terminal, SPST

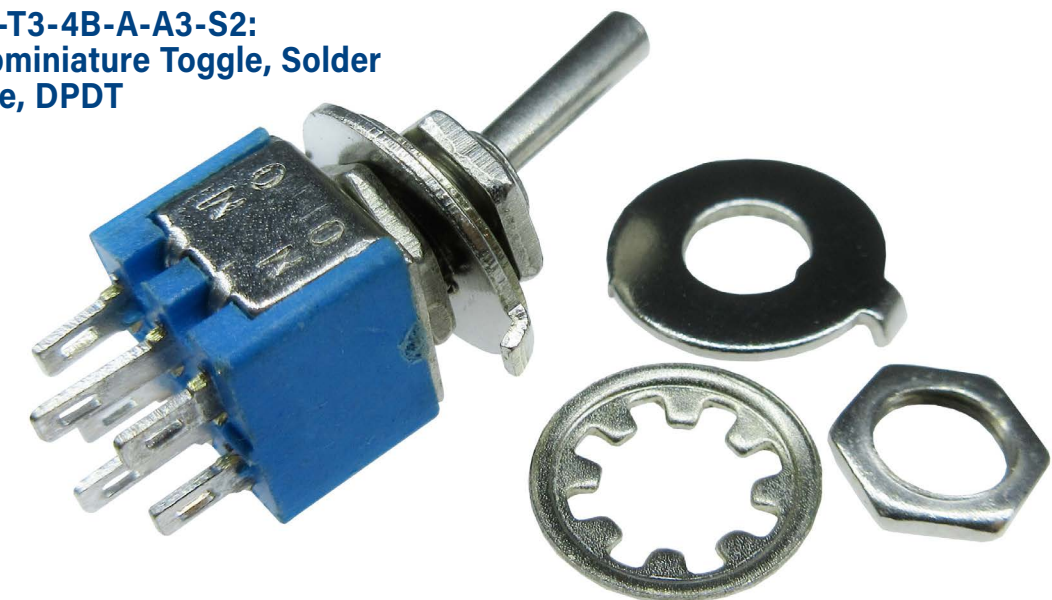


**SW-T2-4B-A-T1-X-03:**  
IP67 Sealed Miniature  
Toggle, Solder Type,  
DPDT

**SW-T2-4E-B-A2-MA2:**  
Miniature Toggle, PCB Vertical  
Type, DPDT



**SW-T3-4B-A-A3-S2:**  
Subminiature Toggle, Solder  
Type, DPDT



Adam Tech Rocker Switches are an ideal solution for turning electrical devices on and off. This product line is composed of miniature, subminiature, and medium sized rocker switches. Each is equipped with a standard or LED lighted actuator, which are available in a variety of color, shape, and marking options. Specialized IP67 sealed waterproof rocker switches are also available.

### FEATURES & SPECIFICATIONS

#### FEATURES

- Variety of Rocker Switch types
- Sealed waterproof IP67
- Termination options: solder type, PCB type, and quick connect terminal
- Circuits: SPST, SPDT, DPST, and DPDT
- Functions: ON-ON, ON-OFF, OFF-(ON), ON-OFF-ON, and (ON)-OFF-ON
- Rocker shapes: round and rectangular (curved and standard V)
- Standard and custom actuator markings
- LED lighted actuators w/ color options

#### PACKAGING:

Bag or box

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. WOYR2.E520713

#### SPECIFICATIONS:

##### Material:

Body: PA66  
Button: PA66

##### Contact Plating:

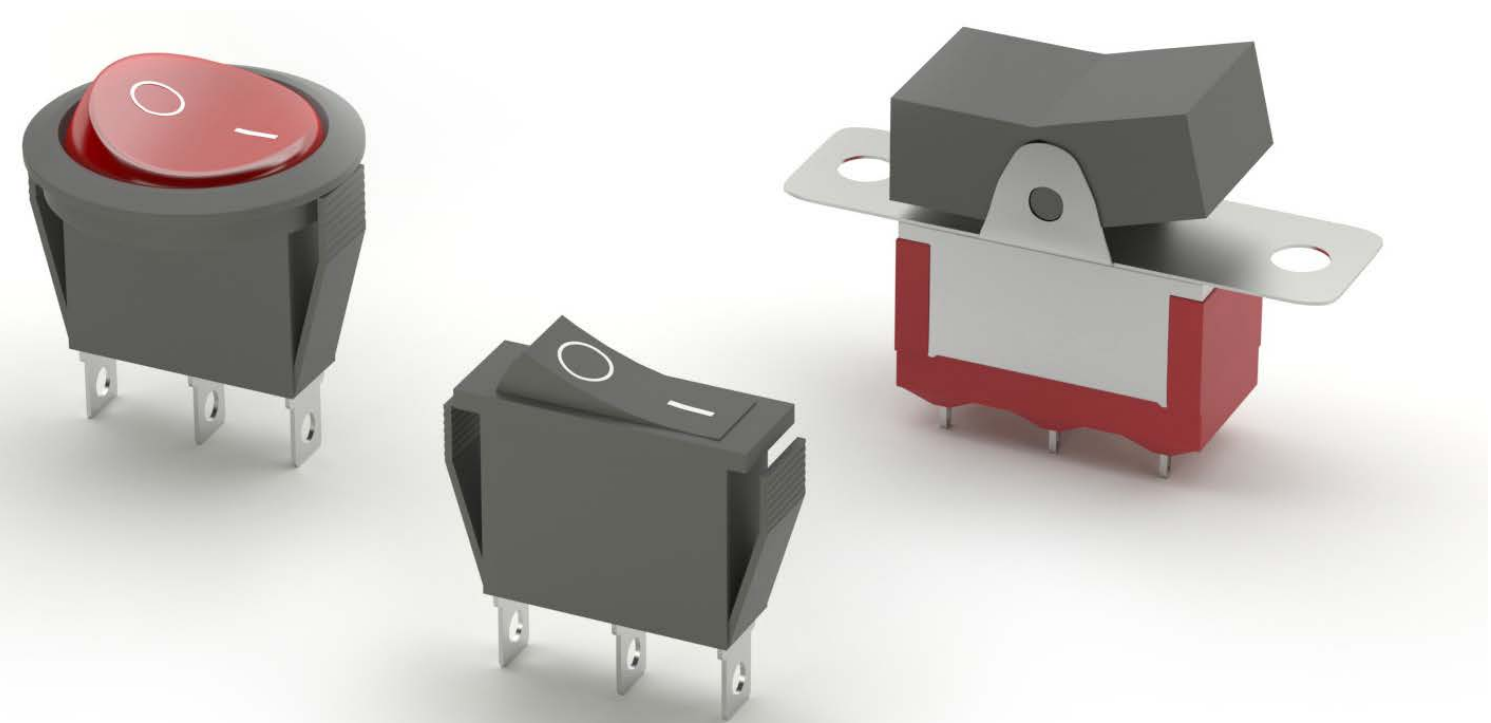
Terminal: Brass, silver plated; or copper alloy, silver or gold (over nickel) plated

##### Electrical:

Operating Voltage Range: 20 to 250 V AC  
Current Rating Range: 0.4 to 20 Amps  
Contact Resistance Range: 10 to 100 mΩ Max.  
Insulation Resistance Range: 100 to 1000 MΩ Min.  
Dielectric Withstanding Voltage: 1500V AC for 1 Minute

##### TEMPERATURE RATING:

Operating Temperature Range: -30°C to +85°C



### PART NUMBER CONFIGURATION

SW	R	1	A	A	LR	1	1
SERIES	TYPE	CONTACT FORM	SWITCH FUNCTION	TERMINAL OPTION	ACTUATOR COLOR	ACTUATOR MARKING	VERSION/STYLE
<b>SW</b> = Switch	<b>R</b> = Rocker <b>R1</b> = Medium Rocker <b>R2</b> = Miniature Rocker <b>R3</b> = Subminiature Rocker	<b>1</b> = SPST <b>2</b> = SPDT <b>3</b> = DPST <b>4</b> = DPDT <b>5</b> = 3PST <b>6</b> = 3PDT	<b>A</b> = ON-OFF <b>B</b> = ON-ON <b>C</b> = OFF-(ON) <b>D</b> = ON-(ON) <b>E</b> = ON-OFF-ON <b>F</b> = ON-OFF-(ON) <b>G</b> = (ON)-OFF-(ON) <b>H</b> = (ON)-OFF-ON <b>J</b> = (ON)-OFF <b>K</b> = (ON)-ON	<b>A</b> = Solder <b>B</b> = PCB Vertical <b>C</b> = PCB R/A <b>D</b> = Screw Lug <b>E</b> = QC .250" [6.35mm] <b>F</b> = QC .187" [4.80mm]	<b>Blank</b> = Standard Black <b>SB</b> = Small Black <b>W</b> = White <b>R</b> = Red <b>G</b> = Green <b>Y</b> = Yellow <b>B</b> = Blue <b>O</b> = Orange <b>LW</b> = Lighted White <b>LR</b> = Lighted Red <b>LG</b> = Lighted Green <b>LY</b> = Lighted Yellow <b>LB</b> = Lighted Blue <b>LO</b> = Lighted Orange	1 = 2 = 3 = 4 = 5 = 6 =	See Datasheets

**BODY COLOR STANDARD BLACK**

PART NUMBER	ROCKER SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	SHAPE	LED LIGHTED ACTUATOR	PRODUCT DATA
SW-R1-1A-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R1-1X-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	SPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R1-3A-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R1-3A-E-LXXX-2	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R1-3A-E-LXXX-2A	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R1-3A-E-XX-2A	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R1-3X-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R1-3X-E-XX-2	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPST	ON-OFF or OFF-(ON)	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R1-4E-E-LXXX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPDT	ON-OFF-ON	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R1-4E-E-XX-0	Medium Rocker	Quick Connect Terminal .250in [6.35mm]	DPDT	ON-OFF-ON	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-1A-F-LXXX-2	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R2-1A-F-LXXX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	Yes	<a href="#">View</a>
SW-R2-1A-F-LXXX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	Yes	<a href="#">View</a>
SW-R2-1A-F-XX-0	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-1A-F-XX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	<a href="#">View</a>
SW-R2-1A-F-XX-5W	Waterproof Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	<a href="#">View</a>
SW-R2-1A-F-XX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPST	ON-OFF	Round	No	<a href="#">View</a>
SW-R2-2B-A-5-10	Miniature Rocker	Solder Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R2-2B-A-5-11	IP67 Sealed Miniature Rocker	Solder Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R2-2B-B-5-10	Miniature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R2-2B-F-XX-0	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-ON	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-2E-F-XX-5	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON	Round	No	<a href="#">View</a>
SW-R2-2E-F-XX-8	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON	Round	No	<a href="#">View</a>
SW-R2-2X-F-XX-2	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	SPDT	ON-OFF-ON or (ON)-OFF-ON	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-3A-F-LXXX-4	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R2-3A-F-LXXX-6	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	Yes	<a href="#">View</a>
SW-R2-3A-F-X1-4	Miniature Rocker	Solder Type	DPST	ON-OFF	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-3A-F-XX-6	Miniature Rocker	Quick Connect Terminal .187in [4.75mm]	DPST	ON-OFF	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R2-4B-A-5-11	IP67 Sealed Miniature Rocker	Solder Type	DPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R2-4X-S-XX-1	Miniature Rocker	Solder Terminal	DPDT	ON-ON or ON-OFF-ON	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R3-1A-A-LXXX-2	Subminiature Rocker	Solder Type	SPST	ON-OFF	Round	Yes	<a href="#">View</a>
SW-R3-1A-A-XX-0	Subminiature Rocker	Solder Type	SPST	ON-OFF	Rectangular - Concave (Curved)	No	<a href="#">View</a>
SW-R3-1A-A-XX-2	Subminiature Rocker	Solder Type	SPST	ON-OFF	Round	No	<a href="#">View</a>
SW-R3-2B-B-5-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-B-5-G-14	IP67 Sealed Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-B-SB5-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-B-SB5-G-13	Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-B-SB5-G-14	IP67 Sealed Subminiature Rocker	PCB Vertical Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-C-5-13	Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-C-5-G-14	IP67 Sealed Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-C-SB5-G-13	Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>
SW-R3-2B-C-SB5-G-14	IP67 Sealed Subminiature Rocker	PCB Right Angle Type	SPDT	ON-ON	Rectangular - Concave (Standard V)	No	<a href="#">View</a>

Adam Tech Keylock Switches utilize a lock and key to provide applications with additional security. This product line is composed of panel mount and solder terminal switches, available in various panel cutout dimensions, circuits, and functions. Key pull options include single position and multiple positions, utilizing both standard and tubular keys.

### FEATURES & SPECIFICATIONS

#### FEATURES

Panel mount, solder terminal keylock switches  
 Panel cutout dimensions: 19mm, 16mm, 15mm, 14.5mm, and 12mm  
 Circuits: SP, DP, and SPDT  
 Functions: ON-ON, ON-OFF, and OFF-ON-ON  
 Single key pull and multiple key pull options

#### PACKAGING:

Bag

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. WOYR2.E520713

#### SPECIFICATIONS:

##### Material:

Body: Steel, polished chrome

##### Electrical:

Operating Voltage Range: 125 to 250 V AC  
 Current Rating Range: 0.5 to 4 Amps  
 Contact Resistance Range: 20 to 100 mΩ Max.  
 Insulation Resistance Range: 100 to 1000 MΩ Min.  
 Dielectric Withstanding Voltage Range: 500 to 1500V AC for 1 Minute

##### TEMPERATURE RATING:

Operating Temperature Range: -25°C to +85°C



### PART NUMBER CONFIGURATION

SW	-	R	-	K	-	A
SERIES		TYPE		KEY PULL		
<b>SW</b> = Switch		<b>K1</b> = 15MM, SPST, ON-OFF <b>K4</b> = 12MM, SPST, ON-OFF <b>K5</b> = 14.5MM, SPST, ON-OFF <b>K7A</b> = 16MM, SPST, ON-OFF <b>K7B</b> = 16MM, SPST, OFF-ON-ON <b>K8</b> = 16MM, SPDT, ON-ON <b>K9</b> = 16MM, SPDT, ON-ON <b>K10</b> = 19MM, SPST, ON-OFF <b>K11B</b> = 19MM, SPDT, ON-ON <b>K13A</b> = 19MM, SPST, ON-ON <b>K13B</b> = 19MM, SPDT, ON-ON		<b>A</b> = Key pulled on both positions <b>B</b> = Key pulled on one position		

PART NUMBER	PANEL CUTOUT DIMENSION	MOUNTING TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	PRODUCT DATA
<a href="#">SW-R-K1-X</a>	15mm	Panel Mount	Solder Terminal	SP	ON-OFF	<a href="#">View</a>
<a href="#">SW-R-K10-X</a>	19mm	Panel Mount	Solder Terminal	SP	ON-OFF	<a href="#">View</a>
<a href="#">SW-R-K11B-X</a>	19mm	Panel Mount	Solder Terminal	SPDT	ON-ON	<a href="#">View</a>
<a href="#">SW-R-K13X-X</a>	19mm	Panel Mount	Solder Terminal	SP or DP	ON-ON	<a href="#">View</a>
<a href="#">SW-R-K4-X</a>	12mm	Panel Mount	Solder Terminal	SP	ON-OFF	<a href="#">View</a>
<a href="#">SW-R-K5-X</a>	14.5mm	Panel Mount	Solder Terminal	SP	ON-OFF	<a href="#">View</a>
<a href="#">SW-R-K7X-X</a>	16mm	Panel Mount	Solder Terminal	SP	ON-OFF or OFF-ON-ON	<a href="#">View</a>
<a href="#">SW-R-K8-X</a>	16mm	Panel Mount	Solder Terminal	SPDT	ON-ON	<a href="#">View</a>
<a href="#">SW-R-K9-X</a>	16mm	Panel Mount	Solder Terminal	SPDT	ON-ON	<a href="#">View</a>

Adam Tech Pushbutton switches are tactile switches ideal for use in industrial control panels to operate circuits within a device. This vast line of metal and plastic pushbutton switches is available in standard, miniature, and subminiature sizes. Operationally, the line includes snap-acting, alternate acting, low profile, and illuminated pushbutton switches. Specialty switches including anti-vandal, industrial, high current, high performance, and sealed IP67/IP68 waterproof are also available.

### FEATURES & SPECIFICATIONS

#### FEATURES

Variety of Pushbutton Switch types  
 IP68 and IP67 sealed waterproof  
 IP68 high performance  
 High current  
 Anti-vandal  
 Termination styles: solder type, PCB type, screw lug, and surface mount  
 Circuits: SPST, SPDT, and DPDT  
 Functions: ON-ON, ON-OFF, OFF-ON, Momentary, Latching, ON-Momentary, OFF-Momentary, NO-NC Momentary, 1NO-1NC (Momentary or Latching), ON-OFF Latching, OFF-ON Momentary, and ON-ON Latching  
 Actuator types: round button, round plunger, and square button  
 LED lighted actuators w/ color options

#### PACKAGING:

Bag, box, or tray

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. WOYR2.E520713

#### SPECIFICATIONS:

##### Material:

Body: ABS, PA66, PC, or PBT  
 Button: Stainless steel, ABS, PC, or POM  
 Spring: Spring steel wire

##### Contact Plating:

Terminal: Brass or copper alloy, silver plated

##### Electrical:

Operating Voltage Range: 32 to 250 V AC  
 Current Rating Range: 0.4 to 16 Amps  
 Contact Resistance Range: 10 to 50 mΩ Max.  
 Insulation Resistance Range: 100 to 1000 MΩ Min.  
 Dielectric Withstanding Voltage Range: 1000 to 2000V AC for 1 Minute

##### TEMPERATURE RATING:

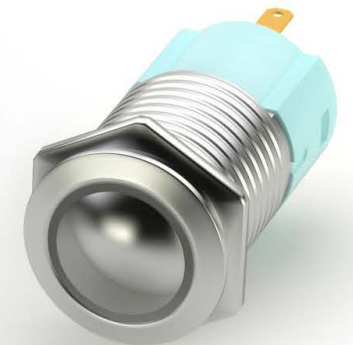
Operating Temperature Range: -30°C to +85°C



**SW-PB7-01LB42BFRXXXXM:**  
 Anti-Vandal Push Button, SPST,  
 OFF-Momentary, Lighted



**SW-PB11-1CSX-10A:**  
 IP67 Push Button, SPST,  
 OFF-Momentary



**SW-PB2-2EX-A-RX-3-L1:**  
 IP67 Push Button, Latching,  
 SPST, OFF-Momentary



**SW-PB7-01PB4EBRXXM:**  
 Anti-Vandal Push Button, IP Rated,  
 SPST, OFF-Momentary



**SW-PB7-07LB42CRRXXXXX:**  
 Anti-Vandal Push Button, IP Rated,  
 LED Lighted Actuator, SPST, OFF-ON



**SW-PB7-06LB22FFRXXXXX:**  
 High Current Vandal Push Button, LED  
 Lighted Actuator, SPDT, ON-ON Latching



**SW-PB7-03LB22CFPXXXXX:**  
 Ant-Vandal Push Button, IP Rated, LED  
 Lighted Actuator, SPDT, NO-NC

### PART NUMBER CONFIGURATION

SW	PB1	1	A	S	A	RW	Y	B1	Q	1	1
SERIES	TYPE	CONTACT FORM	SWITCH FUNCTION	FUNCTION	TERMINAL OPTION	LED TYPE / COLOR	SHAPE (PLUNGER OR ACTUATOR)	BUSHING	CONTACT MATERIAL	LED VOLTAGE	VERSION / STYLE
<b>SW</b> = Switch	<b>PB1</b> = Plastic Pushbutton <b>PB2</b> = Plastic Waterproof <b>PB5</b> = Industrial Switch <b>PB7</b> = Ant-Vandal Switch <b>PB8</b> = Snap Acting Switch <b>PB9</b> = Subminiature <b>PB10</b> = High Performance Sealed <b>PB11</b> = IP67 Front Panel Protection Illuminated	<b>1</b> = SPST <b>2</b> = SPDT <b>3</b> = DPST <b>4</b> = DPDT <b>5</b> = 3PST <b>6</b> = 3PDT <b>7</b> = SP3T	<b>A</b> = OFF-ON <b>B</b> = OFF-MOM <b>C</b> = ON-MOM <b>D</b> = ON-OFF <b>E</b> = 1NO-1NC <b>F</b> = 1NC <b>G</b> = 2NO-2NC <b>H</b> = 2NC <b>J</b> = ON-ON <b>K</b> = ON-(ON)	<b>S</b> = Momentary <b>Z</b> = Latching	<b>A</b> = Solder <b>B</b> = PCB Vertical <b>C</b> = PCB R/A <b>D</b> = Screw Lug <b>E</b> = QC .250" [6.35mm] <b>F</b> = QC .187" [4.80mm]	1st Letter is LED Type <b>R</b> = Ring Illuminated <b>L</b> = Laser Power Logo <b>LR</b> = Laser Power Logo + Ring <b>LS</b> = Lens Illuminated <b>C</b> = Custom Laser Symbol <b>F</b> = Full Illuminated  2nd Letter is LED Color <b>Blank</b> = Standard Black <b>SB</b> = Small Black <b>W</b> = White <b>R</b> = Red <b>G</b> = Green <b>Y</b> = Yellow <b>B</b> = Blue <b>O</b> = Orange <b>S</b> = Silver <b>RG</b> = Red/Green <b>RY</b> = Red/Yellow <b>RB</b> = Red/Blue <b>RW</b> = Red/White <b>GB</b> = Green/Blue <b>RGB</b> = Red/Green/Blue <b>RGY</b> = Red/Green/Yellow <b>RGW</b> = Red/Green/White <b>RBW</b> = Red/Blue/White	<b>Y</b> = Round <b>F</b> = Square <b>J</b> = Rectangle <b>R</b> = Emergency <b>M</b> = Mushroom <b>X</b> = Rotary Type <b>K</b> = Key Type <b>H</b> = Hexagonal	See datasheets	<b>Q</b> = Silver <b>P</b> = Silver (Tin Plated Terminals) <b>R</b> = Gold <b>K</b> = Gold (Tin Plate Terminals) <b>G</b> = Silver (Gold Plated Terminals)	<b>1</b> = 3V <b>2</b> = 6V <b>3</b> = 12V <b>4</b> = 24V <b>5</b> = 48V <b>6</b> = 110V <b>7</b> = 220V	See datasheets

PART NUMBER	PUSHBUTTON SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	ACTUATOR TYPE	LED LIGHTED ACTUATOR	CAP	PRODUCT DATA
<a href="#">SW-PB1-1BS-A-PK1-X</a>	Plastic Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB1-1XX-A-P1-X</a>	Plastic Pushbutton	Solder Type	SPST	ON-OFF Latching or OFF-ON Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB10-AAAIQE-4</a>	IP68 High Performance Sealed Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB10-AAA2QE-4</a>	IP68 High Performance Sealed Pushbutton	PCB Tails	SPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB10-BAAIQE-4</a>	IP68 High Performance Sealed Pushbutton	Solder Type	DPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB10-BAA2QE-4</a>	IP68 High Performance Sealed Pushbutton	PCB Tails	DPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB10-CBB2QE-4</a>	IP68 High Performance Sealed Pushbutton	PCB Tails	SPDT	ON-Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB10-DBB2QE-4</a>	IP68 High Performance Sealed Pushbutton	PCB Tails	DPDT	ON-Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB11-1CSX-10</a>	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-Momentary	Round Button		Yes	<a href="#">View</a>
<a href="#">SW-PB11-2CSXX-10</a>	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-Momentary	Round Button	Yes	Yes	<a href="#">View</a>
<a href="#">SW-PB11-4CSXX-10</a>	IP67 Sealed Anti-Vandal Pushbutton	Solder Type	SPST	OFF-ON	Round Button	Yes	Yes	<a href="#">View</a>
<a href="#">SW-PB2-2EX-A-L1</a>	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button			<a href="#">View</a>
<a href="#">SW-PB2-2EX-A-L1A</a>	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button			<a href="#">View</a>
<a href="#">SW-PB2-2EX-A-RX-X-L1</a>	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB2-2EX-A-RX-X-L1A</a>	Plastic Waterproof Pushbutton	Solder Type	SPDT	1NO-1NC (Momentary or Latching)	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB5-AA2BXIX-IP40-8</a>	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB5-AA3BXIX-IP40-8</a>	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB5-AB3BXIX-IP40-8</a>	IP40 Industrial Pushbutton	Solder Type	SPDT	NO-NC Momentary	Square Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-01B32BFM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-01B32BRM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-01LB42BFRXXXXM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-01PB4EBRXM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-03LB22CFPXXXXX</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-03LB22CFRXXXXX</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-03LB32DFRXXXXX</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-03LB5CFRXXXXX</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPDT	NO-NC	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-04B42AR</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Latching	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-04B4WAR</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Latching	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-04MB42ARM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-04MB4WARM</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-05B22FR</a>	Anti-Vandal Pushbutton (IP65 or IP67)	.187" QC	SPST	Momentary or Latching	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-06B22FF</a>	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-06LB22FFPXXXXX</a>	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-06LB22FFRXXXXX</a>	High Current Anti-Vandal Pushbutton (Right Angle)	.187" QC	SPDT	ON-ON Latching	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-07LB42CRRXXXXX</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	OFF-ON	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-1S-D-GI</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Screw Lug	SPST	Momentary	Round Button			<a href="#">View</a>
<a href="#">SW-PB7-1X-A-LRX-H-X-G2A</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary or Latching	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-1X-A-RX-H-X-G2A</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	Momentary or Latching	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB7-1Z-A-RX-H-X-G2</a>	Anti-Vandal Pushbutton (IP65 or IP67)	Solder Type	SPST	ON-OFF	Round Button	Yes		<a href="#">View</a>
<a href="#">SW-PB8-AA00A1GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA00A1QE-3</a>	Alternate Acting Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA00A2GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA00A2QE-3</a>	Alternate Acting Pushbutton	PCB Type	SPDT	ON-ON	Round Plunger			<a href="#">View</a>



PART NUMBER	PUSHBUTTON SWITCH TYPE	TERMINATION STYLE	CIRCUIT	FUNCTION	ACTUATOR TYPE	LED LIGHTED ACTUATOR	CAP	PRODUCT DATA
<a href="#">SW-PB8-AA00B1GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA00B1GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA00B2GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA12B1GE-2</a>	IP68 Sealed Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AA22A1QE-3</a>	Alternate Acting Pushbutton	Solder Type	SPDT	ON-ON	Round Plunger		Yes	<a href="#">View</a>
<a href="#">SW-PB8-AA22A2QE-3</a>	Alternate Acting Pushbutton	PCB Type	SPDT	ON-ON	Round Plunger		Yes	<a href="#">View</a>
<a href="#">SW-PB8-AB00A1QE-1</a>	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AB00A2QE-1</a>	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AB00B10QE-1</a>	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AB00B6QE-1</a>	Snap-Acting Pushbutton	PCB Type (Right Angle)	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-AB12A1QE-1</a>	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger		Yes	<a href="#">View</a>
<a href="#">SW-PB8-AE221QE-1</a>	Snap-Acting Pushbutton	Solder Type	SPDT	ON-Momentary	Square Button			<a href="#">View</a>
<a href="#">SW-PB8-AE222QE-1</a>	Snap-Acting Pushbutton	PCB Type	SPDT	ON-Momentary	Square Button			<a href="#">View</a>
<a href="#">SW-PB8-BA00A1QE-3</a>	Alternate Acting Pushbutton	Solder Type	DPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BA00A2QE-3</a>	Alternate Acting Pushbutton	PCB Type	DPDT	ON-ON	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BA00B1GE-2D</a>	IP68 Sealed Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BA00B2GE-2D</a>	IP68 Sealed Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BB00A1QE-1</a>	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BB00A2QE-1</a>	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BB00B10QE-1</a>	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BB00B6QE-1</a>	Snap-Acting Pushbutton	PCB Type (Right Angle)	DPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB8-BB12A1QE-1</a>	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Round Plunger		Yes	<a href="#">View</a>
<a href="#">SW-PB8-BE221QE-1</a>	Snap-Acting Pushbutton	Solder Type	DPDT	ON-Momentary	Square Button			<a href="#">View</a>
<a href="#">SW-PB8-BE222QE-1</a>	Snap-Acting Pushbutton	PCB Type	DPDT	ON-Momentary	Square Button			<a href="#">View</a>
<a href="#">SW-PB9-AA00AQE-5</a>	Subminiature Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-AA00BQE-5</a>	Subminiature Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-AAB00A1RE-6</a>	IP67 Sealed Subminiature Pushbutton	PCB Tails	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-AAB00A2RE-6</a>	IP67 Sealed Subminiature Pushbutton	PCB Tails (Right Angle)	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-AB00AQE-5</a>	Subminiature Pushbutton	Solder Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-AB00BQE-5</a>	Subminiature Pushbutton	PCB Type	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-ABA1RE-7</a>	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-ABA2RE-7</a>	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPDT	ON-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BA00AQE-5</a>	Subminiature Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BA00BQE-5</a>	Subminiature Pushbutton	PCB Type	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BB00AQE-5</a>	Subminiature Pushbutton	Solder Type	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BB00BQE-5</a>	Subminiature Pushbutton	PCB Type	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BBA1RE-7</a>	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>
<a href="#">SW-PB9-BBA2RE-7</a>	IP67 Sealed Subminiature Pushbutton	Surface Mount (Right Angle)	SPST	OFF-Momentary	Round Plunger			<a href="#">View</a>

Adam Tech's EV Charger Cables provide a durable and efficient solution to electric vehicle charging. Both Type 1 and Type 2 plugs are available to meet multiple EV charging needs. Equipped with cable lengths of 3 and 5 meters, vehicles can be charged from a variety of distances. In addition, all Adam Tech EV chargers are TUV safety approved. Adam Tech is committed to providing reliable and cost-effective charging solutions to the growing electric vehicle industry.

## FEATURES & SPECIFICATIONS

### FEATURES

Charge electric vehicles  
 Cable length: 3m [9.84 ft.] and 5m [16.4 ft.]  
 Type 1 plug according to SAE J1772-2017 standard  
 Type 2 plug according to IEC62196-1 2014 and IEC62196-2 2017 standards  
 Glass reinforced thermoplastic insulator, UL 94V-0  
 Waterproof grade: IP54 or IP55  
 Current rating: 16A or 32A  
 Voltage rating: 120 VAC – 480 VAC  
 Operating temperature: -30°C to +50°C  
 High reliability design  
 TUV certified  
 RoHS compliant

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL and TUV

### SPECIFICATIONS:

#### Material:

Standard insulator: PC or PC+PA66  
 Insulator Color: Black or White  
 Contacts: Copper Alloy  
 Contact Plating: Silver

#### Electrical:

Operating Voltage: 120 VAC – 480 VAC  
 Current Rating: 16A or 32A  
 Contact Resistance: 0.5 mohms max.  
 Insulation Resistance: 1,000 Mohms min. @ 500VDC  
 Dielectric Withstanding Voltage: 2,000V AC

#### Mechanical:

Insertion force: Up to <100 N  
 Withdrawal force: Up to <100 N  
 Durability: 10,000 Cycles

#### Temperature Ratings:

Operating Temperature: -30°C to 50°C



### EV CONNECTOR PART NUMBER CONFIGURATION

EV -	PM	-	A	-	1P	-	16A	-	240V	-	XXX
SERIES	CONNECTOR STYLE, CONTACT TYPE		SAFETY AGENCY APPROVAL TYPE		PHASE TYPE		CURRENT TYPE		VOLTAGE TYPE		SERIAL NUMBER
<b>EV = EV CHARGER</b>	1st Characters for Connector Style <b>P</b> = Plug Connector <b>S</b> = Socket Connector  2nd Character for Contact Type <b>M</b> = Male Contact <b>F</b> = Female Contact		<b>A</b> = Type 1 (US) <b>B</b> = Type 2 (EU)		<b>1P</b> = 1 PHASE <b>3P</b> = 3 PHASE		<b>16A</b> = 16AMP <b>32A</b> = 32AMP <b>40A</b> = 40AMP <b>50A</b> = 50AMP <b>63A</b> = 63AMP		<b>240V</b> = 240VAC <b>415V</b> = 415VAC <b>250V</b> = 250VAC <b>480V</b> = 480VAC		<b>001</b> <b>002</b> <b>003</b> <b>004</b> ...

PART NUMBER	PLUG TYPE	AMP	PHASE	PRODUCT DATA
CA #EV01AT-002-XM	Type 1 Female	16A	1 Phase	<a href="#">View</a>
CA #EV01AT-003-XM	Type 1 Female	16A	1 Phase	<a href="#">View</a>
CA #EV01BT-002-XM	Type 1 Female	32A	1 Phase	<a href="#">View</a>
CA #EV02AT-003-XM	Type 2 Male	16A	1 Phase	<a href="#">View</a>
CA #EV02AT-004-XM	Type 2 Male	16A	3 Phase	<a href="#">View</a>
CA #EV02BT-003-XM	Type 2 Male	32A	1 Phase	<a href="#">View</a>
CA #EV02BT-004-XM	Type 2 Male	32A	3 Phase	<a href="#">View</a>
CA #EV03AT-003-XM	Type 2 Female	16A	1 Phase	<a href="#">View</a>
CA #EV03AT-004-XM	Type 2 Female	16A	3 Phase	<a href="#">View</a>
CA #EV03BT-003-XM	Type 2 Female	32A	1 Phase	<a href="#">View</a>
CA #EV03BT-004-XM	Type 2 Female	32A	3 Phase	<a href="#">View</a>

### EV CABLE PART NUMBER CONFIGURATION

CA #EV -	01	-	A	-	U	-	XXX	-	1M
SERIES	CONNECTOR STYLE, CONTACT TYPE		CABLE TYPE		SAFETY AGENCY APPROVAL TYPE		SERIAL NUMBER		CABLE LENGTH
<b>CA #EV = Cable Assembly EV Charger</b>	<b>01</b> = Type 1 Female Plug <b>02</b> = Type 2 Male Plug <b>03</b> = Type 2 Female Plug <b>04</b> = Type 1 Female Plug-Type 2 Male Plug <b>05</b> = Type 2 Male Plug-Type 2 Female Plug <b>06</b> = Type 1 Male Socket <b>07</b> = Type 2 Female Socket <b>08</b> = Type 2 Male Socket		<b>A</b> = 2.5mm <sup>2</sup> <b>B</b> = 6 mm <sup>2</sup> <b>C</b> = 10 mm <sup>2</sup> <b>D</b> = 16 mm <sup>2</sup> <b>E</b> = 13.3 mm <sup>2</sup> <b>F</b> = 50 mm <sup>2</sup> <b>G</b> = 35 mm <sup>2</sup> <b>H</b> = 70 mm <sup>2</sup> <b>J</b> = 1.0mm <sup>2</sup>		<b>U</b> = UL <b>T</b> = TUV <b>X</b> = N/A <b>C</b> = CE		<b>001</b> <b>002</b> <b>003</b> <b>004</b> ...		<b>1M</b> = 1000mm <b>5M</b> = 5000mm <b>1.5M</b> = 1500mm

### OPTIONS

Add designator(s) to end of part number

**HLR** = HOLDER

Adam Tech's Fiber Optic Adapters properly align the individual fibers of two patch cables during the mating process, ensuring reliable connections in optical communication systems. These adapters enable multiple devices to communicate simultaneously. Adam Tech's broad offering includes APC, FC, LC, MPO, PC, and SC adapters. Simplex, duplex, 4-plex, and 8-plex adapters are available to connect various quantities of fibers.

## FEATURES & SPECIFICATIONS

### FEATURES:

APC, FC, LC, MPO, PC, and SC  
Simplex, duplex, 4-plex, and 8-plex  
Long-ears and short-ears  
Panel mount option  
UL 94V-0 rated housings  
Various colors  
Dust caps

### Electrical:

Standards of IEC, EIA/TIA, Telcordia; or IEC 61754-20, YD/T 1272.1-2003  
Repeatability: 500 cycles min  
Insertion loss range: 0.2 to 0.3dB max  
Interchangeability range: 0.2 to 0.3dB max

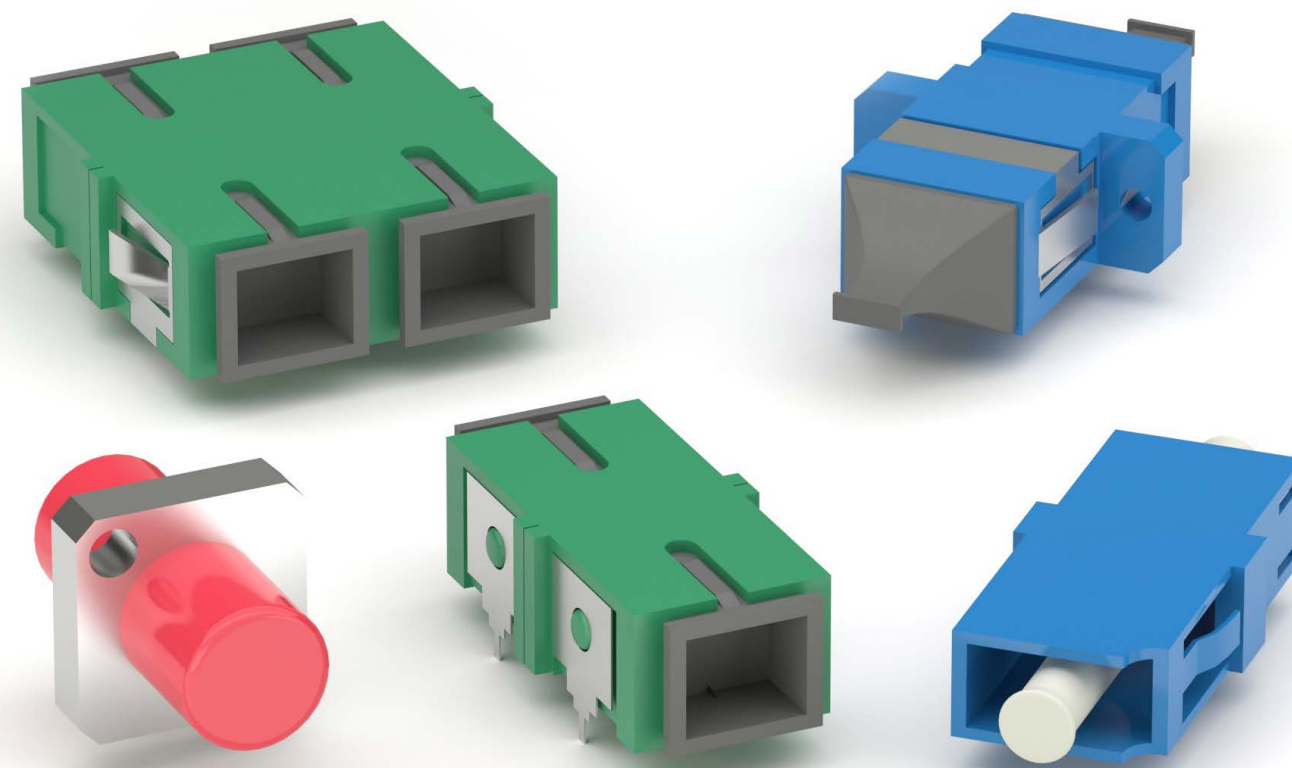
### TEMPERATURE RATING:

Operating temperature range: -40°C to +85°C

### SPECIFICATIONS:

#### Material:

Housing: PBT or PEI, rated UL 94-V 0  
Cap: PBT or PP, rated UL 94-V 0  
Sleeve: Zirconia Ceramic



PART NUMBER	ADAPTER TYPE	VERSION	PRODUCT DATA
CA #OPLN2PNNC1NSR	LC Adapter Plug Cable Assembly	Duplex	<a href="#">View</a>
CA #OPSN1PNNC1NSR-C1	SC Adapter Plug Cable Assembly	Simplex	<a href="#">View</a>
OPFN1ANNC1XNB	FC Square Adapter	Simplex	<a href="#">View</a>
OPLB4SBNNC1NA	LC/PC Adapter	4-Plex	<a href="#">View</a>
OPLB8SBNNC1NA	LC/PC Adapter	8-Plex	<a href="#">View</a>
OPLX1BNNC1NA	LC/PC Adapter	Simplex	<a href="#">View</a>
OPLX2ANNC1XA	LC Adapter	Duplex	<a href="#">View</a>
OPLX2BNNC1XA	LC Adapter	Duplex	<a href="#">View</a>
OPLX4ANNC1XA	LC/PC Adapter	4-Plex	<a href="#">View</a>
OPMX1ANNC1XC	MPO Adapter	Simplex	<a href="#">View</a>
OPMX1BNNC1XC	MPO Adapter	Simplex	<a href="#">View</a>
OPSB1ANNC1N1T3	SC/PC Adapter	Simplex	<a href="#">View</a>
OPSLN1ANNC1P2A	SC/LC Adapter	Simplex	<a href="#">View</a>
OPSX1ANNC1X1	SC/PC Adapter	Simplex	<a href="#">View</a>
OPSX1ANNC2X2	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1ASNC1X1	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1ASNC1X4	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1BNSPC1N1	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1BNSC1NX	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1BSNC1X1	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX1DNNC1NX	SC/APC Adapter	Simplex	<a href="#">View</a>
OPSX2ANNC1XX	SC/PC Adapter	Duplex	<a href="#">View</a>
OPSX2BNNC1X1	SC/APC Adapter	Duplex	<a href="#">View</a>

## PART NUMBER CONFIGURATION

OPS	A	1	A	S	S	C1	P
SERIES	COLOR DEFINITION & MEANING	NO OF PORTS	TYPE	FORMING TYPE	PIN TYPE	SERIAL NUMBER	FORMING TYPE
<b>OPS</b> = Optical SC Adapters <b>OPL</b> = Optical LC Adapters <b>OPF</b> = Optical FC Adapters <b>OPM</b> = Optical MPO Adapters	<b>A</b> = Green -APC <b>B</b> = Blue -PC / UPC <b>C</b> = Beige-MM <b>D</b> = Water blue- MO3 <b>E</b> = Pink- OM4 <b>F</b> = Red- OM5 <b>G</b> = Black	<b>1, 2,.....</b> <b>4S (SQ)...</b>	<b>P</b> = PLUG <b>A</b> = long-eared <b>B</b> = Short ears <b>C</b> = No ears <b>D</b> = Buckles type diameter 3.00 <b>E</b> = Buckles type diameter 4.40  FC SERIES <b>A</b> = square With positioning hole adapters <b>B</b> = rectangle with positioning hole adapters <b>C</b> = square no positioning hole adapters	<b>S</b> = Solid Block <b>N</b> = Not Solid Block	<b>S</b> = soldering Pin <b>P</b> = Press Fit Pin <b>N</b> = No Pin	<b>C1</b> <b>C2</b> <b>C3</b> . . .	<b>P</b> = Panel Ground Tabs <b>N</b> = Not Panel Ground Tabs

### OPTIONS

Add designator(s) to end of part number

- 1** = SC Two type dust cap
- 2** = SC Cucurbit type dust cap
- 3** = SC Cucurbit type dust cap--No positioning bar
- 4** = SC small handle dust cap
- 5** = SC long handle dust cap
- 6** = SC twin-core dust cap
- 7** = SC Cucurbit type dust cap--soft
- 8** = SC Cucurbit type dust cap--green
- 9** = SC Cucurbit type dust cap--blue
- A** = LC dust cap
- B** = FC dust cap
- C** = MPO dust cap



CA\_OPLN2PNNC1NSR



OPLB8SBNNC1NA



OPSX1ANNC2X2



OPSB1ANNC1N1T3



OPSX2ANNC1XX

Adam Tech FAKRA Connectors are SMB based automotive-grade connectors that can operate up to 6 GHz. These connectors are embedded within a special color-code plastic housing that contain a locking feature with an audible clicking noise which confirms the connection. We offer our FAKRA series in Standard, High Speed Data and Mini styles. Each style comes with a range of configurability options to choose the appropriate keying for your application.

## FEATURES & SPECIFICATIONS

### FEATURES

#### MATING CONNECTORS:

#### PACKAGING:

Anti-ESD plastic trays or tubes

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PA66 + 30% Glass Filled or PTFE

Insulator Color: Varies depending on choice of key

Contacts: Brass

Body: Brass

Contact Plating: Gold over nickel

##### Electrical:

Frequency Range: DC~4 Ghz

Nominal Impedance: 50 ohms

Withstanding Voltage: 335 V

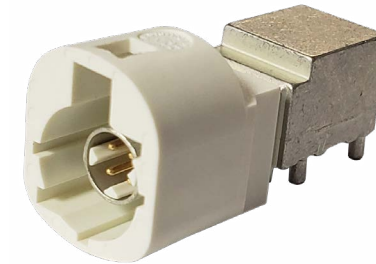
Insulator Resistance: 1000 mohms

Contact Resistance: 6 mohms max (Center contact)

1 mohms max (Outer contact)

##### Temperature Ratings:

Operating Temperature: -40C to +85C



High Speed Data FAKRA, B Code, Plug, PCB Right Angle



Mini FAKRA, Z Code, Plug, PCB Right Angle



FAKRA, E Code, SMB, Vertical Board Mount

## PART NUMBER CONFIGURATION

RF - 55 - 01X - D - 01 - 50 - G						
SERIES	STYLE	TYPE	INSULATOR MATERIAL	CABLE TYPE OR APPLICATION	IMPEDENCE	OPTIONS
RF = RF Connector	55 = FAKRA	01 thru 80 CODE A, B, C, D, E, F, G, H, I, K, L, M, N, Z (refer to color-code chart on page 21)	T = Teflon, PTFE T = TPEE D = Delrin, POE, POM P = Polypropylene, PP L = LCP A = ABS Y = NYLON	00 = PCB Mount 01 = 55U/58/58A/58C/140U/141/141A/142U/223U/303 02 = 174U/188A/316U/RTK031 03 = 179U/187U 04 = 59/59A/59B/62/62AU/62B/62C/210 05 = RG 6/U 06 = RG 213/U 07 = .141-Semi-Rigid 08 = .085/.086-Semi-Rigid/RG113 (COAX) 09 = 1.13mm or 1.32 mm 12 = 213 17 = 夹板式 18 = 734A 21 = 178/178U/1.37mm/1.48mm 25 = LMR400/RG405 26 = RG 11/U AS = Adapter or Splitter	50 = 50 Ohms 75 = 75 Ohms	Add designator(s) to end of part number G = Gold plated body and contact T/R = Tape and reel packaging M = Metal Body HDW = Hardware

## CASE STUDY



FAKRA Connectors are utilized throughout automotive vehicles. These connectors and cables transmit data for applications such as GPS navigation, Bluetooth, keyless entry, and climate control.

Adam Tech FAKRA Connectors (Fachkreis Automobil, a German standard) are SMB based automotive-grade connectors that can operate up to 6 GHz. These connectors are embedded within a special color-code plastic housing that contain a locking feature with an audible clicking noise which confirms the connection.

## FEATURES & SPECIFICATIONS

### FEATURES:

- SMA and SMB
- Jacks and plugs
- Color codes: A through N, and Z
- 4 GHz frequency
- Contact and shield termination: crimp or solder
- Mounting type: free-hanging, panel mount, or through-hole
- Vertical, right angle, or cable mount
- Fastening type: latch lock or locking ramp
- Bulkhead nut mounting feature
- IP67 waterproof connectors
- Coaxial cable options such as RG-174 and RG-316

### SPECIFICATIONS:

#### Material:

- Shell: PA66
- Insulator: PTFE
- Body: Brass, nickel or gold plated
- Pin: Phosphor bronze, brass, or beryllium copper

### Contact Plating:

Pin: Gold plated

### Electrical:

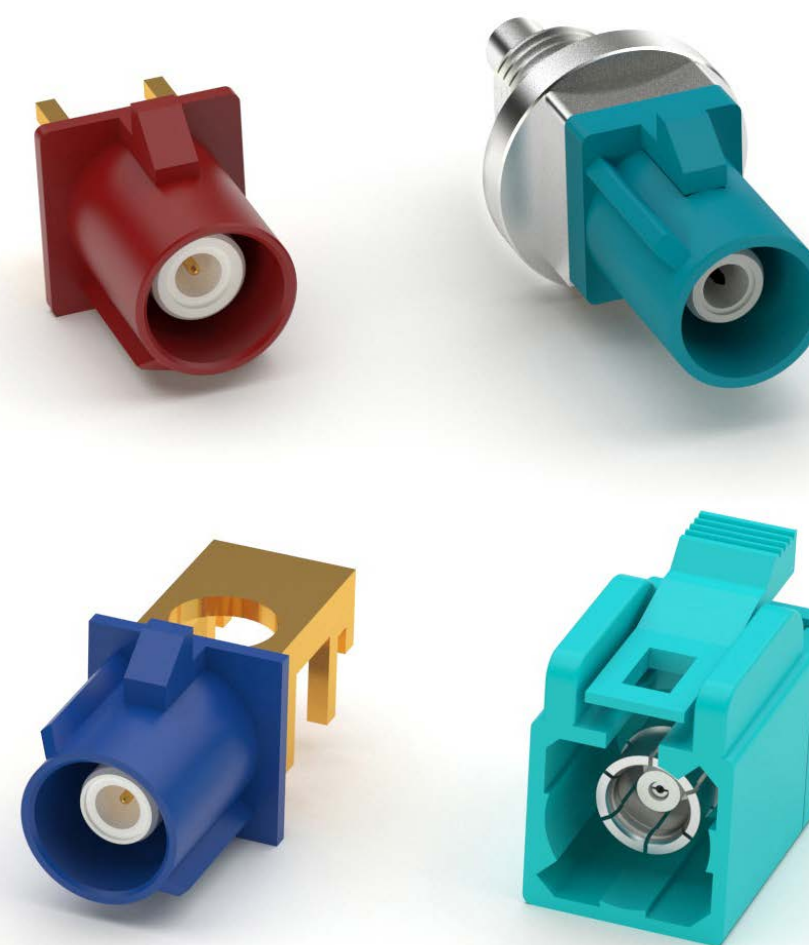
- DC~4 GHz
- Nominal impedance: 50 ohms
- Withstanding voltage: 335 V
- Insulator resistance: 1000 MΩ
- Contact resistance: 6 mΩ center contact and 1 mΩ outer contact

### TEMPERATURE RATING:

Operating temperature range: -40°C to +85°C

### APPROVALS AND CERTIFICATIONS:

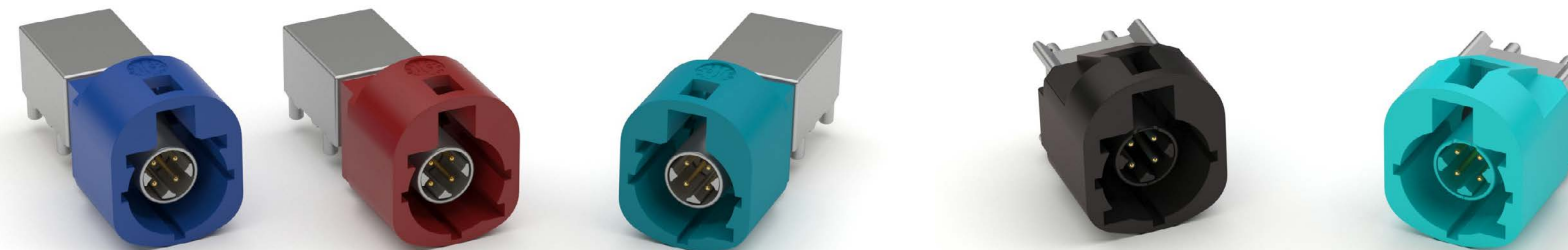
UL Recognized File no. E224053



PART NUMBER	TYPE	WATERPROOF	PRODUCT DATA
RF55-23X-T-00-50-G-X-SH	SMB - Right Angle Board Mount		<a href="#">View</a>
RF55-24X-T-09-50-X-SH	SMA Bulkhead - Cable Mount	IP67	<a href="#">View</a>
RF55-25X-T-00-50-G-SH	SMB - Vertical Board Mount - Tall Body		<a href="#">View</a>
RF55-26X-T-09-50-X-SH	SMA Bulkhead - Cable Mount	IP67	<a href="#">View</a>
RF55-27X-T-02-50-X-SH	SMB - Cable Mount for Panel - Straight		<a href="#">View</a>
RF55-28X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		<a href="#">View</a>
RF55-29X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		<a href="#">View</a>
RF55-30X-T-00-50-G-SH	SMB - Vertical Board Mount - Standard Body		<a href="#">View</a>
RF55-31X-T-02-50-X-SH	SMB - Cable Mount for Panel - Straight		<a href="#">View</a>
RF55-32X-T-00-50-X-SH	SMB - Right Angle Board Mount- Short Body		<a href="#">View</a>
RF55-33X-T-00-50-X-SH	SMB - Right Angle Board Mount		<a href="#">View</a>
RF55-34X-T-02-50-SH	SMB - Cable Mount for Panel - Straight		<a href="#">View</a>

Code (X)	Applications	Color/RAL	
A	Radio without phantom supply	Jet Black / 9005	
B	Radio with phantom supply	Cream White / 9001	
C	GPS: telematics or navigation	Signal Blue / 5005	
D	GSM	Claret Violet / 4004	
E	TV1 / SDARS	Leaf Green / 6002	
F	TV2 / SDARS	Nut Brown / 8011	
G	Remote keyless entry	Blue Gray / 7031	
H	GPS: telematics and navigation	Heather Violet / 4003	
J	Bluetooth / controlled parking / heating	Beige / 1001	
K	Radio with IF	Curry / 1027	
L	Not defined	Yellow Green / 6018	
M	Not defined	Pastel Orange / 2003	
O	Not defined	Light Green / 6027	
Z	Neutral coding	Water Blue / 5021	

Adam Tech enhances its FAKRA (Fachkreis Automobil) series with its High Speed Data FAKRA connectors. One pin FAKRA connectors are no longer adequate for applications that require higher data transmission rates. HSD FAKRA four pin connectors meet those demands with their 100 ohm impedance-controlled system, offering high speeds and top-quality signal transmission. These high speed connectors are designed to satisfy RF requirements in various telematic and multimedia applications. They provide high performance, cost effective RF interface to FAKRA and USCAR standards. Their SMB based design includes multiple color-coded plastic housings to ensure accurate connections, as well as to meet automotive specifications. Adam Tech's HSD FAKRA connectors are ideal for automotive applications and are designed to meet the operational and environmental requirements of Satellite Digital Audio Radio Service (SDARS), Global System for Mobile Communications (GSM), and Global Positioning System (GPS).



### FEATURES AND BENEFITS:

- High speed data transmission rates up to 6 Gbps
- Frequency: DC up to 2.0 GHz
- 100 ohm differential impedance
- 4 pins
- Color-coded mechanical layouts
- Locking feature
- Selective gold plating
- Shielded for EMI/RFI protection
- Multiple connector configurations including straight, right angle, and cable mount
- RoHS compliant

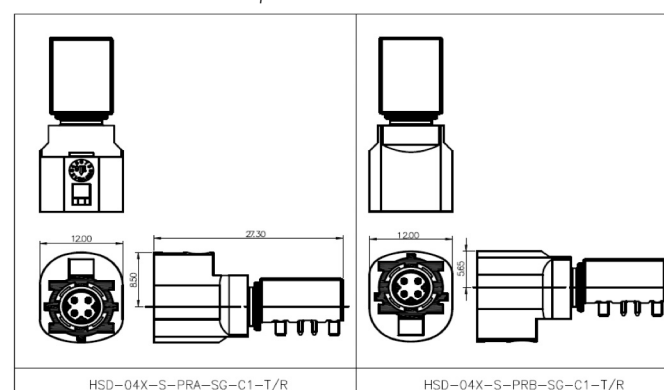
### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

PART NUMBER	CONTACT TYPE & MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">HSD-04X-S-PRX-SG-C1-TR</a>	Plug, Right Angle PCB	<a href="#">View</a>
<a href="#">HSD-04X-S-PT-SG-C1-TR</a>	Plug, Straight PCB	<a href="#">View</a>
<a href="#">HSD-04X-S-SD-SG-C4</a>	Socket, Solder Type (Cable)	<a href="#">View</a>

### RIGHT ANGLE (EXAMPLE)

CODE (UP/Down)  
PRX Option



### PART NUMBER CONFIGURATION

SERIES	POSITIONS+CODE	PORTS	CONTACT TYPE & MOUNTING ANGLE	CONTACT PLATING	TYPE	PACKING
<b>HSD</b> = HSD Connector	<b>PIN = 04</b> CODE <b>A</b> = BLACK <b>B</b> = WHITE <b>C</b> = BLUE <b>D</b> = BORDEAUX <b>E</b> = GREEN <b>F</b> = BROWN <b>Z</b> = WATER BLUE	<b>S</b> = SINGLE PORT <b>D</b> = DUAL PORT	<b>PT</b> = Plug, Straight PCB <b>PR</b> = Plug, Right Angle PCB <b>PS</b> = Plug, SMT <b>PD</b> = Plug, Solder Type (Cable) <b>ST</b> = Socket, Straight PCB <b>SR</b> = Socket, Right Angle PCB <b>SS</b> = Socket, SMT <b>SD</b> = Socket, Solder Type (Cable) <b>PPT</b> = Plug Power, Straight PCB <b>PPR</b> = Plug Power, Right Angle PCB <b>PPR1</b> = Reverse Plug Power, Right Angle PCB <b>PPS</b> = Plug Power, SMT <b>PPD</b> = Plug Power Solder Type (Cable) <b>SPT</b> = Socket Power, Straight PCB <b>SPR</b> = Socket Power, Right Angle PCB <b>SPS</b> = Socket Power, SMT <b>SPD</b> = Socket Power Solder Type (Cable)	<b>SG</b> = Sel Gold Plated <b>G</b> = Gold <b>SGM</b> = Sel Gold Matte Tin Plated	<b>C1, C2, C3, ...CX</b>	<b>T/R</b> = Tape Reel <b>TY</b> = Tray <b>PT</b> = Plastic Tube

Coding	Jack	Plug	Color / RAL-Nr. (similar)
A			Jet Black / 9005
B			Cream White / 9001
C			Signal Blue / 5005
D			Claret Violet / 4004
E			Leaf Green / 6002
F			Nut Brown / 8011
Z			Water Blue / 5021

Adam Tech's High Speed Mini FAKRA Connectors and Cable Assemblies support the automotive industry with the next generation of coaxial technology. These products support data transmission rates up to 20 Gbps, and frequencies up to 9 GHz. Designed with space saving in mind, they require 80% less installation space than standard FAKRAs. Adam Tech's offering includes multiple color-coded board side plugs and double-ended mini FAKRA jack cable assemblies. Mini FAKRA to standard FAKRA cable assemblies are also available, bridging the gap between the two generations.

## FEATURES AND BENEFITS:

### FEATURES:

- High speed data transmission rates up to 20 Gbps
- Frequency: DC up to 9.0 GHz
- Color coded mechanical layouts
- Space saving design
- Mini FAKRA cable to board connection system
- Mini FAKRA to standard FAKRA capabilities
- RoHS compliant

### SPECIFICATIONS:

#### Material:

- Insulator: Thermoplastic
- Contacts: Brass
- Shell: Zamak, tin plated

#### Contact Plating:

- Contact area: 80 - 160u" silver plated
- Solder tails: 80 - 160u" tin plated
- Underplate: 40 - 160u" nickel underplate overall

### Electrical:

- Impedance: 50 Ohm
- Frequency: DC to 9 GHz
- Return loss:  $\geq 17$  dB to 6 GHz or  $\geq 12$  dB to 9 GHz
- Insertion loss:  $\leq 0.75$  dB @ 9 GHz
- Insulation resistance: 1000 M $\Omega$

### Mechanical:

- Mating cycles:  $\geq 25$  cycles
- Engagement force:  $\leq 30$ N
- Disengagement force:  $\geq 60$ N

### TEMPERATURE RATING:

- Operating temperature range: -40°C to +105°C

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



PART NUMBER	TYPE	VERSION	PRODUCT DATA
CA-AM01XJ-1FJX-XM	Mini FAKRA Jack (1x1) to Standard FAKRA Jack Cable	AM	<a href="#">View</a>
CA-AM01XJ-AM01XJ-XM	Double-ended Mini FAKRA Jack Cable (1x1)	AM	<a href="#">View</a>
CA-AM04XJ-AM04XJ-XM	Double-ended Mini FAKRA Jack Cable (2x2)	AM	<a href="#">View</a>
CA-BM04XJ-4FJX-X	Mini FAKRA Jack (2x2) to Standard FAKRA Jacks Cable	BM	<a href="#">View</a>
CA-BM04XJ-4FPX-0.3	Mini FAKRA Jack (2x2) to Standard FAKRA Plugs Cable	BM	<a href="#">View</a>
CA-BM04XJ-BM04XJ-X	Double-ended Mini FAKRA Jack Cable (2x2)	BM	<a href="#">View</a>
MHSD-01X-AM-PRX-TR	Mini FAKRA Plug (1x1)	AM	<a href="#">View</a>
MHSD-04X-AM-PRX-TR	Mini FAKRA Plug (2x2)	AM	<a href="#">View</a>
MHSD-04X-BM-PRX-TR	Mini FAKRA Plug (2x2)	BM	<a href="#">View</a>

Adam Tech ASJ Series Stereo Jacks are a broad range of 2.5 and 3.5mm jacks used primarily in computer and multi-media audio applications. This series provides a multitude of sizes and configurations that are available in single or multiple switching forms. Options include choice of plastic or metal reinforced bodies, single, stacked and ganged versions or color-coded jacks for port identification.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Broad range of sizes and configurations
- Single or Multiple switching functions
- Plastic or Metal reinforced bodies
- Ganged and Stacked versions
- Color Coded option for Port Identification

### MATING PLUGS:

All industry standard 2.50mm and 3.50mm mono or stereo plugs.

### PACKAGING:

Anti-ESD plastic bags or Tape and Reel

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT or LCP, Glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black

Bushing: Brass, Nickel plated

Contacts: Copper alloy

#### Contact Plating:

Tin over Copper underplate

#### Electrical:

Operating voltage: 12V DC max.

Current rating: 1 Amp max.

Contact resistance: 30 mΩ max. initial

Insulation resistance: 100 MΩ min.

Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 4.4 lbs max.

Withdrawal force: 0.3 kg min

Mating durability: 5000 cycles min.

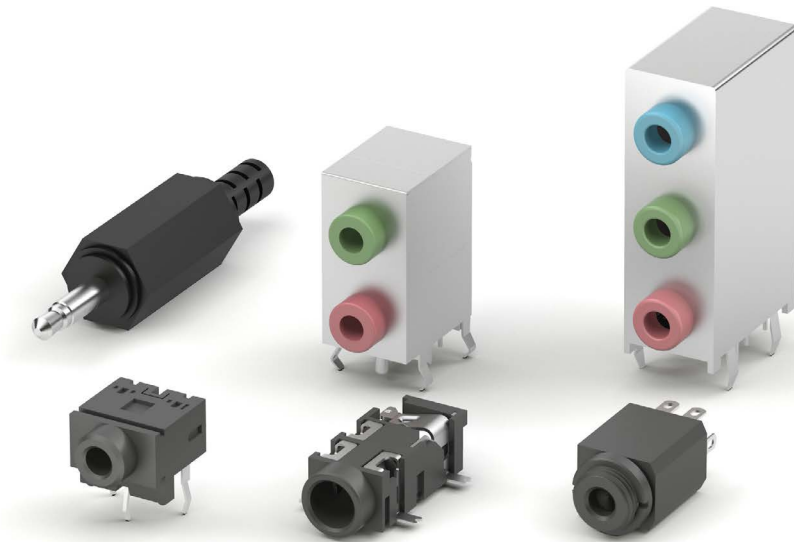
#### Temperature Rating:

Operating temperature: -25°C to +85°C

Soldering process temperature:

Standard insulator: 235°C

Hi-Temp insulator: 260°C



## Audio Jacks

PART NUMBER	GENDER	SIZE	MOUNTING ORIENTATION	PORTS	OPTIONS	PRODUCT DATA
ASJ-1-X	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-103-X-T/R	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-106-X-G-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-109-X	Receptacle	3.5mm	Vertical Through Hole	1 x 1		<a href="#">View</a>
ASJ-112-X	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-113-X	Receptacle	3.5mm	Vertical Through Hole	1 x 1		<a href="#">View</a>
ASJ-125-3	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-137-X-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-145L-X-T/R	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-165-M-G-HDW-X	Receptacle	3.5mm		1 x 1		<a href="#">View</a>
ASJ-18-3-TR	Receptacle	2.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-190-X	Receptacle	2.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-192-Y-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-193B-L-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-194-L-RD-30	Receptacle	3.5mm	Vertical Through Hole	1 x 1		<a href="#">View</a>
ASJ-195-X-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-196-K-T/R	Receptacle	3.5mm	Right Angle Surface Mount	1 x 1		<a href="#">View</a>
ASJ-197-U-HT	Receptacle	3.5mm	Vertical Through Hole	1 x 1		<a href="#">View</a>
ASJ-198-Y-HT-T/R	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-199-X-OF-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1	Optical Fiber	<a href="#">View</a>
ASJ-200-X-HT	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-37S-XX	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-6-XX	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>
ASJ-99H-X-HT-TR	Receptacle	3.5mm	Right Angle Through Hole	1 x 1		<a href="#">View</a>

## Audio Plugs

PART NUMBER	GENDER	SIZE	MOUNTING ORIENTATION	PORTS	OPTIONS	PRODUCT DATA
ASP-2.5-M	Plug (Mono)	2.5mm				<a href="#">View</a>
ASP-2.5-S-SR	Plug (Mono)	2.5mm				<a href="#">View</a>
ASP-3.5-S	Plug (2 Channel)	3.5mm				<a href="#">View</a>
ASP-3.5-S3-24.2	Plug (3 Channel)	3.5mm				<a href="#">View</a>

PART NUMBER CONFIGURATION						
ASJ	-	103	-	3	-	T/R
SERIES	JACK TYPE	ENTRY ANGLE	OPTIONS:			
ASJ = Stereo Jack	1, 5, 6, 7, 12, 15, 18, 37, 38, 40, 41, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113	(see website for individual schematics)	Add designator(s) to end of part number HT = Hi-Temp Nylon 6T insulator for Hi-Temp soldering processes up to 260°C T/R = Tape & Reel packaging			

PART NUMBER CONFIGURATION						
ASP	-	2.5	-	S	-	SR
SERIES	SIZE	CONFIGURATION	OPTIONS:			
ASP = Audio Stereo Plug	2.5 = 2.5mm Dia 3.5 = 3.5mm Dia 6.3 = 6.35mm Dia 6.35 = 6.35mm Dia	S = Stereo 2 Channel M = Mono S3 = Stereo 3 Channel	Add designator(s) to end of part number SR = Strain Relief			



Adam Tech's ADC Series is a complete line of miniature and sub-miniature jacks and plugs primarily used for the transmission of wall current transformed to DC power for detached and hand-held instruments. These DC power jacks and plugs are manufactured with a variety of center pin sizes for all standard applications, including 1.00mm, 1.30mm, 2.00mm and 2.50mm. Our contact is designed using a wide spring grade plated copper alloy for exceptional plug retention and low contact resistance.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Low Profile designs
- Superior contact system
- Exceptional plug retention
- Choice of Center pin sizes
- Hi Temp Versions
- Hi Current Versions

### MATING PLUGS:

All industry standard 1.00mm, 1.30mm, 2.00mm, 2.35mm and 2.50mm Plugs.

### PACKAGING:

Anti-ESD plastic bags or Tape and Reel

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT Glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black

Center Pin: Brass, Nickel plated  
 Contacts: Copper alloy

#### Contact Plating:

Silver over nickel underplate

#### Electrical:

Operating voltage: 12V DC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 50 MΩ min.  
 Dielectric withstanding voltage: 250V AC for 1 minute

#### Mechanical:

Insertion force: 3 kg max.  
 Withdrawal force: 0.3 kg min  
 Mating durability: 5000 cycles min.

#### Temperature Rating:

Operating temperature: -25°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C

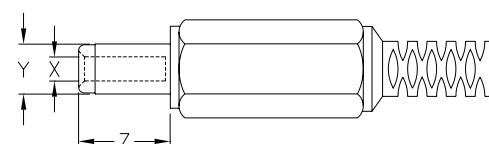


## JACK PART NUMBER CONFIGURATION

ADC	-	002	-	1	-	RT
SERIES	BODY STYLE	CENTER PIN DIAMETER		OPTIONS:		
ADC = DC Power Jack ADC-H = DC Power Jack Hi-Current 5 Amp Version	001 thru 138	1 = 2.00mm 2 = 2.50mm 3 = 1.00mm 4 = 1.30mm	5 = 2.35mm 8 = 0.7mm 9 = 1.65mm	RT = PC Board Retention Feature (Type 007 & 009 only) HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C N = Notch option, (ADC-002 only) T/R = Tape and Reel Packaging		

## PLUG PART NUMBER CONFIGURATION

ADP	-	X/Y/Z	-	SR
SERIES	SIZE	OPTIONS:		
ADP = DC Power Plug	X = I. D. / Y = O. D. / Z = Length	SR = Strain Relief M = Molding Type		





**ADC-H-002-X-HT**



**ADP-.051/.138/.374-SR**

## DC Power Jacks

PART NUMBER	GENDER	CENTER PIN SIZE	MOUNTING ORIENTATION	OPTIONS	STYLE	PRODUCT DATA
<a href="#">ADC-002-X</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole			<a href="#">View</a>
<a href="#">ADC-021-X-TR</a>	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		<a href="#">View</a>
<a href="#">ADC-027-X-M8</a>	Receptacle	Multiple Pin Size Options	Vertical Thru Hole		Panel Mount	<a href="#">View</a>
<a href="#">ADC-028-1-T/R-PA10T</a>	Receptacle	2.00mm	Right Angle Surface Mount			<a href="#">View</a>
<a href="#">ADC-029S-X-HT-T/R</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Temp Insulator		<a href="#">View</a>
<a href="#">ADC-033-X</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole			<a href="#">View</a>
<a href="#">ADC-037-X-TR</a>	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		<a href="#">View</a>
<a href="#">ADC-039-6</a>	Receptacle	1.45mm	Right Angle Thru Hole			<a href="#">View</a>
<a href="#">ADC-055B-9</a>	Receptacle	1.65mm	Right Angle Thru Hole			<a href="#">View</a>
<a href="#">ADC-070A-X-G-SMT-PPT-TR</a>	Receptacle	Multiple Pin Size Options	Vertical Surface Mount	Pick and Place Tape		<a href="#">View</a>
<a href="#">ADC-096-X-TR</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Temp Insulator		<a href="#">View</a>
<a href="#">ADC-098-8</a>	Receptacle	0.65mm	Right Angle Surface Mount			<a href="#">View</a>
<a href="#">ADC-102-X-TR</a>	Receptacle	Multiple Pin Size Options	Right Angle Surface Mount	Hi Temp Insulator		<a href="#">View</a>
<a href="#">ADC-H-002-X</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-002-X-HT</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-002A-X-RT</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-002B-X-N</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-002G-X</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-002G-X-N</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-010-X</a>	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-026-X</a>	Receptacle	Multiple Pin Size Options	Right Angle Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-042-X-SMT</a>	Receptacle	Multiple Pin Size Options	Vertical Surface Mount	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-085-X-HT-TR</a>	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>
<a href="#">ADC-H-123-X</a>	Receptacle	Multiple Pin Size Options	Vertical Thru Hole	Hi Current (5 Amps)		<a href="#">View</a>

## DC Power Plugs

PART NUMBER	GENDER	CENTER PIN SIZE	OPTIONS	PRODUCT DATA
<a href="#">ADP-.039/.150/.374-SR</a>	Plug	.039" [1.0mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-.051/.138/.374-SR</a>	Plug	.051" [1.3mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-.067/.187/.374-SR</a>	Plug	.067" [1.7mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-.083/.217/.433-HDW-SR</a>	Plug	.083" [2.1mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-098-217-689-M</a>	Plug	.098" [2.5mm]	Moulding Type	<a href="#">View</a>
<a href="#">ADP-1.3/3.5/9.5-SR</a>	Plug	.051" [1.3mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-.067/.187/.374</a>	Plug	.067" [1.7mm]		<a href="#">View</a>
<a href="#">ADP-.098-.217-.374-SR</a>	Plug	.098" [2.5mm]	Strain Relief	<a href="#">View</a>
<a href="#">ADP-2.1-5.5-9.5-SR</a>	Plug	.083" [2.1mm]	Strain Relief	<a href="#">View</a>

Adam Tech's Waterproof Audio & DC Charging Connectors are a combination of IP67 and Splash Proof sealed designs intended for use in applications exposed to moisture, humidity and rain. Special seals, o-rings, and epoxy coatings are incorporated into this product line to achieve the listed ratings. Adam Tech offers full customization capabilities to waterproof body styles not seen in this catalog. Reach out to us today with your requirement and our team of design engineers will work hand in hand with you to create the solution you need.

## FEATURES & SPECIFICATIONS

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PA66

Optional Hi-Temp insulator: Hi-Temp thermoplastic rated UL 94-V0  
 Insulator Color: Black  
 Contacts: Copper Alloy  
 Shell: Brass, Nickel Plated  
 Contact Plating: Gold Flash over nickel underplate overall

PART NUMBER	TYPE	WATERPROOF	PRODUCT DATA
<a href="#">ADC-114B-4-WP-HT-T/R</a>	DC Power	Yes	<a href="#">View</a>
<a href="#">ADC-119-4-WP</a>	DC Power	Yes	<a href="#">View</a>
<a href="#">ASJ-171B-M-WP</a>	Audio	Yes	<a href="#">View</a>
<a href="#">ASJ-181-1A-HDW-WP</a>	Audio	Yes	<a href="#">View</a>
<a href="#">ASJ-182-1A-HDW-WP</a>	Audio	Yes	<a href="#">View</a>
<a href="#">ASJ-203C-M-WP</a>	Audio	Yes	<a href="#">View</a>



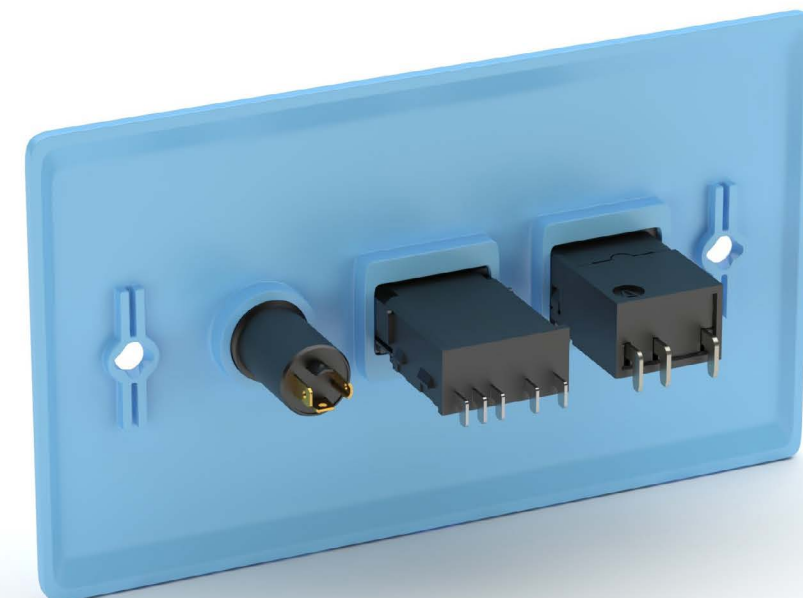
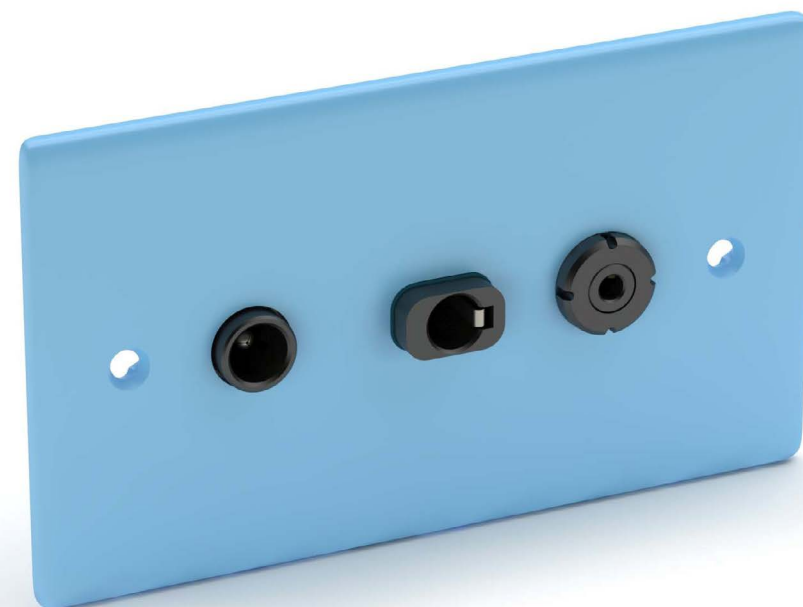
**Board Mount  
Waterproof Audio**



**Bulkhead Waterproof  
DC Power**



**Board Mount  
Waterproof DC Power**



Adam Tech's Circular Industrial Connector series is comprised of waterproof, ruggedized, and high current connectors. These connectors are offered in mated sets of various styles, including Circular, M style, RJ45, and USB. The mated sets provide waterproof protection, with IP ratings ranging from IP66 to IP68. With a variety of pin count and keying style options, these parts are ideal for many applications.

## FEATURES & SPECIFICATIONS

### FEATURES

Panel Mount, Overmold w/ Cable, Field Assembly Types  
 Complete Pin Count Selection  
 IP Sealing Options include IP66, IP67, IP68  
 Straight and Right Angle  
 Screw Locking Mechanisms

### MATING CONNECTORS:

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT

Optional Hi-Temp insulator: PA6T

Insulator Color: Black

Contacts: Brass

Shell: Zinc Allow or Brass

Contact Plating: Nickel or Gold plated over Nickel underplate

#### Electrical:

Operating Voltage: 250V

Current Rating: Up to 20A

Contact Resistance: 30 mohms max.

Insulation Resistance: 100 Mohms min.

Dielectric Withstanding Voltage: 500V AC for 1 Minute

#### Temperature Ratings:

Operating Temperature: -25°C to +85°C



## CASE STUDY



Medical devices, such as pulse oximeters, rely on the sealed connections of Circular Industrial Connectors. The multi-pin design is ideal for the reliability and security required in the medical industry.

# Circular Industrial Connectors - Waterproof, Ruggedized & High Current

WATERPROOF M8 & M12 STYLES

Adam Tech M8 & M12 Connector Systems and Assemblies are rugged, high durability, IP rated solutions for the most demanding applications. They are offered in the M8 and M12 sizes with varying levels of waterproof ratings from IP67 to IP69. Available as board connectors and also cable assemblies, this series is a popular choice for the most challenging environments and requirements.



PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
<a href="#">SD-M12F-CAP1</a>	M12	Male, Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-M12M-CAP1</a>	M12	Female, Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-M8F-CAP1</a>	M8	Male, Cap	N/A	IP67	<a href="#">View</a>
<a href="#">SD-MMA12-MMTPH-SX0-001</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-FFTDL-SX0-000</a>	M12	Male, Panel Mount, Straight PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-FFTDL-SX0-002</a>	M12	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-FFTPH-SX0-000</a>	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-MMTPH-SX0-003</a>	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-MMTDL-SX0-000</a>	M12	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-MMTPH-PX0-000</a>	M12	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMAXX-MMTPH-SX0-000</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMD04-FFTPH-PX0-000</a>	M12	Female, Panel Mount, Straight PCB	D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMD04-MMTPH-PX0-000</a>	M12	Male, Panel Mount, Straight PCB	D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXX-FFTPH-SX0-000</a>	M8	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXX-MMTPH-PX0-000</a>	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXX-FFTRH-SX0-000</a>	M8	Female, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXX-MMTPH-S70-000</a>	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMEXX-MMTPH-SX0-000</a>	M8	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMX08-FFTPH-PX0-001</a>	M12	Female, Panel Mount, Straight PCB	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMX08-MMTDL-IX0-000</a>	M12	Male, Field Assembly Cable Mount, IDC	X Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-FFTDL-SX0-013</a>	M12	Female, Field Assembly Cable Mount	A or D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-FFTPH-SX0-013</a>	M12	Female, Panel Mount, Solder Cup	A or D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTDL-SX0-013</a>	M12	Male, Cable Mount, Solder Cup	A or D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTPH-SX0-013</a>	M12	Male, Panel Mount, Solder Cup	A or D Coded	IP67	<a href="#">View</a>
<a href="#">SD-MMXXX-MMTRH-SX0-013X</a>	M12	Male, Panel Mount, Solder Cup	A or D Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA02-FFTS</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA02A-FFTS</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA03A-FFTS3</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA04-FFTS4</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05-FFTS5</a>	M12	Female, Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05-MMTRH-SX0-000</a>	M12	Male, Panel Mount, Solder Cup	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05B-FFTBLC7A-16</a>	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA05B-FFTBLC7A-16_5FT</a>	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMA08-MMTPH-RX0-000</a>	M12	Male, Panel Mount, Right Angle, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTBLCXX-XFT</a>	M12	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67 or IP68	<a href="#">View</a>

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	FOR A, B, C, & D STYLES	WATERPROOF RATING	PRODUCT DATA
<a href="#">SD-PMAXX-FFTDL-SX0-001</a>	M12	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTPH-RX0-000</a>	M12	Female, Panel Mount, Right Angle, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTDL-SX0-001</a>	M12	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTPH-RX0-000</a>	M12	Male, Panel Mount, Right Angle PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-FFTBRCXX-XFT</a>	M12	Female, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTBL-CXX-XFT</a>	M12	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTBL-CXX-XXXM</a>	M12	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMAXX-MMTBR-CXX-XFT</a>	M12	Male, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMB05-FFTRH-PX0-000</a>	M12	Female, Panel Mount, Straight, Solder Cup	B Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMDXX-FFTDL-SX0-000</a>	M12	Female, Field Assembly Cable Mount	D Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMDXX-MMTDL-SX0-000</a>	M12	Male, Field Assembly Cable Mount	D Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTDL-SX0-001</a>	M8	Female, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTPH-RX0-000</a>	M8	Female, Panel Mount, Right Angle PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-MMTPH-PX0-001</a>	M8	Male, Panel Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-MMTPH-RX0-000</a>	M8	Male, Panel Mount, Right Angle PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTBLCXX-XFT</a>	M8	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTBLCXX-XXXM</a>	M8	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-FFTBRCXX-XFT</a>	M8	Female, Right Angle, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-MMTBL-CXX-XFT</a>	M8	Male, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMEXX-MMTDL-SX0-000</a>	M8	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMG04-FFTPH-RX0-000</a>	M5	Female, Panel Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMG04-MMTPH-RX0-000</a>	M5	Male, Panel Mount, Straight, PCB	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMGXX-FFTBLCXX-XFT</a>	M5	Female, Straight, Overmolded on Cable Assembly	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMGXX-MMTBL-CXX-XFT</a>	M5	Male, Field Assembly Cable Mount	A Coded	IP67	<a href="#">View</a>
<a href="#">SD-PMX08-MMTBL-CXX-XFT</a>	M12	Male, Straight, Overmolded on Cable Assembly	X Coded	IP67 or IP68	<a href="#">View</a>
<a href="#">SD-PNXXX-MMTAL-S00-013</a>	M12	Male, Field Assembly Cable Mount	A or D Coded	IP-67	<a href="#">View</a>

# Circular Industrial Connectors - Waterproof, Ruggedized & High Current

WATERPROOF CIRCULAR STYLES



Adam Tech's Waterproof Circular Connectors and Cable Assemblies are a wide offering of industry standard waterproof solutions. Ranging from IP67 to IP69, these ruggedized systems are designed to handle harsh environments, while providing the utmost reliability.



PART NUMBER	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
SD-BM-CAPIX	Male, Cap, B Size	N/A	<a href="#">View</a>
SD-BM-CAP2	Male, Dust Cover, B Size	N/A	<a href="#">View</a>
SD-CAXX-MMBBR-CXX-XFT	Male, Right Angle, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CAXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CAXX-FFBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-MMBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-MMBPH-SX0-001	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CBXX-FFBAL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFBAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFBBL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CBXX-FFTAL-CXX-XFT	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFTAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFTBL-CXX-XFT-X	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CBXX-FFTDL-SX0-000	Female, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CBXX-MMBDL-SX0-000	Male, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CBXX-MMBPH-PX0-001	Male, Panel Mount, PCB	IP67	<a href="#">View</a>
SD-CBXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CBXX-MMTDL-SX0-000	Male, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CBXX-MMTPH-PX0-000	Male, Panel Mount, PCB	IP67	<a href="#">View</a>
SD-CBXX-MMTPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CBXX-MMTRH-PX0-000	Male, Panel Mount, PCB	IP67	<a href="#">View</a>
SD-CBXX-MMTRH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CCXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CCXX-FFBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CCXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CCXX-MMBBL-CXX-XFT	Male, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CCXX-MMBDL-SX0-000	Male, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CCXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CD35-FCBAL-CXX-XXXM	Female, Straight, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CD35-MDBPH-PX0-000	Male, Panel Mount, PCB	IP67	<a href="#">View</a>
SD-CD37-MDBPH-SX000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CDXX-MMBPH-SX0-000	Male, Panel Mount, Solder Cup	IP67	<a href="#">View</a>
SD-CDXX-FFBAR-CXX-XFT	Male, Right Angle, Overmolded on Cable Assembly	IP67	<a href="#">View</a>
SD-CDXX-FFBDL-SX0-000	Female, Field Assembly Cable Mount	IP67	<a href="#">View</a>
SD-CM-CAP1	Male, Cap, RJ45	N/A	<a href="#">View</a>

PART NUMBER CONFIGURATION			
SD	CA03A	MMBPH	S70-000
SERIES	SERIES, SIZE, STYLE, POSITIONS	CONNECTOR STYLE, CONTACT TYPE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL	ASSEMBLY STYLE, IP RATING, SERIAL NUMBER
<b>SD</b> = Waterproof	<p>1st Characters for Series <b>C</b> = Circular</p> <p>2nd Character for Size <b>A</b> = Mini (7/16") <b>B</b> = Standard (5/8") <b>C</b> = Middle (13/16") <b>D</b> = Large (1") <b>E</b> = Marco (1, 3/16") <b>F</b> = (7/8") <b>G</b> = SP13</p> <p>3rd ~4th Character for Positions <b>02, 03, ..., Pins (Positions)</b></p> <p>5th Character for Contact Ampere <b>A, B, ..., (Refer to drawing for rating mapping)</b></p>	<p>1st Characters for Connector Style <b>M</b> = Male Connector <b>F</b> = Female Connector</p> <p>2nd Character for Contact Type <b>M</b> = Male Contact <b>F</b> = Female Contact <b>C</b> = Hybrid (Different Size Male Contacts) <b>D</b> = Hybrid (Different Size Female Contacts) <b>E</b> = Female (Large Amp) + Male (Smaller Amp) <b>F</b> = Male (Large Amp) + Female (Smaller Amp)</p> <p>3rd Character for Mating Style <b>T</b> = Thread/Screw <b>B</b> = Bayonet/Twist Lock</p> <p>4th Character for S/R or Lock Style <b>A</b> = Molding Cable w/ SR <b>B</b> = Molding Cable w/o SR <b>C</b> = Ass'y Type w/ SR <b>D</b> = Ass'y Type w/o SR <b>P</b> = Panel Front Mount <b>R</b> = Panel Rear Mount <b>S</b> = Semi-finished product (P/N end here)</p> <p>5th Character for Back Shell <b>L</b> = Straight (180° Cable, Ass'y Type) <b>R</b> = R/A (90° Cable, Ass'y Type) <b>C</b> = Circular Panel Flange <b>H</b> = Front Hexagonal Nut Panel</p>	<p>1st Character for Assembly Style <b>S</b> = Solder Type <b>P</b> = 180° PCB Type <b>R</b> = 90° PCB Type <b>W</b> = Screw in Type <b>C</b> = Molding Type <b>I</b> = IDC <b>CR</b> = Crimp Type</p> <p>2nd Character for IP Rating <b>N</b> = No IP <b>6</b> = IP 66 <b>7</b> = IP 67 <b>8</b> = IP 68</p> <p>3rd Character for Cable Type <b>O</b> = Panel or No Cable <b>A</b> = UL2464 <b>B</b> = SJTW <b>C</b> = UL2517 <b>D</b> = Cat5E <b>E</b> = Cat6 <b>G</b> = Cat6A</p> <p>4th ~6th Character for Cable Length <b>000</b> = No Cable <b>1FT, 3FT, 9FT...</b></p>

Adam Tech offers a range of weatherproof, ruggedized, IP rated RJ45 and USB connector sets in various styles. Custom designs can also be made upon request.



PART NUMBER	TYPE	WATERPROOF RATING	GENDER / MOUNTING TYPE	PRODUCT DATA
SD-HDPA-JBRC-SX0-009	HDMI	IP67	Female, Panel Mount, Solder	<a href="#">View</a>
SD-NPBC-JTPC-TB70-000	Mini USB	IP67	Male, Panel Mount, Transfer Board	<a href="#">View</a>
SD-NPBC-JTPC-TBX0-000	Mini USB	IP67	Male, Panel Mount, Transfer Board	<a href="#">View</a>
SD-NPBC-PTAL-CXX-XFT	Mini USB	IP67	Male, Cable Mount	<a href="#">View</a>
SD-RPC-JBPC-AX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JBPC-PSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JBPC-PSX0-001	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JBPC-WRX0-000	RJ45	IP67	Female, Panel Mount, Right Angle PCB	<a href="#">View</a>
SD-RPC-JBPC-WSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JTBL-CXX-XFT	RJ45	IP67	Female, Panel Mount, Right Angle PCB	<a href="#">View</a>
SD-RPC-JTPC-PRX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JTPC-PSX0-000	RJ45	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-RPC-JTPC-WRX0-000	RJ45	IP67	Female, Panel Mount, Right Angle Conn	<a href="#">View</a>
SD-RPC-JTPC-WSX0-000	RJ45	IP67	Female, Panel Mount, Straight Conn	<a href="#">View</a>
SD-RPC-PBBL-CXX-XFT	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
SD-RPC-PBDL-GXX-000	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
SD-RPC-PTBL-CXX-XFT	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
SD-RPC-PTDL-GXX-000	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
SD-RPC-PTDL-GXX-001	RJ45	IP67	Male, Cable Mount	<a href="#">View</a>
SD-UPAC-JBPC-PSX0-000	USB	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-UPAC-JTPC-PS70-001	USB	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-UPAC-JTPC-PSX0-000	USB	IP67	Female, Panel Mount, Straight PCB	<a href="#">View</a>
SD-UPAC-PBBL-CXX-XFT	USB	IP67	Male, Cable Mount	<a href="#">View</a>

PART NUMBER CONFIGURATION			
SD	UPAC	JBPC	J7D-1FT
SERIES	SERIES, STYLE, SIZE	CONNECTOR STYLE, MATING STYLE, S/R OR LOCK STYLE, BACK SHELL	ASSEMBLY STYLE, IP RATING, CATEGORY/ SHIELDING, SERIAL NUMBER
SD = Waterproof	1st~2nd or 3rd Characters for Series <b>RM</b> = RJ45 Metal Housing Metal Nut <b>RP</b> = RJ45 Plastic Housing Plastic Nut <b>RPM</b> = RJ45 Plastic Housing Metal Nut <b>UPA</b> = USB 2.0 A-TYPE Plastic Housing Plastic Nut <b>U3PA</b> = USB 3.0 A-TYPE Plastic Housing Plastic Nut <b>NPB</b> = Mini USB B-TYPE Plastic Housing Plastic Nut <b>A2P</b> = 2.5mm Audio Connector Plastic Housing Plastic Nut <b>A3P</b> = 3.5mm Audio Connector Plastic Housing Plastic Nut <b>A4P</b> = 1/4 inch (6.35mm) Audio Connector Plastic Housing Plastic Nut <b>DE9P</b> = D-sub 9 Pin Plastic hood <b>HDPA</b> = HDMI Type-A Plastic Housing Plastic Nut  3rd or 4th Character for Size/Code <b>C</b> = Middle (13/16") <b>S</b> = Square hole panel <b>K</b> = Key lock	1st Characters for Connector Style <b>P</b> = Plug Connector <b>J</b> = Jack Connector  2nd Character for Mating Style <b>T</b> = Thread/Screw <b>B</b> = Bayonet/Twist Lock <b>S</b> = Snap in <b>U</b> = Thumb Screw  3rd Character for S/R or Lock Style <b>A</b> = Molding Cable w/ SR <b>B</b> = Molding Cable w/o SR <b>C</b> = Ass'y Type w/ SR <b>D</b> = Ass'y Type w/o SR <b>E</b> = W/Cable w/o SR (PCB Type) <b>P</b> = Panel Front Mount <b>R</b> = Panel Rear Mount  4th Character for Back Shell <b>L</b> = Straight (180° Cable, Ass'y Type) <b>C</b> = Circular Panel <b>M</b> = Module jack	1st Character for Assembly Style <b>S</b> = Solder Type or w/cable plug <b>C</b> = Molding Type direct cut <b>J</b> = Jack <b>G</b> = Plug <b>A</b> = Adapter <b>PS</b> = Pin header Straight <b>PR</b> = Pin header Right angle <b>WS</b> = Wafer Straight <b>WR</b> = Wafer Right angle <b>TB</b> = Transfer Board  2nd Character for IP Rating <b>6</b> = IP 66 <b>7</b> = IP 67 <b>8</b> = IP 68  3rd Character for Cable Type <b>O</b> = Panel or No Cable <b>A</b> = Cat5 Shield (STP) <b>B</b> = Cat5 Un-Shield (UTP) <b>C</b> = Cat5E Shield <b>D</b> = Cat5E Un-Shield <b>E</b> = Cat6 Shield <b>F</b> = Cat6 Un-Shield <b>G</b> = Cat6A Shield <b>H</b> = Cat6A Un-Shield <b>J</b> = Cat5E Fn-Shield (FTP) <b>L</b> = USB Type A <b>M</b> = USB Type B  4th ~6th Character for Cable Length <b>000</b> = No Cable <b>1FT, 3FT, 9FT...</b>

### MAXIMUM CHARACTERS

Std. P/N = 18  
 Customization P/N = 21

### FOR NON STANDARD OR CUSTOMIZATION

Substituted with under after Back shell  
**ANXXXXX-X** = Customization Case Numbers  
 (Ex, WP-RPC-JBPC-AN10920-1)

Adam Tech's comprehensive line of Push Pull Connectors consists of metal and plastic connectors, elbow sockets, and bend reliefs. Each product type is offered in a variety of options, including positions, mounting, and size. Specialty waterproof push pull connectors are also available with ratings of IP67 and IP68. Adam Tech Push Pull Connectors are ideal for any application requiring easy, secure connections.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Plugs and sockets
- Metal and plastic
- Standard IP50 Dustproof
- IP67 and IP68 waterproof
- Elbow sockets
- Bend reliefs
- Various positions
- Various collet sizes
- Solder cup and PCB
- Panel and cable mount
- Fully intermateable with all industry leading push pull connectors

### APPLICATIONS:

- Medical
- Industrial
- Instrumentation
- Data and communications
- Automotive
- Audio/video

### SPECIFICATIONS:

#### Material:

- Insulator: PPS
- Housing: Brass, natural chrome plated or PC
- Terminal: Brass, gold plated

#### Electrical:

- Current rating range: 1.5 to 20A
- Voltage rating: 250V
- Electrical life: 1,000 cycles min.

#### Temperature Rating:

- Operating temperature range: -55°C to +150°C



**MMI-ES1G03PR**



**MMI-MOPG04S52B**



**MMI-P1SRG02PRGG**



**MMI-M0RS104S-IP68**

PART NUMBER	TYPE	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
<a href="#">MMI-BR0-XX-XX-X</a>	Bend Relief			<a href="#">View</a>
<a href="#">MMI-BR1-XX-XX-X</a>	Bend Relief			<a href="#">View</a>
<a href="#">MMI-BR2-XX-XX-X</a>	Bend Relief			<a href="#">View</a>
<a href="#">MMI-ES1GXXPR</a>	Elbow Socket	Female, Panel Mount	IP50	<a href="#">View</a>
<a href="#">MMI-ES1GXXPR-T</a>	Elbow Socket	Female, Panel Mount	IP50	<a href="#">View</a>
<a href="#">MMI-M0FGXXSXX-IP67</a>	Metal	Female, Cable Plug	IP67	<a href="#">View</a>
<a href="#">MMI-M0FGXXSXXB-IP67</a>	Metal	Female, Cable Plug	IP67	<a href="#">View</a>
<a href="#">MMI-M0FSXXS</a>	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
<a href="#">MMI-M0FXXSXX</a>	Metal	Female, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0FXXSXXB</a>	Metal	Female, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0PGXXSXX-IP67</a>	Metal	Male, Cable Plug	IP67	<a href="#">View</a>
<a href="#">MMI-M0PGXXSXXB-IP67</a>	Metal	Male, Cable Plug	IP67	<a href="#">View</a>
<a href="#">MMI-M0PRXXSXX</a>	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0PRXXSXXB</a>	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0PXXSXX</a>	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0PXXSXX-IP68</a>	Metal	Male, Cable Plug	IP68	<a href="#">View</a>
<a href="#">MMI-M0PXXSXXB</a>	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
<a href="#">MMI-M0PXXSXXB-IP68</a>	Metal	Male, Cable Plug	IP68	<a href="#">View</a>
<a href="#">MMI-M0RSGXXS-IP67</a>	Metal	Female, Panel Mount	IP67	<a href="#">View</a>
<a href="#">MMI-M0RSXXP</a>	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
<a href="#">MMI-M0RSXXP-IP68</a>	Metal	Female, Panel Mount	IP68	<a href="#">View</a>



PART NUMBER	TYPE	GENDER / MOUNTING TYPE	WATERPROOF RATING	PRODUCT DATA
MMI-MORSXXXPR	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-MORSXXXS	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-MORSXXXS-IP68	Metal	Female, Panel Mount	IP68	<a href="#">View</a>
MMI-MIFGXXXSX-IP67	Metal	Female, Cable Plug	IP67	<a href="#">View</a>
MMI-MIFGXXXSXB-IP67	Metal	Female, Cable Plug	IP67	<a href="#">View</a>
MMI-MIFSXXXS	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-MIFXXXSX	Metal	Female, Cable Plug	IP50	<a href="#">View</a>
MMI-MIFXXXSXB	Metal	Female, Cable Plug	IP50	<a href="#">View</a>
MMI-MIPGXXXSX-IP67	Metal	Male, Cable Plug	IP67	<a href="#">View</a>
MMI-MIPGXXXSXB-IP67	Metal	Male, Cable Plug	IP67	<a href="#">View</a>
MMI-MIPRXXXSX	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-MIPRXXXSXB	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-MIPXXXSX	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-MIPXXXSX-IP68	Metal	Male, Cable Plug	IP68	<a href="#">View</a>
MMI-MIPXXXSXB	Metal	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-MIPXXXSXB-IP68	Metal	Male, Cable Plug	IP68	<a href="#">View</a>
MMI-MIRSGXS-IP67	Metal	Female, Panel Mount	IP67	<a href="#">View</a>
MMI-MIRSXXXP	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-MIRSXXXP-IP68	Metal	Female, Panel Mount	IP68	<a href="#">View</a>
MMI-MIRSXXXPR	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-MIRSXXXS	Metal	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-POM-COL-XX	Collet		IP50	<a href="#">View</a>
MMI-POM-COL-XX-IP6X	Collet		IP67 or IP68	<a href="#">View</a>
MMI-PIFGXXXSXB	Plastic	Female, Cable Plug	IP50	<a href="#">View</a>
MMI-PIFGXXXSX	Plastic	Female, Cable Plug	IP50	<a href="#">View</a>
MMI-PIM-COL-XX	Collet		IP50	<a href="#">View</a>
MMI-PIM-COL-XX-IP6X	Collet		IP67 or IP68	<a href="#">View</a>
MMI-PIP-BN-X	Nut			<a href="#">View</a>
MMI-PIP-COL-XX	Collet			<a href="#">View</a>
MMI-PIPXXXSXB	Plastic	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-PIPXXXSX	Plastic	Male, Cable Plug	IP50	<a href="#">View</a>
MMI-PIS-FN-X	Nut			<a href="#">View</a>
MMI-PISRXXXPRXX	Plastic	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-PISRXXXPXX	Plastic	Female, Panel Mount	IP50	<a href="#">View</a>
MMI-PISRXXXSX	Plastic	Female, Panel Mount	IP50	<a href="#">View</a>



**MMI-ES1G08PR-T**



**MMI-M0FSG04S**



**MMI-M0RSG04P**



**MMI-M0RSG06S-IP67**



**MMI-M1FG10S52B-IP67**



**MMI-M0PRG03S52**



**MMI-M1RSG06PR**



**MMI-P1SRG05PGG**

Automotive Connectors manufactured in our IATF 16949 certified facility are state of the art solutions to connect a variety of Automotive applications. This specialized series of Automotive board headers and pin strips achieve suitability for a wide range of applications. Our success with automotive connectors and cables is heavily "Custom Solution Based." The bulk of Adam Tech's Automotive expertise is centered around developing custom Automotive solutions not available elsewhere on the market. Many of our customers will submit to us a sketch of a specialized auto connector that requires design and tooling. Our team of engineers will develop a custom design tailored specifically to your application. For more details, submit a "Custom Solution" request through our Website Inquiry Form.



## FEATURES & SPECIFICATIONS

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PA66, PA6T or PA9T  
 Optional Hi-Temp insulator: PA6T or PA9T  
 Insulator Color: Black  
 Contacts: Brass  
 Contact Plating: Tin or Gold over Nickel underplate

#### Electrical:

Operating Voltage: 250V

Current Rating: Up to 7 Amps  
 Contact Resistance: 20 mohms max.  
 Insulation Resistance: 1,000 Mohms min.  
 Dielectric Withstanding Voltage: 500V AC

#### Mechanical:

#### Temperature Ratings:

Operating Temperature: -40°C to +125°C  
 Soldering process temperature:  
 Standard insulator: PA66  
 Hi-Temp insulator: PA6T or PA9T

PART NUMBER	TYPE	PIN COUNT	CENTERLINE	PRODUCT DATA
<a href="#">ADT-AMMC3336A850PPCT006</a>	Board Header	23	4.00mm	<a href="#">View</a>
<a href="#">ADT-AMMC3722PPCT001</a>	Board Header		4.20mm	<a href="#">View</a>
<a href="#">ADT-AMMC3903MACT002</a>	Board Header	31	4.00mm	<a href="#">View</a>
<a href="#">ADT-AMPI151106S3BR149E2</a>	Board Header	6	2.54mm	<a href="#">View</a>
<a href="#">ADT-AMPI251104S2BS192A1</a>	Board Header	4	2.54mm	<a href="#">View</a>
<a href="#">ADT-AMPI251106S4BS165A1</a>	Board Header	6	2.54mm	<a href="#">View</a>
<a href="#">ADT-AMPI1831104S4CR228B1</a>	Board Header	4	2.54mm	<a href="#">View</a>
<a href="#">ADT-AMPE441212S3ES170E1</a>	Board Header	24	4.20mm	<a href="#">View</a>
<a href="#">ADT-AMYX7762311</a>	Board Header	35	1.35mm	<a href="#">View</a>

# ADVANCED AUTOMOTIVE SOLUTIONS AND DESIGN

- Connector, Terminal and Wiring Capability
- High Retention Force Designs
- Customized Solutions
- IATF 16949:2016



Adam Tech RF Assemblies consist of a wide range of industry styles and types including IPEX, SMA, MCX, and BNC and available in numerous lengths which may also be customized to your requirements. RF cables are highly customizable and can be tailored to suit your application requirements.

## FEATURES & SPECIFICATIONS

### FEATURES:

Bodies available with gold or nickel plating  
 Insulators available in Teflon, Delrin, and Polypropylene  
 Standard availability of 50 or 75 ohms impedance  
 Through hole and SMT types for printed circuit board versions  
 Male and female types available in bulkhead and cable mount versions

### MATING CONNECTORS:

Adam Tech RF series connectors and all industry Standard RF connectors

### PACKAGING:

Anti-ESD plastic trays or bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Housing: Brass, Nickel plated  
 Zinc diecast, Nickel plated  
 Standard Insulators: Delrin, Polypropylene or Teflon

Optional Hi-Temp Insulator: Teflon  
 Contacts: Beryllium copper, Gold plated

#### Electrical:

Operating voltage: 150V AC max.  
 Contact resistance: 5 mΩ max. initial  
 Impedance: 50 or 75 ohms  
 Insulation resistance: 5000 M min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute  
 VSWR: 1.2 max  
 Frequency range: 0 – 6 GHz

#### Mechanical:

Engagement force: 4.5 lbs max  
 Disengagement force: 2 lbs min  
 Cable retention: equal to breaking strength of cable employed  
 Durability: 500 cycles

#### Temperature Rating:

Operating temperature: -20°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



PART NUMBER	TYPE	LENGTH	CABLE	PRODUCT DATA
CA-BNC-P-P-02-610L	BNC to BNC	24 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-750L	BNC to BNC	29 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-XXXL	BNC to BNC		RG-174 Cable	<a href="#">View</a>
CA-DKCA0-152L0-AJ10-0	SMA to IPEX	6 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA0-152L1-AL10-0	SMA to IPEX	6 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA0-305L0-AJ10-0	SMA to IPEX	12 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA0-305L1-AL10-0	SMA to IPEX	12 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA1-100L1-I010	IPEX to IPEX	4 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA1-100LQ-I010	IPEX to IPEX	4 inches	0.81mm Cable	<a href="#">View</a>
CA-DKCA1-152L0-AJ10	SMA to IPEX	6 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-152L0-AJ15	SMA to IPEX	6 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-152L0-I0-12	IPEX to Stripped End	12 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-152L0-I0-6	IPEX to Stripped End	6 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-152L1-AL10	SMA to IPEX	6 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA1-152L3-DPDRP-12	MCX to MCX	12 inches	RG-178 Cable	<a href="#">View</a>
CA-DKCA1-152L3-DPDRP-6	MCX to MCX	6 inches	RG-178 Cable	<a href="#">View</a>
CA-DKCA1-152L5-APAJ	SMA to SMA	6 inches	RG-316 Cable	<a href="#">View</a>
CA-DKCA1-152L5-EPR-HSBL-12	MMCX to Stripped End	12 inches	RG-316 Cable	<a href="#">View</a>
CA-DKCA1-152L5-EPR-HSBL-6	MMCX to Stripped End	6 inches	RG-316 Cable	<a href="#">View</a>
CA-DKCA1-152LQ-AL15	SMA to IPEX	6 inches	0.81mm Cable	<a href="#">View</a>
CA-DKCA1-153L3-EPEP	MMCX to MMCX	6 inches	RG-178 Cable	<a href="#">View</a>
CA-DKCA1-153L5-EPREPR	MMCX to MMCX	6 inches	RG-316 Cable	<a href="#">View</a>
CA-DKCA1-200L1-I010	IPEX to IPEX	7.9 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA1-220LQ-I010	IPEX to IPEX	8.7 inches	0.81mm Cable	<a href="#">View</a>
CA-DKCA1-305L0-AJ10	SMA to IPEX	12 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-305L0-AJ15	SMA to IPEX	6 inches	1.13mm Diameter	<a href="#">View</a>
CA-DKCA1-305L1-AL10	SMA to IPEX	12 inches	1.37mm Cable	<a href="#">View</a>
CA-DKCA1-305L5-APAJ	SMA to SMA	12 inches	RG-316 Cable	<a href="#">View</a>
CA-DKCA1-305LQ-AL15	SMA to IPEX	12 inches	0.81mm Cable	<a href="#">View</a>
CA-DKCA1-50LQ-I010	IPEX to IPEX	2 inches	0.81mm Cable	<a href="#">View</a>

PART NUMBER	TYPE	LENGTH	CABLE	PRODUCT DATA
CA-BNC-P-P-01-1000L	BNC to BNC	39 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-1082L	BNC to BNC	42 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-1800L	BNC to BNC	70 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-2082L	BNC to BNC	81 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-282L	BNC to BNC	11 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-305L	BNC to BNC	12 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-3082L	BNC to BNC	121 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-582L	BNC to BNC	22 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-915L	BNC to BNC	36 inches	RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-01-XXXL	BNC to BNC		RG-58 Cable	<a href="#">View</a>
CA-BNC-P-P-02-1000L	BNC to BNC	39 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-1200L	BNC to BNC	47 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-1500L	BNC to BNC	59 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-2000L	BNC to BNC	78 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-2800L	BNC to BNC	110 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-500L	BNC to BNC	19 inches	RG-174 Cable	<a href="#">View</a>
CA-BNC-P-P-02-600L	BNC to BNC	23 inches	RG-174 Cable	<a href="#">View</a>

Adam Tech's RF Antennas are an optimal solution for any application transmitting or receiving electromagnetic waves. This series is headlined by WiFi, LTE, and GPS antennas, offered as either embedded or external. Designed with versatility in mind, they are available in a variety of lengths, mounting orientations, and specifications. Adam Tech is committed to providing reliable solutions to the wide world of wireless communication.

## FEATURES & SPECIFICATIONS

### FEATURES:

- External and embedded antennas
- 5G, 4G, 3G, and 2G standards
- WiFi and LTE
- Navigation systems, such as GPS and Galileo
- Enable high speed wireless communication
- Variety of lengths
- Horizontal and vertical mounting orientations
- Wide range of frequencies

### APPLICATIONS:

- Routers
- Navigation systems
- Radars
- Televisions
- Radios
- Mobile phones
- Automobiles
- Communication systems



PART NUMBER	TYPE	PRODUCT DATA
ANT-190061B77	4G FPC Antenna	<a href="#">View</a>
ANT-190071B77	4G FPC Antenna	<a href="#">View</a>
ANT-19031EB78	4G External Antenna	<a href="#">View</a>
ANT-19036EB56	ISM External Antenna	<a href="#">View</a>
ANT-190541B97	3G PCB Antenna	<a href="#">View</a>
ANT-19073EB56	5G External Antenna	<a href="#">View</a>
ANT-190751B93	GPS Antenna	<a href="#">View</a>
ANT-19078EB56	4G and GNSS Combo Antenna	<a href="#">View</a>
ANT-200051B66	GPS Antenna	<a href="#">View</a>
ANT-200091B66	4G SMD Antenna	<a href="#">View</a>
ANT-200421B77	5G FPC Antenna	<a href="#">View</a>

PART NUMBER	TYPE	PRODUCT DATA
ANT-20087EB56	GPS Antenna	<a href="#">View</a>
ANT-20090EB56	Wifi External Antenna	<a href="#">View</a>
ANT-20228WB56	5G External Antenna	<a href="#">View</a>
ANT-202641B93	GPS Antenna	<a href="#">View</a>
ANT-20284EB56	4G External Antenna	<a href="#">View</a>
ANT-20287EB56	4G External Antenna	<a href="#">View</a>
ANT-20289EB56	Wifi External Antenna	<a href="#">View</a>
ANT-21012EB56	3G External Antenna	<a href="#">View</a>
ANT-210171B77	3G FPC Antenna	<a href="#">View</a>
ANT-DK-3G0EM22-10300	3G Embedded Antenna	<a href="#">View</a>
ANT-DK-DB1DI-2AB(C)-	WLAN External Antenna	<a href="#">View</a>

PART NUMBER	TYPE	PRODUCT DATA
ANT-DK-GPIFP-GAP3M-1	GPS Antenna	<a href="#">View</a>
ANT-DK-LTE0EM58-10300	LTE Embedded Antenna	<a href="#">View</a>
ANT-DK-LTEIDIP-2AP(P)	LTE External Antenna	<a href="#">View</a>
ANT-DK-LTEIMD-GAPL52M	LTE External Antenna	<a href="#">View</a>
ANT-DK-WF0EM01-10200	Wifi Embedded Antenna	<a href="#">View</a>
ANT-DK-WF1DI-2AB(C)-	Wifi External Antenna	<a href="#">View</a>
ANT-DK-WF1EM73-1085-1	Wifi Embedded Antenna	<a href="#">View</a>
ANT-DK-WLA1DL-5L021010-C	Wifi External Antenna	<a href="#">View</a>
ANT-DK-WLA1EM60-10150	WLAN Embedded Antenna	<a href="#">View</a>

Adam Tech Flat Flex Cables (FFC) are available in a wide variety of options including 0.50mm – 2mm centerline spacing, nearly any length or contact number required, and configurability of contacts location on same side, alternate sides, or a combination of both.

Our FFC series is fully customizable with regard to any of the features above including also the ability to specify exactly which contacts (terminals) you require for your application. Reach out to us today to get started on your design.

## FEATURES & SPECIFICATIONS

### PACKAGING:

Anti ESD Plastic Bags

### SPECIFICATIONS:

#### Material:

Standard insulator: PET  
 Insulator Color: White Color  
 Support Tape: PET, Blue Color

Contacts: Tin Plated Copper  
 Contact Plating:

#### Electrical:

Operating Voltage: 90V UL 2743

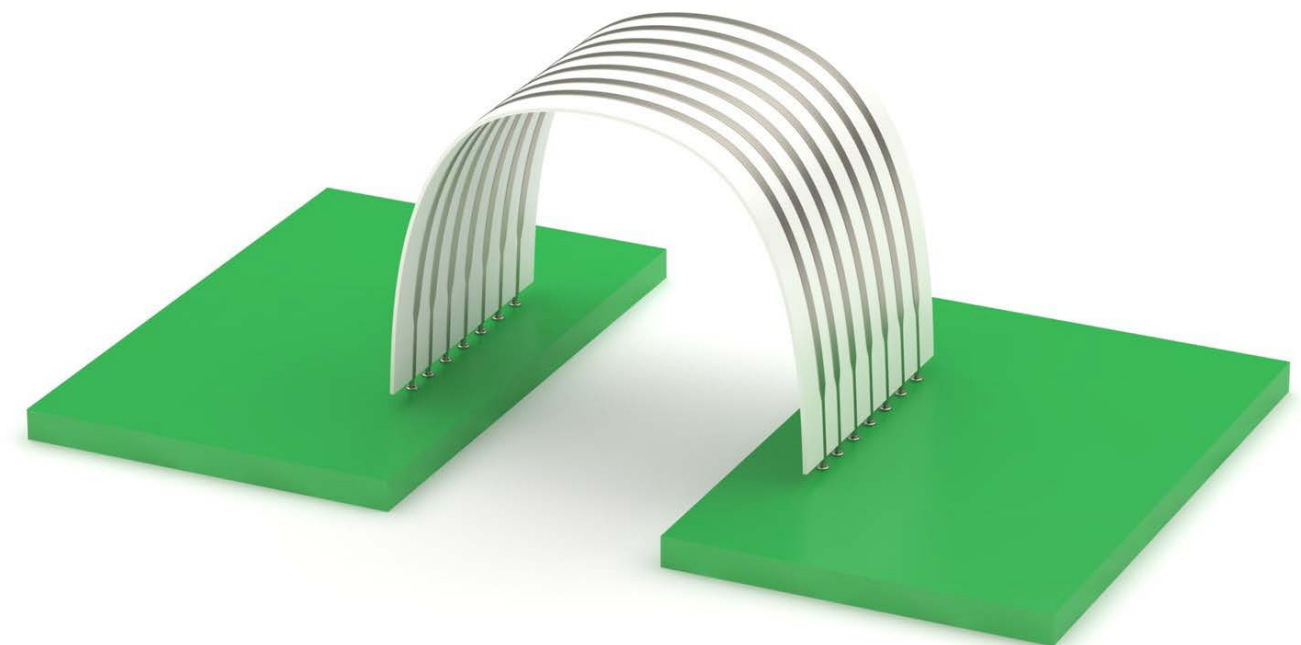
#### Temperature Rating:

Operating Temperature: 105C



Custom cables available upon request.

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
<a href="#">CA-DK05-04-101.6-A-44-88</a>	0.50mm	4	101.60mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-04-101.6-B-44-88</a>	0.50mm	4	101.60mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-04-152.4-A-44-88</a>	0.50mm	4	152.40mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-04-152.4-B-44-88</a>	0.50mm	4	152.40mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-04-50.8-A-44-88</a>	0.50mm	4	50.80mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-04-50.8-B-44-88</a>	0.50mm	4	50.80mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-12-101.6-A-44-88</a>	0.50mm	12	101.60mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-12-101.6-B-44-88</a>	0.50mm	12	101.60mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-12-152.4-A-44-88</a>	0.50mm	12	152.40mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-12-152.4-B-44-88</a>	0.50mm	12	152.40mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-12-30.0-A-44-88</a>	0.50mm	12	30.00mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-12-50.8-A-44-88</a>	0.50mm	12	50.80mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-12-50.8-B-44-88</a>	0.50mm	12	50.80mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-16-101.6-A-44-88</a>	0.50mm	16	101.60mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-16-101.6-B-44-88</a>	0.50mm	16	101.60mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-16-152.4-A-44-88</a>	0.50mm	16	152.40mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-16-152.4-B-44-88</a>	0.50mm	16	152.40mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-16-50.8-A-44-88</a>	0.50mm	16	50.80mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-16-50.8-B-44-88</a>	0.50mm	16	50.80mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-24-101.6-A-44-88</a>	0.50mm	24	101.60mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-24-101.6-B-44-88</a>	0.50mm	24	101.60mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-24-152.4-A-44-88</a>	0.50mm	24	152.40mm	Both Same Side	<a href="#">View</a>
<a href="#">CA-DK05-24-152.4-B-44-88</a>	0.50mm	24	152.40mm	One Top, One Bottom	<a href="#">View</a>
<a href="#">CA-DK05-24-50.8-A-44-88</a>	0.50mm	24	50.80mm	Both Same Side	<a href="#">View</a>



PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK05-24-50.8-B-44-88	0.50mm	24	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-30-101.6-A-44-88	0.50mm	30	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK05-30-101.6-B-44-88	0.50mm	30	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-30-152.4-A-44-88	0.50mm	30	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK05-30-152.4-B-44-88	0.50mm	30	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-30-50.8-A-44-88	0.50mm	30	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK05-30-50.8-B-44-88	0.50mm	30	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-36-101.6-A-44-88	0.50mm	36	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK05-36-101.6-B-44-88	0.50mm	36	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-36-152.4-A-44-88	0.50mm	36	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK05-36-152.4-B-44-88	0.50mm	36	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-36-50.8-A-44-88	0.50mm	36	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK05-36-50.8-B-44-88	0.50mm	36	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-40-101.6-A-44-88	0.50mm	40	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK05-40-101.6-B-44-88	0.50mm	40	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-40-152.4-A-44-88	0.50mm	40	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK05-40-152.4-B-44-88	0.50mm	40	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-40-50.8-A-44-88	0.50mm	40	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK05-40-50.8-B-44-88	0.50mm	40	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-XX-101.6-A-44-88	0.50mm		101.60mm	Both Same Side	<a href="#">View</a>
CA-DK05-XX-101.6-B-44-88	0.50mm		101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-XX-152.4-A-44-88	0.50mm		152.40mm	Both Same Side	<a href="#">View</a>
CA-DK05-XX-152.4-B-44-88	0.50mm		152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK05-XX-50.8-A-44-88	0.50mm		50.80mm	Both Same Side	<a href="#">View</a>
CA-DK05-XX-50.8-B-44-88	0.50mm		50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-04-101.6-A-44-88	1.00mm	4	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-04-101.6-B-44-88	1.00mm	4	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-04-152.4-A-44-88	1.00mm	4	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-04-152.4-B-44-88	1.00mm	4	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-04-50.8-A-44-88	1.00mm	4	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-04-50.8-B-44-88	1.00mm	4	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-05-101.6-A-44-88	1.00mm	5	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-08-101.6-A-44-88	1.00mm	8	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-12-101.6-A-44-88	1.00mm	12	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-12-101.6-B-44-88	1.00mm	12	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-12-152.4-A-44-88	1.00mm	12	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-12-152.4-B-44-88	1.00mm	12	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-12-50.8-A-44-88	1.00mm	12	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-12-50.8-B-44-88	1.00mm	12	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-16-101.6-A-44-88	1.00mm	16	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-16-101.6-B-44-88	1.00mm	16	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-16-152.4-A-44-88	1.00mm	16	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-16-152.4-B-44-88	1.00mm	16	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-16-50.8-A-44-88	1.00mm	16	50.80mm	Both Same Side	<a href="#">View</a>

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK10-16-50.8-B-44-88	1.00mm	16	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-24-101.6-A-44-88	1.00mm	24	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-24-101.6-B-44-88	1.00mm	24	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-24-152.4-A-44-88	1.00mm	24	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-24-152.4-B-44-88	1.00mm	24	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-24-50.8-A-44-88	1.00mm	24	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-24-50.8-B-44-88	1.00mm	24	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-30-101.6-A-44-88	1.00mm	30	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-30-101.6-B-44-88	1.00mm	30	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-30-152.4-A-44-88	1.00mm	30	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-30-152.4-B-44-88	1.00mm	30	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-30-50.8-A-44-88	1.00mm	30	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-30-50.8-B-44-88	1.00mm	30	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-36-101.6-A-44-88	1.00mm	36	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-36-101.6-B-44-88	1.00mm	36	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-36-152.4-A-44-88	1.00mm	36	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-36-152.4-B-44-88	1.00mm	36	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-36-50.8-A-44-88	1.00mm	36	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-36-50.8-B-44-88	1.00mm	36	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-40-101.6-A-44-88	1.00mm	40	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-40-101.6-B-44-88	1.00mm	40	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-40-152.4-A-44-88	1.00mm	40	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-40-152.4-B-44-88	1.00mm	40	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-40-50.8-A-44-88	1.00mm	40	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-40-50.8-B-44-88	1.00mm	40	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-XX-101.6-A-44-88	1.00mm		101.60mm	Both Same Side	<a href="#">View</a>
CA-DK10-XX-101.6-B-44-88	1.00mm		101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-XX-152.4-A-44-88	1.00mm		152.40mm	Both Same Side	<a href="#">View</a>
CA-DK10-XX-152.4-B-44-88	1.00mm		152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK10-XX-50.8-A-44-88	1.00mm		50.80mm	Both Same Side	<a href="#">View</a>
CA-DK10-XX-50.8-B-44-88	1.00mm		50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-04-101.6-A-44-88	1.25mm	4	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-04-101.6-B-44-88	1.25mm	4	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-04-152.4-A-44-88	1.25mm	4	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-04-152.4-B-44-88	1.25mm	4	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-04-50.8-A-44-88	1.25mm	4	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-04-50.8-B-44-88	1.25mm	4	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-12-101.6-A-44-88	1.25mm	12	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-12-101.6-B-44-88	1.25mm	12	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-12-152.4-A-44-88	1.25mm	12	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-12-152.4-B-44-88	1.25mm	12	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-12-50.8-A-44-88	1.25mm	12	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-12-50.8-B-44-88	1.25mm	12	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-16-101.6-A-44-88	1.25mm	16	101.60mm	Both Same Side	<a href="#">View</a>

PART NUMBER	PITCH	POSITIONS	LENGTH	CONTACTS LOCATION	PRODUCT DATA
CA-DK125-16-101.6-B-44-88	1.25mm	16	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-16-152.4-A-44-88	1.25mm	16	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-16-152.4-B-44-88	1.25mm	16	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-16-50.8-A-44-88	1.25mm	16	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-16-50.8-B-44-88	1.25mm	16	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-24-101.6-A-44-88	1.25mm	24	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-24-101.6-B-44-88	1.25mm	24	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-24-152.4-A-44-88	1.25mm	24	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-24-152.4-B-44-88	1.25mm	24	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-24-50.8-A-44-88	1.25mm	24	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-24-50.8-B-44-88	1.25mm	24	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-30-101.6-A-44-88	1.25mm	30	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-30-101.6-B-44-88	1.25mm	30	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-30-152.4-A-44-88	1.25mm	30	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-30-152.4-B-44-88	1.25mm	30	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-30-50.8-A-44-88	1.25mm	30	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-30-50.8-B-44-88	1.25mm	30	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-36-101.6-A-44-88	1.25mm	36	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-36-101.6-B-44-88	1.25mm	36	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-36-152.4-A-44-88	1.25mm	36	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-36-152.4-B-44-88	1.25mm	36	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-36-50.8-A-44-88	1.25mm	36	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-36-50.8-B-44-88	1.25mm	36	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-40-101.6-A-44-88	1.25mm	40	101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-40-101.6-B-44-88	1.25mm	40	101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-40-152.4-A-44-88	1.25mm	40	152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-40-152.4-B-44-88	1.25mm	40	152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-40-50.8-A-44-88	1.25mm	40	50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-40-50.8-B-44-88	1.25mm	40	50.80mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-XX-101.6-A-44-88	1.25mm		101.60mm	Both Same Side	<a href="#">View</a>
CA-DK125-XX-101.6-B-44-88	1.25mm		101.60mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-XX-152.4-A-44-88	1.25mm		152.40mm	Both Same Side	<a href="#">View</a>
CA-DK125-XX-152.4-B-44-88	1.25mm		152.40mm	One Top, One Bottom	<a href="#">View</a>
CA-DK125-XX-50.8-A-44-88	1.25mm		50.80mm	Both Same Side	<a href="#">View</a>
CA-DK125-XX-50.8-B-44-88	1.25mm		50.80mm	One Top, One Bottom	<a href="#">View</a>

Adam Tech Small Form Factor Pluggable Connectors and Cages are a popular interface for telecommunications and data communications applications. Our 20 position surface mount connector interfaces to both fiber optic and copper networking modules. Our cages are manufactured in single port and multiport configurations. All of our cages are available in both press fit and through hole mounting.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Industry standard compatibility
- Alignment posts on SMT connector allow for PC board stability
- Standoffs allow for easy board cleaning
- Single, stacked or ganged cages
- Cages have multiple ground points for EMI shielding

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

- SMT Connector: Insulator: High temperature thermoplastic

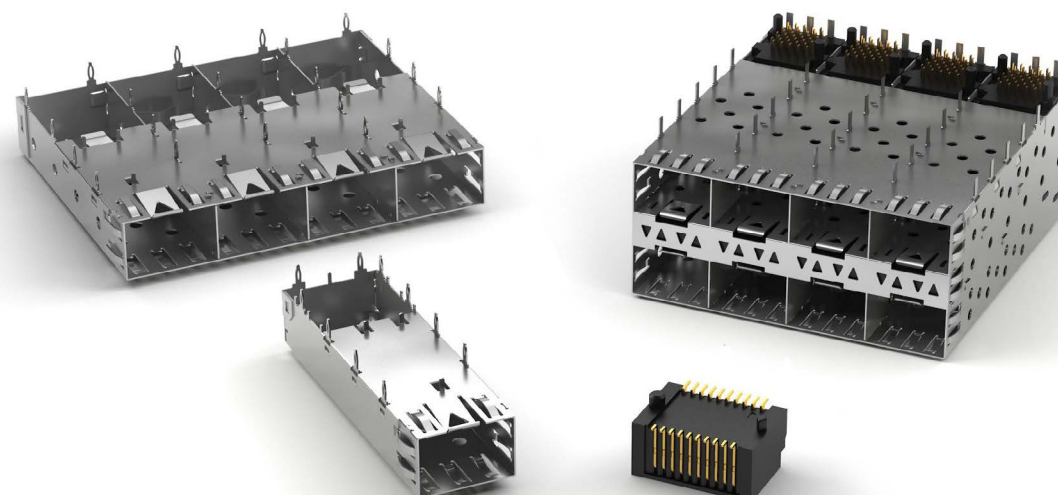
Contacts: Phosphor Bronze  
 Plating: Gold over nickel underplate  
 Cage: Nickel plated copper alloy

#### Electrical:

SMT Connector:  
 Operating voltage: 100VAC max  
 Current rating: 1 Amp max  
 Contact resistance: 40 ohms max  
 Insulation resistance: 1000 Mohms min  
 Dielectric withstanding voltage: 500 VAC for 1 minute

#### Temperature Rating:

Operating temperature: -40°C to +85°C  
 Soldering temperature: 260°C for 5 seconds



PART NUMBER	TYPE	CONNECTOR + CAGE COMBO	CAGE	CONNECTOR	PRODUCT DATA
SFC-1-EMI			1 Port		<a href="#">View</a>
SFC-1-ST			1 Port		<a href="#">View</a>
SFC-1A-LP-PF			1 Port		<a href="#">View</a>
SFC-2-A			2 Port		<a href="#">View</a>
SFC-2-A-EMI			2 Port		<a href="#">View</a>
SFC-2-CS1-PF					<a href="#">View</a>
SFC-2-CS2-PF			2 Port		<a href="#">View</a>
SFC-4-EMI					<a href="#">View</a>
SFC-4-LP			4 Port		<a href="#">View</a>
SFC-4-LP-EMI			4 Port		<a href="#">View</a>
SFC-4-ST-EMI-GT			4 Port		<a href="#">View</a>
SFC-6-LP-EMI			6 Port		<a href="#">View</a>
SFCJ-1		1 Port			<a href="#">View</a>
SFCJ-12		12 Port			<a href="#">View</a>
SFCJ-4A-LPX		4 Port			<a href="#">View</a>
SFCJ-8		8 Port			<a href="#">View</a>
SFF-20-SG-15				1 Port	<a href="#">View</a>
SFF-20-SG-30				1 Port	<a href="#">View</a>
SFF-20-SG-A				1 Port	<a href="#">View</a>
SFF-20-SG-A-30				1 Port	<a href="#">View</a>
XFC-1-CS1-EMI	XFP		1 Port		<a href="#">View</a>
XFC-1-CS1-EMI-PF-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS2-EMI-PF-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS2A-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS3-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS4-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS5-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS6-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-CS7-EMI-HSK	XFP		1 Port		<a href="#">View</a>
XFC-1-EMI-PF-HSK-C	XFP		1 Port		<a href="#">View</a>
XFF-30-MSG-15-TR	XFP			1 Port	<a href="#">View</a>
XFF-30-MSG-30-TR	XFP			1 Port	<a href="#">View</a>

### SINGLE ROW CAGE PART NUMBER CONFIGURATION

SFC	-	1	-	LP
SERIES		NO. OF PORTS		OPTIONS
SFC = Small Form Factor Cage		1 thru 8		Add designator(s) to end of part number LP = External light pipe EMI = Additional EMI clip PF = Press Fit pins HSK = Heat Sink Type

### STACKED ASSEMBLY PART NUMBER CONFIGURATION

SFCJ	-	8	-	LP1
SERIES		CONFIGURATION		OPTIONS
SFCJ = Small Form Factor Cage Assembly		2 = 2 X 1 Ports 4 = 2 X 2 Ports 8 = 2 X 4 Ports 12 = 2 X 6 Ports		Add designator(s) to end of part number LP1 = Inner light pipe LP2 = Outer light pipe LP3 = Inner & outer light pipes EMI = Additional EMI clip PF = Press Fit pins GT = Front EMI Gasket PDG

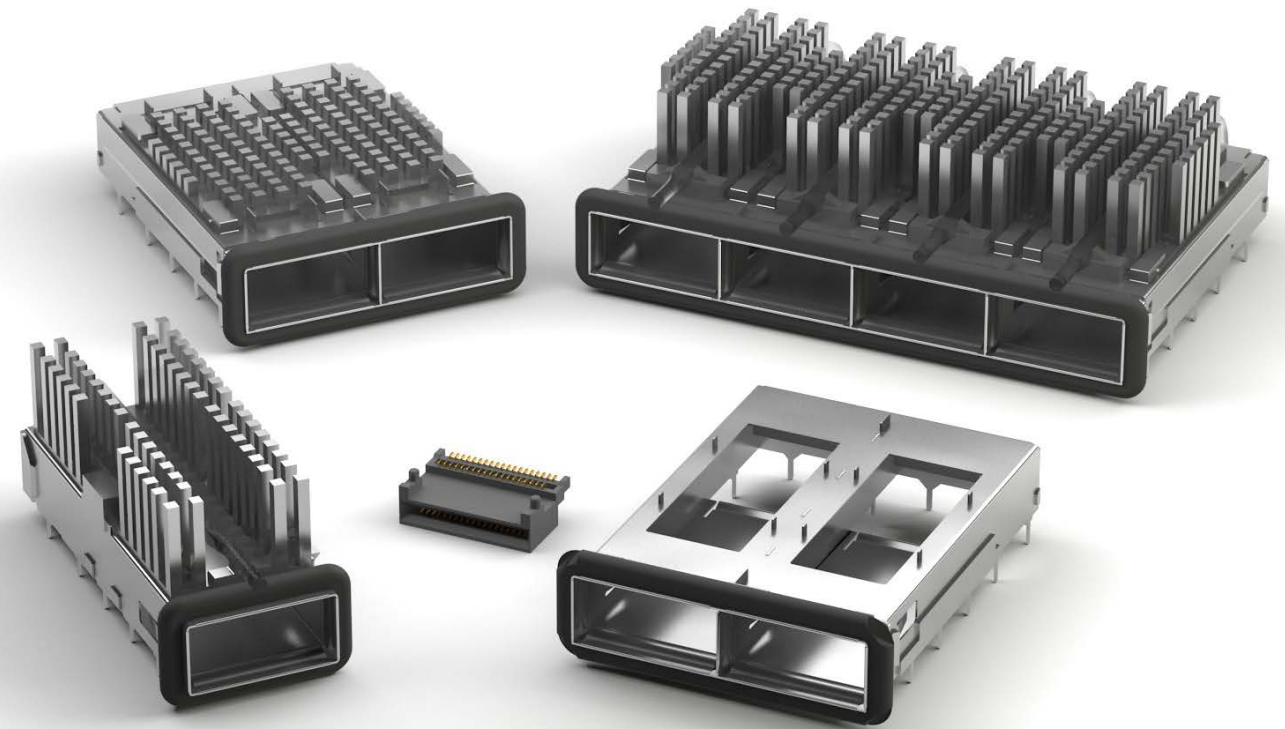


### QUAD PLUGGABLE PART NUMBER CONFIGURATION

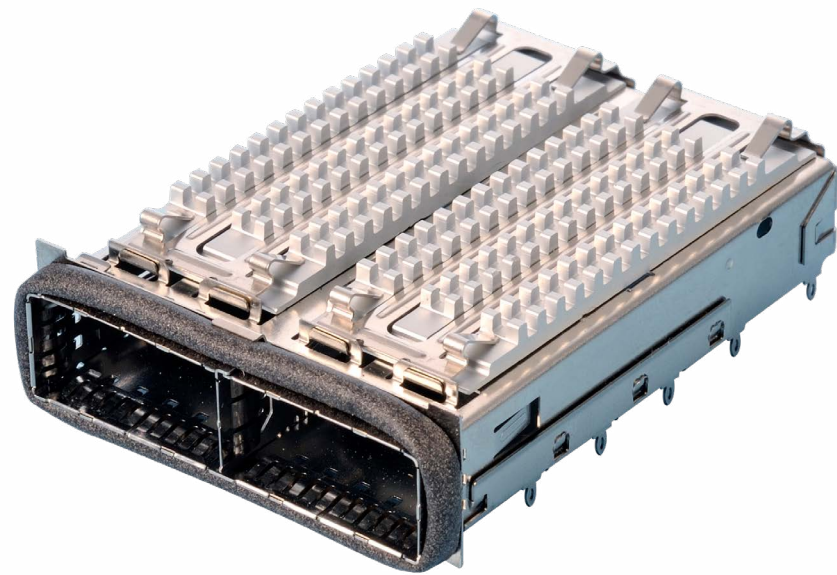
QSFP	-	A	-	LP
SERIES		TYPE		OPTIONS
<b>QSFP</b> = Quad Small Form-factor Pluggable		<b>A</b> = QSFP-1x1 <b>B</b> = QSFP28 <b>DD</b> = QSFP DD		Add designator(s) to end of part number <b>LP</b> = External light pipe <b>EMI</b> = Additional EMI clip <b>PF</b> = Press Fit pins <b>HSK</b> = Heat Sink Type <b>EG</b> = Elastomer Gasket

### QUAD CAGE PART NUMBER CONFIGURATION

QSFC	-	A
SERIES		TYPE
<b>QSFC</b> = Quad Small Form-factor Cage		<b>A</b> = QSFP+ CAGE <b>B</b> = QSFP28 CAGE



PART NUMBER	CAGE	PRODUCT DATA
<a href="#">QSFC1-EG-X</a>	1 Port - with EMI Gasket & Options	<a href="#">View</a>
<a href="#">QSFC1-ES-X</a>	1 Port - with EMI Springs & Options	<a href="#">View</a>
<a href="#">QSFC2-EG-X</a>	2 Port - with EMI Gasket & Options	<a href="#">View</a>
<a href="#">QSFC4-EG-X</a>	4 Port - with EMI Gasket & Options	<a href="#">View</a>
<a href="#">QSFC6-HS-DLP-X</a>	6 Port - with Heat Sink, Dual Light Pipe & Options	<a href="#">View</a>
<a href="#">QSFC6-HS-LP-X</a>	6 Port - with Heat Sink, Single Light Pipe & Options	<a href="#">View</a>
<a href="#">QSFC6-HS-NLP-X</a>	6 Port - with Heat Sink, No Light Pipe & Options	<a href="#">View</a>

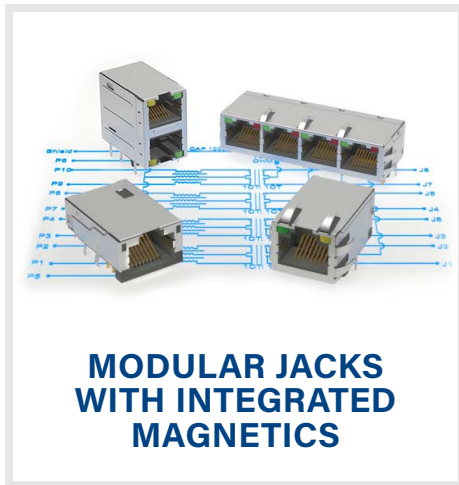


## CASE STUDY



QSFP connectors and cages can be found at the back of network devices, such as routers. They connect the router to a fiber optic channel.

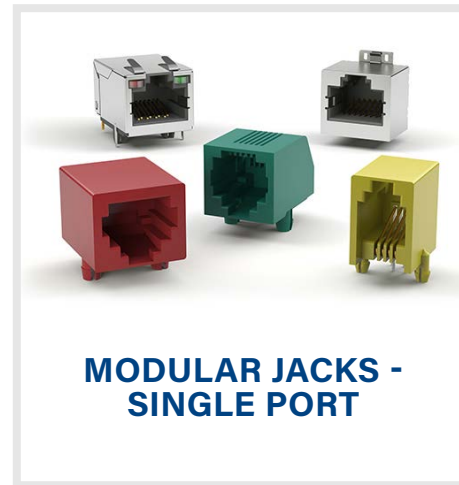
Adam Tech Modular Jacks are a complete line of PCB and wire led jacks which are UL and CSA approved and meet all required FCC rules and regulations. Adam Tech offers a multitude of sizes (4P2C thru 10P10C) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.



**MODULAR JACKS WITH INTEGRATED MAGNETICS**



**HIGH SPEED JACKS - CAPABLE OF 1GB-10GB**



**MODULAR JACKS - SINGLE PORT**



**MODULAR JACKS - MULTI PORT**



**MODULAR PLUGS**



**MODULAR JACKS - KEYSTONE STYLE**



**MODULAR JACKS WITH WIRE LEADS**



**MODULAR JACKS WITH USB**



**RJ45 COUPLERS & ADAPTERS**



# Modular Jacks, Plugs, Adapters & Couplers

MODULAR JACKS WITH INTEGRATED MAGNETICS

Adam Tech RJ-45 connectors with integrated magnetics are designed to support Base 10, 100 and 1000-T applications such as hubs, routers, ADSL modems, and ATM transmission equipment. The integrated magnetics allows the design engineer to save PC board real-estate and lower the total part count per system. This series meets all applicable specifications for CAT 5, 5e, 6 and IEEE 802.3. The USB model meets all applicable USB 2.0 specifications. All configurations are available with optional LED's.

## FEATURES & SPECIFICATIONS

### FEATURES:

Single, stacked and ganged configurations available  
All products have a full metal shield to guard against electromagnetic interference. Hi-Temp option available  
All products are fully lead free and RoHS compliant

### MATING PLUGS:

Adam Tech modular telephone plugs and all industry standard telephone plugs.

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass filled, rated UL94V-0  
Insulator Color: Black  
Contacts: Phosphor Bronze or Brass  
Shield: Copper Alloy, Nickel or Tin plated

#### Contact Plating:

Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.

#### Electrical:

Operating Voltage: 150V AC  
Current Rating: 1.5 Amps Max.  
Contact Resistance: 20 mΩ Max.  
Insulation Resistance: 500 MΩ Min.  
Dielectric Withstanding Voltage: 1500V AC for 1 Minute  
DC resistance: 1.2 Ohms Max.  
Interwinding capacitance: 35pF @ 1MHz  
Insertion loss: 100KHz to 80MHz = -1.1dB Min.  
Return loss: 1MHz to 30MHz = -18dB Min.  
30MHz to 80MHz = -12dB Min.

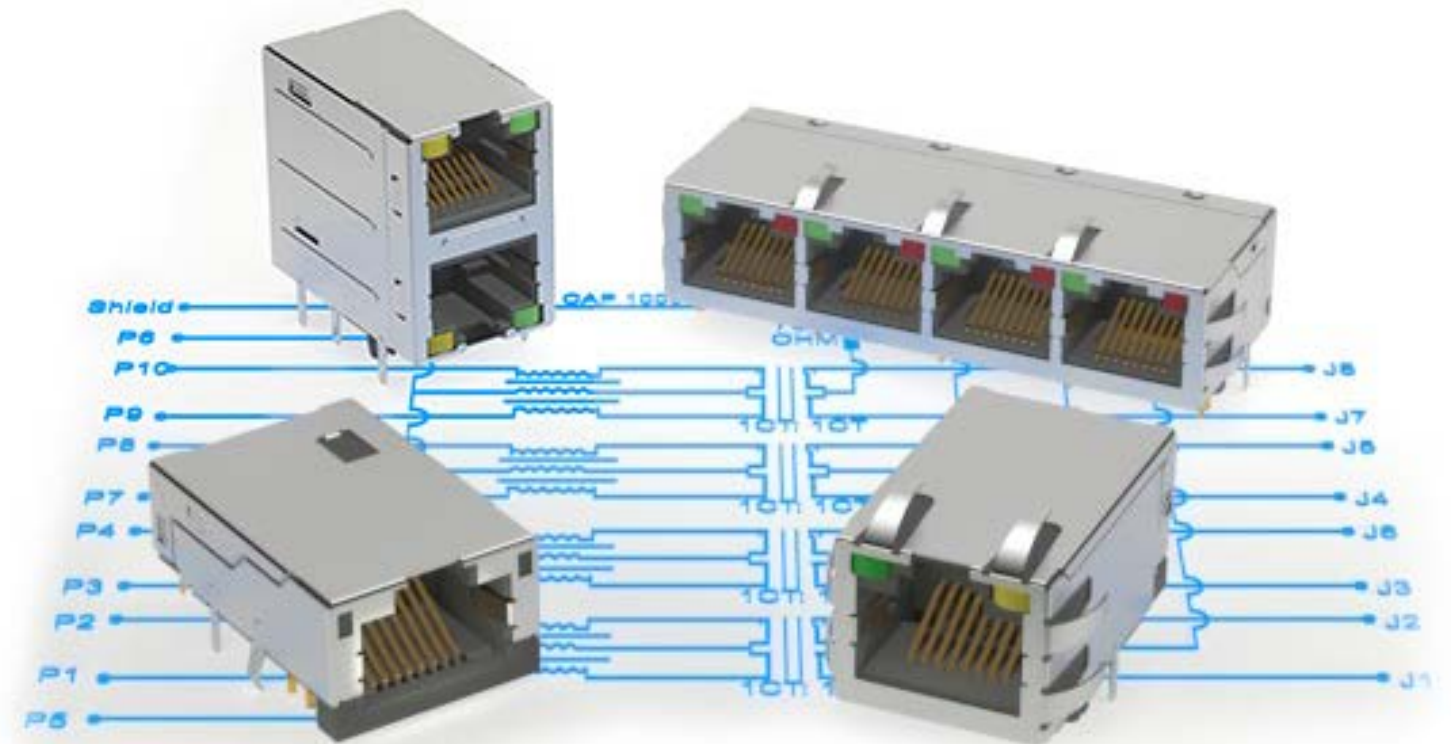
Rise time: 30nS Max.  
Cross talk: 1MHz to 100MHz = 40dB TYP.  
Common to Common mode Attenuation: 35dB TYP.

### MECHANICAL:

Insertion force: 8 Contacts: 22.5N  
10 Contacts: 24.5N

### TEMPERATURE RATING:

Operation Temperature: -40°C ~ +85°C



JACKS WITH INTEGRATED MAGNETICS & LEDS PART NUMBER CONFIGURATION														
MTJ	-	8	8	C	X	1	-	FSD	-	LD	-	M5	-	PG
SERIES		HOUSING PLUG SIZE	NO. OF CONTACT POSITIONS FILLED	HOUSING TYPE	PLATING	BODY COLOR	SHIELD PIN LOCATION FSD OR FSP	LED	TRANSFORMER M1 THRU M20	OPTIONS:				
MTJ = Modular Telephone Jack		8 or 10	8 or 10	C = Tab Up, Extended Body S = Tab Up, Standard Body T = Tab Down, Short Body	X = Gold Flash 0 = 15 μin gold 1 = 30 μin gold 2 = 50 μin gold	1 = Black	(See Shield Pin Option Chart on page 44)	BLANK = if none LX = Led Color RLX = Led with Resistor	(See page 44-45) Consult Factory for transformer types not shown	Add designator(s) to end of part number PG = Panel ground tabs				

GANGED JACKS WITH INTEGRATED MAGNETICS & LEDS PART NUMBER CONFIGURATION																
MTJG	-	4	-	8	8	T	X	1	-	FSD	-	LD	-	M5	-	PG
SERIES		NO. OF PORTS		HOUSING PLUG SIZE	NO. OF CONTACT POSITIONS FILLED	HOUSING TYPE	PLATING	BODY COLOR	SHIELD PIN LOCATION FSD THRU FSH	LED	TRANSFORMER M1 THRU M20	OPTIONS:				
MTJG = Magnetics Ganged Jack		2 thru 8		8 or 10	8 or 10	T or J	X = Gold Flash 0 = 15 μin gold 1 = 30 μin gold 2 = 50 μin gold	1 = Black	(See Shield Pin Option Chart on page 44)	BLANK = if none LX = Led Color RLX = Led with Resistor	(See page 44-45) Consult Factory for transformer types not shown	Add designator(s) to end of part number PG = Panel ground tabs				

# Modular Jacks, Plugs, Adapters & Couplers

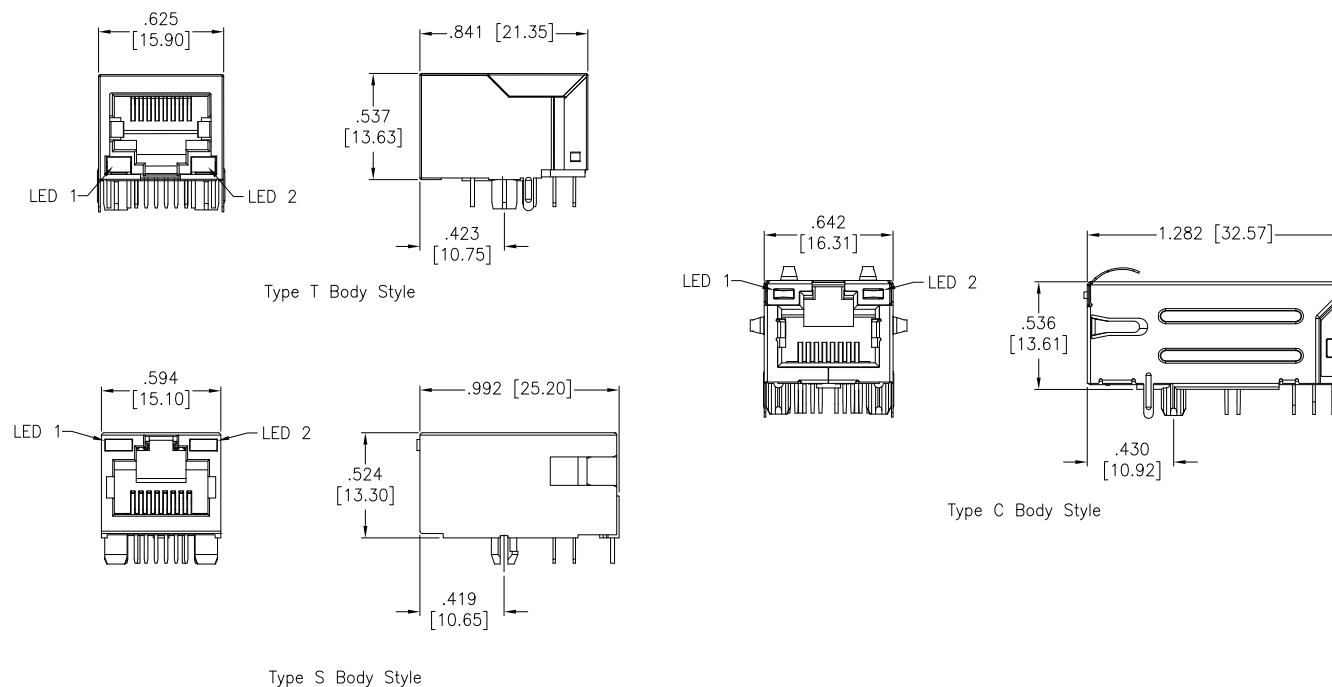
MODULAR JACKS WITH INTEGRATED MAGNETICS



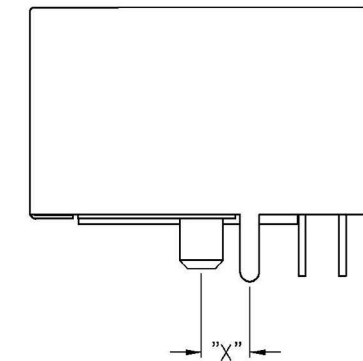
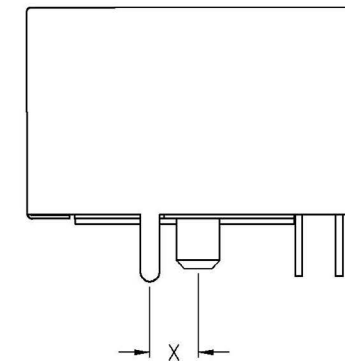
PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">MTJ-88AXI-FSN-LG-M21Y</a>	8/8	Type A - Top Entry	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88AXI-FSN-LH-M4S</a>	8/8	Type A - Top Entry	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88AXI-FSN-LHI-M5C</a>	8/8	Type A - Top Entry	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SUXI-FS-PG-VL28-M49C</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SUXI-FS-VL28-M186C-WOT</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-FSD-PG-L35-M357Y</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-FSD-PG-LV-M66D</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-FSP-PG-LG-M7Y</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-LH-M204-HT</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-LH-M302</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88SXI-LH-M5D-HT</a>	8/8	Type S - Tab Up & Top Leds, Standard Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TUXI-FSD-PG-VLGI-M4C</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TUXI-FSD-VL5-M236Y-HT</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TUXI-FSD-VL5-M236Y-HT-TR</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TVXI-FSJ-LG-M149</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TVXI-FSJ-LG-M75C-WOT</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FS-M4-SMT</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	<a href="#">View</a>

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">MTJ-88TXI-FS-M4T-SMT</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	<a href="#">View</a>
<a href="#">MTJ-88TXI-FS-M4Y-SMT</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	"Right Angle, Surface Mount"	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-DILG-M224Y</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-LHI-M47C1</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-M4</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-DILD-M4</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-DILH-M4C</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-DILH-M81</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-LG-M4</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-LH-M4</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSD-PG-LH-M5</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TXI-FSP-PG-LG-M4</a>	8/8	Type T - Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-DUSB-88JXI-FS-L29-M339Y</a>	8/8		Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-DUSB-88JXI-FS-RL35-M86C</a>	8/8		Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-USB-88JXI-FS-PG-LH-M41C</a>	8/8		Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-USB-88JXI-FS-PG-LH-M49Y</a>	8/8		Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-USB-88JXI-FS-PG-LL-M41</a>	8/8		Right Angle, Through Hole	<a href="#">View</a>

PART NUMBER	BODY TYPE	PRODUCT DATA
<a href="#">MTJG-2-88JXI-V-FSG-L36-M268Y</a>	Type J - Stacked	<a href="#">View</a>
<a href="#">MTJG-2-88TUXI-FSD-PG-VLG-M5C</a>	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	<a href="#">View</a>
<a href="#">MTJG-2-88TXI-FSD-PG-LH-M4</a>	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	<a href="#">View</a>
<a href="#">MTJG-2-88TXI-FSD-PG-LH-NRSP-M47C</a>	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	<a href="#">View</a>
<a href="#">MTJG-4-88TXI-FSD-PG-LH-M4C</a>	Type T - Tab Down, Short Body Magnetics & Leds 2, 4 & 5 Ports Ganged	<a href="#">View</a>
<a href="#">MTJG-8-88JXI-V-FSG-PG-L16-M310C</a>	Type J - Stacked	<a href="#">View</a>



## SHIELD PIN OPTIONS



### SHIELD PIN OPTION X

- FSA = .170" [4.32mm]
- FSB = .144" [3.66mm]
- FSC = Surface mount Type C
- FSE = .120" [3.05mm]
- FSG = .180" [4.57mm]
- FSL = .179" [4.57mm]
- FSP = .125" [3.17mm]
- FST = .185" [4.69mm]
- FSU = .123" [3.13mm]
- FSV = .171" [4.35mm]
- FS2 = .136" [3.46mm]
- FS4 = .098" [2.49mm]
- FS5 = .162" [4.11mm]

### SHIELD PIN OPTION "X"

- FSD = .120" [3.05mm]
- FSH = .280" [7.11mm]
- FSI = .157" [4.00mm]
- FSJ = .150" [3.81mm]
- FSK = .216" [5.50mm]
- FSM = .135" [3.43mm] (Type AR)
- FSN = .152" [3.85mm]
- FSQ = .167" [4.24mm] (Type AS)
- FSR = .144" [3.65mm]
- FSS = .267" [6.80mm]
- FSW = .137" [3.50mm]
- FSY = .116" [2.95mm]
- FSZ = .124" [3.15mm]
- FS3 = .108" [2.75mm]
- FS6 = .299" [7.60mm]
- FS7 = .252" [6.40mm]



# Modular Jacks, Plugs, Adapters & Couplers

HIGH SPEED JACKS - CAPABLE OF 1GB-10GB



Adam Tech's High Speed RJ45 Jacks are a complete line of RJ45 connectors designed to support 1GB-10GB performance. They are built to meet Category 5e, 6, or 6a performance according to TIA/EIA 568-C-2. These jacks support all Gigabyte and Ethernet Protocols. Versions include metal shielding for EMI protection with ground peg location options, ground fingers and LED's for link/activity indication and network speed verification. Adam Tech RJ45 jacks are compliant to FCC standards and are UL recognized.

## FEATURES & SPECIFICATIONS

### FEATURES:

- 8P8C
- 1 and 2 ports
- Speeds: 1G, 2.5G, 5G, and 10G Base-T
- Cable compatibility: Cat 5e, Cat 6, and Cat 6a
- Shielded
- Integrated magnetics
- Integrated LEDs
- High-temp thermoplastic insulator, UL 94V-0
- UL certified

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

### SPECIFICATIONS:

#### Material:

- Insulator: Thermoplastic
- Contacts: Phosphor bronze or copper alloy
- Shield: Brass, nickel plated; or stainless steel

#### Contact Plating:

Round contacts: Gold over nickel underplate overall  
Flat contacts: Gold over nickel underplate on contact area, tin over nickel underplate on solder tails

#### Electrical:

Operating voltage range: 125 to 150V A  
Current rating range: 0.1 to 1.5 Amps  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 500 to 2250V DC for 1 minute

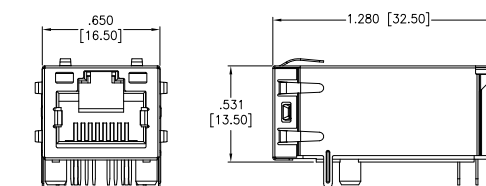
#### TEMPERATURE RATING:

Operating temperature range: -40°C to +85°C

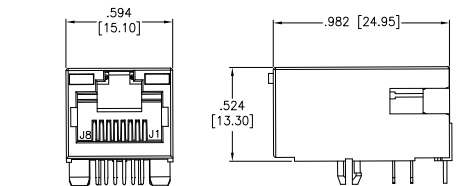


PART NUMBER	STYLE	CONTACT POSITIONS / CONTACTS FILLED	MOUNTING ORIENTATION	MAGNETICS	SPEED	BODY TYPE	PRODUCT DATA
MTJ-88AGXI-FS-PG-VL38-M368C	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJ-88AGXI-FS-VLG-M374C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		<a href="#">View</a>
MTJ-88AXI-FS-TSMT-P-L5-M398AC-WOT-KT	Single Port	8/8	Vertical, Surface Mount	Yes	1G (CAT 5e)	Tab Up, Top LED's, Standard Body, 1000M Base-T	<a href="#">View</a>
MTJ-88AXI-FS-TSMT-P-L5-M398CH-WOT-KT	Single Port	8/8	Vertical, Surface Mount	Yes	2.5G (CAT 5e)	Tab Up, Top LED's, Standard Body, 2.5G Base-T	<a href="#">View</a>
MTJ-88BAXI-FS-PG-LG-M236C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		<a href="#">View</a>
MTJ-88BAXI-FS-PG-LG-M383C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		<a href="#">View</a>
MTJ-88CEXI-FS-PG-VL38-M315C-HF	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJ-88NXI-FS-PG-L38-M367C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJ-88NXI-FS-PG-L38-M369C	Single Port	8/8	Right Angle, Through Hole	Yes	2.5G (CAT 5e)		<a href="#">View</a>
MTJ-88SUXI-FS-M245C-HT-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJ-88SUXI-FS-PG-LG-M245C	Single Port	8/8	Right Angle, Through Hole	Yes	5G (CAT 6)		<a href="#">View</a>
MTJ-88SUXI-FS-PG-VL41-M245C-WOT	Single Port	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJ-88TUXI-FS2-PG2T-L19-C6A-HT	Single Port	8/8	Right Angle, Through Hole	No	10G (CAT 6a)		<a href="#">View</a>
MTJ-88TUXI-FS2-PG2T-L5-C5E-HT	Single Port	8/8	Right Angle, Through Hole		2.5G (CAT 5e)		<a href="#">View</a>
MTJ-88TUXI-FS2-PG2T-L5-C6A-HT	Single Port	8/8	Right Angle, Through Hole		10G (CAT 6a)		<a href="#">View</a>
MTJG-2-88CAXI-FS5-PG-M328C	1x2	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>
MTJG-2-88CEXI-FS-PG-WLP-M370C-HT	1x2	8/8	Right Angle, Through Hole	Yes	10G (CAT 6a)		<a href="#">View</a>

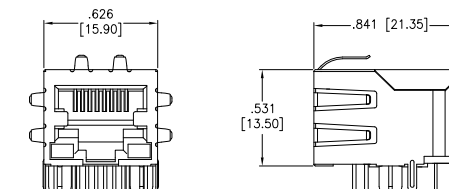
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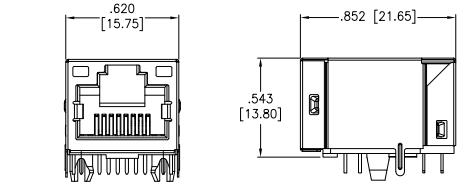
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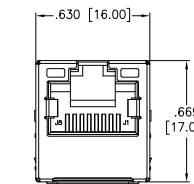
### HOUSING TYPE T



### HOUSING TYPE TU



### HOUSING TYPE A



# Modular Jacks, Plugs, Adapters & Couplers

## MODULAR JACKS - SINGLE PORT

Adam Tech Modular Jacks are a complete line of PCB and wire leaded jacks which are UL approved and meet all required FCC rules and regulations. Adam Tech offers a multitude of sizes (4P2C thru 10P10C) with styles including single, ganged and stacked versions with options of ferrite or magnetic filtering and or metal shielding. Jacks with integral LED's and combination hybrids such as MTJ/USB jacks are also available. These jacks are available in thru-hole or SMT mounting.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- UL 1863 recognized versions
- FCC compliant to No. 47 CFR part 68
- Magnetic and Ferrite filtered types
- 4,6,8 and 10 positions available
- Single, stacked or ganged
- Hi-Temp and LED options
- Unshielded or Metal Shielded
- Thru-Hole or SMT mounting
- Cat. 5 & 5e ANSI/TIA/EIA 568.2

#### MATING PLUGS:

Adam Tech modular plugs and all industry standard telephone plugs.

#### Packaging:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

#### SPECIFICATIONS:

Material:  
 Standard Insulator: PBT, or ABS, rated UL94V-0  
 Optional Hi-Temp Insulator: Nylon 6T rated UL94V-0  
 Insulator Colors: Black or medium gray  
 Contacts: Phosphor Bronze  
 Shield: Phosphor Bronze, Nickel plated

#### Contact Plating:

Flat contacts: Gold over Nickel underplate on contact area, Tin over Copper underplate on solder tails.  
 Round contacts: Gold over Nickel underplate overall

#### Electrical:

Operating voltage: 150V AC max.  
 Current rating: 1.5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force:  
 4 contacts: 17.6N  
 6 contacts: 20.6N  
 8 contacts: 22.5N  
 10 contacts: 24.5N

#### Durability:

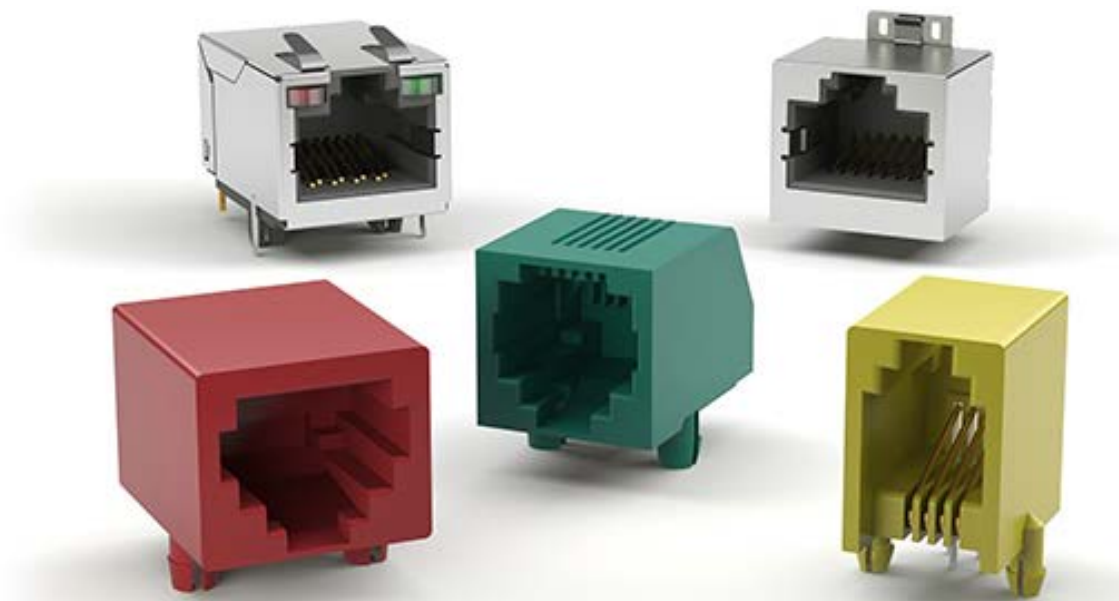
500 Cycles

#### Temperature Rating:

Operating temperature: -40°C to +85°C

#### Soldering process temperature:

Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



### PART NUMBER CONFIGURATION

MTJ	-	6	-	4	-	0	-	2	-	1	-	S
SERIES		HOUSING PLUG SIZE		NO. OF CONTACT POSITIONS FILLED		HOUSING TYPE		PLATING		BODY COLOR		OPTIONS:
MTJ = Modular Telephone Jack		4, 6, 8 or 10		2, 4, 6, 8 or 10		0, 1, 2, 2B, 2C, 3, 5, 7, 9, A, E, F, G, H, K, M, T, V, W, WA, WB, Y, Q		X = Gold Flash over Nickel underplate Consult factory for additional plating options		1 = Black 2 = Gray		See below

#### OPTIONS:

Add designator(s) to end of part number  
**S** = Face shielded jack (Body type 0 only)  
**FSX** = Full metal shield ((See Shield Pin Option Chart on page 44))  
**SMT** = Surface mount tails, housings 0, 5, 9, G & W with Hi-Temp insulator  
**N** = No panel stops (Types: 1, 0, 2, 3, D)  
**K** = Keyed telephone jack  
**HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)  
**PG** = Panel ground tabs  
**KT** = Kapton Tape pickup when applicable

# Modular Jacks, Plugs, Adapters & Couplers

## MODULAR JACKS - SINGLE PORT



PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-442BX2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-442CX2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-442X2	4/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-443X1	4/4	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	<a href="#">View</a>
MTJ-445X1	4/4	460" Height, Side Entry - Type 5	Right Angle, Through Hole	<a href="#">View</a>
MTJ-447X1	4/4	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	<a href="#">View</a>
MTJ-44HX1	4/4	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	<a href="#">View</a>
MTJ-44VX1-SMT	4/4	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	<a href="#">View</a>
MTJ-623X1-N-HT-P355C-A	6/2	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	<a href="#">View</a>
MTJ-640X1	6/4	498" Height, Side Entry - Type 0	Right Angle, Through Hole	<a href="#">View</a>
MTJ-641X1	6/4	.622" Height, Side Entry - Type 1	Right Angle, Through Hole	<a href="#">View</a>
MTJ-642BX2	6/4	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-643X1	6/4	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	<a href="#">View</a>
MTJ-645X1	6/4	460" Height, Side Entry - Type 5	Right Angle, Through Hole	<a href="#">View</a>
MTJ-647X1	6/4	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	<a href="#">View</a>
MTJ-649X1	6/4	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	<a href="#">View</a>
MTJ-64FX1	6/4	Top Entry, Enclosed Body - Type F	Vertical, Through Hole	<a href="#">View</a>
MTJ-64HX1	6/4	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	<a href="#">View</a>
MTJ-64WAX1	6/4	453" Height, Side Entry, Smt - Type W	Right Angle, Surface Mount	<a href="#">View</a>
MTJ-64WBX1	6/4	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	<a href="#">View</a>
MTJ-64YX1	6/4	Internal Shield Low Profile Smt- Type Y	Right Angle, Surface Mount	<a href="#">View</a>
MTJ-660X1	6/6	498" Height, Side Entry - Type 0	Right Angle, Through Hole	<a href="#">View</a>
MTJ-661X1	6/6	622" Height, Side Entry - Type 1	Right Angle, Through Hole	<a href="#">View</a>
MTJ-662BX2	6/6	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-662X2	6/6	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-663X1	6/6	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	<a href="#">View</a>
MTJ-665X1	6/6	460" Height, Side Entry - Type 5	Right Angle, Through Hole	<a href="#">View</a>
MTJ-667X1	6/6	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	<a href="#">View</a>
MTJ-669X1	6/6	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66ARX1	6/6	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66EX1	6/6	.551" Height, Side Entry - Type E	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66FX1	6/6	Top Entry, Enclosed Body - Type F	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66GX1	6/6	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66HX1	6/6	.504" Height, Top Entry, Smt - Type H	Vertical, Surface Mount	<a href="#">View</a>
MTJ-66KX1	6/6	.626" Height, Top Entry, Smt - Type K	Vertical, Surface Mount	<a href="#">View</a>
MTJ-66VX1-SMT	6/6	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	<a href="#">View</a>
MTJ-66WAX1	6/6	.472" Height, Thru Hole & Smt - Type W	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66WBX1	6/6	.472" Height, Thru Hole & Smt - Type W	Right Angle, Through Hole	<a href="#">View</a>
MTJ-66YX1	6/6	Internal Shield Low Profile Smt- Type Y	Right Angle, Through Hole	<a href="#">View</a>
MTJ-880X1	8/8	498" Height, Side Entry - Type 0	Right Angle, Through Hole	<a href="#">View</a>
MTJ-881X1	8/8	622" Height, Side Entry - Type 1	Right Angle, Through Hole	<a href="#">View</a>
MTJ-882BX1	8/8	Compact & Shielded Jack - Type 2, 2b & 2c	Right Angle, Through Hole	<a href="#">View</a>

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
MTJ-883X1	8/8	.645" Height, Top Entry, Open Body - Type 3	Vertical, Through Hole	<a href="#">View</a>
MTJ-885X1	8/8	460" Height, Side Entry - Type 5	Right Angle, Through Hole	<a href="#">View</a>
MTJ-887X1	8/8	Thru Hole Side Entry - Type 7	Right Angle, Through Hole	<a href="#">View</a>
MTJ-889X1	8/8	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	<a href="#">View</a>
MTJ-889X1-FSE	8/8	.484" Height, Side Entry - Type 9	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-L16	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-LD	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-LG	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-LH	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-LP	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-LV	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-L16	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-LD	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-LG	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-LH	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-LP	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88AAX1-FSV-PG-LV	8/8	Type Aa - Led Jack Bottom Tab & Bottom Leds Thru Hole 8p8c	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-PG-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-FSM-SMT-PG-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-L16	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-LD	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-LG	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-LH	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-LP	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX1-LV	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>
MTJ-88ARX2-LH-HT-D	8/8	Type Ar - Led Jack .531" Height Top Tab & Top Leds, Thru Hole	Right Angle, Through Hole	<a href="#">View</a>

# Modular Jacks, Plugs, Adapters & Couplers

## MODULAR JACKS - SINGLE PORT

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">MTJ-88CPX1-RF3-SMT</a>	8/8	Edge Hang - Type C	Right Angle, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-L16</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-LD</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-LG</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-LH</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-LP</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-FSQ-LV</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-L16</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-LD</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-LG</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-LH</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-LP</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-LV</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88DX1-N-LG-P485U-HT</a>	8/8	Type D - Top Entry Led Jack .610" Height With Leds, Non-Shielded 8p8c	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88EX1</a>	8/8	.551" Height, Side Entry - Type E	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88FX1</a>	8/8	Top Entry, Enclosed Body - Type F	Vertical, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-L16</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-LD</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-LG</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-LH</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-LP</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-LV</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG-L16</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG-LD</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>

PART NUMBER	CONTACT POSITIONS / CONTACTS FILLED	BODY TYPE	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">MTJ-88GX1-FSD-PG-LG</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG-LH</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG-LP</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG-LV</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-FSD-PG6</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88GX1-P285C-HT-D</a>	8/8	.500" Height, Side Entry - Type G	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88HX1</a>	8/8	.504" Height, Top Entry, Smt - Type H	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88KX1</a>	8/8	.626" Height, Top Entry, Smt - Type K	Vertical, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-88TX1</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-L16</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-LD</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-LG</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-LH</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-LP</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-LV</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-L16</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-LD</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-LG</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-LH</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-LP</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PG-LV</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-FSD-PGB</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-L16</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-LD</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-LG</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-LH</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-LP</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88TX1-LV</a>	8/8	Type T Tab Down & Bottom Leds, Short Body	Right Angle, Through Hole	<a href="#">View</a>
<a href="#">MTJ-88VX1-SMT</a>	8/8	.626" Height, Top Entry, Smt - Type V	Vertical, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-88WAX1</a>	8/8	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-88WBX1</a>	8/8	.472" Height, Thru Hole & Smt - Type W	Right Angle, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-88YX1</a>	8/8	Internal Shield Low Profile Smt - Type Y	Right Angle, Surface Mount	<a href="#">View</a>
<a href="#">MTJ-DUSB-88JX1-FS-LH</a>	8/8			<a href="#">View</a>



# Modular Jacks, Plugs, Adapters & Couplers

MODULAR JACKS - MULTI PORT

Adam Tech Multi Port Jack Connectors combine multiple modular jack ports into one connector. The number of ports range from 2 to 16, configured in a ganged or stacked orientation. Other options include number of position/contacts, shielding, tab direction, and LEDs.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Multiple positions/contacts
- Number of ports ranging from 2 to 16
- Ganged or stacked orientation
- Right angle
- Through hole or surface mount
- Shielded or unshielded
- Up and/or down tab directions
- LED options

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

### SPECIFICATIONS:

#### Material:

- Insulator: PA66 or PBT, rated UL94V-0
- Insulator Color: Black
- Contacts: Phosphor bronze or copper alloy
- Shield: Brass, nickel plated

#### Contact Plating:

Gold over nickel underplate overall

#### Electrical:

- Operating voltage: 150V AC max.
- Current rating: 1.5 Amps max.
- Contact resistance range: 20 to 35 mohms max
- Insulation resistance range: 500 to 1000 Mohms min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Recommended wire size range: 18 to 28 AWG
- O.D. insulation max.

#### Temperature Rating:

Operating temperature range: -40°C to +125°C



## PART NUMBER CONFIGURATION

MTJG- 6 - 64 - 2 - 2 - 1 - LD - FSX							
SERIES	NO. OF PORTS	PORT SIZE / POSITIONS FILLED	HOUSING TYPE	PLATING	HOUSING COLOR	LED	OPTIONS:
<b>MTJG</b> = Ganged Telephone Jack	<b>2 thru 6</b>	<b>64</b> = 6 position, 4 contacts (6P4C) <b>66</b> = 6 position, 6 contacts (6P6C) <b>88</b> = 8 position, 8 contacts (8P8C) <b>86</b> = 8 position, 6 contacts (8P6C) <b>1010</b> = 10 position, 10 contacts (10P10C) <b>108</b> = 10 position, 8 contacts (10P8C)	<b>2, 2B, 2C, 3, 3A, 5, 7V, 7H, A, AM, AK, AR, AT AV, AY, B, C, G, N, T, TU, Q, S, SA</b>	<b>X</b> = Gold Flash <b>0</b> = 15 µin gold <b>1</b> = 30 µin gold <b>2</b> = 50 µin gold <b>6</b> = 6 µin gold	<b>1</b> = Black <b>2</b> = Medium Gray (Housing Type 7 only)	Configuration See Chart above Leave blank for no LEDs HOUSING TYPE AR, AM, C, G, J, T, TU, M, Q, S, SA	See below

### OPTIONS:

- Add designator(s) to end of part number
- SMT** = Surface mount tails with Hi-Temp insulator for hi-temp soldering processes up to 260°C
- PG** = Panel ground tabs
- C5E** = Cat 5e

- S** = Face shielded jack
- HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
- FSX** = Full metal shield (See Shield Pin Option Chart on page 44)

PART NUMBER	PORTS	CONTACT POSITIONS / CONTACTS FILLED	MOUNTING ORIENTATION	BODY STYLE	PRODUCT DATA
<a href="#">MTJG-12-88JX1-FSG-PG</a>	2 x 6	8/8	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-2-642X1</a>	1 x 2	8/8	Right Angle, Through Hole	Side Entry - Type 2, 2b & 2c	<a href="#">View</a>
<a href="#">MTJG-2-66NX1</a>	1 x 2	8/8	Right Angle, Through Hole	Thru Hole & Smt - Type 5 & N	<a href="#">View</a>
<a href="#">MTJG-2-88ARX1-FSW-PG-LH-P114C-HT-A</a>	1 x 2	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	<a href="#">View</a>
<a href="#">MTJG-2-88ARX1C-LE</a>	1 x 2	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	<a href="#">View</a>
<a href="#">MTJG-2-88GX1-FSG</a>	1 x 2	8/8	Right Angle, Through Hole	Side Entry - Type G	<a href="#">View</a>
<a href="#">MTJG-2-88JX1-FSG-PG-L16</a>	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	<a href="#">View</a>
<a href="#">MTJG-2-88JX1-FSG-PG-P114C</a>	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	<a href="#">View</a>
<a href="#">MTJG-2-88JX1-FSH-LH-Y-HT</a>	2 x 1	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	<a href="#">View</a>
<a href="#">MTJG-3-665X1</a>	1 x 3	8/8	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-3-667HX2</a>	1 x 3	8/8	Right Angle, Through Hole	Top & Side Entry - Type 7	<a href="#">View</a>
<a href="#">MTJG-3-667VX2</a>	1 x 3	8/8	Right Angle, Through Hole	Top & Side Entry - Type 7	<a href="#">View</a>
<a href="#">MTJG-3-885X1</a>	1 x 3	8/8	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-4-888X1-P114C-HT-B</a>	1 x 4	8/8	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-4-88ARX1-FSM-PG-LG</a>	1 x 4	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	<a href="#">View</a>
<a href="#">MTJG-4-88ARX1-FSW-P114C-HT-A</a>	1 x 4	8/8	Right Angle, Through Hole	Led Jack .531" Height Top Tab & Top Leds - Type AR	<a href="#">View</a>
<a href="#">MTJG-4-88GX1-FSB</a>	1 x 4	8/8	Right Angle, Through Hole	Side Entry - Type G	<a href="#">View</a>
<a href="#">MTJG-4-88GX1-FSB-PG</a>	1 x 4	8/8	Right Angle, Through Hole	Side Entry - Type G	<a href="#">View</a>
<a href="#">MTJG-4-88TX1-P114C-HT-A</a>	1 x 4	8/8	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-8-88JX1-FSG-PG</a>	2 x 4	8/8	Right Angle, Through Hole	Ganged & Stacked Side Entry Jack - Type J	<a href="#">View</a>
<a href="#">MTJG-X-642BX1</a>	1 x 2	6/4	Right Angle, Through Hole		<a href="#">View</a>
<a href="#">MTJG-X-882CX1</a>	1 x 2	8/8	Right Angle, Through Hole		<a href="#">View</a>

Adam Tech's Modular Plugs provide modular jacks with an ideal mating solution. The series features a broad range of positions/contacts from 4P4C to 10P10C. Other options include shielded or unshielded, stranded or solid wire types, and flat or round cables. High speed solutions are available, with ratings ranging from Cat3 to Cat8. The series is complimented with accessories such as strain reliefs and hoods.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Preassembled Contacts
- REA Compliant Terminations
- Cat. 5 and 5E available
- Contacts for Flat or Round wire
- Short or Long body choices
- Shielded versions

#### MATING TELEPHONE JACKS:

Adam Tech modular jack series and all industry standard telephone Jacks.

#### PACKAGING:

Anti-ESD plastic bags

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

#### SPECIFICATIONS:

##### Material:

Insulator: Polycarbonate, rated UL94V-0  
 Insulator Color: Clear, (Blue optional)  
 Contacts: Phosphor Bronze

##### Contact Plating:

Gold over nickel underplate.

##### Electrical:

Operating voltage: 150V AC max.  
 Current rating: 1.5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

Cable to plug tensile strength: 7.71 Kgs (17 lbs) min.  
 Durability: 250 Cycles min.  
 Wire range: 26 to 28 Awg

##### Temperature Rating:

Operating temperature: -40°C to +70°C



PART NUMBER CONFIGURATION								
MTP	-	6	-	4	-	U	-	K
SERIES	PLUG SIZE	NO. OF CONTACTS	PLATING	OPTIONS:				
MTP = Modular telephone plug, standard oval wire type MTPR = Modular telephone plug for round cable	4, 6, 8 or 10	4, 6, 8 or 10	U = 15 μin gold W = 30 μin gold G = 50 μin gold	Add designator(s) to end of part number K = Molded in key (Plug size 8 & 10 only) S = Solid wire contacts EMI = Metal shielded type (Plug size 8 or 10 only) OL = Offset Latch (Plug size 6 only)				

PART NUMBER	NUMBER OF POSITIONS/CONTACTS	SHIELDING	WIRE TYPE	CABLE TYPE	RATING	PRODUCT DATA
MTP-1010	10P10C	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-44-X	4P4C (RJ9, RJ10, RJ22)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-64-X	6P4C (RJ11, RJ14)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-66-X	6P6C (RJ11, RJ12, RJ14, RJ25)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-82	8P2C (RJ45)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-88	8P8C (RJ45)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-88-X	8P8C (RJ45)	Unshielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTP-88-X-EMI-SP1	8P8C (RJ45)	Shielded	Stranded	Flat	CAT 3	<a href="#">View</a>
MTPR-1010	10P10C	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-44	4P4C (RJ9, RJ10, RJ22)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-66	6P6C (RJ11, RJ12, RJ14, RJ25)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-82	8P2C (RJ45)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-88	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-88-X	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-88-X-C	8P8C (RJ45)	Unshielded	Stranded	Round	CAT 3	<a href="#">View</a>
MTPR-88-X-S	8P8C (RJ45)	Unshielded	Solid	Round	CAT 3	<a href="#">View</a>

Adam Tech's High Speed Modular Plugs support device bandwidth requirements with dependability and speed. These plugs boast speeds of Cat 5, Cat 6, Cat 6a, and Cat 8. The series is supported by accessories such as strain relief, plastic hoods, and plating options. Adam Tech is dedicated to supplying signal transmission applications with top-quality modular products.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- 8P8C
- Speeds: Cat 5, 6, 6a, and 8
- Gold plating options
- Plugs for standard flat and round cables
- Metal shielded plugs
- Strain relief
- Plastic hood
- Solid wire contacts
- UL certified

#### APPLICATIONS:

- Internet
- Computer networking
- Telecommunications

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

#### SPECIFICATIONS:

##### Material:

Insulator: PC or PA6  
 Insulator color: Clear  
 Contacts: Copper alloy

##### Contact Plating:

Contact area: Gold over nickel underplate

##### Electrical:

Voltage rating: 150 VAC rms  
 Current rating: 1.5 Amp  
 Contact resistance: 20 mohms max  
 Insulation resistance: 1000 Mohms min @ 500 VDC  
 Dielectric withstanding voltage: 1000 VAC for 1 minute

##### Mechanical:

Wire range: 21~26AWG

##### Temperature Rating:

Operating temperature range: -25°C to +55°C



PART NUMBER	NUMBER OF POSITIONS/ CONTACTS	SHIELDING	WIRE TYPE	CABLE TYPE	RATING	ACCESSORIES	PRODUCT DATA
<a href="#">MTP-88-C6-SR-AX</a>	8P8C (RJ45)	Unshielded			CAT 6	Strain Relief	<a href="#">View</a>
<a href="#">MTP-88-C8-SR-AX</a>	8P8C (RJ45)	Unshielded			CAT 8	Strain Relief	<a href="#">View</a>
<a href="#">MTP-88-HD-A</a>	8P8C (RJ45)	Unshielded				Hood	<a href="#">View</a>
<a href="#">MTP-88-X-S-C6-A</a>	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 6		<a href="#">View</a>
<a href="#">MTP-88-X-S-C6AX</a>	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 6a		<a href="#">View</a>
<a href="#">MTP-88-X-S-C8-A</a>	8P8C (RJ45)	Unshielded	Solid	Flat	CAT 8		<a href="#">View</a>
<a href="#">MTPR-88-X-S-C6-A</a>	8P8C (RJ45)	Unshielded	Solid	Round	CAT 6		<a href="#">View</a>

# Modular Jacks, Plugs, Adapters & Couplers

MODULAR JACKS - KEYSTONE STYLE

Keystone Style Modular Jacks provide increased speed to data communication and LAN wiring applications. Adam Tech's snap-in keystone jacks offer speed ratings up to Cat5e and Cat6. These parts are unshielded and available in various positions/contacts.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Multiple positions/contacts
- Snap-in mounting
- Various configurations
- Ratings: Cat 5e, Cat 6, and Cat 6a
- Shielded or unshielded

### SPECIFICATIONS:

#### Material:

- Housing: ABS or zinc alloy
- Contact Plating: Gold over nickel underplate overall

### Electrical:

- Current rating: 1.5 Amps
- Contact resistance: 20 mohms max
- Insulation resistance range: 500 to 1000 Mohms min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Temperature Rating:

- Operating temperature range: -10°C to +60°C



## PART NUMBER CONFIGURATION

PART NUMBER CONFIGURATION						
SERIES	HOUSING SIZE	POSITIONS FILLED	BODY STYLE	PERFORMANCE LEVEL	INSULATOR COLOR	PLATING
<b>MTJK- 8 - 8 - 1 - C5E - B - 0</b>						
<b>MTJK</b> = Modular Keystone Jack	<b>8</b>	<b>4, 6, or 8</b>	<b>1 thru 99</b>	<b>C2</b> = Standard <b>C5</b> = Cat 5 <b>C5E</b> = Cat 5e <b>C6</b> = Cat 6 <b>C6A</b> = Cat 6a <b>C7</b> = Cat 7 <b>C8</b> = Cat 8	<b>B</b> = Black <b>Y</b> = Yellow <b>W</b> = White <b>R</b> = Red <b>IV</b> = Ivory <b>G</b> = Green <b>GY</b> = Gray <b>BL</b> = Blue <b>OR</b> = Orange	<b>Blank</b> = Gold Flash <b>15</b> = 15 μin gold <b>30</b> = 30 μin gold <b>50</b> = 50 μin gold

PART NUMBER	CONNECTOR	HOUSING SIZE	POSITIONS FILLED	OPTIONS	PRODUCT DATA
<a href="#">MTJK-84-01-C5E</a>	Keystone Jack	8	4		<a href="#">View</a>
<a href="#">MTJK-88-09-C6</a>	Keystone Jack	8	8		<a href="#">View</a>

## CASE STUDY



Keystone Jacks can be found at the back of an office phone and are used to connect the device to the telephone line.

# Modular Jacks, Plugs, Adapters & Couplers

MODULAR JACKS WITH WIRE LEADS

Adam Tech MTJP Series Wire Leaded Handset and Panel Jacks are conveniently prepared with wire leads ready for final assembly. This series has a multitude of housing shapes to fit many specific applications. They are offered in 4, 6, & 8 positions with choice of Stripped and Tinned leads or leads with Spade Terminals. Adam Tech jacks are UL and CSA approved and meet all required FCC rules and regulations.

## FEATURES & SPECIFICATIONS

### FEATURES:

- UL approved
- FCC compliant to No. 47 CFR part 68
- Prepared for Final Assembly
- 4P, 6P and 8P versions
- Custom Jacks available

### MATING PLUGS:

All industry standard line cords manufactured with telephone plugs

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224049

### SPECIFICATIONS:

#### Material:

Insulator: ABS, (Nylon 66 optional), rated UL94V-0  
 Insulator Colors: Medium gray or black  
 Contacts: Phosphor Bronze  
 Wires: 26 Awg, UL-1061, 80°C, VW-1, 300V.

### Contact Plating:

Gold over Nickel underplate on contact area.

### Electrical:

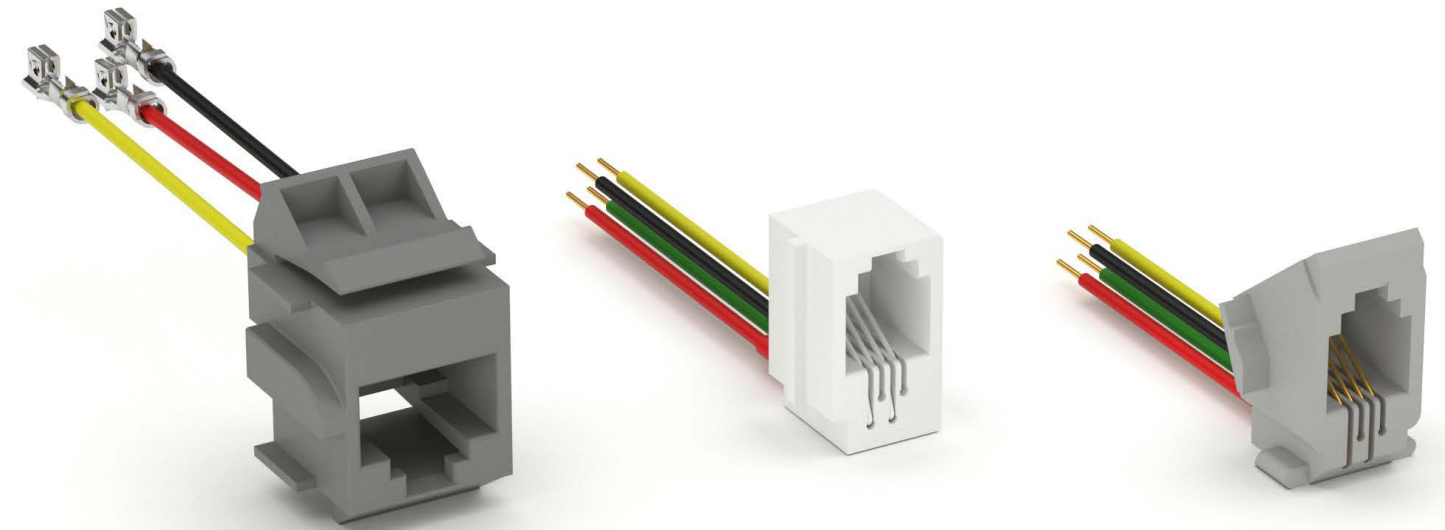
Operating voltage: 150V AC max.  
 Current rating: 1.5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

### Mechanical:

Insertion force: 4 Contacts: 500g, 6 contacts 750g  
 8 contacts: 900g, 10 contacts: 1000g  
 Durability: 500 Cycles min.

### Temperature Rating:

Operating temperature: -40°C to +85°C



## PART NUMBER CONFIGURATION

SERIES	HOUSING	CONTACT PLATING	WIRE LEAD TYPE	HOUSING COLOR
<b>MTJP</b> = Wire Leaded Jack	<b>616B, 616E, 616L, 616M, 616P, 616W, 623K4, 623K6, 623P4, 623P6, 623T4, 623T6, 648K4, 648K6, 641</b>	<b>X</b> = Gold Flash <b>0</b> = 15 μin. gold <b>1</b> = 30 μin. gold <b>2</b> = 50 μin. gold	<b>A1</b> = 7" Wire leads, stripped 1/4" and tinned <b>A2</b> = 7" Wire leads, with spade terminal	<b>1</b> = Black <b>2</b> = Medium Gray

PART NUMBER	POSITIONS	CONTACTS LOADED	MOUNTING STYLE	WIRE TERMINATION	KEYED	PRODUCT DATA
<a href="#">MTJP-616E-X-A1-1</a>	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-616L-X-A1-2</a>	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-616M-X-A1-2</a>	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-616W-X-A1-2</a>	4	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-623-K4-X-A1-1</a>	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-623-K6-X-A1-1</a>	6	6	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-623-P4-X-A1-1</a>	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-641-X-A1-1</a>	6	4	Panel Stops	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-648-K4-X-A1-1</a>	6	4	Snap In	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>
<a href="#">MTJP-648-K6-X-A1-1</a>	6	6	Snap In	7" Wire Leads, Stripped 1/4" and Tinned		<a href="#">View</a>

Adam Tech's Combo Modular Jack series offers versatility with the inclusion of USB ports. These RJ45/USB Combo connectors are fully shielded and equipped with LEDs. Options include single or dual USB ports, integrated magnetics, and speed. This modular jack/USB design increases product flexibility and further alleviates capacity constraints.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- 8P8C RJ45s
- Type A (USB 2.0 and USB 3.0)
- Single and dual port USB
- Right angle, through hole mounting
- Fully shielded
- Integrated magnetic options
- LED options

#### SPECIFICATIONS:

##### Material:

- Insulator: PA66 or PBT, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy or phosphor bronze
- Shield: Brass or copper alloy, nickel plated; or stainless steel

##### Contact Plating:

- Gold over nickel underplate overall

#### Electrical:

- Current rating: 1.5 Amps max
- Voltage rating: 150V AC
- Contact resistance range: 20 to 30 mohms max
- Insulation resistance: 500 Mohms min.
- Dielectric withstanding voltage range: 500 to 1000V AC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +85°C

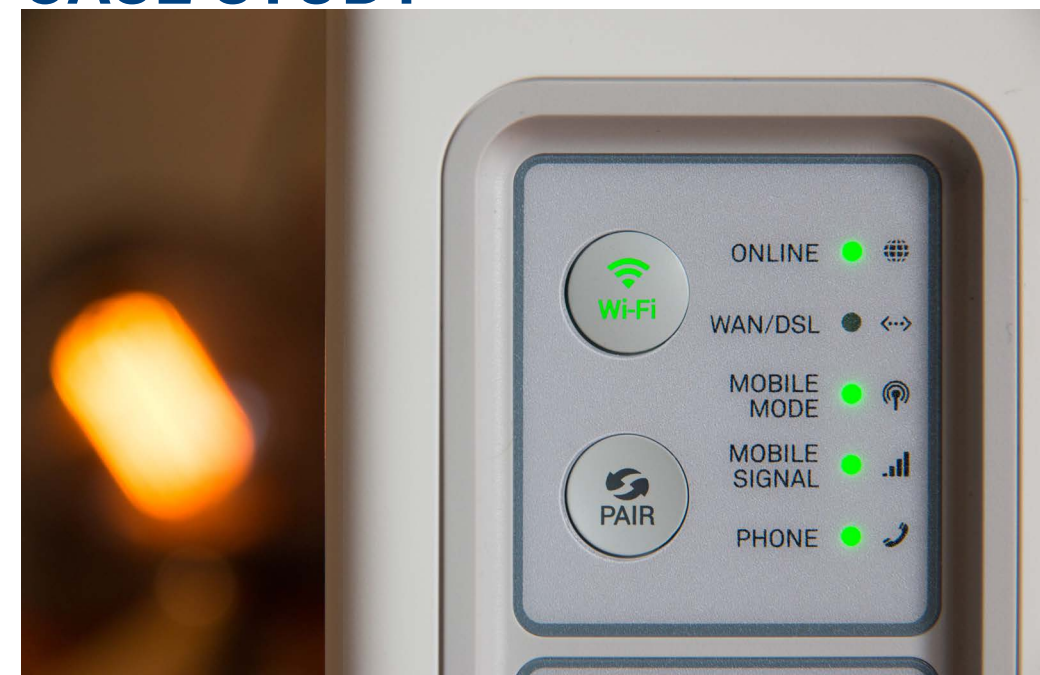
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224049



PART NUMBER	NUMBER OF POSITIONS/ CONTACTS	MOUNTING ORIENTATION	USB TYPE	NUMBER OF USB PORTS	SHIELDING	LED	INTEGRAL MAGNETICS	APPLICATION	PRODUCT DATA
<a href="#">MTJ-DUSB-88JX1-FS-L29-M339Y</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green/ Orange - Yellow	Yes	1G Base-T w/protect component	<a href="#">View</a>
<a href="#">MTJ-DUSB-88JX1-FS-LH</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green - Yellow	No	N/A	<a href="#">View</a>
<a href="#">MTJ-DUSB-88JX1-FS-RL35-M86C</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Dual USB Port	Full Shield	Green - Green/ Yellow	Yes	1G Base-T	<a href="#">View</a>
<a href="#">MTJ-USB-88JX1-FS-PG-LH-M41C</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Green - Yellow	Yes	10/100 Base-T	<a href="#">View</a>
<a href="#">MTJ-USB-88JX1-FS-PG-LH-M49Y</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Green - Yellow	Yes	10/100 Base-T (POE)	<a href="#">View</a>
<a href="#">MTJ-USB-88JX1-FS-PG-LL-M41</a>	8P8C (RJ45)	Right Angle	Type A (USB 2.0)	Single USB Port	Full Shield	Orange/ Green - Yellow	Yes	10/100 Base-T	<a href="#">View</a>

## CASE STUDY



Modular Jack & USB combo connectors are commonly used in routers where both an ethernet connection and USB data connection (example: connecting an external storage device to be wirelessly accessible by multiple devices) are required.

RJ45 Couplers and Adapters provide LAN networks with the ability to extend a network cable to reach a device. Adam Tech's line of RJ45 couplers and adapters are compatible with modular jacks of various positions/contacts, and support ratings up to Cat5e and Cat6. Other options include snap-in or free hang mounting, as well as full shield or unshielded.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Multiple positions/contacts
- Various configurations
- Free hanging or snap-in mounting
- Shielded or unshielded
- Available ratings: Cat 5e and Cat6

#### SPECIFICATIONS:

##### Material:

- Insulator: ABS or PBT, rated UL 94V-0
- Insulator color: Black or white
- Contacts: Brass or phosphor bronze
- Shield: Stainless steel

##### Contact Plating:

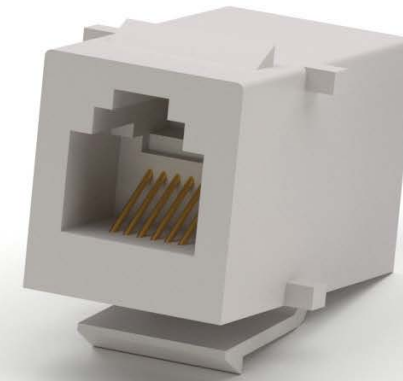
- Contact area: Gold over nickel underplate
- Solder tails: Tin over copper underplate

#### Electrical:

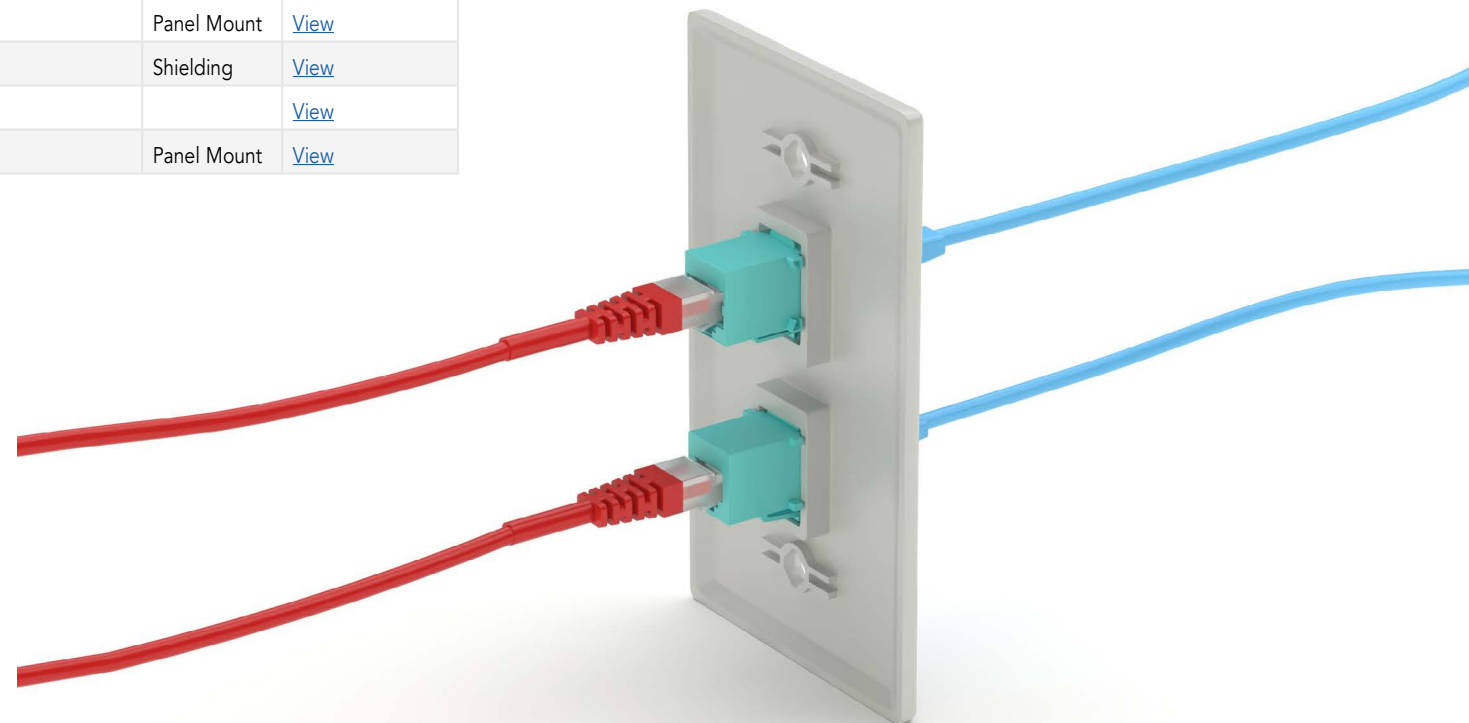
- Current rating: 1.5 Amps
- Voltage rating range: 125 to 150V AC
- Contact resistance range: 20 to 60 mohms max
- Insulation resistance: 1000 Mohms min. @ 500 VDC
- Dielectric withstanding voltage range: 750 to 1000V AC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +85°C



PART NUMBER	CONNECTOR	HOUSING SIZE	POSITIONS FILLED	OPTIONS	PRODUCT DATA
<a href="#">MTJC-66-X-B</a>	Coupler	6	6	Panel Mount	<a href="#">View</a>
<a href="#">MTJC-88-X-B-S</a>	Coupler	8	8	Shielding	<a href="#">View</a>
<a href="#">MTJC-88-X-C5E-A</a>	Coupler	8	8		<a href="#">View</a>
<a href="#">MTJC-88-X-PB-C6</a>	Coupler	8	8	Panel Mount	<a href="#">View</a>



Adam Tech Fuseholders are fully enclosed in Hi Temp thermoplastic with integrated .250" Male Quick Connect terminals on either side. The unique plastic enclosure offers a stacking side mount option to integrate a series of fuseholders side by side. Available in 0.50, 3, and 6 Amp options, Adam Tech fuseholders are an efficient option for protecting your application.

## FEATURES & SPECIFICATIONS

### FEATURES

0.50, 3, and 6 Amp versions (custom amperages available upon request)  
 Side Stackability  
 Compact, Protective Enclosure

### MATING CONNECTORS:

Wire Mounted Female Quick Disconnect Terminals

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no: Each fuse is individually UL approved

### SPECIFICATIONS:

#### Material:

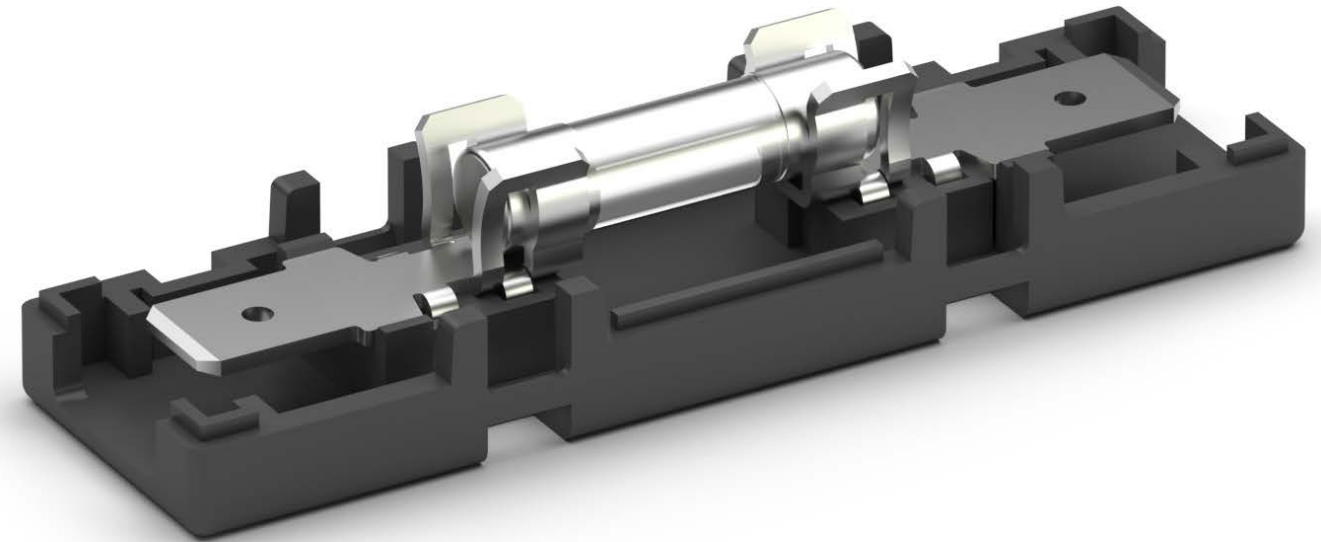
Hi-Temp insulator: Thermoplastic Rated UL 94-V0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze  
 Contact Plating: Tin Plating

#### Electrical:

Operating Voltage:  
 Current Rating:  
 Contact Resistance:  
 Insulation Resistance:  
 Dielectric Withstanding Voltage:

#### Temperature Ratings:

Operating Temperature: -20C to +70C



PART NUMBER	CURRENT RATING	PRODUCT DATA
FH-A-A01A	0.5 Amps	<a href="#">View</a>
FH-A-A01B	3 Amps	<a href="#">View</a>
FH-A-A01C	6 Amps	<a href="#">View</a>





Adam Tech USB, USB4, Mini USB, Micro USB, and USB Type C 3.1 series connectors are a complete line of shielded, hot pluggable, high speed I/O interface connectors available in a variety of body styles, sizes, positions and mounting orientations. Each is shielded for superior EMI/RFI protection and features spring contacts for exceptional connectivity properties. Specially designed shells with flares eliminate misconnection and kinked boardlocks add a strong, stable PCB attachment. An ideal solution for low cost, high speed connection to peripheral devices.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Type A, B, AB, A4, and C
- USB-IF Compatible
- High Speed I/O applications
- Variety of Circuit sizes
- Variety of Body Styles
- Shielded for EMI/RFI protection

### MATING CONNECTORS:

All industry standard USB products

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053  
USB-IF Implementers Forum

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, Glass filled, rated UL94V-0  
Optional Hi-Temp insulator: Nylon PA9T, rated UL94V-0  
Insulator Color: Black (White optional)  
Contacts: Phosphor Bronze or Brass  
Shell: Steel, nickel plated

### Contact Plating:

Gold over Nickel on mating area,  
Tin over Copper underplate on tails

### Electrical:

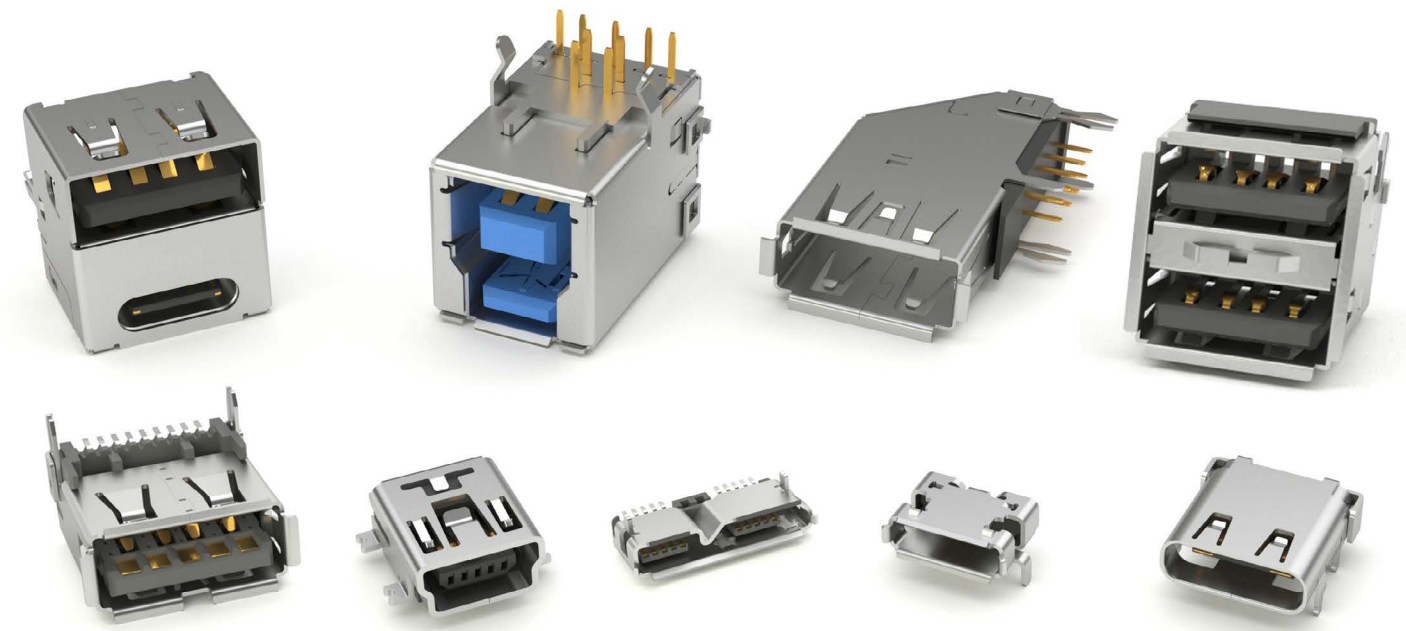
Operating Voltage: 30V AC  
Current Rating: 1 Amp max.  
Contact Resistance: 30 mΩ max.  
Insulation Resistance: 1000 MΩ min.  
Dielectric Withstanding Voltage: 100V AC for 1 minute

### Mechanical:

Insertion force: 3 oz max.  
Withdrawal force: 0.5 oz min.

### Temperature Ratings:

Operating Temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C



## PART NUMBER CONFIGURATION

USB	A	S	RA	SMT
SERIES	TYPE	PORTS	MOUNTING ANGLE	OPTIONS:
<b>USB</b> = Universal Serial Bus <b>MUSB</b> = Mini USB <b>MCR</b> = Micro USB	<b>A</b> = USB Type "A" <b>AB</b> = USB Type "AB" (Mini) mid-mount <b>AB1</b> = USB Type AB (Mini Top Mount) <b>AP</b> = USB Type A Plug <b>A3</b> = USB 3.0 Type "A" <b>A4</b> = USB 4.0 Type "A" <b>B</b> = USB Type "B" <b>B3</b> = USB 3.0 Type "B" <b>B4</b> = USB Type "B" (Mini) 4 pin <b>B5</b> = USB Type "B" (Mini) 5 pin <b>BP</b> = USB Type "B" Plug <b>C31</b> = USB 3.1 Type "C" <b>C40</b> = USB 4.0 Type "C"	<b>S</b> = Single port <b>D</b> = Dual port <b>T</b> = Triple port <b>Q</b> = Quad port	<b>RA</b> = Right Angle <b>RU</b> = Right Angle Upright <b>VT</b> = Vertical Mount <b>S</b> = Wire Termination (Plug Only)	See below

### OPTIONS:

Add designator(s) to end of part number

- EH** = Edge Hang
- EH1** = Edge Hang type 1
- HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
- KT** = Mylar
- MF** = With Mounting Flange
- NK** = No Kink
- NP** = No Peg

- NF** = No Flange
- PG** = Peg
- R** = Reverse
- SMT** = Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
- T/R** = Tape & Reel packaging
- TF** = Top Flange
- TSMT** = True Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
- WT** = White color insulator



PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
<a href="#">MCR-7P-S-RA-SMT-GY</a>	Receptacle	Micro USB		Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-MPLUG-01</a>	Plug	Micro USB	AB Mid-Mount			<a href="#">View</a>
<a href="#">MCR-AB-S-RA-SMT-CS1</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-SMT-NP</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-SMT-WP-EH-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-TSMT-CS2-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-TSMT-CS3-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-TSMT-NCS1</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-RA-TSMT-P-CS2-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-V-TSMT-P-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-VT</a>	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-VT-1.99</a>	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-AB-S-VT-TR</a>	Receptacle	Micro USB	AB Mid-Mount	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-AB1-S-RA-SMT-CS1-KT-TR</a>	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB1-S-RA-SMT-CS1-TR</a>	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB1-S-RA-SMT-CS2-NF-TR</a>	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB1-S-RA-SMT-TR</a>	Receptacle	Micro USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-SMT</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-SMT-CS1</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-SMT-PD</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-SMT-PD-TR</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-15</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-CS1</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-CS1-15</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-CS1-15-TR</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-CS1-HF</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AB3-RA-TSMT-CS1-HF-TR</a>	Receptacle	Micro USB	Type AB 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-AP3</a>	Plug	Micro USB	Type A 3.0			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-01</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-011-HF</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-02</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-03</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-04-NS</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-05</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-06</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-07</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-08</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-09</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-CS3</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-CS4</a>	Plug	Micro USB	Type B			<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
<a href="#">MCR-B-MPLUG-CS5-XC</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-MPLUG-CS8</a>	Plug	Micro USB	Type B 5 Pin			<a href="#">View</a>
<a href="#">MCR-B-S-PLUG-01</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-S-PLUG-01-NC</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-S-PLUG-01A</a>	Plug	Micro USB	Type B			<a href="#">View</a>
<a href="#">MCR-B-S-RA-M2-SMT</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS1-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS10-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS14-T/R</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS3-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS5-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS5A-NF-T/R</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS7-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-CS9-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-EH4-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-EH4A</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-EH4B-T/R</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-EH6-INV-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-INV-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS2-15-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS2-30-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS2-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS4-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS6B</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-NP-CS6B-T/R</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-SMT-WP-EH-TR</a>	Receptacle	Micro USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS1-WP-T/R</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS3-30-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS3-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS4A-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS4B-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-CS4C-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-EH1A-SST-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-EH2-15-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-EH2-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-EH3</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-EH5-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-INV-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS2-30-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS2-T/R</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS2-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
<a href="#">MCR-B-S-RA-TSMT-NP-CS3-30-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS3-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS4-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS4C-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-CS5</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-NP-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-SG-INV-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-RA-TSMT-WP-MMF-TR</a>	Receptacle	Micro USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-SMT</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-SMT-CSI-10-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-SMT-CSI-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-SMT-P-CSI-10-PP-T/R</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-SMT-P-CSI-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-V-TSMT-P-CSI-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01-15</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01-15-TR</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01-30</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01-30-TR</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-01-TR</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-02</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-02-30-TR</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-02-TR</a>	Receptacle	Micro USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-SMT-01</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-SMT-01-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B-S-VT-SMT-WP-PP-TR</a>	Receptacle	Micro USB	Type B	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-MPLUG-01</a>	Plug	Micro USB	Type B 3.0			<a href="#">View</a>
<a href="#">MCR-B3-RA-SMT-CSIX-HF-TR</a>	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-RA-SMT-CSIX-TR</a>	Receptacle	Micro USB	Type B 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-RA-TSMT</a>	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-RA-TSMT-15</a>	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-RA-TSMT-TR</a>	Receptacle	Micro USB	Type B 3.0	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MCR-B3-V-SMT-P-MF-PP-TR</a>	Receptacle	Micro USB	Type B 3.0	Vertical Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MCR-BP3</a>	Plug	Micro USB	Type B 3.0			<a href="#">View</a>
<a href="#">MUSB-10P-P3-S</a>	Plug	Mini USB	10 Pin			<a href="#">View</a>
<a href="#">MUSB-10P-PLUG</a>	Plug	Mini USB	10 Pin			<a href="#">View</a>
<a href="#">MUSB-10P-PLUG-PC</a>	Plug	Mini USB	10 Pin			<a href="#">View</a>
<a href="#">MUSB-10P-S-RA-SMT-KT-TR</a>	Receptacle	Micro USB	10 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-10P-S-RA-TSMT</a>	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-10P-S-RA-TSMT-1</a>	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
<a href="#">MUSB-10P-S-RA-TSMT-TR</a>	Receptacle	Mini USB	10 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-12P-S-RA-SMT</a>	Receptacle	Mini USB	12 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-14P-PLUG</a>	Plug	Mini USB	14 pin			<a href="#">View</a>
<a href="#">MUSB-8P-PLUG-01</a>	Plug	Mini USB	8 Pin			<a href="#">View</a>
<a href="#">MUSB-8P-PLUG-HT</a>	Plug	Mini USB	8 Pin			<a href="#">View</a>
<a href="#">MUSB-8P-S-RA-SMT-01</a>	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-8P-S-RA-SMT-01-TR</a>	Receptacle	Mini USB	8 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-8P-S-RA-TSMT-01-10</a>	Receptacle	Mini USB	8 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-A-S-RA-SMT</a>	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-A-S-RA-SMT-30-TR</a>	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-A-S-RA-SMT-TR</a>	Receptacle	Mini USB	Type A	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-A-S-RA-TSMT-CSI-KT-TR</a>	Receptacle	Mini USB	Type A	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-A4-PLUG-SK-OM</a>	Plug	Mini USB	Type A4			<a href="#">View</a>
<a href="#">MUSB-A4-S-RA-TSMT-XX</a>	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-A4-S-RA-TSMT-XX-CS1</a>	Receptacle	Mini USB	Type A4	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-P-S-S</a>	Plug	Mini USB	AB Mid-Mount			<a href="#">View</a>
<a href="#">MUSB-AB-S-RA</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle Thru Hole	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-SMT</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-SMT-1</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-SMT-2</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-TSMT</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-TSMT-KT-TR</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB-S-RA-TSMT-TR</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-SMT</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-SMT-30-TR</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-SMT-TR</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT-HF-TR</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT-KT-TR</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT-NP</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT-NP-TR</a>	Receptacle	Mini USB	AB Mid-Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB1-S-RA-TSMT-TR</a>	Receptacle	Mini USB	AB Mini Top Mount	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-AB10-PLUG-CS2-HT</a>	Plug	Mini USB	AB Mid-Mount			<a href="#">View</a>
<a href="#">MUSB-AP-S</a>	Plug	Mini USB	Type A			<a href="#">View</a>
<a href="#">MUSB-B4-S-RA-SMT</a>	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-B4-S-RA-SMT-30</a>	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-B4-S-RA-SMT-TR</a>	Receptacle	Mini USB	Type B 4 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
<a href="#">MUSB-B4-S-RA-TSMT</a>	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-B4-S-RA-TSMT-15</a>	Receptacle	Mini USB	Type B 4 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
<a href="#">MUSB-B5-P3-S4</a>	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>
<a href="#">MUSB-B5-P3-S5</a>	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MUSB-B5-PLUG-01	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>
MUSB-B5-PX-S5-XC	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>
MUSB-B5-S-RA	Receptacle	Mini USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-1	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-1-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-2	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-2A-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-CS1	Receptacle	Mini USB	Type B 5 Pin	Right Angle Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-SMT-001	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
"MUSB-B5-S-RA-SMT-2,4"	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-SMT-EH-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-SMT-PP-T/R	Receptacle	Mini USB	Type B	Right Angle Surface Mount	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS1	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS1-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS1-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS2-30	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS2-NP-30-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS3-KT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-CS4	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-HC	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-MM-1.7	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-MTS-KTTR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-NP	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-RA-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Right Angle True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-VT	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-02	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-LSP	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-LSP-30	Receptacle	Mini USB	Type B 5 Pin	Vertical Thru Hole	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-SMT-PP-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical Surface Mount	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-TSMT	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-TSMT-1	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-TSMT-CS1-10-PP-T/R	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	<a href="#">View</a>
MUSB-B5-S-VT-TSMT-TR	Receptacle	Mini USB	Type B 5 Pin	Vertical True SMT	Single Port	<a href="#">View</a>
MUSB-B5P-KT	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>
MUSB-B5P-S-RA-PCB	Plug	Mini USB	Type B 5 Pin	Right Angle Thru Hole		<a href="#">View</a>
MUSB-B5P-S-RA-SMT-05	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount		<a href="#">View</a>
MUSB-B5P-S-RA-SMT-P	Plug	Mini USB	Type B 5 Pin	Right Angle Surface Mount		<a href="#">View</a>
MUSB-B5P-S-S-CS1	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>
MUSB-B5P-S-SMT-10	Plug	Mini USB	Type B 5 Pin			<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
MUSB-B5S-K	Receptacle	Mini USB	Type B 5 Pin	Right Angle Surface Mount	Single Port	<a href="#">View</a>
MUSB-P-A-S-S-PS	Plug	Mini USB	Type A			<a href="#">View</a>
USB-A-D-RA	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS1-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS1-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS2-SPCC-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS3	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS4	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS4-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS5-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A-D-RA-CS5-WT-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS5A-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS6	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS6-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-CS7	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EH	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EH-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EHI	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EHI-30	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EHI-30-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EHI-WT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-EM	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-RA-HT-TR	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-SATA-RA-15	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT-30	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT-HT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT-WT	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-D-VT-WT-NCST	Receptacle	USB	Type A	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A-HDMI-D-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-HDMI-D-RA-MF	Receptacle	USB	Type A	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A-Q-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	<a href="#">View</a>
USB-A-Q-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	<a href="#">View</a>
USB-A-Q-RA-SB	Receptacle	USB	Type A	Right Angle Thru Hole	Quad Port	<a href="#">View</a>
USB-A-S-RA	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A-S-RA-30	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A-S-RA-30-HT	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	<a href="#">View</a>





PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-A3-D-S-BL	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Dual Port	<a href="#">View</a>
USB-A3-S	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Dual Port	<a href="#">View</a>
USB-A3-S-RA-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-A	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS1	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS1-HT	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS1A-R	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS1A-R-NF-110-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS3	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS5	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS5-30-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-CS5-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-EH	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-EH-CS1-TR	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-EH-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
USB-A3-S-RA-HF	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-HT-01	Receptacle	USB	Type A 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RA-SMT	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
USB-A3-S-RA-SMT-BL-CS1	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
USB-A3-S-RA-SMT-CS2-TR	Receptacle	USB	Type A 3.0	Right Angle Surface Mount	Single Port	<a href="#">View</a>
USB-A3-S-RU	Receptacle	USB	Type A 3.0	Right Angle Upright Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-RU-HT	Receptacle	USB	Type A 3.0	Right Angle Upright Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-S1	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-S2	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-A3-S-VT-CS2-BK-HT	Receptacle	USB	Type A 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-AM-AM-ADPT	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-RA	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-HF	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-NK-D	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-NK-D-WT	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-NKD	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-NKD-WT	Plug	USB	Type A	Right Angle Thru Hole		<a href="#">View</a>
USB-AP-S-RA-SMT	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-BL	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-C	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-E-LP	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-E-LP-NP	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-F-TR	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-R	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-RA-SMT-R-TR	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-AP-S-SMT	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-SMT-A	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-SMT-A-LP-SB	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-SMT-A-NK	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-SMT-A-NK-WT	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-SMT-A-NKD-PDG	Plug	USB	Type A	Right Angle Surface Mount		<a href="#">View</a>
USB-AP-S-ST	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-A	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-B	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-C	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-D-HF	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-D-NAT-HF	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-E	Plug	USB	Type A			<a href="#">View</a>
USB-AP-S-ST-F	Plug	USB	Type A			<a href="#">View</a>
USB-AP3-S	Plug	USB	Type A 3.0			<a href="#">View</a>
USB-AP3-S-A	Plug	USB	Type A 3.0			<a href="#">View</a>
USB-AP3-S-B	Plug	USB	Type A 3.0			<a href="#">View</a>
USB-AP3-S-RA-SMT	Plug	USB	Type A 3.0	Right Angle Surface Mount		<a href="#">View</a>
USB-AP3-S-RA-SMT-A1-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount		<a href="#">View</a>
USB-AP3-S-RA-SMT-A1-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount		<a href="#">View</a>
USB-AP3-S-RA-SMT-A2-NP	Plug	USB	Type A 3.0	Right Angle Surface Mount		<a href="#">View</a>
USB-AP3-S-RA-SMT-A2-NP-10030	Plug	USB	Type A 3.0	Right Angle Surface Mount		<a href="#">View</a>
USB-AS-S-RA-R	Receptacle	USB	Type A	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-30-C1-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-BU	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-BU-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-BU-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-BU-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-CS2-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-CS3-WT-30-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-HT-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-OB-30-C3	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-PDG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-PG	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-TPS-02	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-50	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>

PART NUMBER	GENDER	VERSION	TYPE	MOUNTING ANGLE	PORTS	PRODUCT DATA
USB-B-S-RA-TSMT-CS1	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-CS1-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-CS1-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-CS3-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-NI	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-WT	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-TSMT-WT-TR	Receptacle	USB	Type B	Right Angle True SMT	Single Port	<a href="#">View</a>
USB-B-S-RA-WFP	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WFP-TR	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-C1	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-HT	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-PN	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-SP-30	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-RA-WT-SPCC	Receptacle	USB	Type B	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-HT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-HT-30	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-LCP	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-SPL	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-VT-TSMT	Receptacle	USB	Type B	Vertical True SMT	Single Port	<a href="#">View</a>
USB-B-S-VT-TSMT-KT-TR	Receptacle	USB	Type B	Vertical True SMT	Single Port	<a href="#">View</a>
USB-B-S-VT-WT	Receptacle	USB	Type B	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B-S-WP	Receptacle	USB	Type B		Single Port	<a href="#">View</a>
USB-B3-S-RA	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-A	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-CS1-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-CS2X-15	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-CS3-BK-30-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-CS4	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-RA-HT	Receptacle	USB	Type B 3.0	Right Angle Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-VT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-VT-CS1-15	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-VT-CS3	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-VT-CS3-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-B3-S-VT-HT	Receptacle	USB	Type B 3.0	Vertical Thru Hole	Single Port	<a href="#">View</a>
USB-BP-S	Plug	USB	Type B			<a href="#">View</a>
USB-BP-S-RA	Plug	USB	Type B	Right Angle Thru Hole		<a href="#">View</a>
USB-BP-S-RA-SMT	Plug	USB	Type B	Right Angle Surface Mount		<a href="#">View</a>
USB-BP3-S	Plug	USB	Type B 3.0			<a href="#">View</a>



USB Type-C is a reversible-plug connector designed to support USB 3.1 with a top speed of 10Gbps. It is a 24 pin double sided connector similar in size to a micro-USB type B connector with a high power output of up to 100W (20vdc @ 5A). The connector provides four power/ground pairs, two differential pairs for USB 2.0 data bus (though only one pair is implemented in a Type-C cable), four pairs for high speed data bus, two “sideband use” pins, and two configuration pins for cable orientation detection, a dedicated biphasic mark code (BMC) configuration data channel, and VCONN +5 V power for active cables. USB Type-C also allows for bi-directional power charging input/output which significantly cuts down the amount of connectors / cables currently needed to make devices work. Type-C USB is backward compatible with USB 3.0 and USB 2.0 connectors.



### FEATURES & SPECIFICATIONS

#### FEATURES:

- USB 3.1 receptacles and plugs
- 24 pin reversible connectors
- Speeds up to 10 Gbps
- Backwards compatible with USB 3.0 and USB 2.0
- Through hole or surface mount
- Edge hang types available
- Right angle or vertical
- Multiple body styles
- Insulator color options

#### SPECIFICATIONS:

##### Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy or phosphor bronze
- Shell: Stainless steel, nickel plated

##### Contact Plating:

- Contact area: Gold flash over nickel underplate
- Solder tails: Tin over nickel or copper underplate

##### Electrical:

- Current rating range: 3 to 5 Amps max
- Voltage rating range: 5 to 100V AC
- Contact resistance range: 30 to 50 mohms max
- Insulation resistance: 100 Mohms min.
- Dielectric withstanding voltage: 100V AC for 1 minute

##### Temperature Rating:

- Operating temperature range: -55°C to +85°C

##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053
- USB-IF Implementers Forum

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
<a href="#">USB-C31-PLUG-A-BK-TR</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-B-XX-BK</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-C-BK-PCB-X</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-EI-BK</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-EI-SHD-BK</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-F-BK-30</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-PLUG-H-SMT-DC-TR</a>		Plug	<a href="#">View</a>
<a href="#">USB-C31-S-RA-BK-TR</a>	Right Angle Top PCB Mount, Extra Shield Pins		<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS1-BK-TR</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS1A-BK-SS-T/R</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS1D-BK-T/R</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
<a href="#">USB-C31-S-RA-CS1E-BK-T/R</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS2-BK-TR</a>	Right Angle Top PCB Mount, Long Body		<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS2-SMT-BK-T/R</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-BK-CS1</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-BK-CS1-HF-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-BK-CS1A</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-BK-CS1A-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-BK-CS2-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-SMT-BK</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH2-SMT-BK-TR</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH2.0</a>	Right Angle Edge Hang		<a href="#">View</a>

PART NUMBER	RECEPTACLE	PLUG	PRODUCT DATA
<a href="#">USB-C31-S-RA-EH2.0-BK-HF-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH2.0-BK-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH2.0-TR</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH2.0B-BK-T/R</a>	Right Angle Edge Hang		<a href="#">View</a>
<a href="#">USB-C31-S-RA-TR</a>	Right Angle Top PCB Mount, Standard Body		<a href="#">View</a>
<a href="#">USB-C31-S-SM-BK-TR</a>	Surface Mount		<a href="#">View</a>
<a href="#">USB-C31-S-VT-CS1-BK-PP-TR</a>	Vertical		<a href="#">View</a>
<a href="#">USB-C31-S-VT-CS2A-BK-PP-TR</a>	Vertical		<a href="#">View</a>
<a href="#">USB-C31-S-VT-CS4-BK-PP-T/R</a>	Vertical		<a href="#">View</a>

### USB4 40Gbps

Adam Tech's line of USB4 connectors and cables boasts speeds up to 40Gbps, making them the fastest USB products in the industry. These parts are backwards compatible with the speeds of USB 3.2 and 2.0 Type-C. Other features include two-lane operation with existing USB Type-C cables, multiple data and display protocols, and the ability to simultaneously transfer both audio and video over the same connection.

#### FEATURES & SPECIFICATIONS

##### FEATURES:

- Speeds up to 40Gbps
- Backwards compatibility with USB 3.2 and USB 2.0 Type-C
- USB Type-C: reversable
- Mating connectors and cables
- Right angle mount orientation connectors
- Through hole or surface mount connectors
- Double-ended USB C plug cables

##### SPECIFICATIONS:

##### Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy
- Shell: Stainless steel, nickel or gold flash plated

##### Plating:

- Contact area: 30u" gold over nickel underplate
- Solder tails: matte tin over nickel underplate

##### Electrical:

- Operating voltage range: 5 to 20V
- Current rating range: 3 to 7 Amp
- Contact resistance range: 30 to 40 mohms initial
- Insulation resistance: 100 Mohms min
- Dielectric withstanding voltage: 100 VAC for 1 minute

##### Mechanical:

- Mating cycles: 10,000 insertions

##### Temperature Rating:

- Operating temperature range: -20°C to +105°C

##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053
- USB-IF Implementers Forum



PART NUMBER	MOUNTING TYPE	PRODUCT DATA
<a href="#">USB-C40-S-RA-BK-30-TR</a>	Through Hole	<a href="#">View</a>
<a href="#">USB-C40-S-RA-CS1-SMT-BK-30-TR</a>	Surface Mount	<a href="#">View</a>
<a href="#">CA-USB4-CM-CM-0.8M-A</a>	Cable	<a href="#">View</a>
<a href="#">CA-USB4-CM-CM-XXM-B</a>	Cable	<a href="#">View</a>
<a href="#">USB-C40-S-RA-CS2-SMT-BK-30-TR</a>	Surface Mount - Ruggedized	<a href="#">View</a>
<a href="#">USB-C40-S-RA-CS3-SMT-BK-30-TR</a>	Surface Mount	<a href="#">View</a>

### Special USB Connectors

Adam Tech's Special USB Connectors provide solutions to a broader range of applications. Capacity constraints are alleviated by special stacked USB connectors, which combine USB Type-A and USB Type-C ports into one connector. High retention USB connectors are available, preventing disconnects in high stress applications. This series also includes waterproof USB Type-C connectors.

#### FEATURES & SPECIFICATIONS

##### FEATURES:

- Versatile and reliable range of USB connectors
- Alleviate capacity constraints
- Prevent disconnects
- Waterproof

##### SPECIFICATIONS:

##### Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Copper alloy or phosphor bronze
- Shell: Copper alloy or stainless steel, nickel plated

##### Contact Plating:

- Contact area: Gold flash over nickel underplate
- Solder tails: Tin over nickel underplate

##### Electrical:

- Current rating range: 1.5 to 8 Amps max
- Voltage rating range: 20 to 100V AC
- Contact resistance range: 30 to 40 mohms max
- Insulation resistance range: 100 to 1000 Mohms min.
- Dielectric withstanding voltage range: 100 to 500V AC for 1 minute

##### Temperature Rating:

- Operating temperature range: -55°C to +85°C



PART NUMBER	TYPE	PRODUCT DATA
<a href="#">USB-A-C31-D-VT</a>	Stacked USB A over USB C	<a href="#">View</a>
<a href="#">USB-A-S-RA-SMT-HD-T/R</a>	High Retention USB A	<a href="#">View</a>
<a href="#">USB-A3-C31-D-RA-CS1</a>	Stacked USB A over USB C	<a href="#">View</a>
<a href="#">USB-C31-A-D-VT-CS1</a>	Stacked USB A over USB C	<a href="#">View</a>
<a href="#">USB-C31-S-RA-CS12-BK-TR</a>	High Side Retention USB C	<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-WP-BK-CS3B-TR</a>	Waterproof USB C	<a href="#">View</a>
<a href="#">USB-C31-S-RA-EH-WP-WF-BK-CS5</a>	Waterproof USB C	<a href="#">View</a>

Adam Tech DisplayPort series is a new high band width digital interface connection designed to provide true digital imaging while providing a multitude of colors and crystal clear sound through one small plug which can also supply power. There are four main links, one auxiliary channel and one hot-plug signal line. Adam Tech DisplayPort connectors are designed to work on a broad array of devices, including printers, televisions, camcorders, cameras, and DVD players. Our DisplayPort connectors are fully compatible with industry standards and are backwards compatible to VGA, DVI & HDMI.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Ultra small size package
- Hot Pluggable
- Supports color depth of 6, 8, 10, 12 and 16 bits per color components
- Supports a maximum of 8.64 Gbit/s data rate over a 2 meter cable
- Can be used in applications up to 15 meters (49.21 feet)

### MATING CONNECTORS:

Adam Tech Display Port custom cables and all industry standard Display Port Cables

### PACKAGING:

Anti-ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: LCP, Glass filled, rated UL94V-0, color

Black

Contacts: Copper Alloy

Shell: Copper Alloy, nickel plated

#### Contact Plating:

Gold over nickel underplate on mating area, Tin over Copper underplate on tails

#### Electrical:

Operating Voltage: 40V AC

Current Rating: 0.5 Amps max.

Contact Resistance: 30 mΩ max.

Insulation Resistance: 100 MΩ min.

Dielectric Withstanding Voltage: 500V AC for 1 minute

#### Mechanical:

Mating Cycles: 10,000 Cycles Min

#### Temperature Ratings:

Operating Temperature: -20°C to +85°C



## DISPLAYPORT PART NUMBER CONFIGURATION

DPC	-	S	-	RA	-	SMT	
SERIES		PORTS		ENTRY ANGLE		MOUNTING	OPTIONS:
<b>DPC-M</b> = DisplayPort Male <b>DPC-F</b> = DisplayPort Female		<b>S</b> = Single		<b>RA</b> = Right Angle		<b>BLANK</b> = Thru-Hole <b>SMT</b> = Surface Mount <b>TSMT</b> = True Surface Mount	Add designator(s) to end of part number <b>MF</b> = Mounting Flange

## MINI DISPLAYPORT PART NUMBER CONFIGURATION

MDPC	-	S	-	RA	
SERIES		PORTS		ENTRY ANGLE	OPTIONS:
<b>MDPC</b> = Mini DisplayPort Connector		<b>S</b> = Single		<b>RA</b> = Right Angle	Add designator(s) to end of part number <b>MF</b> = Mounting Flange

PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	OPTIONS	PRODUCT DATA
<a href="#">DPC-F-S-RA-CS1-15</a>	Receptacle	DisplayPort	Right Angle Thru Hole		<a href="#">View</a>
<a href="#">DPC-F-S-RA-CS2-BL-15-EMI</a>	Receptacle	DisplayPort	Right Angle Thru Hole	Board Locks	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-BL</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-BL-TR</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-NR-P</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Peg & No Rib	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-P-BL</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-P-CS2-15-TR</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Peg	<a href="#">View</a>
<a href="#">DPC-F-S-RA-SMT-P-CS3-15-KT-TR</a>	Receptacle	DisplayPort	Right Angle Surface Mount	Peg	<a href="#">View</a>
<a href="#">DPC-F-S-VT-CS1</a>	Receptacle	DisplayPort	Vertical Thru Hole		<a href="#">View</a>
<a href="#">DPC-M-SD-CS1</a>	Plug	DisplayPort	Right Angle Surface Mount		<a href="#">View</a>
<a href="#">DPC-M-SD-CS1-NL</a>	Plug	DisplayPort	Right Angle Surface Mount		<a href="#">View</a>
<a href="#">DPC-M-SD-M2-L</a>	Plug	DisplayPort	Right Angle Surface Mount		<a href="#">View</a>
<a href="#">DPD-DP-20S-HDMI19S-H</a>	Receptacle	DisplayPort / HDMI Stacked Combo	Right Angle Thru Hole		<a href="#">View</a>
<a href="#">MDPC-PLUG</a>	Plug	Mini DisplayPort			<a href="#">View</a>
<a href="#">MDPC-S-RA</a>	Receptacle	Mini DisplayPort	Right Angle Thru Hole		<a href="#">View</a>
<a href="#">MDPC-S-VT-PCB</a>	Receptacle	Mini DisplayPort	Straddle Mount		<a href="#">View</a>

High Definition Multimedia Interface (HDMI) connectors and cable assemblies are a series of products that provide an uncompressed digital link between video and audio in a single digital interface connection. Typically they are used with digital versatile (DVD) players, digital television (DVI), set top boxes and other audio/visual devices to consolidate interfaces and eliminate multiple cable assemblies. HDMI connectors are small, easy to use interconnects that can carry up to 5 Gbps of combined video and audio in a single connector/cable.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Sturdy, industry compatible design
- Eliminates multiple connectors and cables
- Up to 5 Gbps in single interface
- Variety of mounting styles
- Fully shielded for ESD protection
- Compact 0.50mm (.019") pitch SMT design

#### MATING CONNECTORS:

All industry standard HDMI connectors.

#### PACKAGING:

Anti ESD plastic trays or Tubes

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: Hi-Temperature thermoplastic, glass filled, rated UL94V-0

Insulator Color: Black

Shell: Phosphor Bronze, Nickel plated

Contacts: Phosphor Bronze

#### Plating:

Gold over nickel underplate on mating area, tin over copper underplate on tails

#### Electrical:

Operating Voltage: 30V AC

Current Rating: 0.5 Amps Max.

Contact Resistance: 10 mΩ Max.

Insulation Resistance: 100 MΩ Min.

Dielectric Withstanding Voltage: 300V AC for 1 Minute

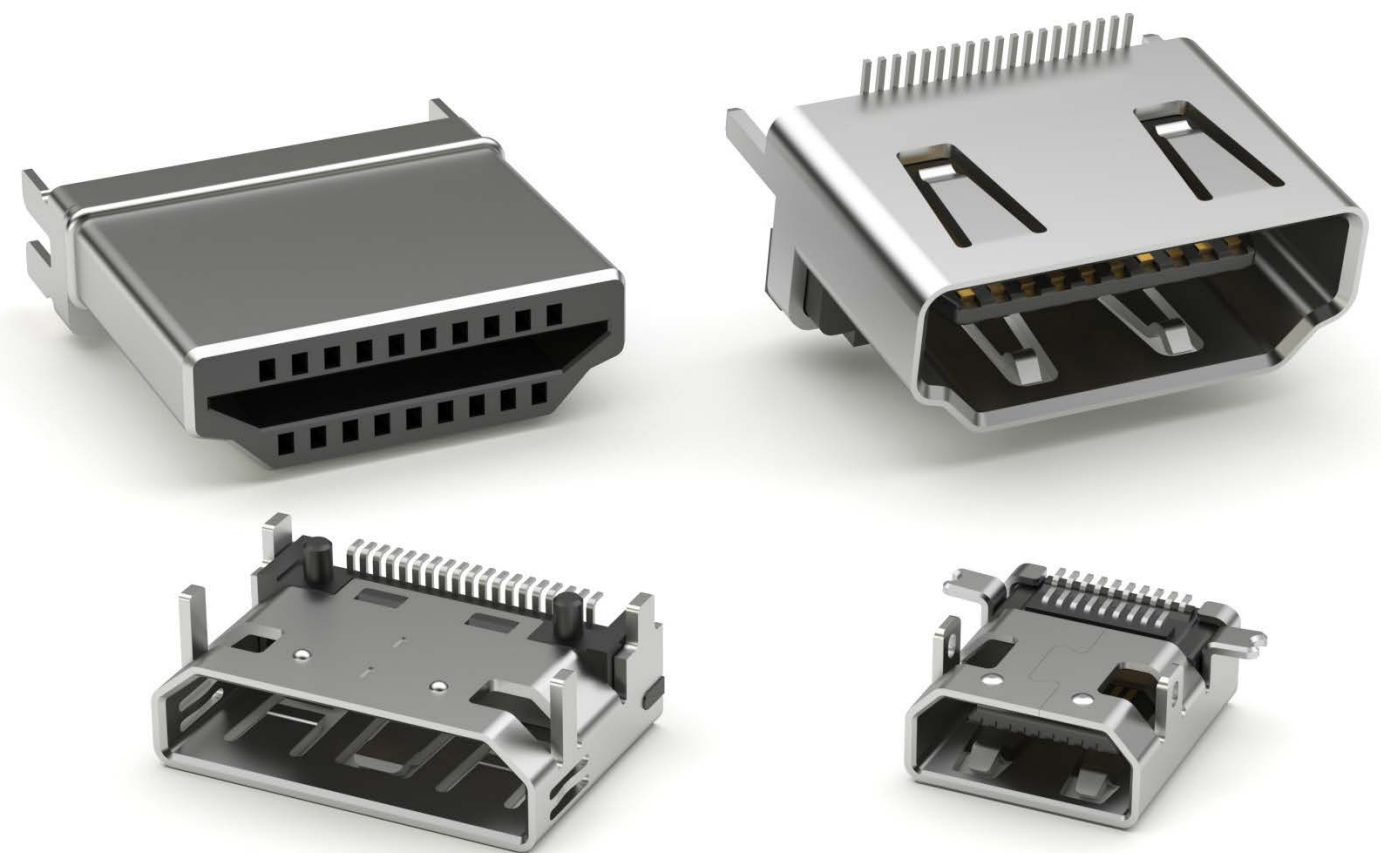
#### Mechanical:

Insertion force: 10.0 lbs max.

Withdrawal force: 2.2 lbs min.

#### Temperature Rating:

Operation Temperature: -55°C ~ +85°C



PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	OPTIONS	PORTS	PRODUCT DATA
<a href="#">HDMI-D-RA-1-MF</a>	Receptacle	HDMI	Right Angle Thru Hole	Mounting Flange	Dual Port	<a href="#">View</a>
<a href="#">HDMI-F-S-WPH</a>	Receptacle	HDMI		Waterproof	Single Port	<a href="#">View</a>
<a href="#">HDMI-M-S-WPH</a>	Receptacle	HDMI		Waterproof	Single Port	<a href="#">View</a>
<a href="#">HDMI-PLUG-OM3</a>	Plug	HDMI	Straddle Mount			<a href="#">View</a>
<a href="#">HDMI-PLUG-OM7</a>	Plug	HDMI	Straddle Mount			<a href="#">View</a>
<a href="#">HDMI-S-RA-1</a>	Receptacle	HDMI	Right Angle Thru Hole		Single Port	<a href="#">View</a>
<a href="#">HDMI-S-RA-1-SMT-03B-15</a>	Receptacle	HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">HDMI-S-RA-SMT</a>	Receptacle	HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">HDMI-S-RA-SMT-A-TR</a>	Receptacle	HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">HDMI-S-RA-SMT-MF</a>	Receptacle	HDMI	Right Angle Surface Mount	Mounting Flange	Single Port	<a href="#">View</a>
<a href="#">HDMI-S-V-1-SM</a>	Receptacle	HDMI	Right Angle Thru Hole		Single Port	<a href="#">View</a>
<a href="#">HDMI-S-V-1-SMT</a>	Receptacle	HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">HDMI21-S-RA-SMT-TR</a>	Receptacle	HDMI 2.1	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">MCHDMI-PLUG-OM1</a>	Plug	Micro HDMI				<a href="#">View</a>
<a href="#">MCHDMI-PLUG-OM2</a>	Plug	Micro HDMI	Straddle Mount			<a href="#">View</a>
<a href="#">MCHDMI-S-RA-1-SMT</a>	Receptacle	Micro HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">MCHDMI-S-RA-2-SMT</a>	Receptacle	Micro HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">MHDMI-PLUG-OM</a>	Plug	Mini HDMI				<a href="#">View</a>
<a href="#">MHDMI-PLUG-OM3</a>	Plug	Mini HDMI				<a href="#">View</a>
<a href="#">MHDMI-S-RA-SMT</a>	Receptacle	Mini HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>
<a href="#">MHDMI-S-RA-SMT-B-TR</a>	Receptacle	Mini HDMI	Right Angle Surface Mount		Single Port	<a href="#">View</a>

### PART NUMBER CONFIGURATION

SERIES	PORTS	ENTRY ANGLE	MOUNTING	OPTIONS:
<b>HDMI</b> = HDMI <b>MHDMI</b> = Mini HDMI <b>MCHDMI</b> = Micro HDMI	<b>S</b> = Single <b>D</b> = Dual <b>M</b> = ? <b>PLUG</b> = Plug	<b>RA</b> = Right Angle	<b>1</b> = Thru-Hole <b>SMT</b> = Surface Mount <b>TSMT</b> = True Surface Mount	Add designator(s) to end of part number <b>15</b> = 15 μin gold plating in contact area <b>MF</b> = Mounting Flange <b>R</b> = Reverse Layout <b>WPH</b> = Waterproof

Adam Tech's Ultra High Speed HDMI™ 2.1 connector and cables provide uncompressed 8K video with HDR, and support bandwidth speeds up to 48 Gbps. They also support 4K video, eARC (Enhanced Audio Return Channel), VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), QFT (Quick Frame Transport), and QMS (Quick Media Switching). The cables are available in lengths of 3ft, 6ft, 10ft, and 16.5ft.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Connector: HDMI A 2.1 receptacle
- Double ended HDMI A 2.1 plugs
- 8K UHD (7680 × 4320) at 60Hz
- 4K UHD (3840 × 2160) at 120Hz
- Supports speeds up to 48 Gbps
- Low EMI interference
- Top quality audio with eARC
- Enhanced gaming capabilities with VRR, ALLM, and QFT
- Smooth frame rate transitions with QMS
- Multiple cable lengths

### APPLICATIONS:

- Audio/video data transfer
- Televisions
- Gaming consoles
- DVD/Blu-ray/Ultra HD players
- Media streaming devices
- Cable boxes
- Computers
- Entertainment systems

### SPECIFICATIONS:

#### Material:

- Housing: Hi-temp thermoplastic, rated UL 94V-0
- Housing color: Black
- Contacts: Brass
- Shell: Brass, nickel plated

#### Plating:

- Contact area: Gold flash over nickel underplate
- Solder tails: Tin over nickel underplate

#### Electrical:

- Contact resistance: 30 mohms max
- Insulation resistance: 100 Mohms min
- Dielectric withstanding voltage: 300 VAC

#### Mechanical:

- Insertion force: 4.5Kgf max
- Withdrawal force: 1.0kgf to 4.0kgf
- Durability: 10,000 cycles



# HDMI 2.1

### Connector

PART NUMBER	GENDER	VERSION	MOUNTING ORIENTATION	PORTS	PRODUCT DATA
<a href="#">HDMI21-S-RA-SMT-TR</a>	Receptacle	HDMI 2.1	Right Angle Surface Mount	Single Port	<a href="#">View</a>

### Cable Assemblies

PART NUMBER	DESCRIPTION	LENGTH	COLOR	PRODUCT DATA
<a href="#">CA-HDMI21-AM-AM-10FT</a>	HDMI 2.1 Male to HDMI 2.1 Male	10 Foot	Black	<a href="#">View</a>
<a href="#">CA-HDMI21-AM-AM-16.5FT</a>	HDMI 2.1 Male to HDMI 2.1 Male	16.5 Foot	Black	<a href="#">View</a>
<a href="#">CA-HDMI21-AM-AM-3FT</a>	HDMI 2.1 Male to HDMI 2.1 Male	3 Foot	Black	<a href="#">View</a>
<a href="#">CA-HDMI21-AM-AM-6FT</a>	HDMI 2.1 Male to HDMI 2.1 Male	6 Foot	Black	<a href="#">View</a>

Adam Tech multiple pitch Headers and Housings are a matched set of Crimp Wire Housings and PCB mounted Shrouded Headers available in Straight, Right Angle or SMT orientation. Available pitches are .031", .039", .047", .049", .059", .079" and .098" centerlines. Offered in various popular industry standard styles they provide a lightweight, fine pitched, polarized, high reliability connection system.

## FEATURES & SPECIFICATIONS

### FEATURES:

Multiple pitches and configurations  
Matched Housing & Header system  
Straight, Right Angle or SMT Headers  
Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0  
Contacts: Brass

#### Plating:

Tin over copper underplate overall

### Electrical:

Operating voltage: 100V AC max.  
Current rating: 0.5 - 3 Amps max.  
Insulation resistance: 1000 M $\Omega$  min.  
Dielectric withstanding voltage: 800V AC for 1 minute

### Mechanical:

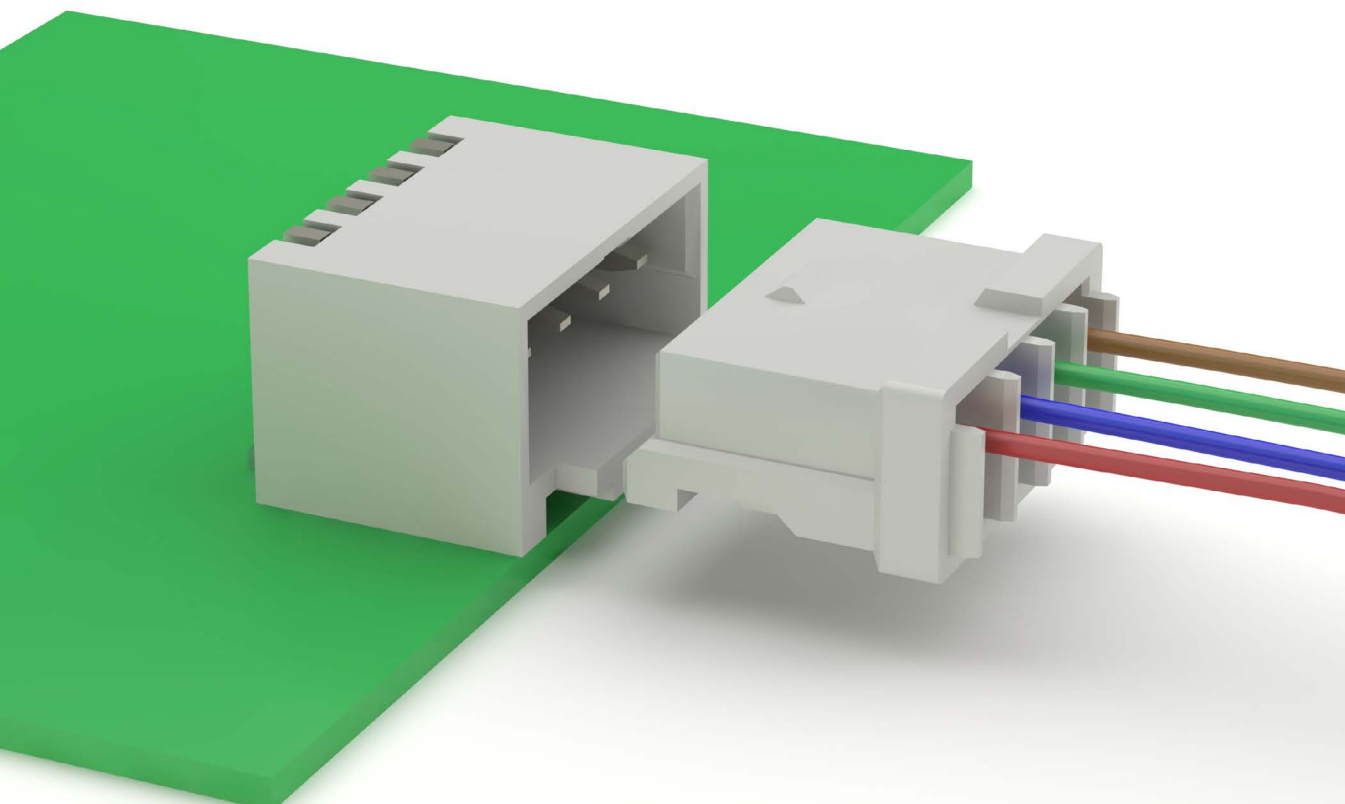
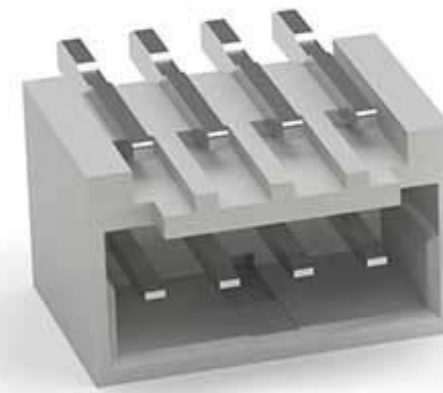
Insertion force: 1.28 lbs max  
Withdrawal force: 0.180 lbs min.

### Temperature Rating:

Operating temperature range: -25°C to +85°C

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



### FEATURES & SPECIFICATIONS

#### FEATURES:

.031" [0.8mm] pitch  
 Multiple positions and configurations  
 Matched Housing & Header system  
 Straight, Right Angle or SMT Headers  
 Sure fit, Fine Pitched & Polarized

#### MATING CONNECTORS:

Each set has a male and female mate

#### SPECIFICATIONS:

##### Material:

Insulator:  
 Thru-hole: PBT, glass reinforced, rated UL94V-0  
 SMT: Nylon 46 or 6T, rated UL94V-0  
 Contacts: Brass

#### Plating:

Gold over Nickel underplate overall

#### Electrical:

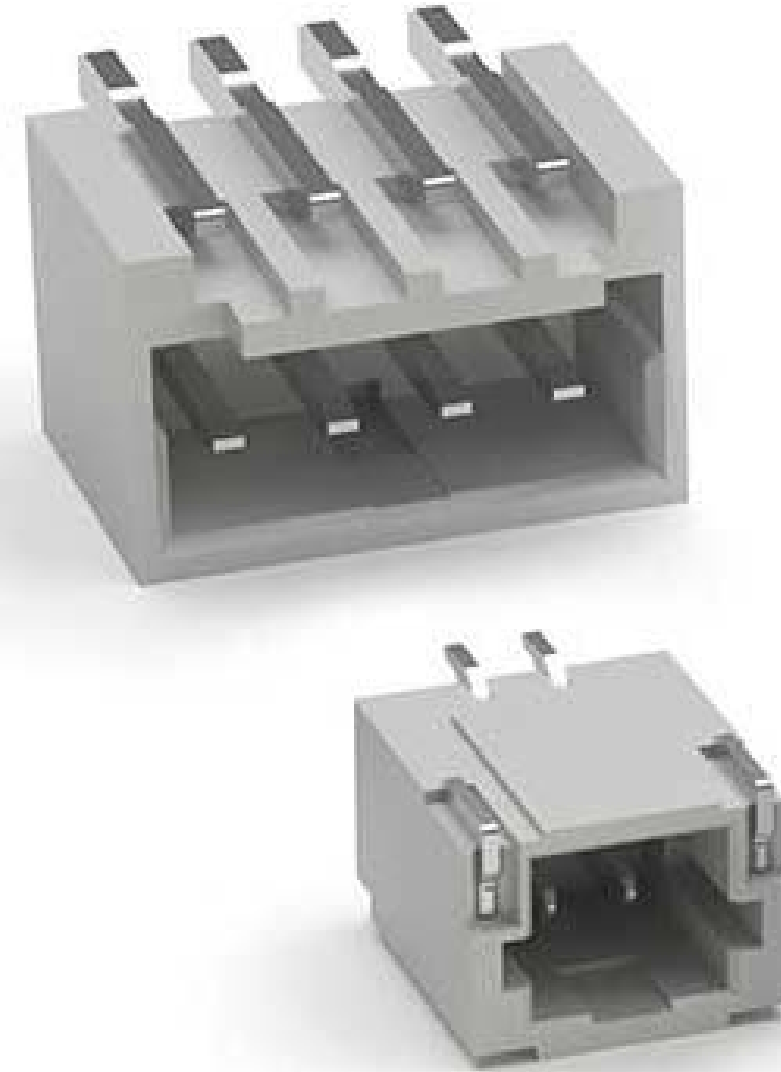
Operating voltage: 50V AC max.  
 Current rating: 0.5 Amps max.  
 Insulation resistance: 100 MΩ min.  
 Dielectric withstanding voltage: 200V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



### PART NUMBER CONFIGURATION

SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:
<b>08SH</b> = 0.80mm Single Row	<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>C</b> = Body Style "C"	<b>02</b> Thru <b>20</b>	<b>GR</b> = Gold Straight PCB <b>GS</b> = Gold Right Angle PCB	Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>NP</b> = No Pegs <b>NK</b> = No Kink

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
<a href="#">08SH-A-XX-GS-SMT-PP-TR</a>	.031" [0.80mm]	A	Vertical	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
<a href="#">08SH-A-XX-TR-SMT-TR</a>	.031" [0.80mm]	A	Right Angle	Through Hole	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">08SH-A-XX-TS-SMT</a>	.031" [0.80mm]	A	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">08SH-A-XX-TS-SMT-PP-TR</a>	.031" [0.80mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">08SH-B-XX-TR-SMT-TR</a>	.031" [0.80mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">08SH-B-XX-TS-SMT-TR</a>	.031" [0.80mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">08SH-C-XX-GR-SMT</a>	.031" [0.80mm]	C	Right Angle	Surface Mount	Gold	1	Tube	<a href="#">View</a>
<a href="#">08SH-C-XX-TR-SMT</a>	.031" [0.80mm]	C	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.031" [0.8MM] WIRE HOUSING & CRIMP TERMINAL

## FEATURES & SPECIFICATIONS

### FEATURES:

- .031" [0.8mm] pitch
- Multiple positions and configurations
- Gold or tin plated crimp terminals
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

- Insulator: Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0
- Contacts: Brass

#### Plating:

Gold over Nickel underplate overall

#### Electrical:

- Operating voltage: 50V AC max.
- Current rating: 0.5 Amps max.
- Insulation resistance: 100 MΩ min.
- Dielectric withstanding voltage: 200V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

## CRIMP HOUSING PART NUMBER CONFIGURATION

**08CH - B - 4 - IDC**

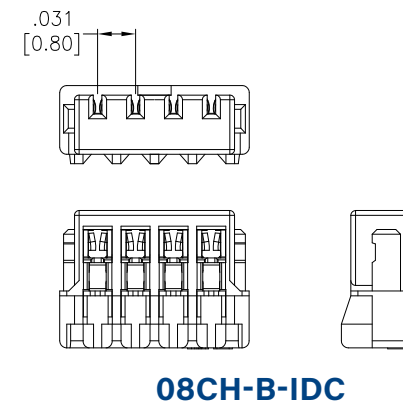
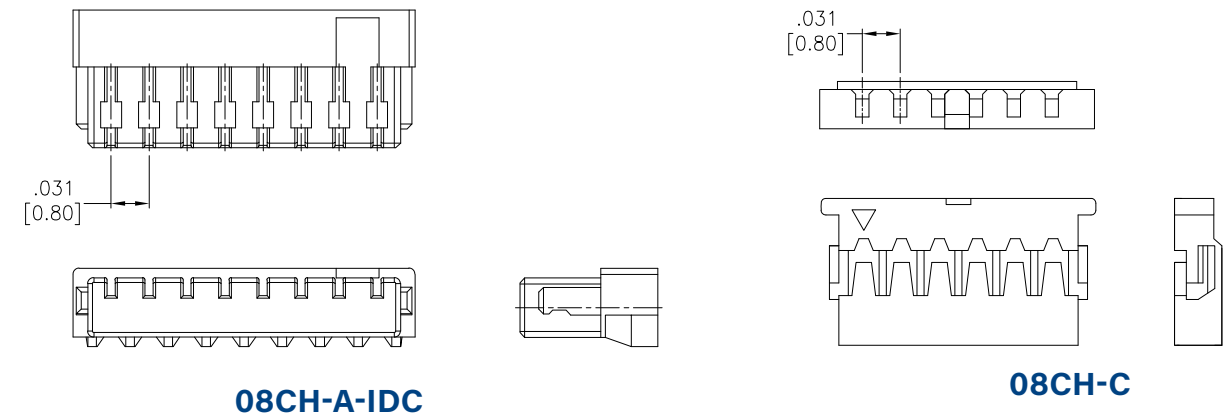
SERIES	BODY STYLE	POSITIONS	OPTIONS:
<b>08CH</b> = 0.80mm Single Row	<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>C</b> = Body Style "C"	<b>02</b> Thru <b>20</b>	Add designator(s) to end of part number: <b>IDC</b> = IDC Type <b>G</b> = Gold plated

## CRIMP CONTACT PART NUMBER CONFIGURATION

**08CTX - R - G**

SERIES	PACKAGING	OPTIONS:
<b>08CTX</b> = 0.80mm Body Style Contact Replace X with housing body style	<b>R</b> = Piece Reel	Add designator(s) to end of part number: <b>G</b> = Gold plated

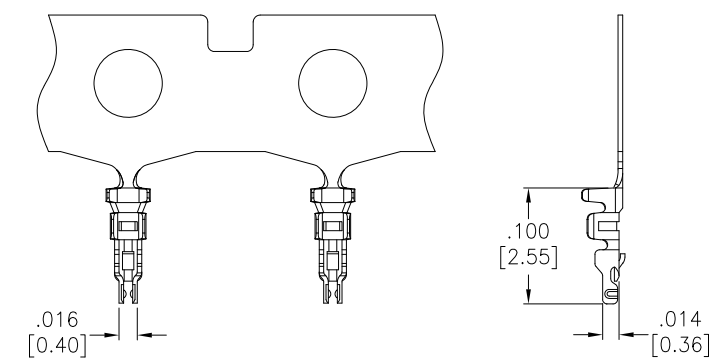
## 08CH HOUSINGS



## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
<b>08CH-A-XX-G-IDC</b>	.031" [0.80mm]	A	1	IDC	<a href="#">View</a>
<b>08CH-B-XX-G-IDC</b>	.031" [0.80mm]	B	1	IDC	<a href="#">View</a>
<b>08CH-C-XX</b>	.031" [0.80mm]	C	1	Crimp	<a href="#">View</a>

## 08CTC CRIMP CONTACT



## CRIMP CONTACT

PART NUMBER	PITCH	BODY STYLE	PLATING	PRODUCT DATA
<b>08CTC-G-R</b>	.031" [0.80mm]	C	Gold	



### FEATURES & SPECIFICATIONS

#### FEATURES:

.039" [1.0mm] pitch  
 Multiple positions and configurations  
 Matched Housing & Header system  
 Straight, Right Angle or SMT Headers  
 Sure fit, Fine Pitched & Polarized

#### MATING CONNECTORS:

Each set has a male and female mate

#### SPECIFICATIONS:

##### Material:

Insulator:  
 Thru-hole: PBT, glass reinforced, rated UL94V-0  
 SMT: Nylon 46 or 6T, rated UL94V-0  
 Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

Operating voltage: 50V AC max.  
 Current rating: 1 Amps max.  
 Insulation resistance: 100 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

#### Temperature Rating:

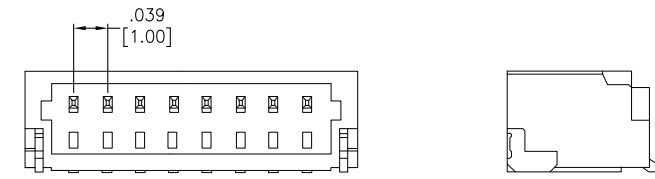
Operating temperature range: -25°C to +85°C

#### APPROVALS AND CERTIFICATIONS:

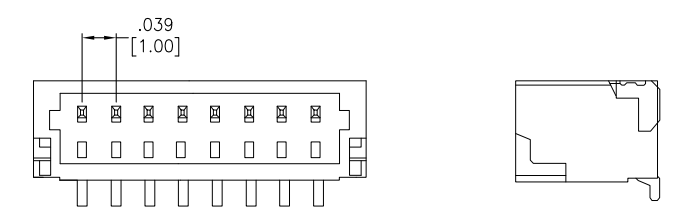
UL Recognized File no. E224053

### 1SH

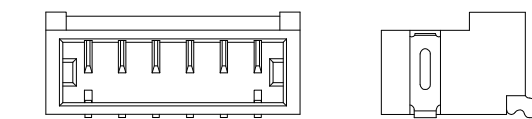
#### BODY STYLE A RIGHT ANGLE SMT



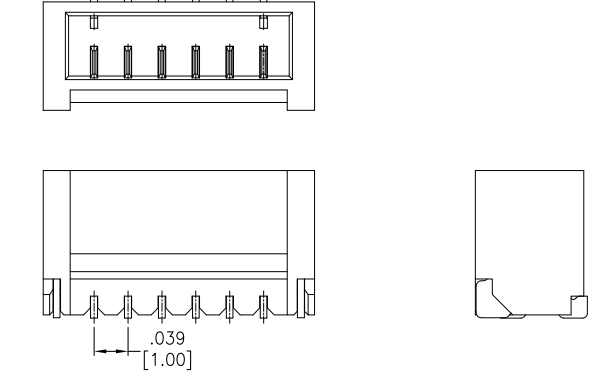
#### BODY STYLE A STRAIGHT SMT



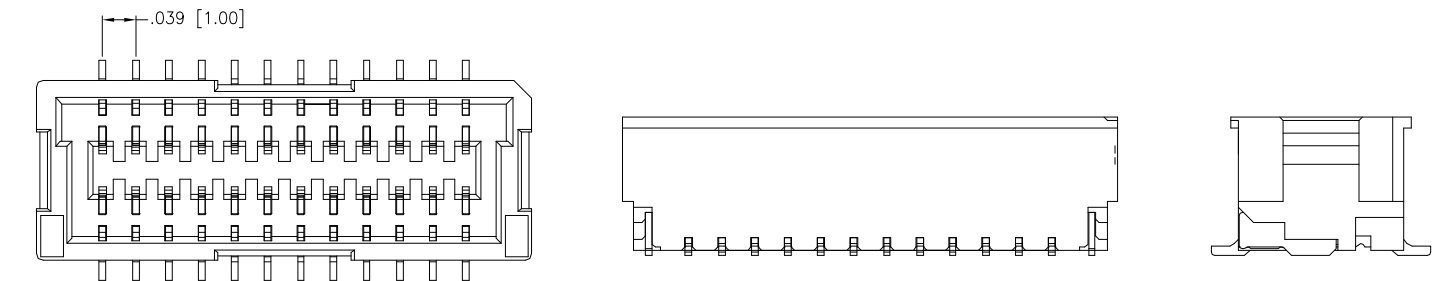
#### BODY STYLE C1 RIGHT ANGLE SMT



#### BODY STYLE C1 STRAIGHT SMT



### 1SHD-B



### PART NUMBER CONFIGURATION

1SH	-	B	-	4	-	GS	-	SMT
SERIES		BODY STYLE		POSITIONS		PIN ANGLE		OPTIONS:
<b>1SH</b> = 1.00mm Single Row <b>1SHD</b> = 1.00mm Dual Row		<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>C</b> = Body Style "C" <b>C1</b> = Body Style "C1"		<b>02 Thru 20</b>		<b>GS</b> = Gold Straight PCB <b>GR</b> = Gold Right Angle PCB <b>TS</b> = Tin Straight PCB <b>TR</b> = Tin Right Angle PCB		Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel Packaging

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
<a href="#">1SH-A-XX-GR-SMT-TR</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-GS-SMT-TR</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-MTR-SMT</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">1SH-A-XX-MTR-SMT-TR</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-MTS-SMT-PP-TR</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-MTS-SMT-TR</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-TR-SMT</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">1SH-A-XX-TR-SMT-TR</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A-XX-TS-SMT</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">1SH-A-XX-TS-SMT-TR</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A1-XX-TR-SMT-TR</a>	.039" [1.00mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-A1-XX-TS-SMT-PP-TR</a>	.039" [1.00mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">1SH-B-XX-TR-SMT</a>	.039" [1.00mm]	B	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.039" [1.0MM] WIRE HOUSING & CRIMP TERMINAL, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

.039" [1.0mm] pitch  
Multiple positions and configurations  
Gold or tin plated crimp terminals  
Matched Housing & Header system  
Straight, Right Angle or SMT Headers  
Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0  
Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

Operating voltage: 50V AC max.  
Current rating: 1 Amps max.  
Insulation resistance: 100 MΩ min.  
Dielectric withstanding voltage: 500V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

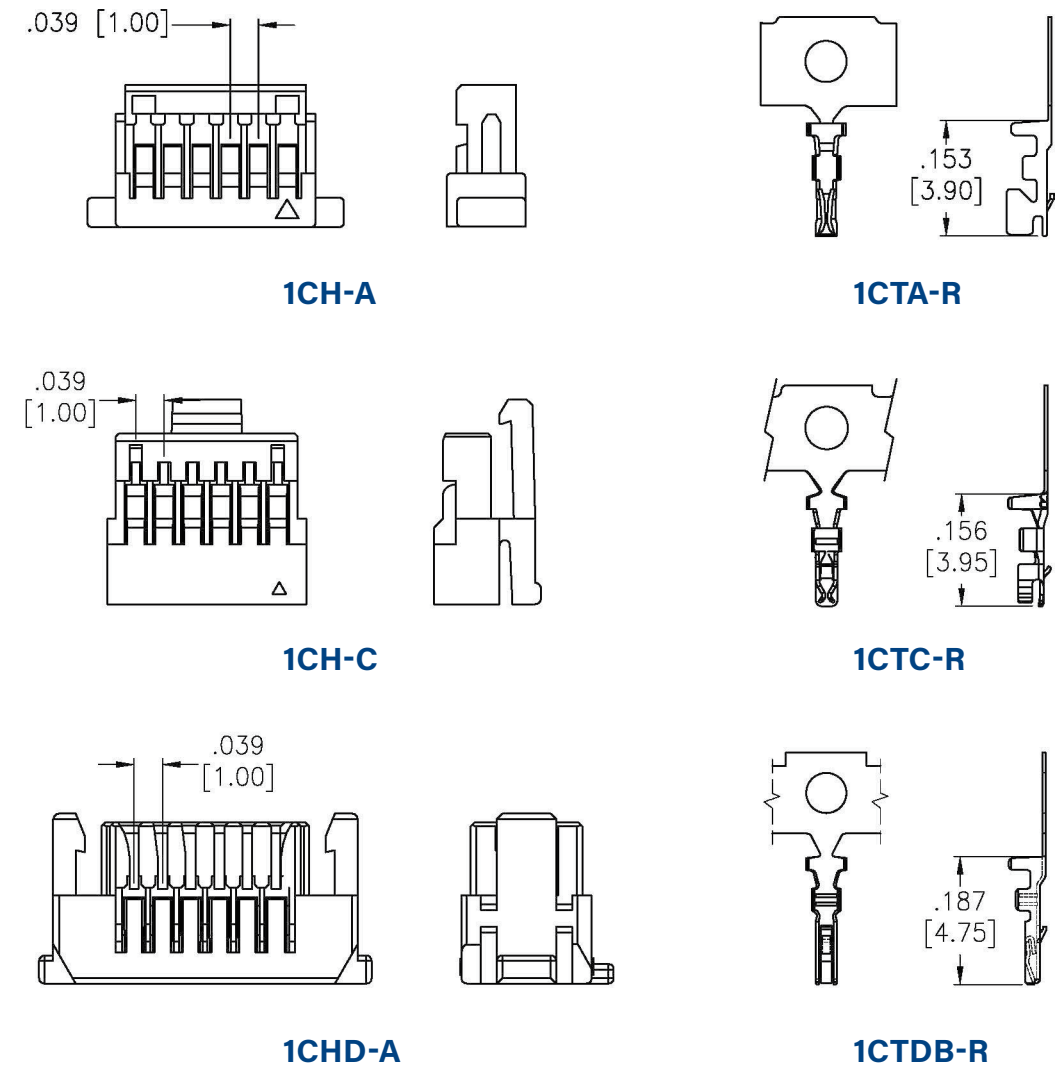
## CRIMP HOUSING PART NUMBER CONFIGURATION

1CH - B - 4 - G			
SERIES	BODY STYLE	POSITIONS	OPTIONS:
<b>1CH</b> = 1.00mm Single Row <b>1CHD</b> = 1.00mm Dual Row	<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>C</b> = Body Style "C" <b>Z</b> = Body Style "Z" <b>Z1</b> = Body Style "Z1"	<b>02 Thru 20</b>	Add designator(s) to end of part number: <b>NE</b> = No Ears

## CRIMP CONTACT PART NUMBER CONFIGURATION

1CTX - R - G		
SERIES	PACKAGING	OPTIONS:
<b>1CTX</b> = 1.00mm Body Style Contact <b>1CTDX</b> = 1.00mm Body Style Contact Replace X with housing body style	<b>R</b> = Piece Reel	Add designator(s) to end of part number: <b>G</b> = Gold plated

## 1CH HOUSINGS AND 1CT CRIMPS



## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
<b>1CH-A-XX</b>	.039" [1.00mm]	A	1	Crimp	<a href="#">View</a>
<b>1CH-A-XX-NE</b>	.039" [1.00mm]	A	1	Crimp	<a href="#">View</a>
<b>1CH-Z-XX</b>	.039" [1.00mm]	Z	2	Crimp	<a href="#">View</a>
<b>1CHD-B-XX</b>	.039" [1.00mm]	B	2	Crimp	<a href="#">View</a>

## CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
<b>1CTA-G-R</b>	.039" [1.00mm]	A	Gold	<a href="#">View</a>
<b>1CTA-MT-R</b>	.039" [1.00mm]	A	Tin	<a href="#">View</a>
<b>1CTA-R</b>	.039" [1.00mm]	A	Tin	<a href="#">View</a>
<b>1CTDB-G-R</b>	.039" [1.00mm]	B	Gold	<a href="#">View</a>
<b>1CTDB-R</b>	.039" [1.00mm]	B	Tin	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.049" [1.25MM] HEADERS, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- .049" [1.25mm] pitch
- Multiple positions and configurations
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

- Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0
- Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

- Operating voltage: 50 - 150V AC max.
- Current rating: 1 Amp max.
- Insulation resistance: 100 MΩ min.
- Contact Resistance: 20 mohms max.
- Dielectric withstanding voltage: 500V AC for 1 minute

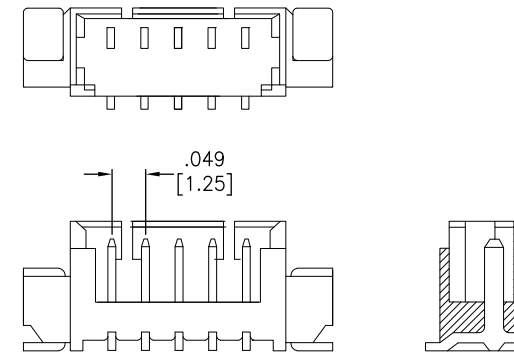
#### Temperature Rating:

Operating temperature range: -25°C to +85°C

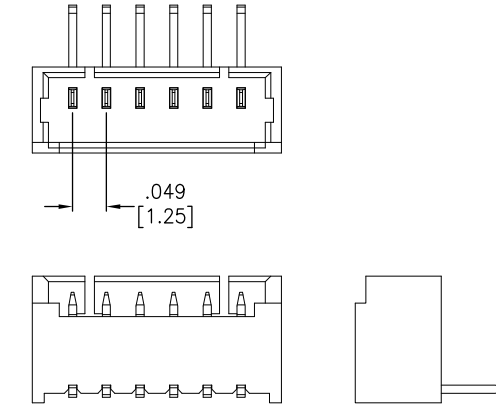
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

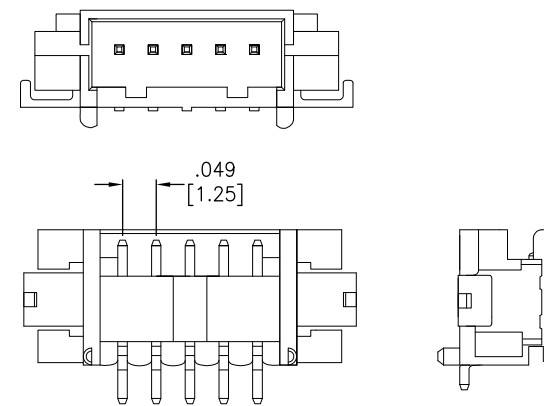
### 125SH-A STRAIGHT SMT



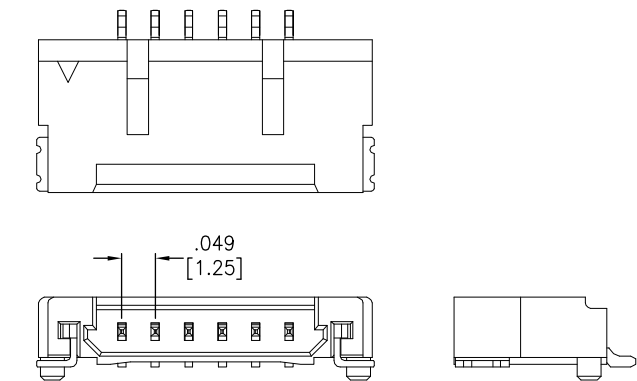
### 125SH-B RIGHT ANGLE



### 125SH-C RIGHT ANGLE SMT



### 125SH-D RIGHT ANGLE



## PART NUMBER CONFIGURATION

125SH-	C	-	4	-	TS	-	NP
SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:			
<b>125SH</b> = 1.25mm Single Row <b>125SHD</b> = 1.25mm Dual Row	<b>A</b> = Body Style "A" <b>A1</b> = Body Style "A1" <b>A2</b> = Body Style "A2" <b>A3</b> = Body Style "A3" <b>B</b> = Body Style "B" <b>BA</b> = Body Style "BA" <b>B1</b> = Body Style "B1" <b>B2</b> = Body Style "B2" <b>B3</b> = Body Style "B3" <b>C</b> = Body Style "C" <b>C1</b> = Body Style "C1" <b>D</b> = Body Style "D" <b>E</b> = Body Style "E" <b>E1</b> = Body Style "E1" <b>F</b> = Body Style "F" <b>G</b> = Body Style "G" <b>G1</b> = Body Style "G1" <b>H</b> = Body Style "H" <b>K</b> = Body Style "K" <b>M</b> = Body Style "M" <b>N</b> = Body Style "N"	<b>02</b> Thru <b>15</b>	<b>GS</b> = Gold Straight PCB <b>GR</b> = Gold Right Angle PCB <b>TS</b> = Tin Straight PCB <b>TR</b> = Tin Right Angle PCB	Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel Packaging			

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
125SH-A-XX-TR	.049" [1.25mm]	A	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-A-XX-TR-SMT	.049" [1.25mm]	A	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-A-XX-TR-SMT-TR	.049" [1.25mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-A-XX-TS	.049" [1.25mm]	A	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-A-XX-TS-SMT	.049" [1.25mm]	A	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-A-XX-TS-SMT-TR	.049" [1.25mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-09-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-MTR-SMT	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-B-XX-MTR-SMT-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-MTS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TR	.049" [1.25mm]	B	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-B-XX-TR-SMT	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-B-XX-TR-SMT-BK-HF-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TR-SMT-PB-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TR-SMT-TR	.049" [1.25mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TS	.049" [1.25mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-B-XX-TS-118	.049" [1.25mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-B-XX-TS-SMT	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.049" [1.25MM] HEADERS, SINGLE & DUAL ROW

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
125SH-B-XX-TS-SMT-PB-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B-XX-TS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B1-XX-MTS-SMT-HF	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-B1-XX-TS-SMT-HF-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B2-XX-TS-SMT-PP-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-B2-XX-TS-SMT-TR	.049" [1.25mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-C-XX-TR	.049" [1.25mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-C-XX-TR-SMT-TR	.049" [1.25mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-C-XX-TS	.049" [1.25mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-C-XX-TS-SMT-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-C1-XX-GS-SMT-NP-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
125SH-D-XX-TR-SMT	.049" [1.25mm]	D	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-D-XX-TR-SMT-TR	.049" [1.25mm]	D	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-E-XX-GR-SMT-TR	.049" [1.25mm]	E	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
125SH-F-09-XS-SM	.049" [1.25mm]	F	Vertical	Through Hole	Tin or Gold	1	Tube	<a href="#">View</a>
125SH-F-15-XS-SM	.049" [1.25mm]	F	Vertical	Through Hole	Tin or Gold	1	Tube	<a href="#">View</a>
125SH-G-XX-TR-SMT-TR	.049" [1.25mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-G1-XX-GR-SMT	.049" [1.25mm]	G	Right Angle	Surface Mount	Gold	1	Tube	<a href="#">View</a>
125SH-G1-XX-TR-SMT	.049" [1.25mm]	G	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-H-XX-GR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
125SH-H-XX-SGR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
125SH-H-XX-TR	.049" [1.25mm]	H	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SH-H-XX-TR-SMT-TR	.049" [1.25mm]	H	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-K-XX-TR-SMT	.049" [1.25mm]	K	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-K-XX-TR-SMT-TR	.049" [1.25mm]	K	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-K-XX-TS-SMT	.049" [1.25mm]	K	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
125SH-K-XX-TS-SMT-PP-TR	.049" [1.25mm]	K	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
125SH-M-XX-TR	.049" [1.25mm]	M	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
125SHD-C1-XX-GS-SMT-PP-TR	.049" [1.25mm]	C	Vertical	Surface Mount	Gold	2	Tape & Reel	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.049" [1.25MM] WIRE HOUSING & CRIMP TERMINAL, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- .049" [1.25mm] pitch
- Multiple positions and configurations
- Gold or tin plated crimp terminals
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

Insulator:  
 Thru-hole: PBT, glass reinforced, rated UL94V-0  
 SMT: Nylon 46 or 6T, rated UL94V-0  
 Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

Operating voltage: 50 - 150V AC max.  
 Current rating: 1 Amp max.  
 Insulation resistance: 100 MΩ min.  
 Contact Resistance: 20 mohms max.  
 Dielectric withstanding voltage: 500V AC for 1 minute

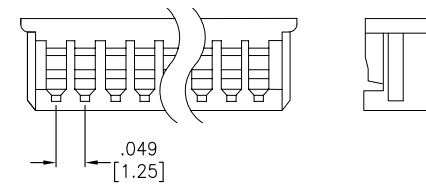
#### Temperature Rating:

Operating temperature range: -25°C to +85°C

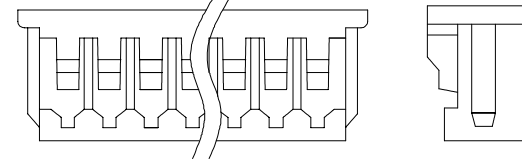
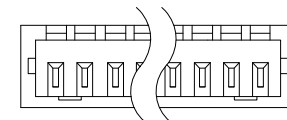
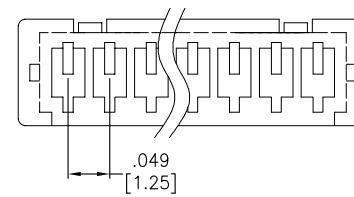
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UL Recognized File no. E224053

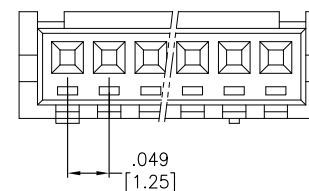
125CH-A



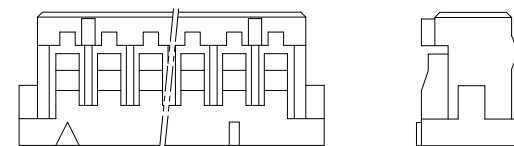
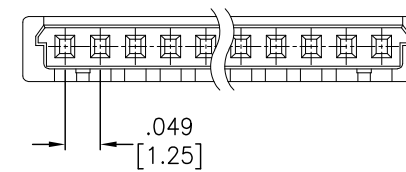
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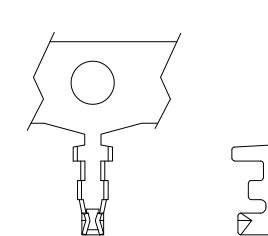
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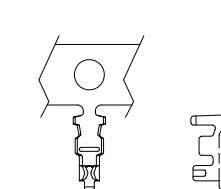
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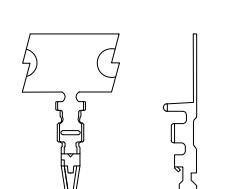
125CTB-R



125CTC-R



125CTD-R



## CRIMP HOUSING PART NUMBER CONFIGURATION

**125CH- E - 4 - G**

SERIES	BODY STYLE	POSITIONS	OPTIONS:
<b>125CH</b> = 1.25mm Single Row	<b>A</b> = Body Style "A"	<b>02 Thru 15</b>	Add designator(s) to end of part number: <b>HF</b> = Halogen Free
<b>125CHD</b> = 1.25mm Dual Row	<b>A1</b> = Body Style "A1"		
	<b>B</b> = Body Style "B"		
	<b>B1</b> = Body Style "B1"		
	<b>B3</b> = Body Style "B3"		
	<b>C</b> = Body Style "C"		
	<b>C1</b> = Body Style "C1"		
	<b>D</b> = Body Style "D"		
	<b>E</b> = Body Style "E"		
	<b>G</b> = Body Style "G"		
	<b>G1</b> = Body Style "G1"		
	<b>H</b> = Body Style "H"		
	<b>K</b> = Body Style "K"		
	<b>M</b> = Body Style "M"		

## CRIMP CONTACT PART NUMBER CONFIGURATION

**125CTX - R - G**

SERIES	PACKAGING	OPTIONS:
<b>125CTX</b> = 1.25mm Body Style Contact	<b>R</b> = Piece Reel	Add designator(s) to end of part number: <b>G</b> = Gold plated
<b>125CTDX</b> = 1.25mm Body Style Contact		
Replace X with housing body style		

## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
125CH-A-XX	.049" [1.25mm]	A	1	Crimp	<a href="#">View</a>
125CH-B-XX	.049" [1.25mm]	B	1	Crimp	<a href="#">View</a>
125CH-B-XX-BK-HF	.049" [1.25mm]	B	1	Crimp	<a href="#">View</a>
125CH-B1-XX-HF	.049" [1.25mm]	B	1	Crimp	<a href="#">View</a>
125CH-BL-XX	.049" [1.25mm]	B	1	Crimp	<a href="#">View</a>
125CH-C1-XX	.049" [1.25mm]	C	1	Crimp	<a href="#">View</a>
125CH-D-XX	.049" [1.25mm]	D	1	Crimp	<a href="#">View</a>
125CH-E-XX	.049" [1.25mm]	E	1	Crimp	<a href="#">View</a>
125CH-G-XX	.049" [1.25mm]	G	1	Crimp	<a href="#">View</a>
125CH-G1-XX	.049" [1.25mm]	G	1	Crimp	<a href="#">View</a>
125CH-H-XX	.049" [1.25mm]	H	1	Crimp	<a href="#">View</a>
125CH-K-XX	.049" [1.25mm]	K	1	Crimp	<a href="#">View</a>
125CH-M-XX	.049" [1.25mm]	M	1	Crimp	<a href="#">View</a>

## CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
125CTA-R	.049" [1.25mm]	A	Tin	<a href="#">View</a>
125CTB-R	.049" [1.25mm]	B	Tin	<a href="#">View</a>
125CTB1-R	.049" [1.25mm]	B	Tin	<a href="#">View</a>
125CTBL-R	.049" [1.25mm]	B	Tin	<a href="#">View</a>
125CTD-R	.049" [1.25mm]	D	Tin	<a href="#">View</a>
125CTD-R-G	.049" [1.25mm]	D	Gold	<a href="#">View</a>
125CTDC-R	.049" [1.25mm]	D	Tin	<a href="#">View</a>
125CTE-B-R	.049" [1.25mm]	E	Tin	<a href="#">View</a>
125CTG-B-G-R	.049" [1.25mm]	G	Gold	<a href="#">View</a>
125CTG1-G-R	.049" [1.25mm]	G	Gold	<a href="#">View</a>
125CTG1-R	.049" [1.25mm]	G	Tin	<a href="#">View</a>
125CTH-R	.049" [1.25mm]	H	Tin	<a href="#">View</a>
125CTK-R	.049" [1.25mm]	K	Tin	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.059" [1.5MM] HEADERS

## FEATURES & SPECIFICATIONS

### FEATURES:

- .059" [1.5mm] pitch
- Multiple positions and configurations
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0  
Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

Operating voltage: 100V AC max.  
Current rating: 1 Amps max.  
Insulation resistance: 500 MΩ min.  
Contact Resistance: 20 mohms max.  
Dielectric withstanding voltage: 500V AC for 1 minute

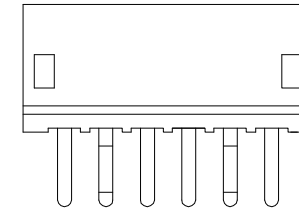
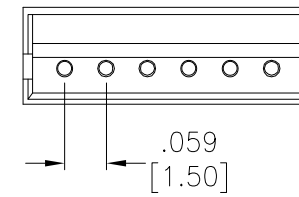
#### Temperature Rating:

Operating temperature range: -25°C to +85°C

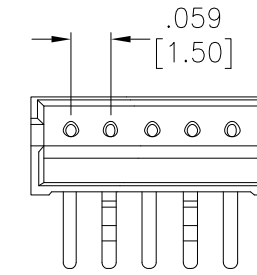
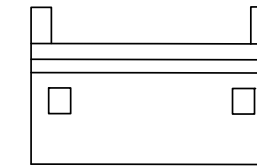
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UL Recognized File no. E224053

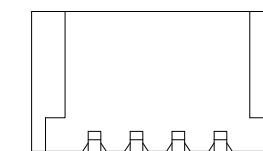
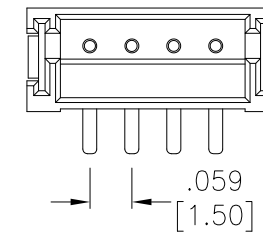
### 15SH VERTICAL



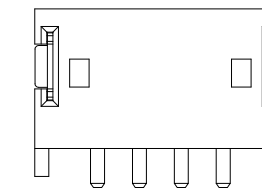
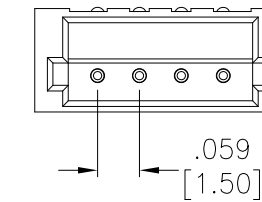
### 15SH R/A



### 15SH VERTICAL SMT



### 15SH R/A SMT



## PART NUMBER CONFIGURATION

**15SH - A - 4 - TR - WT**

SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:
<b>15SH</b> = 1.50mm Single Row	<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>B1</b> = Body Style "B1" <b>B2</b> = Body Style "B2" <b>B3</b> = Body Style "B3" <b>C</b> = Body Style "C"	<b>02 Thru 15</b>	<b>GS</b> = Gold Straight PCB <b>GR</b> = Gold Right Angle PCB <b>TS</b> = Tin Straight PCB <b>TR</b> = Tin Right Angle PCB	Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel Packaging

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
15SH-A-XX-MTS-SMT-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-A-XX-TR	.059" [1.50mm]	A	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TR-BK	.059" [1.50mm]	A	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TR-SMT	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TR-SMT-PT	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TR-SMT-TR	.059" [1.50mm]	A	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-A-XX-TS	.059" [1.50mm]	A	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TS-BK	.059" [1.50mm]	A	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TS-SMT	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TS-SMT-PP	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-A-XX-TS-SMT-PP-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-A-XX-TS-SMT-TR	.059" [1.50mm]	A	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
15SH-B-XX-MTR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-B-XX-TR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-B-XX-TR-SMT-TR	.059" [1.50mm]	B	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-B-XX-TS-SMT	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
15SH-B-XX-TS-SMT-PP-TR	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-B-XX-TS-SMT-TR	.059" [1.50mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-B1-XX-GR-SMT	.059" [1.50mm]	B	Right Angle	Surface Mount	Gold	1	Tube	<a href="#">View</a>
15SH-B1-XX-GS-SMT	.059" [1.50mm]	B	Vertical	Surface Mount	Gold	1	Tube	<a href="#">View</a>
15SH-C-XX-MTR-SMT-TR	.059" [1.50mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-C-XX-MTS-SMT-PP-TR	.059" [1.50mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-C-XX-TR-SMT-TR	.059" [1.50mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
15SH-C-XX-TS-SMT-PP-TR	.059" [1.50mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.059" [1.5MM] WIRE HOUSING & CRIMP TERMINAL

## FEATURES & SPECIFICATIONS

### FEATURES:

- .059" [1.5mm] pitch
- Multiple positions and configurations
- Gold or tin plated crimp terminals
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

- Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0
- Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

- Operating voltage: 100V AC max.
- Current rating: 1 Amps max.
- Insulation resistance: 500 MΩ min.
- Contact Resistance: 20 mohms max.
- Dielectric withstanding voltage: 500V AC for 1 minute

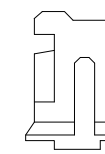
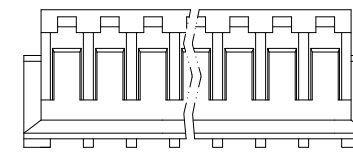
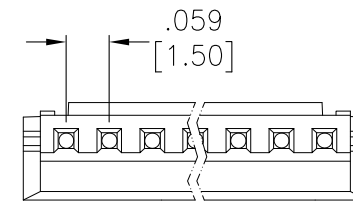
#### Temperature Rating:

Operating temperature range: -25°C to +85°C

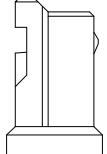
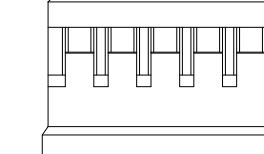
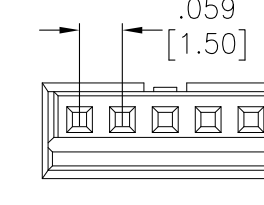
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UL Recognized File no. E224053

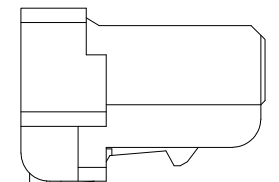
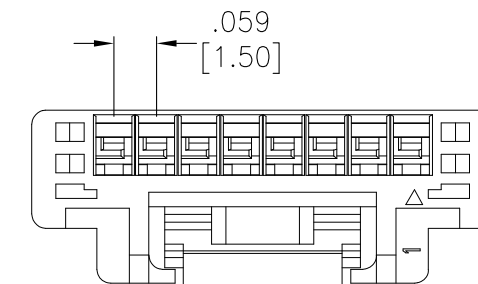
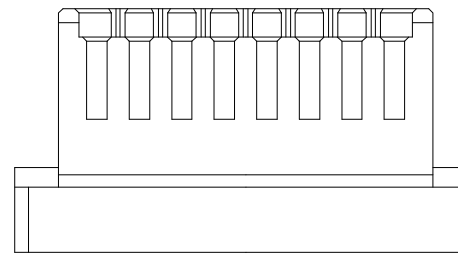
### 15CH-A



### 15CH-B



### 15CH-C



## CRIMP HOUSING PART NUMBER CONFIGURATION

15CH	-	B	-	4
SERIES		BODY STYLE		POSITIONS
<b>15CH</b> = 1.50mm Single Row <b>15CHD</b> = 1.50mm Dual Row		<b>A</b> = Body Style "A" <b>B</b> = Body Style "B" <b>B1</b> = Body Style "B1" <b>C</b> = Body Style "C"		<b>02 Thru 15</b>

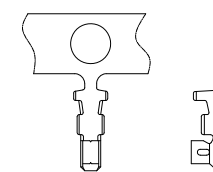
## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
<b>15CH-A-XX</b>	.059" [1.50mm]	A	1	Crimp	<a href="#">View</a>
<b>15CH-B-XX</b>	.059" [1.50mm]	B	1	Crimp	<a href="#">View</a>
<b>15CH-B1-XX</b>	.059" [1.50mm]	B	1	Crimp	<a href="#">View</a>
<b>15CH-C-XX</b>	.059" [1.50mm]	C	1	Crimp	<a href="#">View</a>

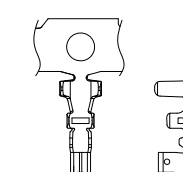
## CRIMP CONTACT PART NUMBER CONFIGURATION

15CTX	-	R	-	G
SERIES		PACKAGING		OPTIONS:
<b>15CTX</b> = 1.50mm Single Row Body Style Contact Replace X with housing body style		<b>R</b> = Piece Reel		Add designator(s) to end of part number: <b>G</b> = Gold plated

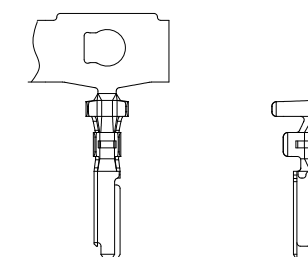
### 15CTA-R



### 15CTB-R



### 15CTC-R



## CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
<b>15CTA-R</b>	.059" [1.50mm]	A	Tin	<a href="#">View</a>
<b>15CTB-MT-R</b>	.059" [1.50mm]	B	Tin	<a href="#">View</a>
<b>15CTB-R</b>	.059" [1.50mm]	B	Tin	<a href="#">View</a>
<b>15CTB1-G-R</b>	.059" [1.50mm]	B	Gold	<a href="#">View</a>
<b>15CTC-X-R</b>	.059" [1.50mm]	C	Tin	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.079" [2.0MM] HEADERS, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- .079" [2.0mm] pitch
- Multiple positions and configurations
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

- Insulator: Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0
- Contacts: Brass

### Plating:

Tin over copper underplate overall

### Electrical:

- Operating voltage: 100V AC max.
- Current rating: 2 Amp max.
- Insulation resistance: 1,000 MΩ min.
- Contact Resistance: 20 mohms max.
- Dielectric withstanding voltage: 500V – 1000V AC for 1 minute

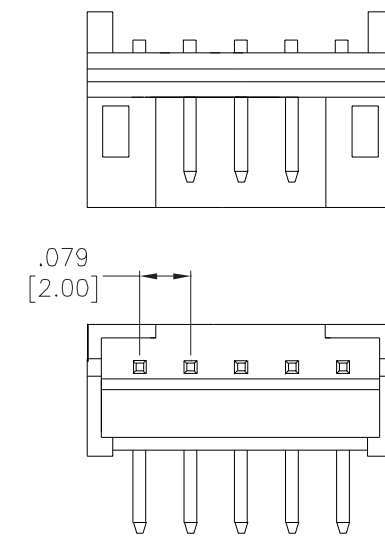
### Temperature Rating:

Operating temperature range: -25°C to +85°C

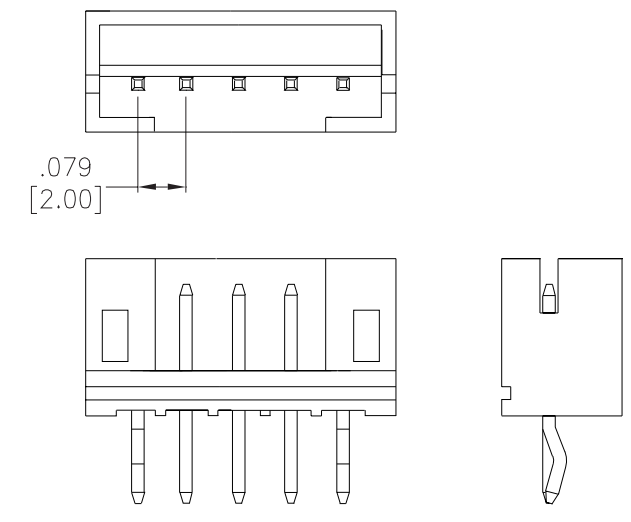
### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

2SH-C-05-TR



2SH-C-05-TS



## PART NUMBER CONFIGURATION

**2SH - J - 4 - GS - 15**

SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:
<b>2SH</b> = 2.00mm Single Row <b>2SHD</b> = 2.00mm Dual Row	<b>B</b> = Body Style "B" <b>C</b> = Body Style "C" <b>C1</b> = Body Style "C1" <b>C2</b> = Body Style "C2" <b>C3</b> = Body Style "C3" <b>C4</b> = Body Style "C4" <b>C5</b> = Body Style "C5" <b>D</b> = Body Style "D" <b>D2</b> = Body Style "D2" <b>F</b> = Body Style "F" <b>F1</b> = Body Style "F1" <b>F2</b> = Body Style "F2" <b>G</b> = Body Style "G" <b>H</b> = Body Style "H" <b>HA</b> = Body Style "HA" <b>J</b> = Body Style "J" <b>K</b> = Body Style "K" <b>K1</b> = Body Style "K1" <b>K2</b> = Body Style "K2" <b>M</b> = Body Style "M" <b>N</b> = Body Style "N" <b>P</b> = Body Style "P" <b>Q</b> = Body Style "Q"	<b>02 Thru 15</b>	<b>GS</b> = Gold Straight PCB <b>GR</b> = Gold Right Angle PCB <b>TS</b> = Tin Straight PCB <b>TR</b> = Tin Right Angle PCB	Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel Packaging

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-B-XX-SMT-A	.079" [2.00mm]	B	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-B-XX-SMT-A-TR	.079" [2.00mm]	B	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-B-XX-TR	.079" [2.00mm]	B	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-B-XX-TS	.079" [2.00mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-03-TR-SMT-X02-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-06-TR-K02-K05	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-GR-15	.079" [2.00mm]	C	Right Angle	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-C-XX-GR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-GS	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-C-XX-GS-15	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-C-XX-GS-30	.079" [2.00mm]	C	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-C-XX-GS-SMT-PP-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-MTR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-MTR-NK-094	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-MTS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-MTS-BK	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-MTS-SMT-PP-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TR-RD	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TR-SMT-BK-HF-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-TR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-TR-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tape & Reel	<a href="#">View</a>



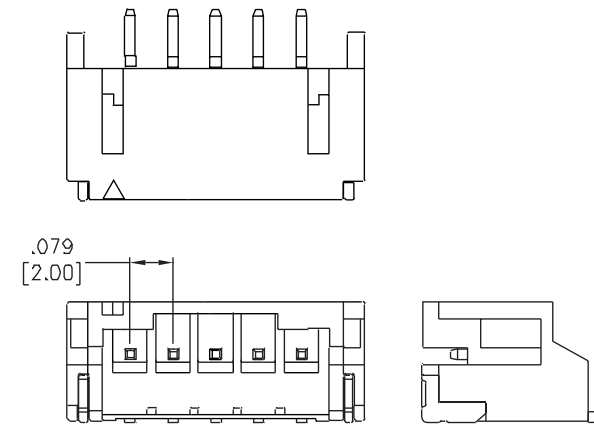
# Miniature Disconnecting Wire to Board Connectors and Systems

.079" [2.0MM] HEADERS, SINGLE & DUAL ROW

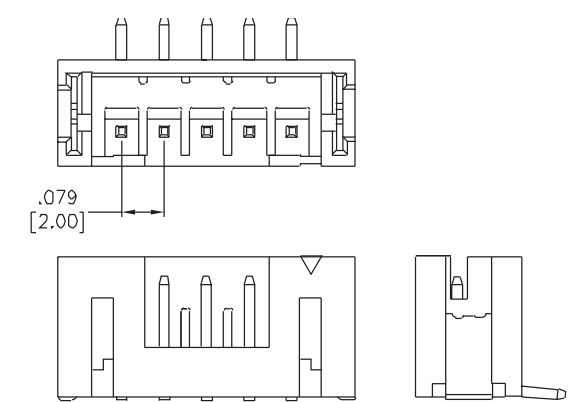
PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-C-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TS-BK	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TS-RD	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C-XX-TS-SMT-KT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-TS-SMT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C-XX-TS-V2	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C1-XX-TS-HT	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C2-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C2-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TR-NY46	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TR-SMT	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TR-SMT-TR	.079" [2.00mm]	C	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-C3-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TS-SMT	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
2SH-C3-XX-TS-SMT-KT-TR	.079" [2.00mm]	C	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-D-XX-TS-BK	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-D-XX-TS-BU	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-D-XX-TS-NK	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-D-XX-TS-YW	.079" [2.00mm]	D	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-D2-XX-TR	.079" [2.00mm]	D	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-F-XX-TR	.079" [2.00mm]	F	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-F-XX-TS	.079" [2.00mm]	F	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-F1-XX-TS	.079" [2.00mm]	F	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-G-XX-GR	.079" [2.00mm]	G	Right Angle	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-G-XX-TR	.079" [2.00mm]	G	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-G-XX-TR-SMT-PP-TR	.079" [2.00mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-G-XX-TR-SMT-TR	.079" [2.00mm]	G	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-G-XX-TS	.079" [2.00mm]	G	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-G-XX-TS-SMT-PP-TR	.079" [2.00mm]	G	Vertical	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
2SH-H-XX-TR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-H-XX-TS	.079" [2.00mm]	H	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-HA-XX-MTR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-HA-XX-MTS	.079" [2.00mm]	H	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-HA-XX-TR	.079" [2.00mm]	H	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-K-04-TS-X01-X03	.079" [2.00mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-K-XX-GR	.079" [2.00mm]	K	Right Angle	Through Hole	Gold	1	Tube	<a href="#">View</a>

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
2SH-K-XX-GS	.079" [2.00mm]	K	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
2SH-K-XX-MTR-HF	.079" [2.00mm]	K	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-K-XX-TR	.079" [2.00mm]	K	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-K-XX-TS	.079" [2.00mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-P-XX-MT-T144	.079" [2.00mm]	P	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SH-P-XX-T-T144	.079" [2.00mm]	P	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
2SHD-C-XX-TR	.079" [2.00mm]	C	Right Angle	Through Hole	Tin	2	Tube	<a href="#">View</a>
2SHD-C-XX-TS	.079" [2.00mm]	C	Vertical	Through Hole	Tin	2	Tube	<a href="#">View</a>

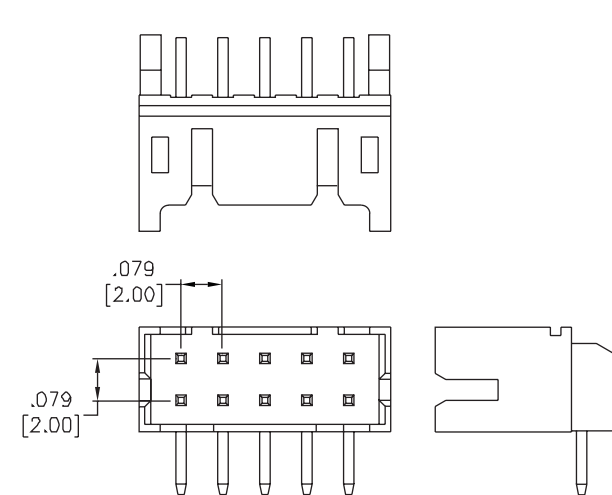
2SH-C-05-TR-SMT



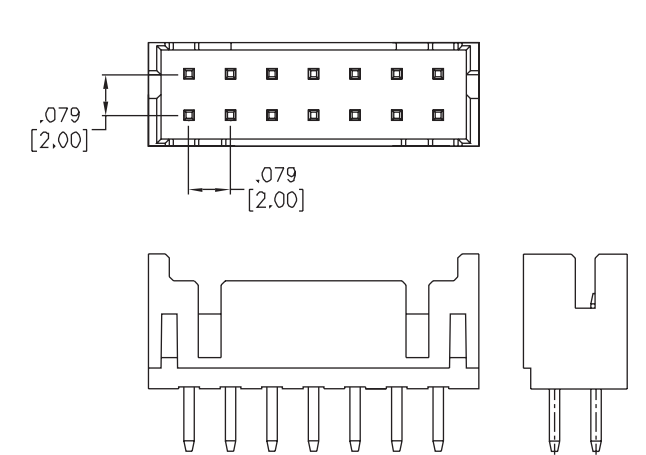
2SH-C-05-TS-SMT



2SHD-C-10-TR



2SHD-C-14-TS



# Miniature Disconnecting Wire to Board Connectors and Systems

.079" [2.0MM] WIRE HOUSING & CRIMP TERMINAL, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- .079" [2.0mm] pitch
- Multiple positions and configurations
- Gold or tin plated crimp terminals
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0  
Contacts: Brass

#### Plating:

Tin over copper underplate overall

#### Electrical:

Operating voltage: 100V AC max.  
Current rating: 2 Amp max.

Insulation resistance: 1,000 MΩ min.

Contact Resistance: 20 mohms max.

Dielectric withstanding voltage: 500V – 1000V AC for 1 minute

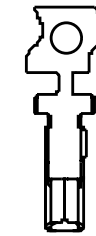
#### Temperature Rating:

Operating temperature range: -25°C to +85°C

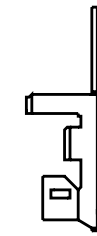
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

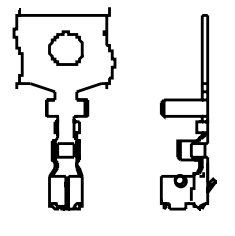
2CTC3-R



2CTD-R



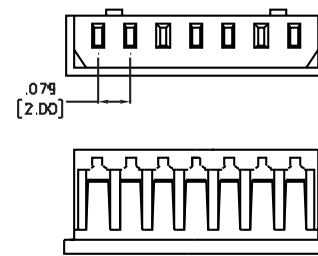
2CTF-R



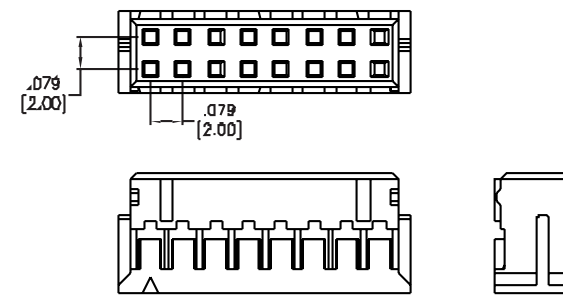
## CRIMP HOUSING PART NUMBER CONFIGURATION

2CH	-	B	-	4
SERIES		BODY STYLE		POSITIONS
<b>2CH</b> = 2.00mm Single Row <b>2CHD</b> = 2.00mm Dual Row		<b>A1</b> = Body Style "A1" <b>A2</b> = Body Style "A2" <b>B</b> = Body Style "B" <b>C</b> = Body Style "C" <b>C1</b> = Body Style "C1" <b>C3</b> = Body Style "C3" <b>D</b> = Body Style "D" <b>F</b> = Body Style "F" <b>F2</b> = Body Style "F2" <b>G</b> = Body Style "G" <b>H</b> = Body Style "H" <b>HA</b> = Body Style "HA" <b>J</b> = Body Style "J" <b>K</b> = Body Style "K" <b>K1</b> = Body Style "K1" <b>N</b> = Body Style "N" <b>Q</b> = Body Style "Q" <b>Y</b> = Body Style "Y" <b>YL</b> = Body Style "YL" <b>Z</b> = Body Style "Z" <b>Z1</b> = Body Style "Z1"		<b>02 Thru 15</b>

2CH-F-07



2CHD-C3-16



## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
2CH-A1-XX	.079" [2.00mm]	A	1	Crimp	<a href="#">View</a>
2CH-B-XX	.079" [2.00mm]	B	1	Crimp	<a href="#">View</a>
2CH-C-XX	.079" [2.00mm]	C	1	Crimp	<a href="#">View</a>
2CH-C-XX-V0	.079" [2.00mm]	C	1	Crimp	<a href="#">View</a>
2CH-C1-XX-V0	.079" [2.00mm]	C	1	Crimp	<a href="#">View</a>
2CH-C1-XX-XX-V0	.079" [2.00mm]	C	1	Crimp	<a href="#">View</a>
2CH-C3-XX-V0	.079" [2.00mm]	C	1	Crimp	<a href="#">View</a>
2CH-G-XX	.079" [2.00mm]	G	1	Crimp	<a href="#">View</a>
2CH-H-XX	.079" [2.00mm]	H	1	Crimp	<a href="#">View</a>
2CH-HA-XX	.079" [2.00mm]	H	1	Crimp	<a href="#">View</a>
2CH-J-XX	.079" [2.00mm]	J	1	Crimp	<a href="#">View</a>
2CH-K-XX	.079" [2.00mm]	K	1	Crimp	<a href="#">View</a>
2CH-N-XX	.079" [2.00mm]	N	1	Crimp	<a href="#">View</a>
2CH-Y-XX	.079" [2.00mm]	Y	1	Crimp	<a href="#">View</a>
2CH-YL-XX	.079" [2.00mm]	Y	1	Crimp	<a href="#">View</a>
2CH-Z1-XX	.079" [2.00mm]	Z	1	Crimp	<a href="#">View</a>
2CH-Z1-XX-RA	.079" [2.00mm]	Z	1	Crimp	<a href="#">View</a>

## CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
2CTA-X	.079" [2.00mm]	A	Gold	<a href="#">View</a>
2CTA2-R	.079" [2.00mm]	A	Gold	<a href="#">View</a>
2CTB-R	.079" [2.00mm]	B	Tin	<a href="#">View</a>
2CTC-G-R	.079" [2.00mm]	C	Gold	<a href="#">View</a>
2CTC-MT-R	.079" [2.00mm]	C	Tin	<a href="#">View</a>
2CTC-R	.079" [2.00mm]	C	Tin	<a href="#">View</a>
2CTC-X	.079" [2.00mm]	C	Tin	<a href="#">View</a>
2CTC3-R	.079" [2.00mm]	C	Tin	<a href="#">View</a>
2CTD2-R	.079" [2.00mm]	D	Tin	<a href="#">View</a>
2CTDC-R	.079" [2.00mm]	D	Tin	<a href="#">View</a>
2CTE6-R	.079" [2.00mm]	E	Tin	<a href="#">View</a>
2CTF-R	.079" [2.00mm]	F	Tin	<a href="#">View</a>
2CTF1-R	.079" [2.00mm]	F	Tin	<a href="#">View</a>
2CTG-R	.079" [2.00mm]	G	Tin	<a href="#">View</a>
2CTH-R	.079" [2.00mm]	H	Tin	<a href="#">View</a>
2CTHA-R	.079" [2.00mm]	H	Tin	<a href="#">View</a>
2CTJ-R	.079" [2.00mm]	J	Tin	<a href="#">View</a>
2CTK-MT-R	.079" [2.00mm]	K	Tin	<a href="#">View</a>
2CTK-R	.079" [2.00mm]	K	Tin	<a href="#">View</a>
2CTN-R	.079" [2.00mm]	N	Tin	<a href="#">View</a>
2CTY-R	.079" [2.00mm]	Y	Tin	<a href="#">View</a>
2CTYL-R	.079" [2.00mm]	Y	Tin	<a href="#">View</a>
2CTZ-MT-R	.079" [2.00mm]	Z	Tin	<a href="#">View</a>
2CTZ-R	.079" [2.00mm]	Z	Tin	<a href="#">View</a>
2CTZR-MT-R	.079" [2.00mm]	Z	Tin	<a href="#">View</a>
2CTZRI-01-R	.079" [2.00mm]	Z	Tin	<a href="#">View</a>

## CRIMP CONTACT PART NUMBER CONFIGURATION

2CTX	-	R	-	G
SERIES		PACKAGING		OPTIONS:
<b>2CTX</b> = 2.00mm Body Style Contact <b>2CTDX</b> = 2.00mm Body Style Contact  Replace X with housing body style		<b>R</b> = Piece Reel		Add designator(s) to end of part number. <b>G</b> = Gold plated

### FEATURES & SPECIFICATIONS

#### FEATURES:

.098" [2.5mm] pitch  
Multiple positions and configurations  
Matched Housing & Header system  
Straight, Right Angle or SMT Headers  
Sure fit, Fine Pitched & Polarized

#### MATING CONNECTORS:

Each set has a male and female mate

#### SPECIFICATIONS:

##### Material:

Insulator:  
Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0  
Contacts: Brass

##### Plating:

Tin over copper underplate overall

##### Electrical:

Operating voltage: 250V AC max.  
Current rating: 3 Amp max.  
Insulation resistance: 1,000 MΩ min.  
Contact Resistance: 20 mohms max.  
Dielectric withstanding voltage: 800V – 1000V AC for 1 minute

##### Temperature Rating:

Operating temperature range: -25°C to +85°C

##### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### PART NUMBER CONFIGURATION

25SH	P	4	TR	SMT
SERIES	BODY STYLE	POSITIONS	PIN ANGLE	OPTIONS:
<b>25SH</b> = 2.50mm Single Row	<b>B</b> = Body Style "B" <b>B2</b> = Body Style "B2" <b>B3</b> = Body Style "B3" <b>C</b> = Body Style "C" <b>C1</b> = Body Style "C1" <b>D</b> = Body Style "D" <b>E</b> = Body Style "E" <b>E2</b> = Body Style "E2" <b>E3</b> = Body Style "E3" <b>E4</b> = Body Style "E4" <b>K</b> = Body Style "K" <b>M</b> = Body Style "M" <b>P</b> = Body Style "P" <b>P1</b> = Body Style "P1" <b>P2</b> = Body Style "P2" <b>Q</b> = Body Style "Q"	<b>02 Thru 15</b>	<b>GS</b> = Gold Straight PCB <b>GR</b> = Gold Right Angle PCB <b>TS</b> = Tin Straight PCB <b>TR</b> = Tin Right Angle PCB	Add designator(s) to end of part number: <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel Packaging

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
<a href="#">25SH-B-XX-TS</a>	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-TS-NK-HT</a>	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-TS-P</a>	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-TS-P-BK</a>	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-04-TS-X03</a>	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-XX-MTR</a>	.098" [2.50mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-XX-MTS</a>	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-XX-TR</a>	.098" [2.50mm]	C	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-XX-TS</a>	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-C-XX-TS-NK</a>	.098" [2.50mm]	C	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-MTR</a>	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TR</a>	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TR-WT</a>	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-HF-HT</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-HT</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-PP-TR</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-V2</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-V2-HF</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E-XX-TS-WT</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E2-XX-TR-V2</a>	.098" [2.50mm]	E	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E2-XX-TS</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-E2-XX-TS-V2</a>	.098" [2.50mm]	E	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TR</a>	.098" [2.50mm]	K	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TR-PBL</a>	.098" [2.50mm]	K	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS</a>	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS-BK</a>	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS-BU</a>	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS-NP</a>	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS-RD</a>	.098" [2.50mm]	K	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-K-XX-TS-SMT</a>	.098" [2.50mm]	K	Vertical	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-M-XX-TR</a>	.098" [2.50mm]	M	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-M-XX-TS</a>	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-M-XX-TS-BK</a>	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-M-XX-TS-RD</a>	.098" [2.50mm]	M	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-P-XX-TR-SMT</a>	.098" [2.50mm]	P	Right Angle	Surface Mount	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-P-XX-TR-SMT-TR</a>	.098" [2.50mm]	P	Right Angle	Surface Mount	Tin	1	Tape & Reel	<a href="#">View</a>
<a href="#">25SH-P1-XX-GR-SMT</a>	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tube	<a href="#">View</a>
<a href="#">25SH-P1-XX-GR-SMT-TR</a>	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
<a href="#">25SH-P2-XX-GR-SMT-TR</a>	.098" [2.50mm]	P	Right Angle	Surface Mount	Gold	1	Tape & Reel	<a href="#">View</a>
<a href="#">25SHD-A-XX-TS</a>	.098" [2.50mm]	A	Vertical	Through Hole	Tin	2	Tube	<a href="#">View</a>

PART NUMBER	PITCH	BODY STYLE	MOUNTING ORIENTATION	MOUNTING	PLATING	NO. OF ROWS	PACKAGING	PRODUCT DATA
<a href="#">25SH-B-XX-GR-NK</a>	.098" [2.50mm]	B	Right Angle	Through Hole	Gold	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-GS</a>	.098" [2.50mm]	B	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-GS-NK</a>	.098" [2.50mm]	B	Vertical	Through Hole	Gold	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-MTR</a>	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-MTS</a>	.098" [2.50mm]	B	Vertical	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-TR</a>	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>
<a href="#">25SH-B-XX-TR-NK</a>	.098" [2.50mm]	B	Right Angle	Through Hole	Tin	1	Tube	<a href="#">View</a>

# Miniature Disconnecting Wire to Board Connectors and Systems

.098" [2.5MM] WIRE HOUSING & CRIMP TERMINAL, SINGLE & DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- .098" [2.5mm] pitch
- Multiple positions and configurations
- Gold or tin plated crimp terminals
- Matched Housing & Header system
- Straight, Right Angle or SMT Headers
- Sure fit, Fine Pitched & Polarized

### MATING CONNECTORS:

Each set has a male and female mate

### SPECIFICATIONS:

#### Material:

- Insulator: Thru-hole: PBT, glass reinforced, rated UL94V-0  
SMT: Nylon 46 or 6T, rated UL94V-0
- Contacts: Brass

### Plating:

Tin over copper underplate overall

### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 3 Amp max.
- Insulation resistance: 1,000 MΩ min.
- Contact Resistance: 20 mohms max.
- Dielectric withstanding voltage: 800V – 1000V AC for 1 minute

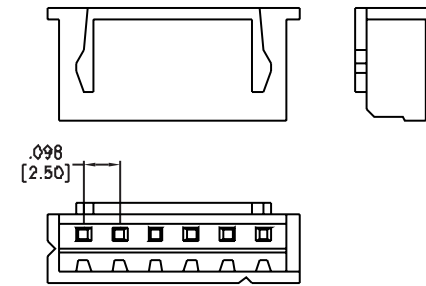
### Temperature Rating:

Operating temperature range: -25°C to +85°C

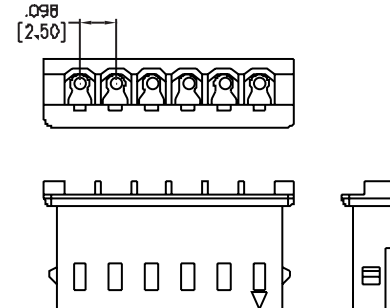
### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

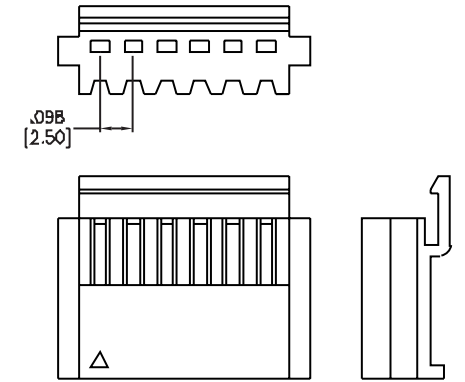
### 25CH-B HOUSING



### 25CH-E HOUSING



### 25CH-M HOUSING



## HOUSINGS

PART NUMBER	PITCH	BODY STYLE	NO. OF ROWS	TERMINATION	PRODUCT DATA
25CH-B-XX	.098" [2.50mm]	B	1	Crimp	<a href="#">View</a>
25CH-C-XX	.098" [2.50mm]	C	1	Crimp	<a href="#">View</a>
25CH-D-XX	.098" [2.50mm]	D	1	Crimp	<a href="#">View</a>
25CH-E-XX	.098" [2.50mm]	E	1	Crimp	<a href="#">View</a>
25CH-E6-XX	.098" [2.50mm]	E	1	Crimp	<a href="#">View</a>
25CH-F-XX	.098" [2.50mm]	F	1	Crimp	<a href="#">View</a>
25CH-G-XX	.098" [2.50mm]	G	1	Crimp	<a href="#">View</a>
25CH-H-XX	.098" [2.50mm]	H	1	Crimp	<a href="#">View</a>
25CH-K-XX	.098" [2.50mm]	K	1	Crimp	<a href="#">View</a>
25CH-L-XX	.098" [2.50mm]	L	1	Crimp	<a href="#">View</a>
25CH-M-XX	.098" [2.50mm]	M	1	Crimp	<a href="#">View</a>
25CH-N-XX	.098" [2.50mm]	N	1	Crimp	<a href="#">View</a>

## CRIMP HOUSING PART NUMBER CONFIGURATION

25CH	-	L	-	4
SERIES		BODY STYLE		POSITIONS
25CH = 2.50mm Single Row		<b>B</b> = Body Style "B" <b>B1</b> = Body Style "B1" <b>C</b> = Body Style "C" <b>D</b> = Body Style "D" <b>E</b> = Body Style "E" <b>E1</b> = Body Style "E1" <b>E2</b> = Body Style "E2" <b>E4</b> = Body Style "E4" <b>F</b> = Body Style "F" <b>F1</b> = Body Style "F1" <b>G</b> = Body Style "G" <b>H</b> = Body Style "H" <b>K</b> = Body Style "K" <b>L</b> = Body Style "L" <b>M</b> = Body Style "M" <b>N</b> = Body Style "N" <b>Q</b> = Body Style "Q"		02 Thru 15

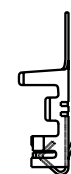
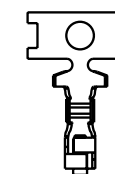
## CRIMP CONTACT PART NUMBER CONFIGURATION

25CTX	-	R	-	G
SERIES		PACKAGING		OPTIONS:
25CTX = 2.50mm Body Style Contact Replace X with housing body style		R = Piece Reel		Add designator(s) to end of part number: G = Gold plated

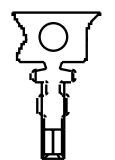
## CRIMP CONTACTS

PART NUMBER	PITCH	STYLE	PLATING	PRODUCT DATA
25CTB-R	.098" [2.50mm]	B	Tin	<a href="#">View</a>
25CTC-R	.098" [2.50mm]	C	Tin	<a href="#">View</a>
25CTE-R	.098" [2.50mm]	E	Tin	<a href="#">View</a>
25CTE6-R	.098" [2.50mm]	E	Tin	<a href="#">View</a>

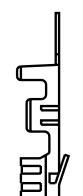
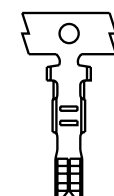
### 25CTB-R



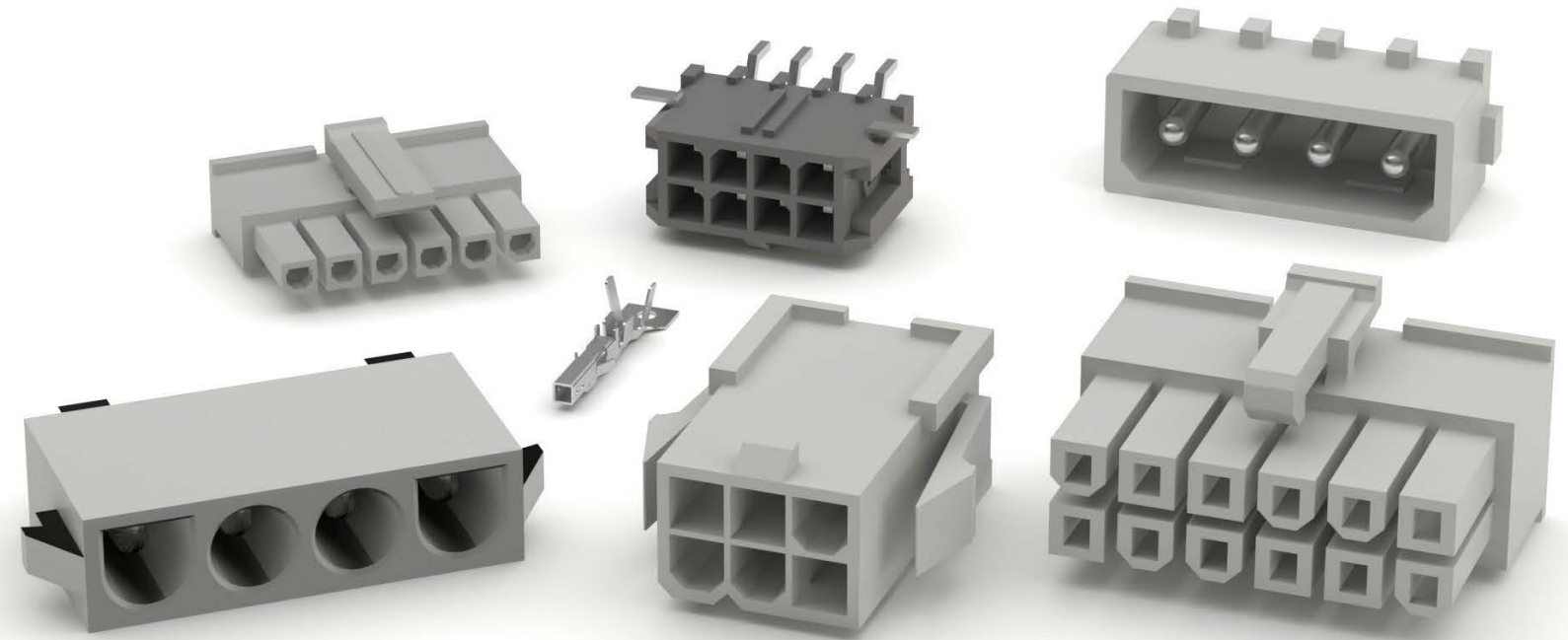
### 25CTC-R



### 25CTE-R



Adam Tech Wire to Board Power Connectors consist of a receptacle and plug set in a variety of single and multiple row configurations with .098", .100", .118", .137", .163", .165", .224" and .250" pitch centerlines. They are manufactured of Nylon 6/6 with a flammability rating of UL94V-2 or UL94V-0. This series is designed as a mated set with a PCB mounted header and a wire mounted socket which securely latches to header when mated. Our specially designed bodies provide polarization to eliminate mismatching and our latching system resists heavy vibration. PCB mounted headers have molded pegs which align and brace the PCB tails for trouble free assembly and use.



## FEATURES & SPECIFICATIONS

### FEATURES:

- Header, housings, and crimp sets
- Pitches ranging from .098" to .250"
- Available in multiple positions
- Secure latching
- Polarized anti-vibration design
- Molded pegs

### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 250V – 600V AC / DC max.
- Current Rating: 3 - 13 Amps max
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1000V – 5000V AC/DC for 1 minute

#### Temperature Rating:

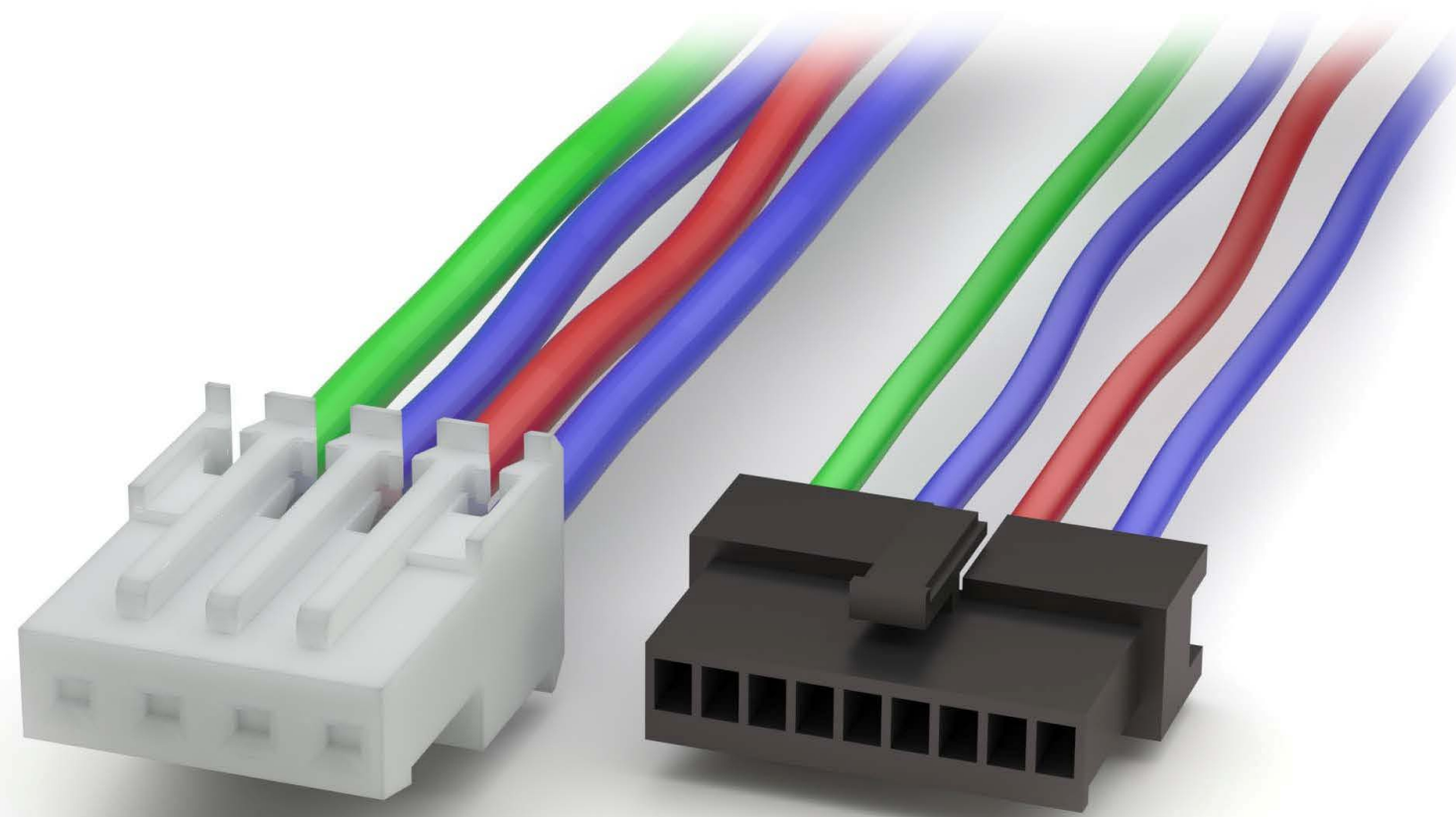
- Operating temperature range: -25°C to +85°C

#### PACKAGING:

- Anti-ESD plastic bags

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



### FEATURES & SPECIFICATIONS

#### FEATURES:

- .100" [2.54mm] pitch
- Positions: 4 to 50
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 250V AC / DC max.
- Current Rating: 3 Amps max
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1000V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -55°C to +125°C

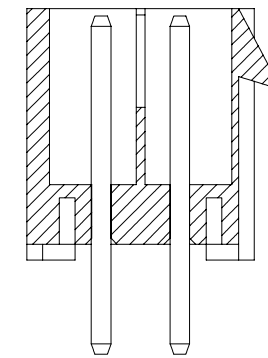
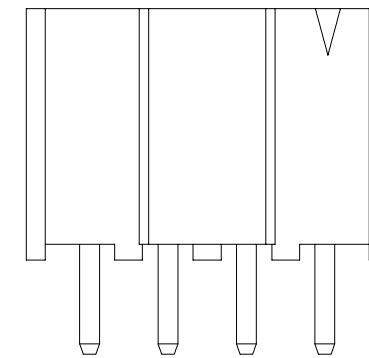
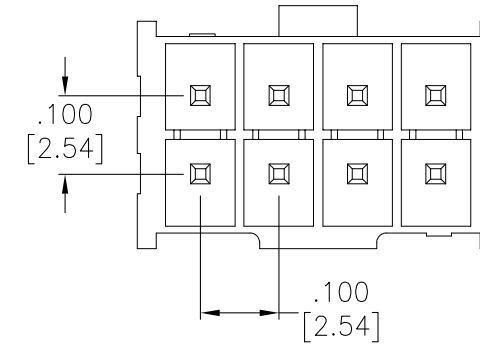
#### PACKAGING:

- Anti-ESD plastic bags

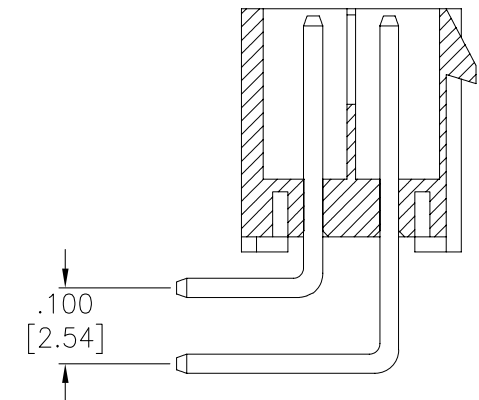
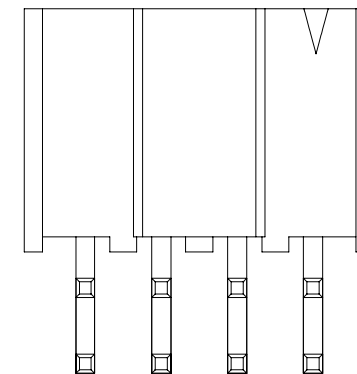
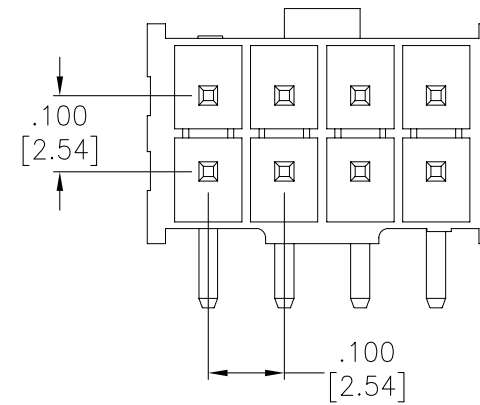
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### DMV STRAIGHT



### DMV RIGHT ANGLE



### PART NUMBER CONFIGURATION

## DMV - 50 - RA - SG - SMT - V0 - BG

SERIES	POSITIONS	MOUNTING TYPE	PLATING OPTIONS	SOLDER OPTIONS	UL94VX RATING	OPTIONS:
<b>DMV</b> = .100 [2.54] Wafer, Dual Rows, Straight	<b>04 Thru 50</b> Dual Row	<b>RA</b> = Right angle <b>V</b> = Straight <b>SMT</b> <b>Blank</b> = Straight DIP	<b>T</b> = Tin <b>SG</b> = Selective Gold	<b>Blank</b> = DIP Type <b>SMT</b> = Surface mount	<b>Blank</b> = V2 <b>V0</b> = V0	<b>BG</b> = Beige color insulator <b>HT</b> = High Temperature Insulator <b>K</b> = W/ Key <b>T/R</b> = Tape and Reel Packaging

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DMV-XX-RA-SG-BG-V0-HT	.100" [2.54mm]	2	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-RA-SG-V0-HT	.100" [2.54mm]	2	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-BG-HT-V0	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-BG-HT-V0-10	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-BG-HT-V0-K	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-BG-HT-V0-K-10	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-V0	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-SG-V0-HT	.100" [2.54mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DMV-XX-T-BG-HT-V0	.100" [2.54mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DMV-XX-T-BG-HT-V0-K	.100" [2.54mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DMV-XX-V-SG-SMT-V0	.100" [2.54mm]	2	Vertical	Surface Mount	Gold	Bag	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .100" [2.54mm] pitch
- Positions: 2 to 25
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 250V AC / DC max.
- Current Rating: 3 Amps max
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1000V AC/DC for 1 minute

#### Temperature Rating:

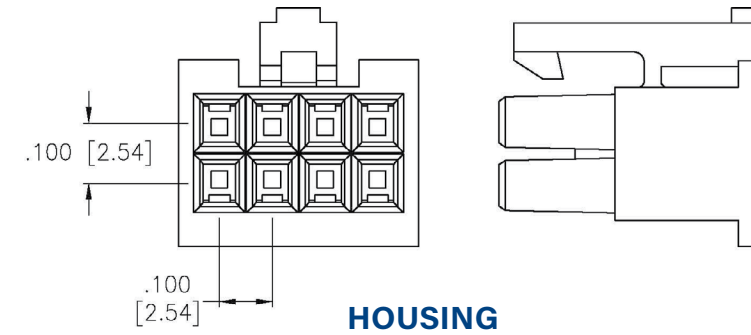
- Operating temperature range: -55°C to +125°C

#### PACKAGING:

- Anti-ESD plastic bags

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

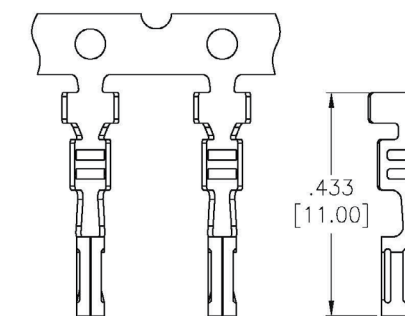


### HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMS-XX	.100" [2.54mm]	2	<a href="#">View</a>

### CRIMP HOUSING PART NUMBER CONFIGURATION

<b>DMS</b>	-	<b>04</b>
SERIES		POSITIONS
DMS = .100 [2.54] Plug Wire Housing		2*02 ( <b>04</b> ) Thru 2*25 ( <b>50</b> )



### CRIMP TERMINAL

### CRIMP CONTACT PART NUMBER CONFIGURATION

<b>DMS</b>	-	<b>B</b>	-	<b>C</b>	-	<b>M</b>	-	<b>B</b>
SERIES	WIRE RANGE # AWG	CRIMP CONTACT		CONTACT GENDER		PACKING		
DMS = .100 [2.54] Plug Wire Housing	B = #20~ #24	C = Crimp contact		F = Female		R = Reel B = Bag		

### CRIMP TERMINAL

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMS-B-C-F-B	.100" [2.54mm]	Tin	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .118" [3.0mm] pitch
- Positions: 2 to 24
- Single and dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

##### Electrical:

- Operating voltage: 250V AC / DC max.
- Current Rating: 5 Amps max.
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

##### Temperature Rating:

- Operating temperature range: -40°C to +105°C

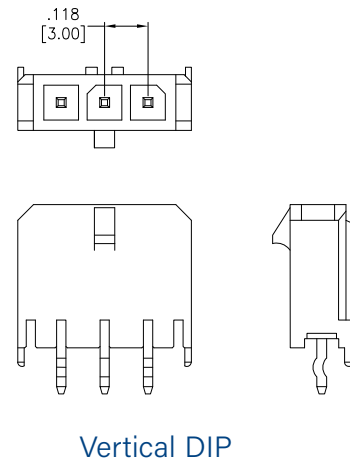
##### PACKAGING:

- Anti-ESD plastic bags

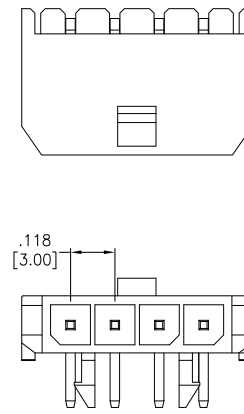
##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### SINGLE ROW, DIP

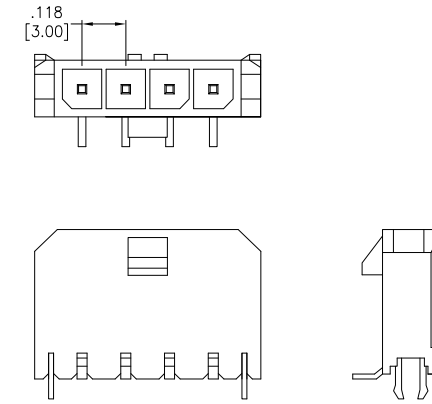


Vertical DIP

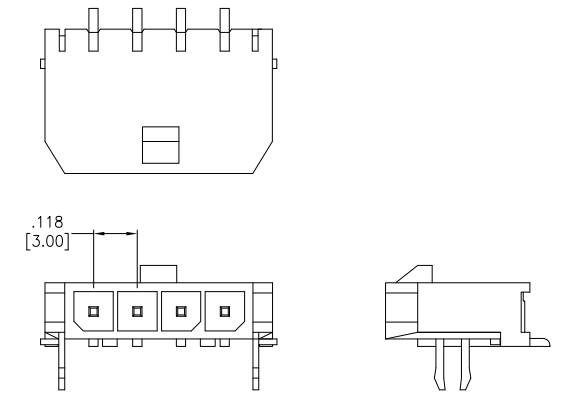


Right Angle DIP

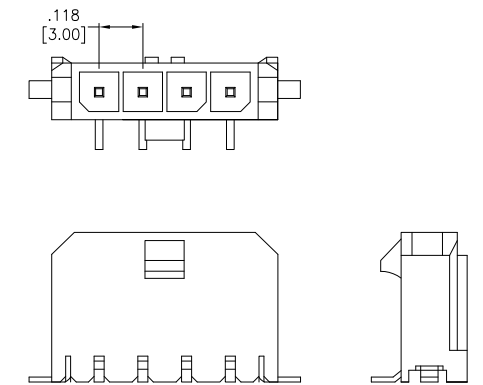
### SINGLE ROW



Vertical SMT



Right Angle SMT



Vertical TSMT

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
<a href="#">DML-06-A-H-T-A-TSMT-TR</a>	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">DML-08-A-V-T-TSMT-PP-TR</a>	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-G-A-BL</a>	.118" [3.00mm]	1	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-G-A-SMT-SBL-TR</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Gold	Tape & Reel	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-MT-A-P-SMT</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-MT-A-SMT-SBL-TR</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A</a>	.118" [3.00mm]	1	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A-BL</a>	.118" [3.00mm]	1	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A-SMT-SBL</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A-TSMT</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin		<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A-TSMT-TR</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">DML-1-XX-A-H-T-A-TSMT-WT</a>	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin		<a href="#">View</a>
<a href="#">DML-1-XX-A-V-G-A</a>	.118" [3.00mm]	1	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-V-T-A</a>	.118" [3.00mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">DML-1-XX-A-V-T-A-SBL</a>	.118" [3.00mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>

### PART NUMBER CONFIGURATION

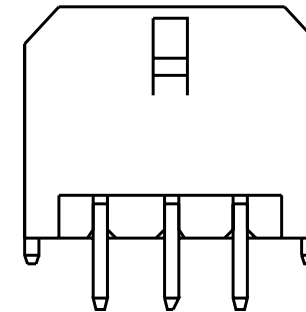
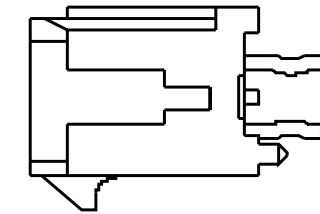
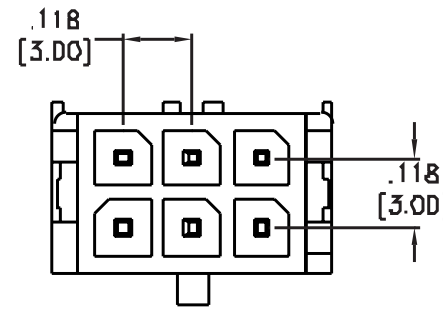
DML	-	1	-	24	-	A1	-	H	-	T	-	BL	-	A	-	SMT	-	PP
SERIES		ROW TYPE		POSITIONS		HEADERS TYPE		MOUNTING TYPE		PLATING OPTIONS		PCB MOUNT TYPE		UL94VX RATING		PCB CONTACT TYPE		OPTIONS:
<b>DML</b> = .118 [3.00mm] Pitch Connector Housings		<b>Blank</b> = Dual Row <b>1</b> = Single Row		<b>02</b> Thru <b>24</b>		<b>A</b> = PCB Headers		<b>H</b> = Horizontal <b>V</b> = Vertical		<b>T</b> = Tin <b>MT</b> = Matte Tin <b>G</b> = Full Gold <b>SG</b> = Selective Gold (DIP Only)		<b>Blank</b> = Peg <b>BL</b> = Boardlock <b>SBL</b> = Short Boardlock <b>P-BL</b> = Peg + Boardlock <b>SBLP</b> = Short Boardlock, Peg + Boardlock		<b>A</b> = V0 <b>B</b> = V2		<b>Blank</b> = DIP <b>SMT</b> = Surface Mount <b>TSMT</b> = True Surface Mount		Add designator(s) to end of part number <b>FL</b> = Entry Flange Type <b>PP</b> = Pick and Place Cap <b>T/R</b> = Tape and Reel packaging



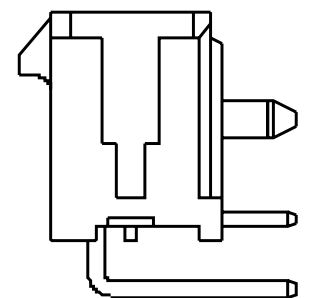
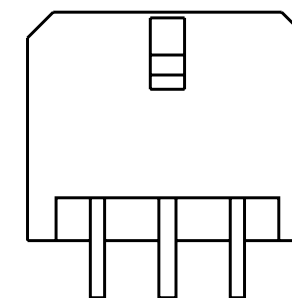
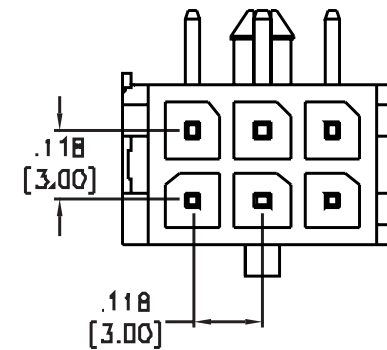
DML-1-XX-A-V-T-A-SMT-SBL	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-1-XX-A-V-T-A-TSMT-PP-TR	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-1-XX-AI-H-T-A	.118" [3.00mm]	1	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-1-XX-AI-H-T-A-TSMT-TR	.118" [3.00mm]	1	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-1-XX-V-T-SMT	.118" [3.00mm]	1	Vertical	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-G-A-BL	.118" [3.00mm]	2	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-H-G-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-H-G-SMT-BL	.118" [3.00mm]	2	Right Angle	Surface Mount	Gold	Bag	<a href="#">View</a>
DML-XX-A-H-G-SMT-BL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Gold	Tape & Reel	<a href="#">View</a>
DML-XX-A-H-MT-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-A	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-A-BL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-A-SBL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-A-TSMT	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-A-TSMT-PP-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-H-T-A-TSMT-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-H-T-SMT-BL	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-A-H-T-SMT-BL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-H-T-SMT-SBL-TR	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-V-G-A	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-V-G-A-6	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-V-G-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-V-G-SMT-SBL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Gold	Tape & Reel	<a href="#">View</a>
DML-XX-A-V-G-TSMT-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Gold	Tape & Reel	<a href="#">View</a>
DML-XX-A-V-MT-A	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-MT-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-MT-A-P-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-SG-A	.118" [3.00mm]	2	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DML-XX-A-V-T-A	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-A-BL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-A-NP	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-A-P-SBL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-A-SBL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-SMT-BL	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-SMT-BL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>

DML-XX-A-V-T-SMT-SBL-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-V-T-TSMT	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-A-V-T-TSMT-PP-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-A-V-T-TSMT-TR	.118" [3.00mm]	2	Vertical	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
DML-XX-AI-H-T-SMT-BL	.118" [3.00mm]	2	Right Angle	Surface Mount	Tin	Bag	<a href="#">View</a>
DML-XX-B-H-T-A	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-H-T-FL	.118" [3.00mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DML-XX-V-T-FL	.118" [3.00mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>

### DUAL ROW VERTICAL



### DUAL ROW RIGHT ANGLE



### FEATURES & SPECIFICATIONS

#### FEATURES:

- .118" [3.0mm] pitch
- Positions: 2 to 24
- Single and dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 250V AC / DC max.
- Current Rating: 5 Amps max.
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°

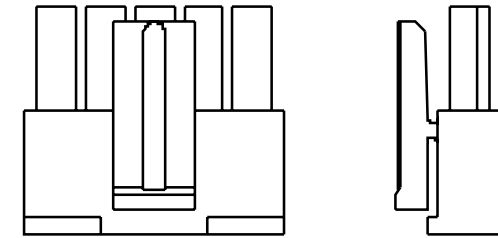
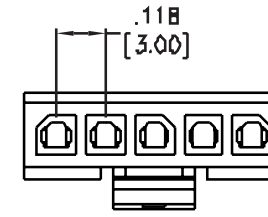
#### PACKAGING:

- Anti-ESD plastic bags

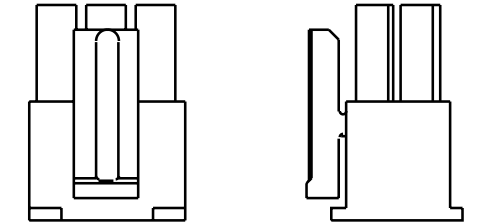
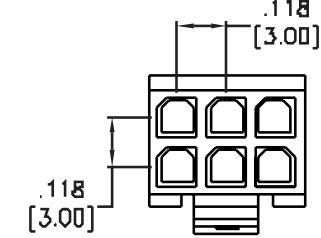
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

#### DMT SINGLE ROW



#### DMT DUAL ROW



### HOUSING PART NUMBER CONFIGURATION

DMT	-	2	-	XX
SERIES		HOUSING TYPE		POSITIONS
DMT = .118" [3.00mm] Wire Crimp Housing, Male		1 = Single row 2 = Dual row		Single row: 02 - 12 Dual row: 02 - 24

### HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMT-1-XX	.118" [3.00mm]	1	<a href="#">View</a>
DMT-2-XX	.118" [3.00mm]	2	<a href="#">View</a>

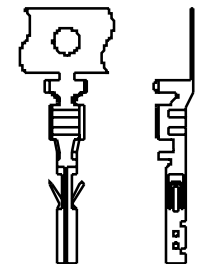
### CRIMP CONTACT PART NUMBER CONFIGURATION

DMT	-	B	-	C	-	F	-	T	-	R
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PLATING OPTIONS		PACKING
DMT = .118 [3.00mm] Pitch Connector Housings		Blank = A = #22 ~ #28 B = #18 ~ #24		C = Crimp contact		F = Female		T = Tin MT = Matte Tin G = Gold		R = Reel B = Bag

### CRIMP TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMT-X-C-F-G-R	.118" [3.00mm]	Gold	<a href="#">View</a>
DMT-X-C-F-MT-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-X-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>

### DMT FEMALE CRIMP CONTACT



### FEATURES & SPECIFICATIONS

#### FEATURES:

- .137" [3.5mm] pitch
- Positions: 4 to 24
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 14 Amps max.
- Contact Resistance: 15 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1800V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C

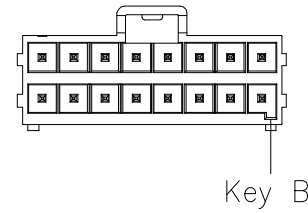
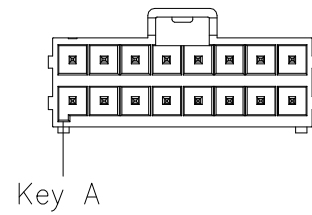
#### PACKAGING:

- Anti-ESD plastic bags

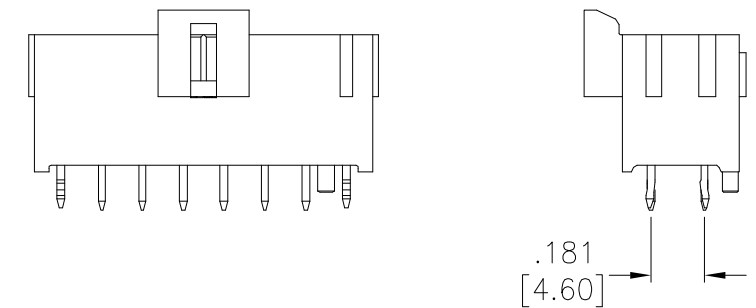
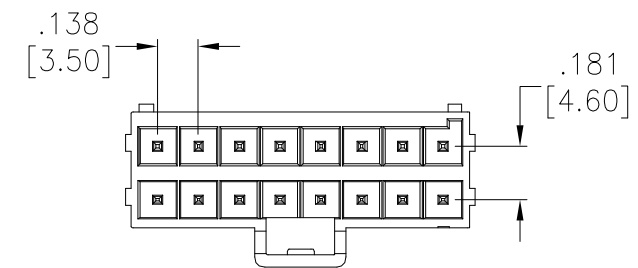
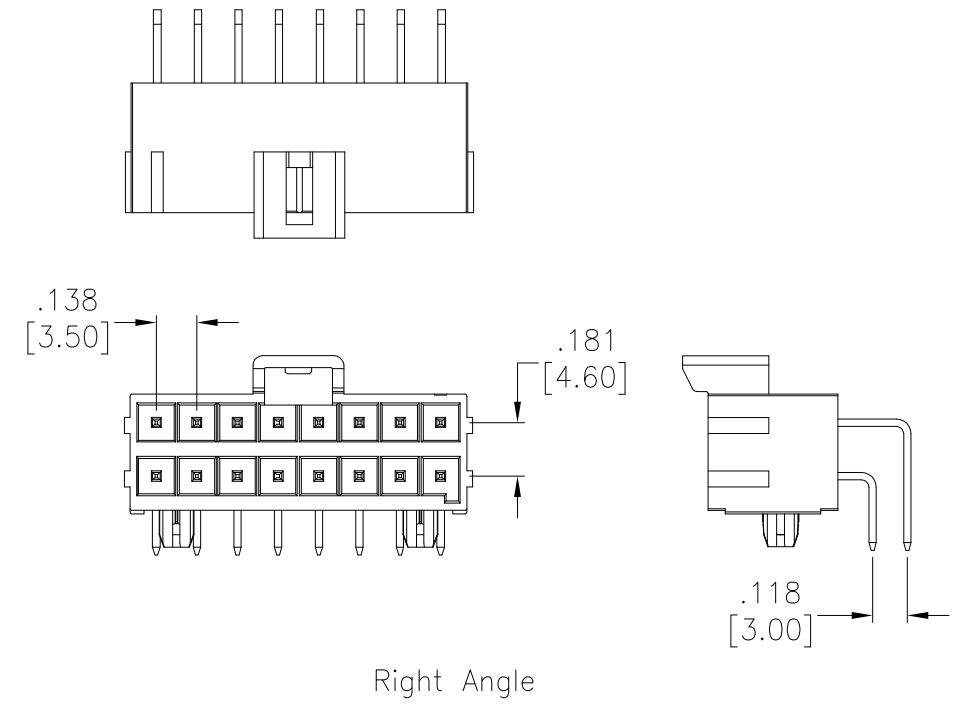
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### POLARIZING KEY OPTIONS



### DMD CONNECTOR



### PART NUMBER CONFIGURATION

**DMD - 12 - A - H - T - A - HT**

SERIES	POSITIONS	MOUNTING TYPE	PLATING OPTIONS	POLARIZING KEY
DMD = .137" [3.50mm] Pitch Connectors	04 Thru 24	H = Horizontal V = Vertical	T = Tin G = Gold	A = Left Side B = Right Side

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PRODUCT DATA
DMD-XX-AI-H-T-X-HT	.137" [3.50mm]	2	Horizontal	Through Hole	Tin	<a href="#">View</a>
DMD-XX-A-V-T-X-HT	.137" [3.50mm]	2	Vertical	Through Hole	Tin	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .137" [3.5mm] pitch
- Positions: 4 to 24
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 14 Amps max.
- Contact Resistance: 15 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1800V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C

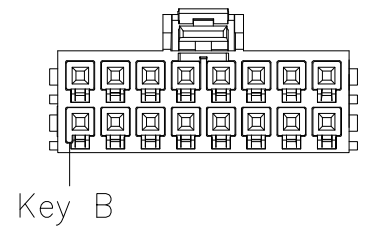
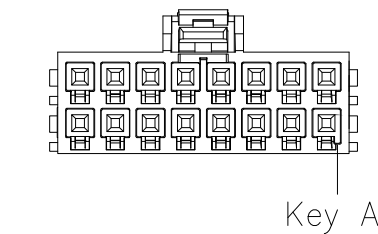
#### PACKAGING:

- Anti-ESD plastic bags

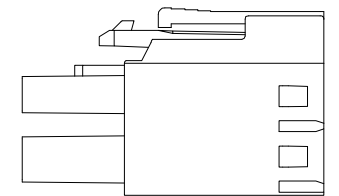
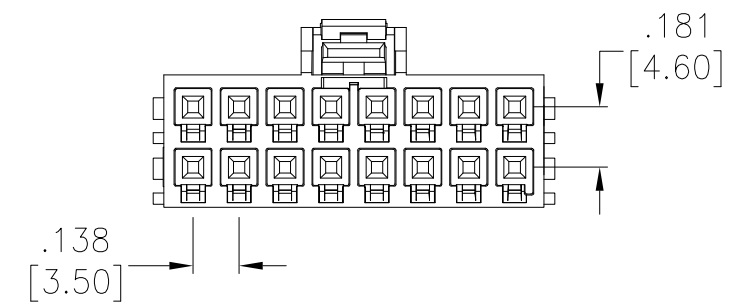
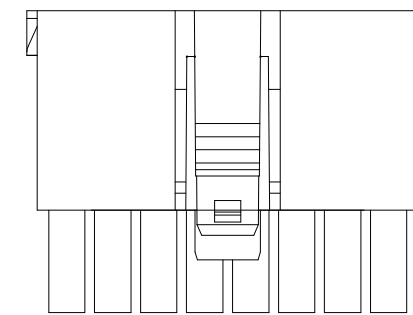
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### POLARIZING KEY OPTIONS



### DMD HOUSING



### HOUSING PART NUMBER CONFIGURATION

**DMD - M1 - 12 - A**

SERIES	POSITIONS	POLARIZING KEY
<b>DMD</b> = .137" [3.50mm] Pitch Connector	<b>04</b> Thru <b>24</b>	<b>A</b> = Left Side <b>B</b> = Right Side

### HOUSING

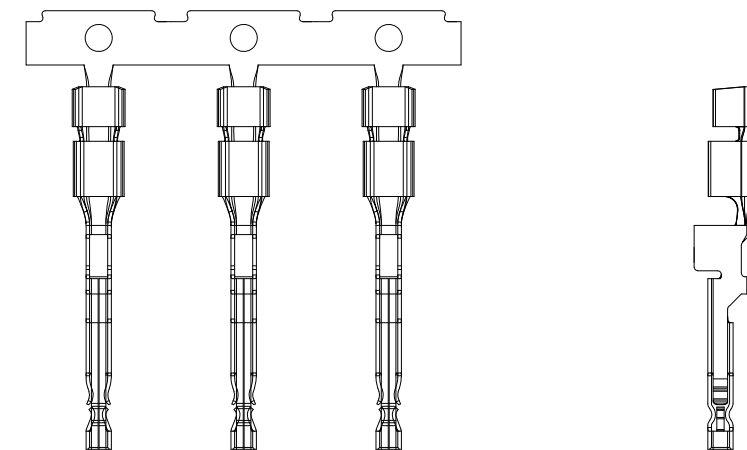
PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMD-M1-XX-X	.137" [3.50mm]	2	<a href="#">View</a>

### CRIMP TERMINAL PART NUMBER CONFIGURATION

**DMD - M1C - C - T - R**

SERIES	CRIMP CONTACT	PLATING OPTIONS
<b>DMD</b> = .137" [3.50mm] Pitch Connector	<b>C</b> = Crimp contact	<b>T</b> = Tin <b>G</b> = Gold

### DMD CRIMP TERMINAL



### CRIMP TERMINAL

PART NUMBER	PITCH	PRODUCT DATA
DMD-M1C-C-X-R	.137" [3.50mm]	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .163" [4.14mm] pitch
- Positions: 4 to 24
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 5 Amps max.
- Contact Resistance: 10 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

#### Temperature Rating:

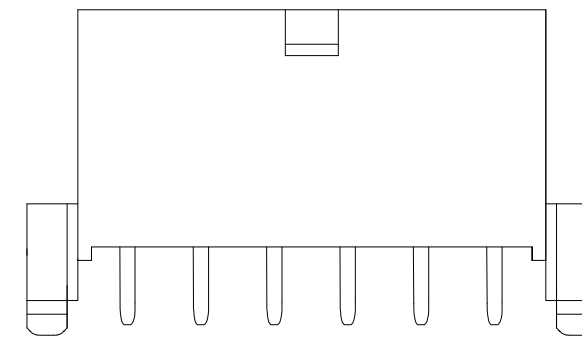
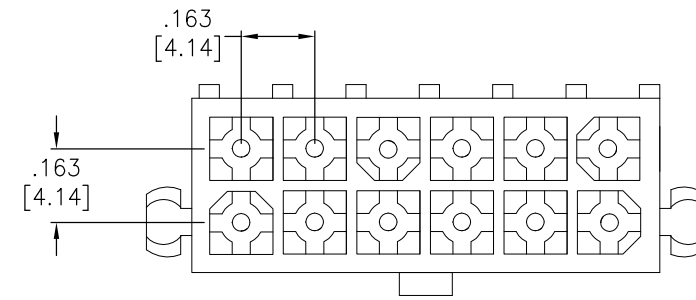
- Operating temperature range: -40°C to +105°C

#### PACKAGING:

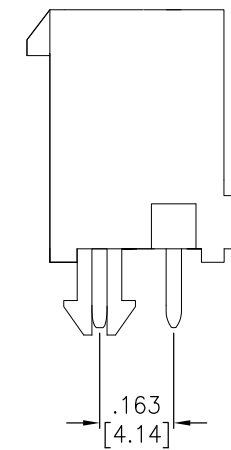
- Anti-ESD plastic bags

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



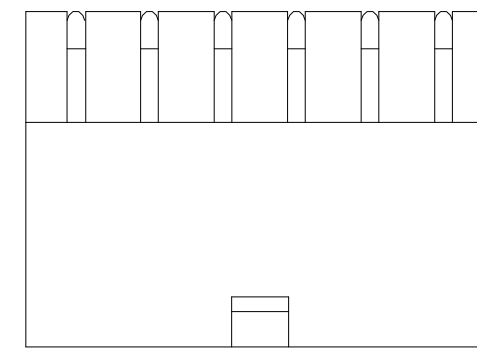
**DMM STRAIGHT**



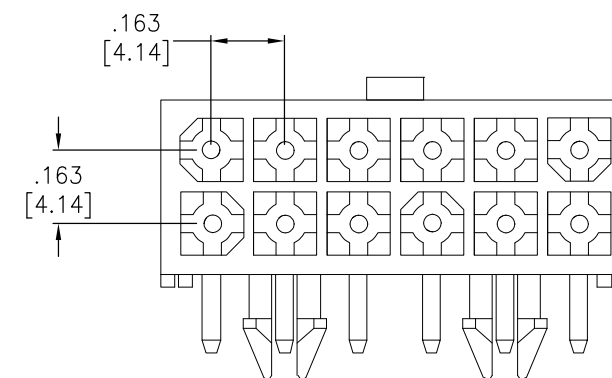
### PART NUMBER CONFIGURATION

**DMM - 12 - R - N - P - G - V0**

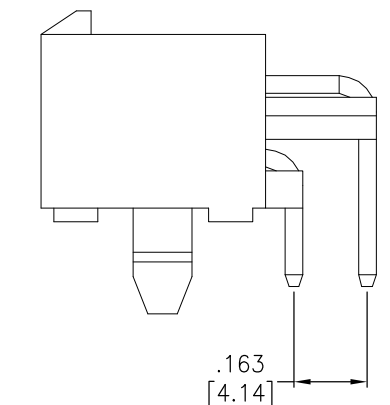
SERIES	POSITIONS	MOUNTING TYPE	LOCKING NOSE OPTION	PEG OPTIONS	PLATING OPTIONS	UL94VX RATING
<b>DMM</b> = .163 [4.14mm] Pitch Header	<b>04 Thru 12</b>	<b>R</b> = Right angle <b>S</b> = Straight	<b>N</b> = W/ Nose	<b>P</b> = W/ Peg	<b>Blank</b> = Tin <b>MT</b> = Matte Tin <b>G</b> = Full Gold <b>SG</b> = Selective Gold <b>SGM</b> = Selective Gold / Matte Tin	<b>Blank</b> = V2 <b>V0</b> = V0



PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
<a href="#">DMM-XX-R-N-P-MT-V0</a>	.163" [4.14mm]	2	<a href="#">View</a>
<a href="#">DMM-XX-S-N-P-V0</a>	.163" [4.14mm]	2	<a href="#">View</a>
<a href="#">DMM-XX-S-N-P1-V0</a>	.163" [4.14mm]	2	<a href="#">View</a>
<a href="#">DMM-XX-S-N-P1-V0-HT</a>	.163" [4.14mm]	2	<a href="#">View</a>



**DMM RIGHT ANGLE**



### FEATURES & SPECIFICATIONS

#### FEATURES:

- .163" [4.14mm] pitch
- Positions: 2 to 24
- Dual row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 5 Amps max.
- Contact Resistance: 10 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C

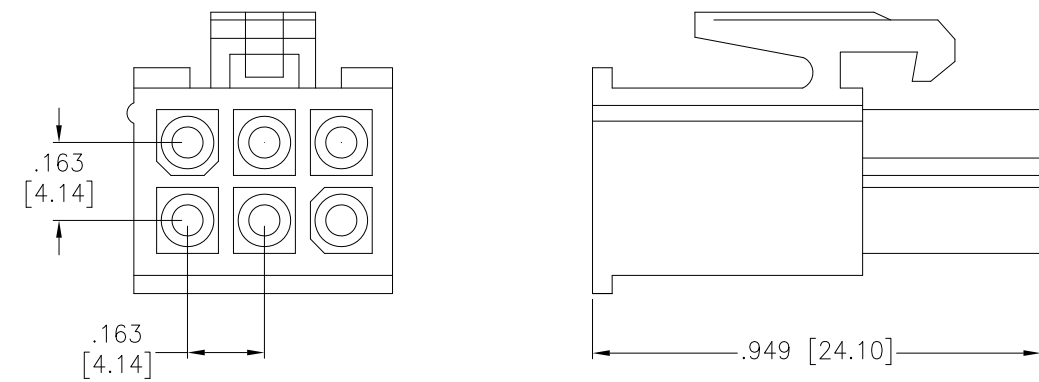
#### PACKAGING:

- Anti-ESD plastic bags

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

DMW CRIMP HOUSING



### HOUSING

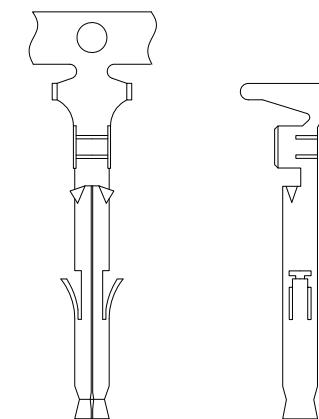
PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMW-XX	.163" [4.14mm]	Plug	<a href="#">View</a>

### HOUSING PART NUMBER CONFIGURATION

DMW	-	12
SERIES		POSITIONS
DMW = .163" [4.14mm] Housing		04 Thru 12

### CRIMP CONTACT PART NUMBER CONFIGURATION

DMW	-	B	-	C	-	M	-	R
SERIES		WIRE RANGE # AWG		CRIMP CONTACT		CONTACT GENDER		PACKING
DMW = .163" [4.14mm] Wire To Wire System		A = #18~ #24 B = #22~ #26 C = #16		C = Crimp contact		F = Female		R = Reel



DMW FEMALE CRIMP CONTACT

### CRIMP CONTACT

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMW-X-C-F-R	.163" [4.14mm]	Female	Tin	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .165" [4.2mm] pitch
- Positions: 2 to 24
- Dual row
- Polarized anti-vibration design

#### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 9 Amps max
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C

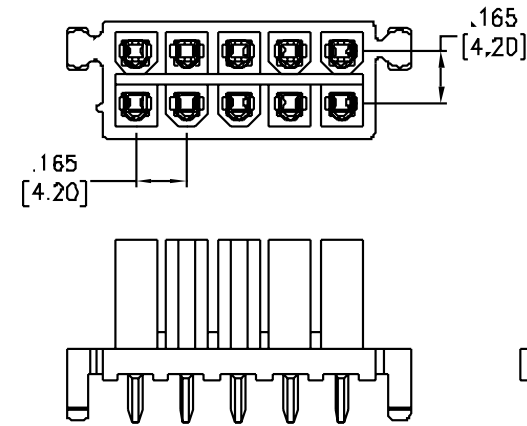
#### PACKAGING:

- Anti-ESD plastic bags

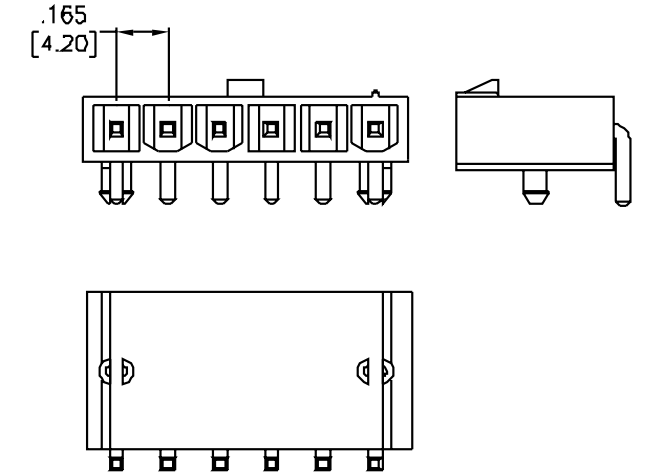
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

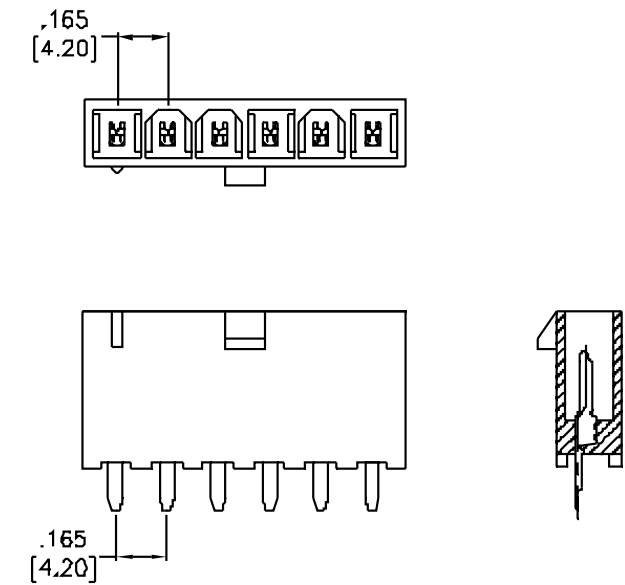
#### DMF PCB RECEPTACLE



#### DMF SINGLE ROW R/A HEADER



#### DMF SINGLE ROW VERTICAL HEADER



### SINGLE ROW PCB HEADERS PART NUMBER CONFIGURATION

**DMF - 12 - A - VS - T - P - V0**

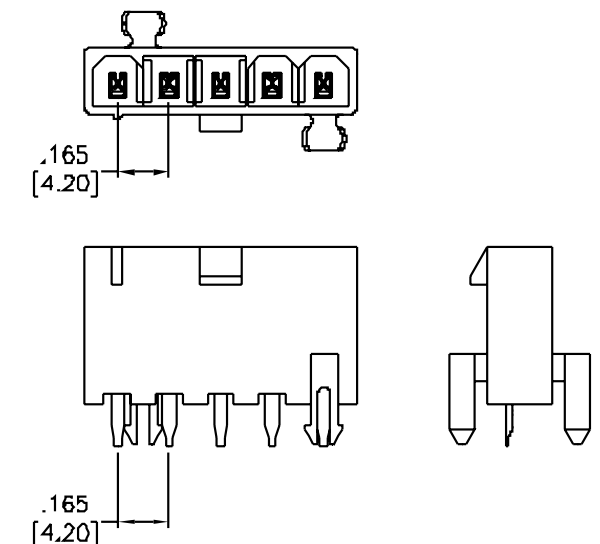
SERIES	POSITIONS	MOUNTING TYPE	NO. OF ROWS	PLATING:	PEG OPTION	UL94VX RATING
<b>DMF</b> = .165" [4.2mm] Pitch Header	<b>02 Thru 12</b>	<b>A</b> = Female PCB Vertical <b>A1</b> = Female PCB Right Angle	<b>VS</b> = Vertical Single <b>RS</b> = Right Angle Single	<b>T</b> = Tin <b>MT</b> = Matte Tin <b>SG</b> = Selective Gold <b>G</b> = Gold	<b>Blank</b> = No Peg <b>P</b> = W/Peg	<b>Blank</b> = V2 <b>V0</b> = V0

### DUAL ROW PCB HEADERS & RECEPTACLE PART NUMBER CONFIGURATION

**DMF - 12 - R - F - T - P - F - V0 - HT**

SERIES	POSITIONS	MOUNTING TYPE	FLANGE OPTION	PLATING:	PEG OPTION	FLANGE OPTION	UL94VX RATING	HIGH TEMP
<b>DMF</b> = .165" [4.2mm] Pitch Header	<b>02 Thru 24</b>	<b>A</b> = Female PCB Vertical <b>A1</b> = Female PCB Right Angle	<b>Blank</b> = Straight Type Right Angle Type <b>N</b> = No Flange <b>F</b> = W/Flange	<b>T</b> or <b>Blank</b> = Tin <b>MT</b> = Matte Tin <b>SG</b> = Selective Gold <b>G</b> = Gold	<b>Blank</b> = No Peg <b>P</b> = W/Peg	<b>Blank</b> = No Flange <b>F</b> = Mounting Flange	<b>Blank</b> = V2 <b>V0</b> = V0	<b>Blank</b> = Normal Temp <b>HT</b> = High Temp

#### DMF SINGLE ROW VERTICAL HEADER WITH PEGS



### DMF SINGLE ROW HEADER

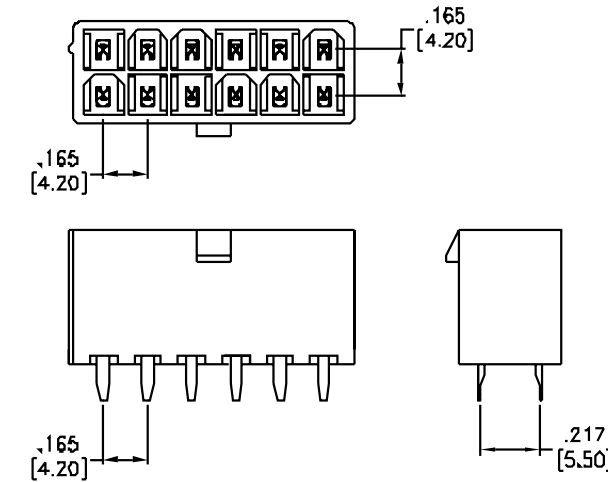
PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-A-VS-T	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A-VS-T-V0	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A-VS-T-P	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A-VS-MT-P-V0	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A-VS-G-P-V0	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A1-RS-T	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A1-RS-T-P	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-A1-RS-T-NR	.165" [4.20mm]	1	<a href="#">View</a>

### DMF DUAL ROW HEADERS

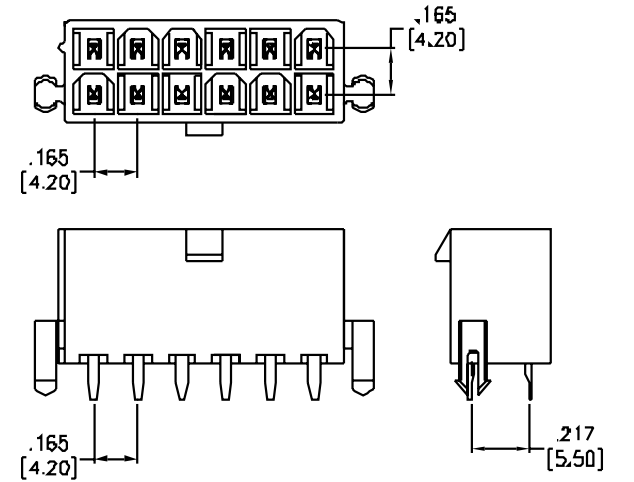
PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-R-F	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-F-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-G	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-G-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-HT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-MT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-MT-BK-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-BK	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-BK-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-G	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-MT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-MT-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-MT-V0-HT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-P-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R-N-V0-HT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-R1-N-P	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-BK	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-G	.165" [4.20mm]	2	<a href="#">View</a>

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-S-G-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-G30-P-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-G30-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-MT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-MT-BK-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-MT-HT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-NDH	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P-MT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P-NDH	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P-NDH-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P-SG-30-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-P-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SG-NDH-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SG-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SQT-NDH	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SQT-NDH-NY46-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SQT-NDH-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-SQT-NDH-V0-HT	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-S-V0-BK	.165" [4.20mm]	2	<a href="#">View</a>

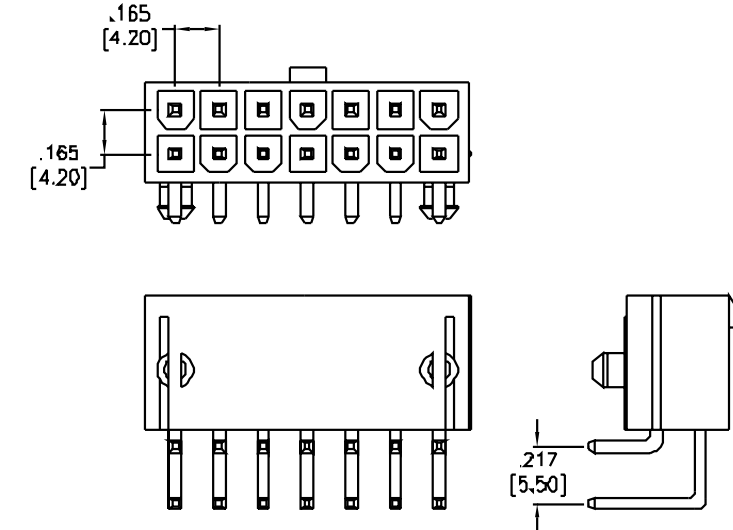
### DMF DUAL ROW VERTICAL HEADER WITH PEGS



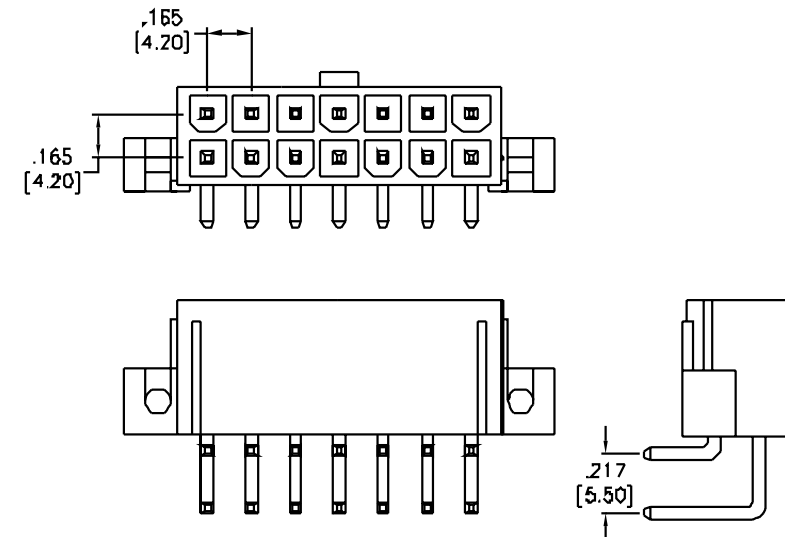
### DMF DUAL ROW VERTICAL HEADER WITH PEGS



### DMF DUAL R/A HEADER



### DMF DUAL R/A HEADER W/FLANGE





# Wire to Board Power Connectors and Systems

.165" [4.2MM] WIRE HOUSING & CRIMP TERMINALS

## FEATURES & SPECIFICATIONS

### FEATURES:

- .165" [4.2mm] pitch
- Positions: 2 to 24
- Single and dual row
- Polarized anti-vibration design

### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 9 Amps max.
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C

#### PACKAGING:

- Anti-ESD plastic bags
- Crimp contacts supplied on Reels

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

## WIRE RECEPTACLE HOUSING PART NUMBER CONFIGURATION

DMH - XX - S - V0 - BK				
SERIES	POSITIONS	NO. OF ROWS	UL94VX RATING	OPTIONAL COLOR
<b>DMH</b> = .165 [4.20mm] Pitch Crimp Housings	Single Row: <b>02 Thru 06</b> Dual Row: <b>02 Thru 24</b>	<b>Blank</b> = Dual row <b>S</b> = Single row	<b>Blank</b> = UL94V2 <b>V0</b> = UL94V0	<b>Blank</b> = Natural <b>BK</b> = Black

## WIRE FEMALE CRIMP PART NUMBER CONFIGURATION

DMH - A2 - C - F - T - R					
SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING
<b>DMH</b> = .165 [4.20mm] Pitch Crimp Contacts	<b>A2</b> = 22 ~ 28 Awg <b>B2</b> = 18 ~ 24 Awg <b>C2</b> = 16 Awg	<b>C</b> = Crimp contact	<b>F</b> = Female	<b>T</b> = Tin <b>MT</b> = Matte Tin <b>G</b> = Gold	<b>R</b> = Reel

## WIRE PLUG HOUSING PART NUMBER CONFIGURATION

DMF - XX - W - S - NE - V0 - BK						
SERIES	POSITIONS	TYPE	NO. OF ROWS	PANEL MOUNT	UL94VX RATING	OPTIONAL COLOR
<b>DMF</b> = .165 [4.20mm] Pitch Crimp Housings	Single Row: <b>02 Thru 12</b> Dual Row: <b>02 Thru 24</b>	<b>W</b>	<b>Blank</b> = Dual row <b>S</b> = Single row	<b>Blank</b> = W/Ears <b>NE</b> = No Ears	<b>Blank</b> = V2 <b>V0</b> = V0	<b>Blank</b> = Natural <b>BK</b> = Black

## WIRE MALE CRIMP PART NUMBER CONFIGURATION

DMF - X - C - M - G - R					
SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING
<b>DMF</b> = .165 [4.20mm] Pitch Crimp Contacts	<b>A2</b> = 22 ~ 28 Awg <b>B2</b> = 18 ~ 24 Awg <b>C2</b> = 16 Awg	<b>C</b> = Crimp contact	<b>M</b> = Male	<b>T</b> = Tin <b>MT</b> = Matte Tin <b>G</b> = Gold	<b>R</b> = Reel

## DMH WIRE RECEPTACLE HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMH-XX	.165" [4.20mm]	2	<a href="#">View</a>
DMH-XX-BK	.165" [4.20mm]	2	<a href="#">View</a>
DMH-XX-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMH-XX-V0-BK	.165" [4.20mm]	2	<a href="#">View</a>
DMH-XX-S	.165" [4.20mm]	1	<a href="#">View</a>
DMH-XX-S-V0	.165" [4.20mm]	1	<a href="#">View</a>

## DMH FEMALE CRIMP

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMH-X2-C-F-T-R	.165" [4.20mm]	Tin	<a href="#">View</a>
DMH-X2-C-F-G-R	.165" [4.20mm]	Gold	<a href="#">View</a>
DMH-X2-C-F-MT-R	.165" [4.20mm]	Matte Tin	<a href="#">View</a>

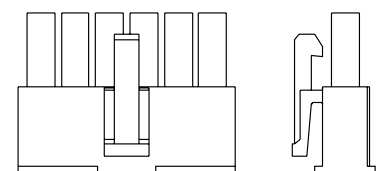
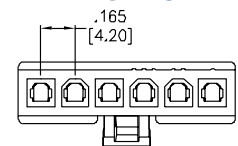
## DMF WIRE PLUG HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMF-XX-W-S	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-W-S-V0	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-W-S-NE	.165" [4.20mm]	1	<a href="#">View</a>
DMF-XX-W-S-NE-V0	.165" [4.20mm]	1	
DMF-XX-W	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-W-V0	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-W-NE	.165" [4.20mm]	2	<a href="#">View</a>
DMF-XX-W-NE-V0	.165" [4.20mm]	2	<a href="#">View</a>

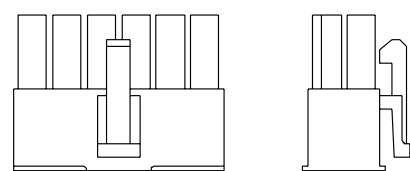
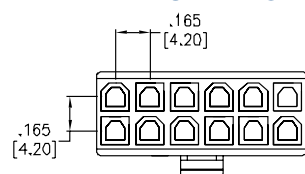
## DMF MALE CRIMP

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMF-X-C-M-R	.165" [4.20mm]	Tin	<a href="#">View</a>
DMF-X-C-M-G-R	.165" [4.20mm]	Gold	<a href="#">View</a>
DMF-X-C-M-MT-R	.165" [4.20mm]	Matte Tin	<a href="#">View</a>

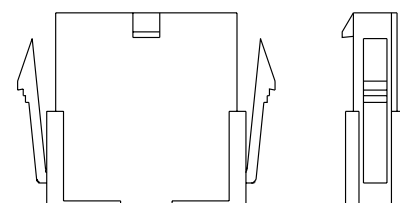
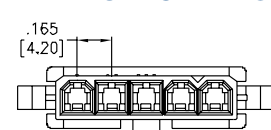
### DMH SINGLE ROW



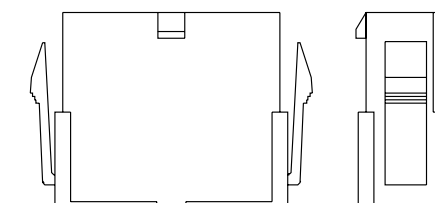
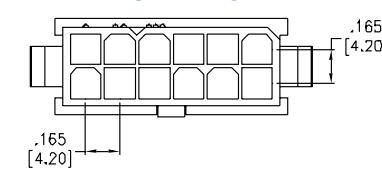
### DMH DUAL ROW



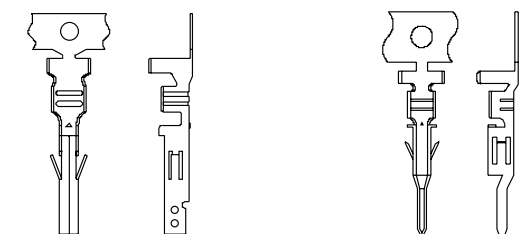
### DMF SINGLE ROW



### DMF DUAL ROW



## DMH FEMALE CRIMP DMF MALE CRIMP



# Wire to Board Power Connectors and Systems

.165" [4.2MM] BLIND MATE WIRE HOUSING & HEADER

## FEATURES & SPECIFICATIONS

### FEATURES:

- .165" [4.2mm] pitch
- Positions: 2 to 24
- Dual row
- Polarized anti-vibration design

### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated, (Gold Optional)

### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: Awg dependent
- Contact Resistance: 20 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1500V AC/DC for 1 minute

### Temperature Rating:

- Operating temperature range: -40°C to +105°C

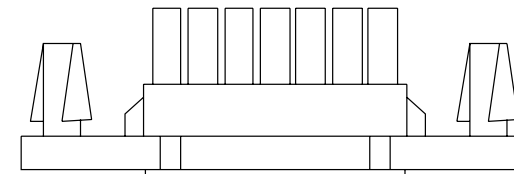
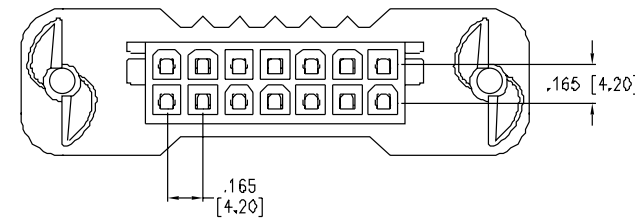
### PACKAGING:

- Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

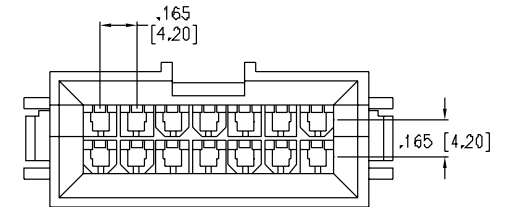
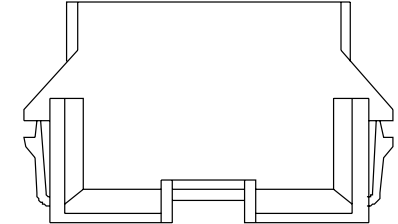
- UL Recognized File no. E224053

## DMY WIRE RECEPTACLE HOUSING



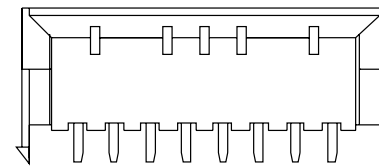
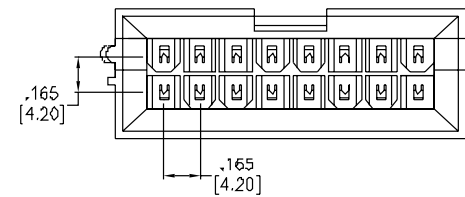
Use with DMH Female Crimps

## DMF WIRE PLUG HOUSING

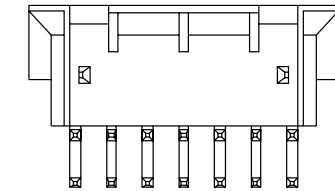
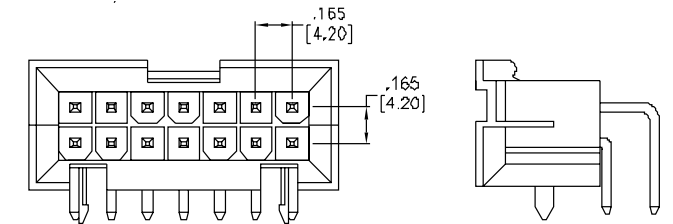


Use with DMF Male Crimps

## DMX VERTICAL HEADER



## DMX R/A HEADER



## WIRE RECEPTACLE HOUSING PART NUMBER CONFIGURATION

SERIES	TYPE	POSITIONS	UL94VX RATING
<b>DMY</b> - <b>B</b> - <b>XX</b> - <b>V0</b>			
<b>DMY</b> = .165 [4.20mm] Pitch Blind Mate Wire Receptacle Housing	<b>B</b> = Type B	<b>02 Thru 24</b>	<b>V0</b> = UL94V0

## WIRE PLUG HOUSING PART NUMBER CONFIGURATION

SERIES	POSITIONS	TYPE	PANEL MOUNT	UL94VX RATING
<b>DMF</b> - <b>XX</b> - <b>WB</b> - <b>PM</b> - <b>V0</b>				
<b>DMY</b> = .165 [4.20mm] Pitch Blind Mate Wire Plug Housing	<b>02 Thru 24</b>	<b>WB</b> = Type	<b>PM</b> = Panel Mount	<b>V0</b> = UL94V0

## PCB HEADERS PART NUMBER CONFIGURATION

SERIES	POSITIONS	MOUNTING TYPE	PLATING	UL94VX RATING
<b>DMX</b> - <b>XX</b> - <b>RA</b> - <b>P</b> - <b>G</b> - <b>A</b> - <b>V0</b>				
<b>DMF</b> = .165 [4.20mm] Blind Mate PCB Header	<b>02 Thru 24</b>	<b>A</b> = Vertical Mount <b>RA</b> = Right Angle	<b>Blank</b> = No Peg <b>P</b> = W/ Peg <b>G</b> = Gold	<b>Blank</b> = Vertical <b>A</b> = Right Angle <b>V0</b> = UL94V0

## DMY WIRE RECEPTACLE HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
<a href="#">DMY-B-XX-V0</a>	.165" [4.20mm]	2	<a href="#">View</a>

## DMF WIRE PLUG HOUSING

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
<a href="#">DMF-XX-WB-PM</a>	.165" [4.20mm]	2	<a href="#">View</a>
<a href="#">DMF-XX-WB-PM-V0</a>	.165" [4.20mm]	2	<a href="#">View</a>

## DMX HEADERS

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
<a href="#">DMX-XX-A-V0</a>	.165" [4.20mm]	2	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">DMX-XX-RA-P-A-V0</a>	.165" [4.20mm]	2	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">DMX-XX-RA-P-G-V0</a>	.165" [4.20mm]	2	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">DMX-XX-RA-P-MT-V0</a>	.165" [4.20mm]	2	Right Angle	Through Hole	Matte Tin	Bag	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- .250" [6.35mm] pitch
- Positions: 2 to 15
- Single and matrix row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

##### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 11~13 Amps max. (wire dependent)

- Contact Resistance: 10 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 5000V AC/DC for 1 minute

##### Temperature Rating:

- Operating temperature range: Varies by connector style

##### PACKAGING:

- Anti-ESD plastic bags

##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### PCB HEADER PART NUMBER CONFIGURATION

DME - F - XX - S - S - P - SQ						
SERIES	TYPE	POSITIONS	MOUNTING ANGLE	ROW OPTION	LOCKING OPTION	ROW ASSIGNMENT
DME = .250 [6.35mm] Pitch Connector PCB Housings	Blank = Male Pin F = Female Pin	02 ~ 15	S & S2 = Straight	S = Single Row	Blank = non P = W/ Polarizing E = W/ Ears	SQ = Matrix Row

PART NUMBER	PITCH	NO. OF ROWS	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
DME-F-XX-RA-E-V0	.250" [6.35mm]	1	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-P-S-NDH-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-P-SQ-G-V0	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-F-XX-S-P-SQ-SG-V0	.250" [6.35mm]	3	Vertical	Through Hole	Selective Gold	Bag	<a href="#">View</a>
DME-F-XX-S-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-S-G-V0	.250" [6.35mm]	1	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-F-XX-S-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S-SQ-G-V0	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-F-XX-S-SQ-G-V0-50	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-F-XX-S-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-F-XX-S2-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-P-S-G-V0	.250" [6.35mm]	1	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-XX-S-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-P-SQ-BK	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-S-HT-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-S-NDH-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-SQ-NDH-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S-SQ-V0-G	.250" [6.35mm]	3	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
DME-XX-S-SQ-V0-SG	.250" [6.35mm]	3	Vertical	Through Hole	Selective Gold	Bag	<a href="#">View</a>
DME-XX-S2-P-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-P-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-P-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-P-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-S	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-S-V0	.250" [6.35mm]	1	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-SQ	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
DME-XX-S2-SQ-V0	.250" [6.35mm]	3	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>

# Wire to Board Power Connectors and Systems

.250" [6.35MM] WIRE HOUSING & CRIMP TERMINALS

## FEATURES & SPECIFICATIONS

### FEATURES:

- .250" [6.35mm] pitch
- Positions: 2 to 15
- Single and matrix row
- Secure latching
- Polarized anti-vibration design
- Molded pegs

### SPECIFICATIONS:

#### Material:

- Insulator: Nylon 66, rated UL94V-2 or UL94V-0
- Insulator Color: Natural or black
- Contacts: Brass, tin plated

#### Electrical:

- Operating voltage: 600V AC / DC max.
- Current Rating: 11~13 Amps max. (wire dependent)

- Contact Resistance: 10 mohms max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 5000V AC/DC for 1 minute

#### Temperature Rating:

- Operating temperature range: Varies by connector style

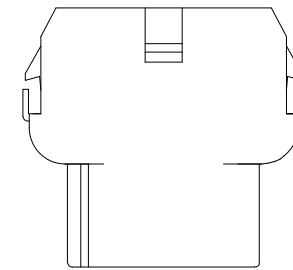
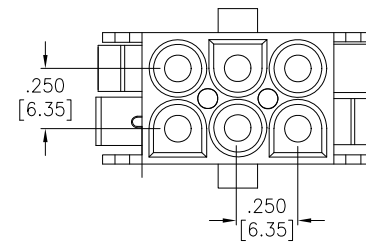
#### PACKAGING:

- Anti-ESD plastic bags

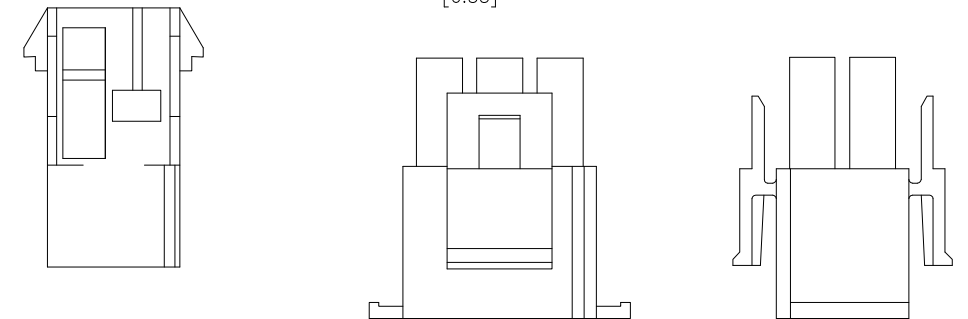
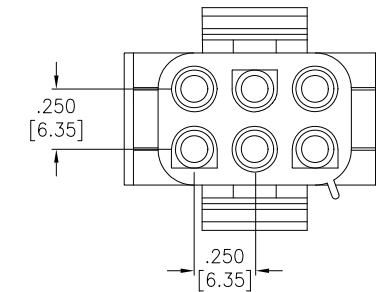
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### DME-F SQUARE



### DME-M SQUARE



## WIRE HOUSING PART NUMBER CONFIGURATION

**DME - M - XX - SQ - V0**

SERIES	HOUSING TYPE	POSITIONS	ROW ASSIGNMENT	UL94VX RATING
<b>DME</b> = .250 [6.35mm] Pitch Connector PCB Housings	<b>M</b> = Male Housing <b>M2</b> = Male Housing <b>F</b> = Female Housing <b>F2</b> = Female Housing	<b>02 Thru 15</b>	<b>Blank</b> = Single Row <b>SQ</b> = Matrix Row	<b>Blank</b> = V2 <b>V0</b> = V0

## HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DME-F-01	View.250" [6.35mm]	1	<a href="#">View</a>
DME-F-02	View.250" [6.35mm]	1	<a href="#">View</a>
DME-F-02-V0	.250" [6.35mm]	1	<a href="#">View</a>
DME-F-03	View.250" [6.35mm]	1	<a href="#">View</a>
DME-F-03-V0	.250" [6.35mm]	1	<a href="#">View</a>
DME-F-04	.250" [6.35mm]	1	<a href="#">View</a>
DME-F-04-V0	.250" [6.35mm]	1	<a href="#">View</a>
DME-F-05	.250" [6.35mm]	1	<a href="#">View</a>
DME-F2-XX	.250" [6.35mm]	1	<a href="#">View</a>
DME-F2-XX-SQ	.250" [6.35mm]	3	<a href="#">View</a>
DME-F2-XX-SQ-V0	.250" [6.35mm]	3	<a href="#">View</a>
DME-F2-XX-V0	.250" [6.35mm]	1	<a href="#">View</a>

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DME-M-03	View.250" [6.35mm]	1	<a href="#">View</a>
DME-M-04	.250" [6.35mm]	1	<a href="#">View</a>
DME-M-05	.250" [6.35mm]	1	<a href="#">View</a>
DME-M-06	.250" [6.35mm]	1	<a href="#">View</a>
DME-M-06-SQ	.250" [6.35mm]	3	<a href="#">View</a>
DME-M-08	.250" [6.35mm]	1	<a href="#">View</a>
DME-M-09-SQ	.250" [6.35mm]	3	<a href="#">View</a>
DME-M2-XX	.250" [6.35mm]	1	<a href="#">View</a>
DME-M2-XX-SQ	.250" [6.35mm]	3	<a href="#">View</a>
DME-M2-XX-SQ-V0	.250" [6.35mm]	3	<a href="#">View</a>
DME-M2-XX-V0	.250" [6.35mm]	1	<a href="#">View</a>

## CRIMP CONTACT PART NUMBER CONFIGURATION

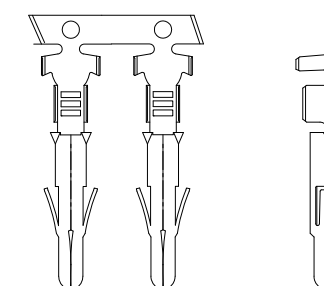
**DME - B - C - M**

SERIES	WIRE RANGE # AWG	CRIMP CONTACT	CONTACT GENDER
<b>DME</b> = .250 [6.35mm] Pitch Connector PCB Housings	<b>A</b> = #18~ #22 <b>B</b> = #16~ #20 <b>C</b> = #14~ #12	<b>C</b> = Crimp contact	<b>M</b> = Male <b>F</b> = Female

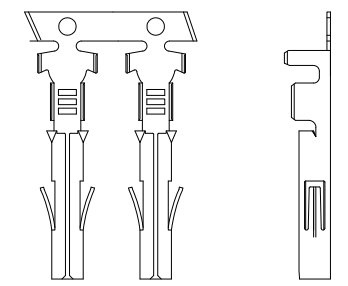
## CRIMP CONTACTS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DME-B1-C-F-R	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-B1-C-M-R	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-C-F	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-C-M-2	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-X-C-F-R	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-X-C-M-R	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-X2-C-F-R	.250" [6.35mm]	Tin	<a href="#">View</a>
DME-X2-C-M-R	.250" [6.35mm]	Tin	<a href="#">View</a>

### DME MALE CRIMP



### DME FEMALE CRIMP



Adam Tech Wire to Wire Power connectors are sets of wire mounted plugs and receptacles with crimp contacts. These sets mate with locking clips or latches for a secure fit. They are suited for a range of wire types and gauges and provide a reliable easymate connection. Available Centerlines are .098", .118", .145", .177", .198", .250" and .264" for nearly any application. UL94V-2 or UL04V-0 plastics are used to satisfy flammability requirements.

## FEATURES & SPECIFICATIONS

### FEATURES:

Wire mounted connectors with crimp contacts  
Pitches ranging from .098" to .264"  
Available in multiple positions  
Locking clips and latches  
Compatible with wide range of wire types and gauges

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
Insulator Color: Natural, black, or white  
Contacts: Brass, tin plated

### Electrical:

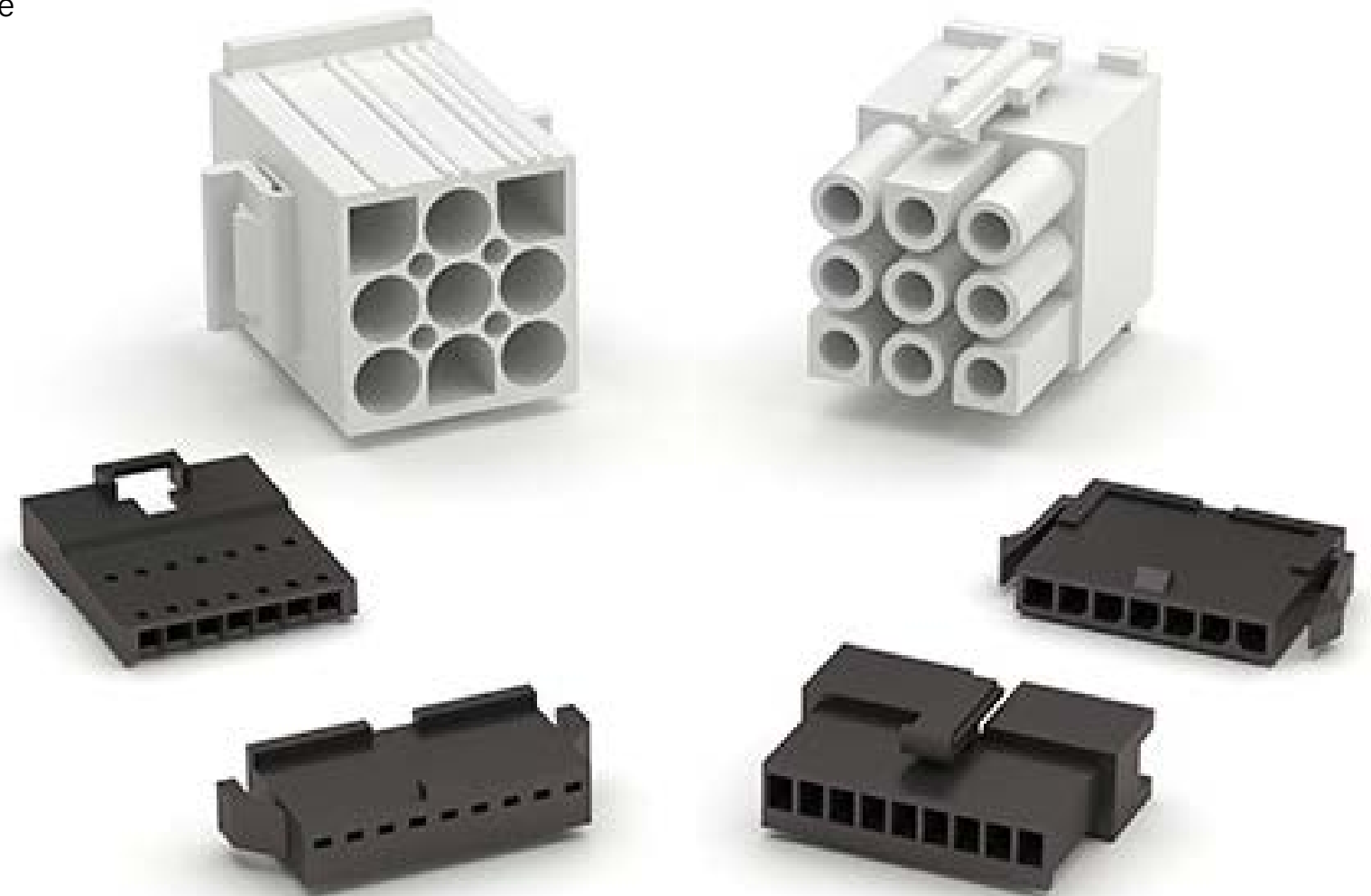
Operating voltage: 250V - 600V AC / DC max.  
Current Rating: 3 - 12 Amps max.  
Contact Resistance: 20 mΩ max.  
Insulation resistance: 1000 MΩ min.  
Dielectric withstanding voltage: 1000V - 5000V AC/DC for 1 minute

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



### FEATURES & SPECIFICATIONS

#### FEATURES:

Wire mounted connectors with crimp contacts  
 .098" [2.50mm] pitch  
 Positions: 2 to 18  
 Single and dual row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

#### SPECIFICATIONS:

##### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

#### Electrical:

Operating voltage: 250V AC / DC max.  
 Current Rating: 3 Amps max.  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

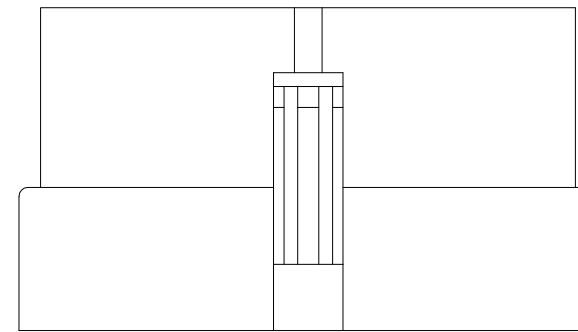
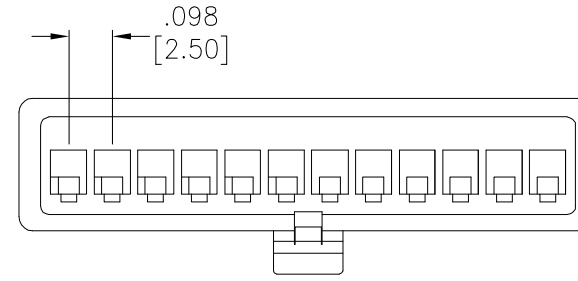
#### PACKAGING:

Anti-ESD plastic bags

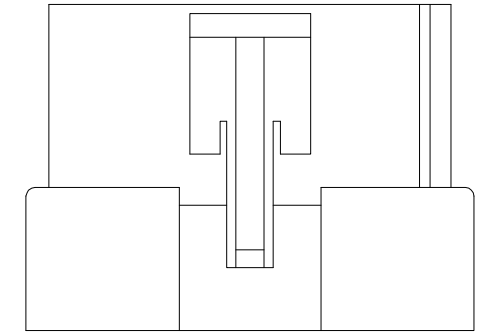
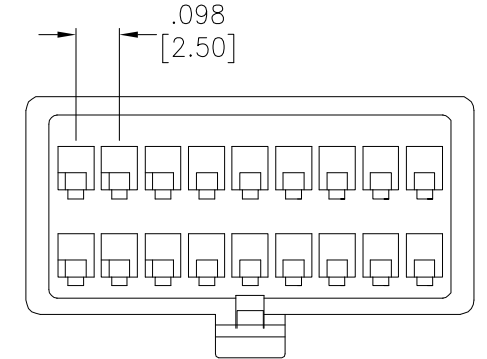
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### 02 TO 12 POSITION SINGLE ROW



### 16 TO 18 POSITION DUAL ROW



### MALE HOUSING PART NUMBER CONFIGURATION

<b>DMQ</b>	-	<b>6</b>
<b>SERIES</b>		<b>POSITIONS</b>
<b>DMQ</b> = .098 [2.50] Male Housing		<b>02 Thru 18</b>

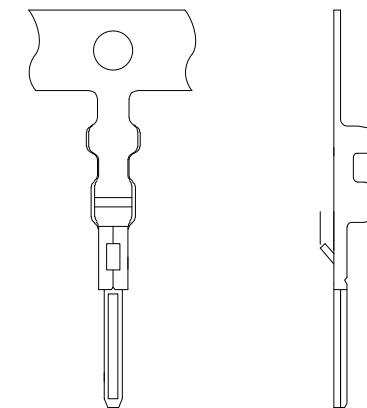
### HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<b>DMQ-XX</b>	.098" [2.50mm]	Receptacle	<a href="#">View</a>
<b>DMQ-XX-WT</b>	.098" [2.50mm]	Receptacle	<a href="#">View</a>

### CRIMP CONTACT PART NUMBER CONFIGURATION

<b>DMQ-A</b>	-	<b>C</b>	-	<b>R</b>
<b>SERIES</b>		<b>CRIMP CONTACT</b>		<b>PACKAGING</b>
<b>DMQ-A</b> : 22~28AWG		<b>C</b> = Crimp contact		<b>R</b> = Reel

### DMQ CRIMP CONTACT



### CRIMP TERMINAL

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
<b>DMQ-A-C-R</b>	.098" [2.50mm]	Male	Tin	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wire mounted connectors with crimp contacts  
 .098" [2.50mm] pitch  
 Positions: 2 to 18  
 Single and dual row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

#### SPECIFICATIONS:

##### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

#### Electrical:

Operating voltage: 250V AC / DC max.  
 Current Rating: 3 Amps max.  
 Insulation resistance: 500 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

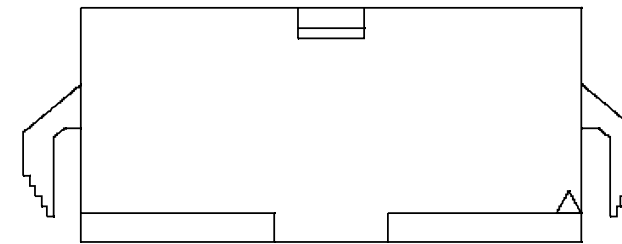
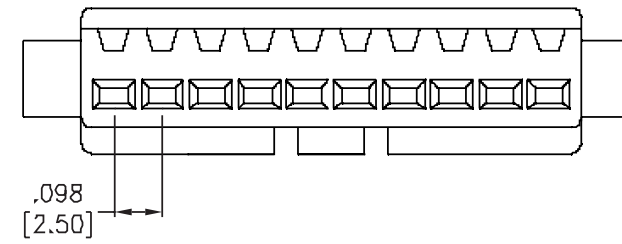
#### PACKAGING:

Anti-ESD plastic bags

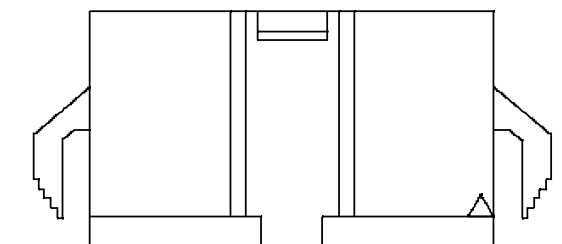
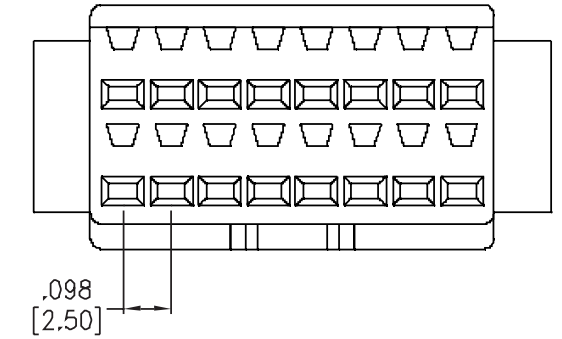
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### DMP SINGLE ROW 02 TO 12 POSITION



#### DMP DUAL ROW 16 TO 18 POSITION



### FEMALE HOUSING PART NUMBER CONFIGURATION

<b>DMP</b>	-	<b>6</b>
<b>SERIES</b>		<b>POSITIONS</b>
<b>DMP</b> = .098 [2.50] Female Housing		<b>02 Thru 18</b>

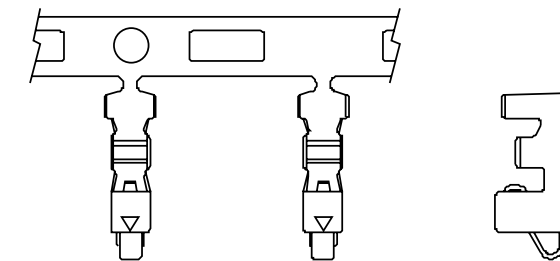
### HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
DMP-XX	.098" [2.50mm]	Receptacle	<a href="#">View</a>
DMP-XX-WT	.098" [2.50mm]	Receptacle	<a href="#">View</a>

### CRIMP CONTACT PART NUMBER CONFIGURATION

<b>DMP-A</b>	-	<b>C</b>	-	<b>R</b>
<b>SERIES</b>		<b>CRIMP CONTACT</b>		<b>PACKAGING</b>
<b>DMP-A</b> : 22~28 AWG		<b>C</b> = Crimp contact		<b>R</b> = Reel

#### DMP CRIMP CONTACT



### CRIMP TERMINAL

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
DMP-A-C-R	.098" [2.50mm]	Male	Tin	<a href="#">View</a>

# Wire to Wire Power Connectors and Systems

.118" [3.0MM] MALE WIRE HOUSING & CRIMP TERMINAL

## FEATURES & SPECIFICATIONS

### FEATURES:

Wire mounted connectors with crimp contacts  
 .118" [3.0mm] pitch  
 Positions: 2 to 24  
 Single and dual row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

### Electrical:

Operating voltage: 250V AC / DC max.  
 Current Rating: 1~5 Amps max. (AWG dependent)  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

### Temperature Rating:

Operating temperature range: -25°C to +85°C

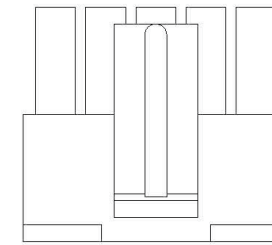
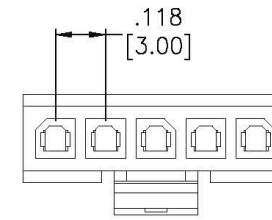
### PACKAGING:

Anti-ESD plastic bags

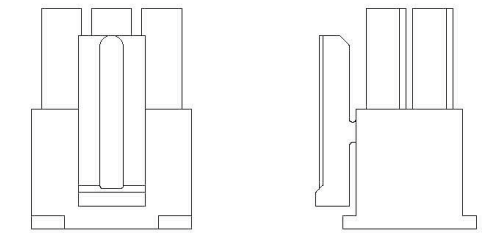
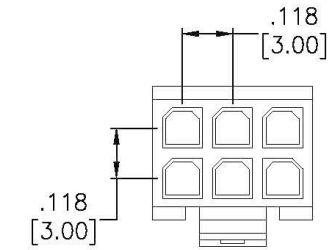
### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### DMT SINGLE ROW



### DMT DUAL ROW



### HOUSINGS

PART NUMBER	PITCH	NO. OF ROWS	PRODUCT DATA
DMT-1-XX	.118" [3.00mm]	1	<a href="#">View</a>
DMT-2-XX	.118" [3.00mm]	2	<a href="#">View</a>

### MALE HOUSING PART NUMBER CONFIGURATION

**DMT - 2 - 12 - P - PCB - SG**

SERIES	HOUSING TYPE	POSITIONS	PCB MOUNTING OPTIONS	MOUNTING TYPE	PLATING OPTIONS
<b>DMT</b> = .118" [3.00mm] Wire Crimp Housing, Male	<b>1</b> = Single row <b>2</b> = Dual row	Single row: <b>02 ~ 12</b> Dual row: <b>02 ~ 24</b>	<b>P</b> = Peg PCB Mount	<b>PCB</b> = PCB solder Type	<b>Blank</b> = Tin <b>SG</b> = Selective Gold

### CRIMP CONTACT PART NUMBER CONFIGURATION

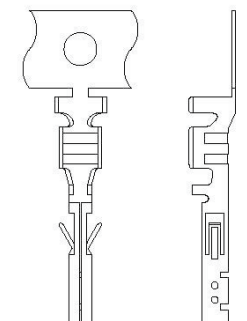
**DMT - A - C - F - T - R**

SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING OPTIONS
<b>DMT</b> = .118 [3.00mm] Pitch Crimp Contacts	<b>A</b> = 26 ~ 30 AWG <b>B</b> = 20 ~ 24 AWG	<b>C</b> = Crimp contact	<b>F</b> = Female	<b>T</b> = Tin	<b>R</b> = Reel

### CRIMP TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
DMT-A5-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-B5-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-C-F-G-1	.118" [3.00mm]	Gold	<a href="#">View</a>
DMT-C-F-T-1	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-X-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-X1-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-X2-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>
DMT-X5-C-F-T-R	.118" [3.00mm]	Tin	<a href="#">View</a>

### DMT FEMALE CRIMP CONTACT





# Wire to Wire Power Connectors and Systems

.118" [3.0MM] FEMALE WIRE HOUSING & CRIMP TERMINAL

## FEATURES & SPECIFICATIONS

### FEATURES:

Wire mounted connectors with crimp contacts  
 .118" [3.0mm] pitch  
 Positions: 2 to 24  
 Single and dual row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

### Electrical:

Operating voltage: 250V AC / DC max.  
 Current Rating: 1~5 Amps max. (AWG dependent)  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

### Temperature Rating:

Operating temperature range: -25°C to +85°C

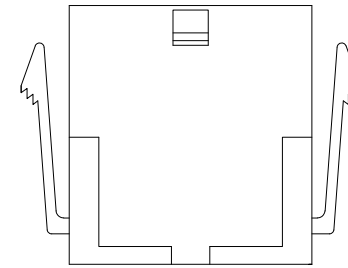
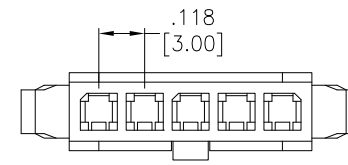
### PACKAGING:

Anti-ESD plastic bags

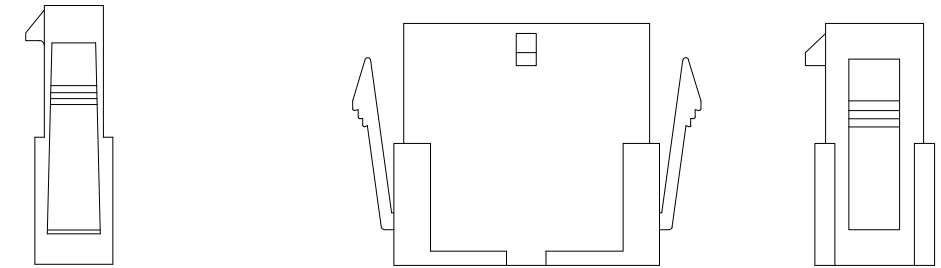
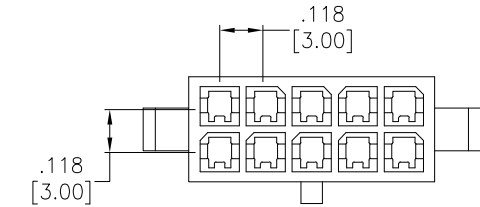
### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

## DMU SINGLE ROW



## DMU DUAL ROW



## FEMALE HOUSING PART NUMBER CONFIGURATION

**DMU - 2A - 12 - T - NPM**

SERIES	HOUSING TYPE	POSITIONS	EAR OPTION
<b>DMU</b> = .118" [3.00mm] Wire Crimp Housing, Female	<b>1A</b> = Single row <b>2A</b> = Dual row	Single row: <b>02 ~ 12</b> Dual row: <b>02 ~ 24</b>	<b>Blank</b> = W/ Mounting Ears <b>NPM</b> = No Mounting Ears

## HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<a href="#">DMU-1-02-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-1-XX-NPM</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-1-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-1A-XX-NPM</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-1A-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-1D-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-2-08-NPM</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-2-XX-NPM</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-2-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-2A-XX-NPM</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-2A-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>
<a href="#">DMU-A-2-XX-T</a>	.118" [3.00mm]	Receptacle	<a href="#">View</a>

## CRIMP CONTACT PART NUMBER CONFIGURATION

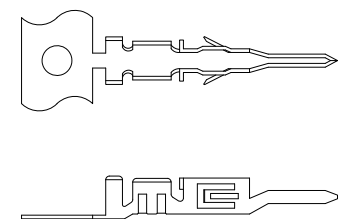
**DMU - A - C - M - T - R**

SERIES	WIRE SIZE	CRIMP CONTACT	CONTACT GENDER	PLATING	PACKAGING OPTIONS
<b>DMU</b> = .118 [3.00mm] Pitch Crimp Contacts	<b>A</b> = 26 ~ 30 AWG <b>B</b> = 20 ~ 24 AWG	<b>C</b> = Crimp contact	<b>M</b> = Male	<b>T</b> = Tin	<b>R</b> = Reel

## CRIMP TERMINALS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
<a href="#">DMU-A-C-M-T-R</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>
<a href="#">DMU-B-C-M-T-R</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>
<a href="#">DMU-C-M-T-1</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>
<a href="#">DMU-C-M-T-2</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>
<a href="#">DMU-X-C-M-T-R</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>
<a href="#">DMU-XI-C-M-T-R</a>	.118" [3.00mm]	Male	Tin	<a href="#">View</a>

## DMU CRIMP CONTACT



# Wire to Wire Power Connectors and Systems

## .163" [4.14MM] MALE & FEMALE WIRE HOUSING & CRIMP TERMINAL

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wire mounted connectors with crimp contacts  
 .163" [4.14mm] pitch  
 Positions: 1 to 24  
 Single, dual, and matrix row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

#### SPECIFICATIONS:

##### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

#### Electrical:

Operating voltage: 300V AC / DC max.  
 Current Rating: 5 Amps max.  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -25°C to +85°C

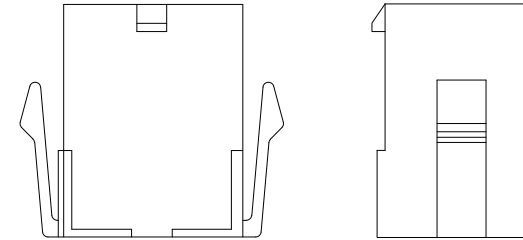
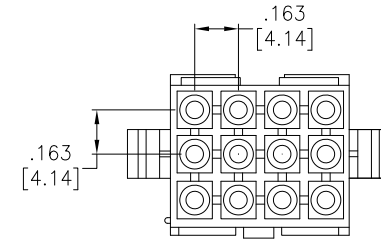
#### PACKAGING:

Anti-ESD plastic bags

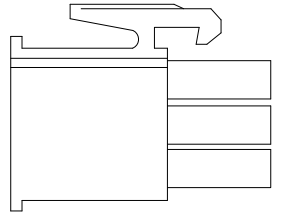
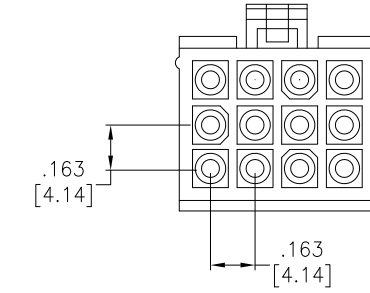
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### DMW FEMALE HOUSING



### DMW MALE HOUSING



### HOUSING PART NUMBER CONFIGURATION

**DMW - F - 15 - DR - E - V0**

SERIES	HOUSING TYPE	POSITIONS	ROW ASSIGNMENT	OPTIONS:	UL94VX RATING
<b>DMW</b> = .163" [4.14mm] WIRE TO WIRE SYSTEM	<b>Blank</b> = Male <b>F</b> = Female	<b>Blank</b> 02 Thru 24 <b>DR</b> series 02 Thru 24 <b>SQ</b> series 09, 12, 15	<b>Blank</b> = Single Row <b>DR</b> = Dual Row <b>SQ</b> = Matrix Row	Add designator(s) to end of part number <b>E</b> = Mounting Ear (Female option)	<b>Blank</b> = V2 <b>V0</b> = V0

### HOUSINGS

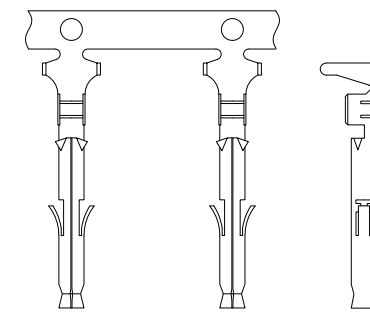
PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<b>DMW-F-02-E</b>	.163" [4.14mm]	Receptacle	<a href="#">View</a>
<b>DMW-F-XX-DR</b>	.163" [4.14mm]	Receptacle	<a href="#">View</a>
<b>DMW-F-XX-DR-V0</b>	.163" [4.14mm]	Receptacle	<a href="#">View</a>
<b>DMW-F-XX-E-DR</b>	.163" [4.14mm]	Receptacle	<a href="#">View</a>
<b>DMW-XX</b>	.163" [4.14mm]	Plug	<a href="#">View</a>
<b>DMW-XX-DR</b>	.163" [4.14mm]	Plug	<a href="#">View</a>
<b>DMW-XX-V0</b>	.163" [4.14mm]	Plug	<a href="#">View</a>

### CRIMP CONTACT PART NUMBER CONFIGURATION

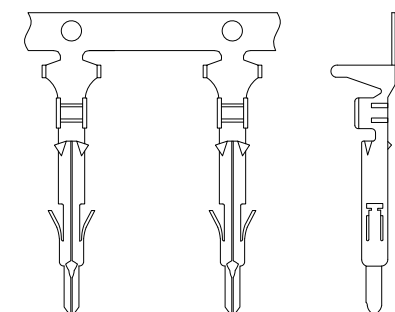
**DMW - B - C - M - R**

SERIES	WIRE RANGE # AWG	CRIMP CONTACT	CONTACT GENDER	PACKING
<b>DMW</b> = .163" [4.14mm] WIRE TO WIRE SYSTEM	<b>A</b> = #18~ #24 <b>B</b> = #22~ #26	<b>C</b> = Crimp contact	<b>M</b> = Male <b>F</b> = Female	<b>R</b> = Reel

### DMW FEMALE CRIMP



### DMW MALE CRIMP



### CRIMP TERMINALS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
<b>DMW-C-F-R</b>	.163" [4.14mm]	Female	Tin	<a href="#">View</a>
<b>DMW-X-C-F-R</b>	.163" [4.14mm]	Female	Tin	<a href="#">View</a>

## FEATURES & SPECIFICATIONS

### FEATURES:

Wire mounted connectors with crimp contacts  
 .177" [4.5mm] pitch  
 Available in multiple positions  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

### Electrical:

Operating voltage: 300V AC / DC max.  
 Current Rating: 5~10 Amps max.  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

### Temperature Rating:

Operating temperature range: -25°C to +85°C

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

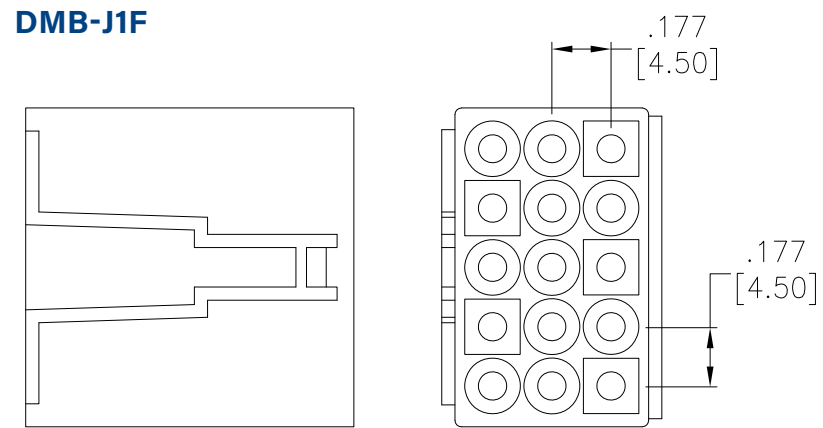
## WIRE HOUSING PART NUMBER CONFIGURATION

SERIES	HOUSING TYPE	POSITIONS	MOUNT TYPE	EAR OPTION
<b>DMB</b> = .177 [4.5mm] Pitch Connector Latch Housings	<b>J1M</b> = Male Housing <b>J1F</b> = Female Housing	Positions	<b>V</b> = Vertical (Straight)	<b>Blank</b> = W/o Ears <b>E</b> = W Ears (only for female)

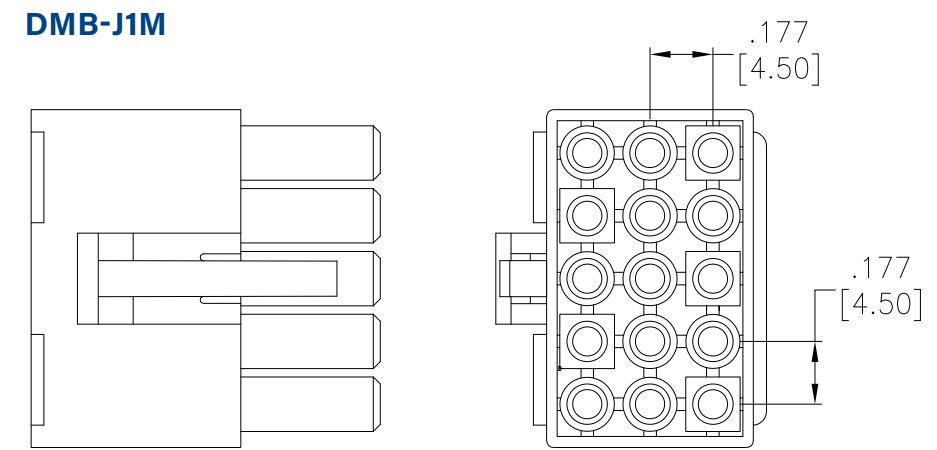
## CRIMP CONTACT PART NUMBER CONFIGURATION

SERIES	J TYPE CONTACT	CONTACT TYPE	WIRE RANGE # AWG	PACKAGING
Connector Housings	<b>JC</b> = J Type	<b>M</b> = Male <b>F</b> = Female	<b>1</b> = #16 ~ #20	<b>R</b> = Reel

### DMB-J1F



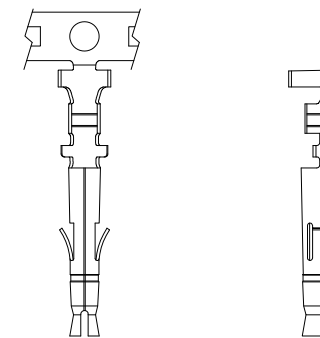
### DMB-J1M



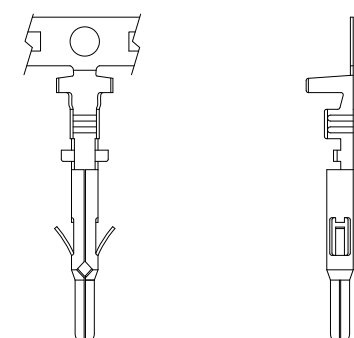
## HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<a href="#">DMB-J1F-XX-V</a>	.177" [4.50mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-J1F-XX-V-E</a>	.177" [4.50mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-J1M-XX-V</a>	.177" [4.50mm]	Plug	<a href="#">View</a>

### DMB FEMALE CRIMP



### DMB MALE CRIMP



## CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
<a href="#">DMB-J1F-F-R</a>	.177" [4.50mm]	Female	Tin	<a href="#">View</a>
<a href="#">DMB-J1F-M-R</a>	.177" [4.50mm]	Male	Tin	<a href="#">View</a>

# Wire to Wire Power Connectors and Systems

.198" [5.03MM] MALE & FEMALE WIRE HOUSING

## FEATURES & SPECIFICATIONS

### FEATURES:

Wire mounted connectors with crimp contacts  
 .198" [5.03mm] pitch  
 Positions: 1 to 15  
 Single and matrix row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural, black, or white  
 Contacts: Brass, tin plated

### Electrical:

Operating voltage: 250V AC / DC max.  
 Current Rating: 5~10 Amps max.  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

### Temperature Rating:

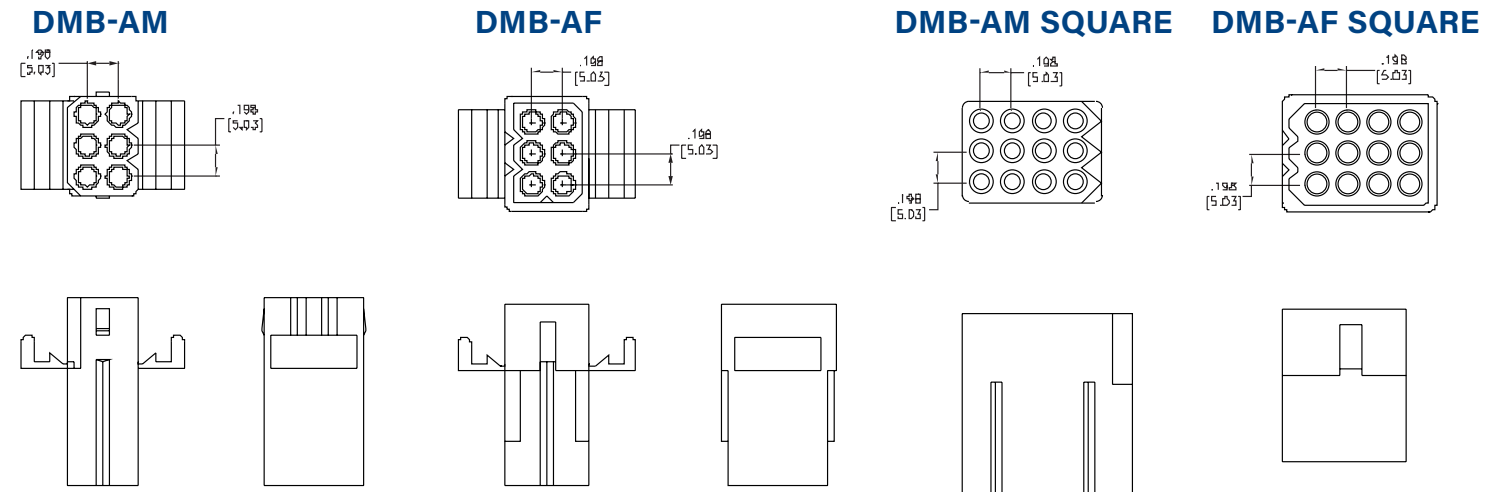
Operating temperature range: -40°C to +105°C

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



## WIRE HOUSING PART NUMBER CONFIGURATION

**DMB - AM - 06 - V - E - WC - VO**

SERIES	HOUSING TYPE	POSITIONS	MOUNT TYPE	EAR OPTION	CONVEX OPTION	UL94VX RATING
<b>DMB</b> = .198 [5.03] Pitch .093" (2.36mm) Connector Housings	<b>AM</b> = Male <b>AF</b> = Female	<b>01-06, 09, 12, 15</b> Positions	<b>V</b> = Vertical (Straight) (01, 02, 03, 04 & 05 positions are available only) <b>SQ</b> = square (04, 06, 09, 12 & 15 positions are available only)	<b>Blank</b> = W/o Ears <b>E</b> = W Ears (01 position is unavailable)	<b>Blank</b> = w/o convex <b>WC</b> = W/ convex (Square: 12 & 15 positions are unavailable only)	<b>Blank</b> = V2 <b>VO</b> = V0

## HOUSINGS

PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<a href="#">DMB-AF-01-V</a>	.248" [6.30mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-02-V</a>	.248" [6.30mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-03-V</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-03-V-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-04-SQ</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-04-SQ-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-04-V</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-04-V-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-05-V</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-05-V-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-06-SQ-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-09-SQ</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-AF-09-SQ-E</a>	.198" [5.03mm]	Receptacle	<a href="#">View</a>

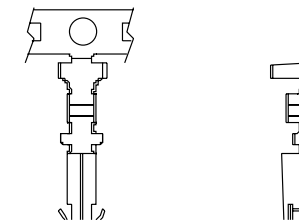
PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<a href="#">DMB-AM-02-V-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-03-V-E-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-03-V-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-04-SQ-E-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-04-SQ-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-04-V-E-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-04-V-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-05-V-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-06-SQ-E-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-09-SQ-E-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-09-SQ-WC</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
<a href="#">DMB-AM-12-SQ</a>	.198" [5.03mm]	Plug	<a href="#">View</a>
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## CRIMP CONTACT PART NUMBER CONFIGURATION

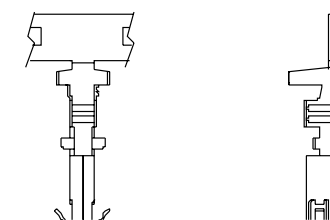
**DMB - A1C - F - 1 - R**

SERIES	J TYPE CONTACT	CONTACT TYPE	WIRE SIZE	PACKAGING
Connector Housings	<b>A1C</b> = J Type	<b>M</b> = Male <b>F</b> = Female	<b>1</b> = 14 ~ 20 AWG <b>2</b> = 20 ~ 24 AWG	<b>R</b> = Reel

### DMB FEMALE CRIMP CONTACT



### DMB MALE CRIMP CONTACT



## CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PLATING	PRODUCT DATA
<a href="#">DMB-A1C-F-X-R</a>	.198" [5.03mm]	Female	Tin	
<a href="#">DMB-A1C-M-X-R</a>	.198" [5.03mm]	Male	Tin	

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wire mounted connectors with crimp contacts  
 .264" [6.70mm] pitch  
 Positions: 1, 2, 3, 4, 6, 9, 12 & 15  
 Single and matrix row  
 Locking clips and latches  
 Compatible with wide range of wire types and gauges

#### SPECIFICATIONS:

##### Material:

Insulator: Nylon 66, rated UL94V-2 or UL94V-0  
 Insulator Color: Natural  
 Contacts: Brass, tin plated

#### Electrical:

Operating voltage: 600V AC / DC max.  
 Current Rating: 17 Amps max.  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 5000V AC for 1 minute

#### Temperature Rating:

Operating temperature range: -55°C to +105°C

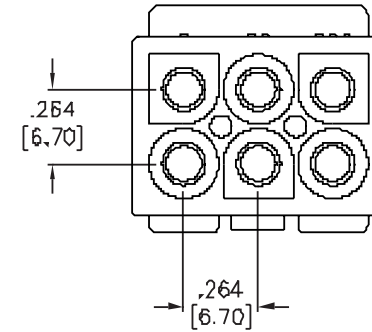
#### PACKAGING:

Anti-ESD plastic bags

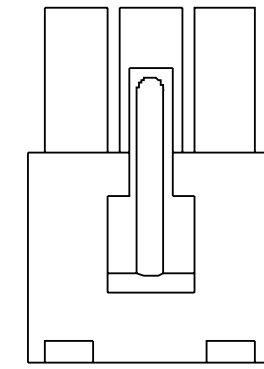
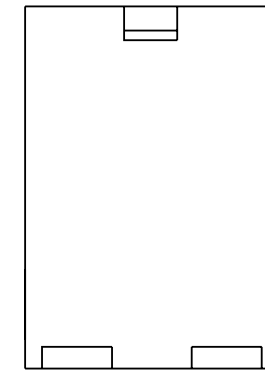
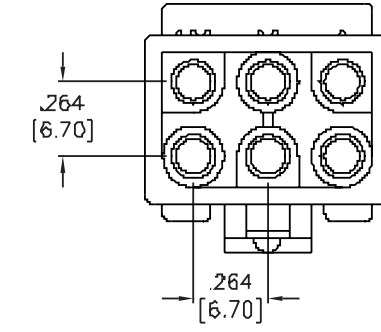
#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### DMB-BF FEMALE CRIMP HOUSING



#### DMB-BM MALE CRIMP HOUSING



### WIRE HOUSING PART NUMBER CONFIGURATION

**DMB - B1M - 03 - V - E**

SERIES	HOUSING TYPE	POSITIONS	ORIENTATION	PANEL MOUNT
<b>DMB</b> = .264 [6.70mm] Pitch Connector Housings	<b>B1M</b> = Male <b>B1F</b> = Female	<b>01, 02, 03, 04,</b> <b>06, 09, 12, 15</b>	<b>V</b> = Straight	<b>E</b> = Ears (BF Housing Type only)

### HOUSINGS

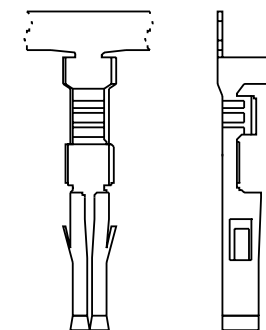
PART NUMBER	PITCH	HOUSING TYPE	PRODUCT DATA
<a href="#">DMB-B1F-XX-V</a>	.264" [6.70mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-B1F-XX-V-E</a>	.264" [6.70mm]	Receptacle	<a href="#">View</a>
<a href="#">DMB-B1M-XX-V</a>	.264" [6.70mm]	Plug	<a href="#">View</a>

### CRIMP CONTACTS PART NUMBER CONFIGURATION

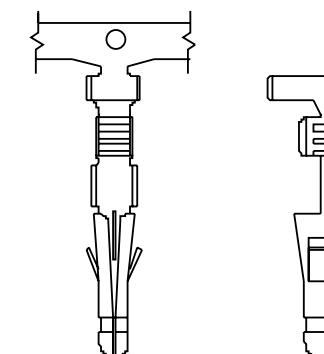
**DMB - B1C - F - 1 - R**

SERIES	CONTACT GENDER	WIRE SIZE	PACKAGING
<b>DMB</b> = .264 [6.70mm] Pitch Crimp Contacts	<b>F</b> = Female <b>M</b> = Male	<b>1</b> = 18 ~ 22 AWG <b>2</b> = 14 ~ 20 AWG	<b>R</b> = Reel

#### DMB-B1C FEMALE CRIMP CONTACT



#### DMB-B1C MALE CRIMP CONTACT



### CRIMP CONTACTS

PART NUMBER	PITCH	TERMINAL TYPE	PRODUCT DATA
<a href="#">DMB-B1C-F-X-R</a>	.264" [6.70mm]	Female	<a href="#">View</a>
<a href="#">DMB-B1C-M-X-R</a>	.264" [6.70mm]	Male	<a href="#">View</a>

# Wire to Board & Wire to Wire Connectors and Systems

DISCONNECTING WIRE TO BOARD .100" [2.54mm] TO .156" [3.96mm] PITCH

Adam Tech Disconnecting Wire to Board series is a combination of various wire housings, board headers, and crimp terminals. The styles include Latching Types with .098", .100", .156" and .200" centerline, IDC termination styles with .100" & .156" centerlines, and locking designs with friction ramps for secure fits.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Matched latching header & housing sets
- Precision .025" sq. posts
- Available in multiple positions
- Polarized anti-vibration design
- Secure friction lock
- Straight, Right Angle mounting headers
- Choice of two latching types
- Housings feature high pressure, low insertion force contacts

### MATING CONNECTORS:

All industry standard .100 and .156 centerline compatible latching headers and housings

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-0 or UL94V-2  
 Insulator Color: Black, white, or natural  
 Contacts: Phosphor bronze and brass

### Contact Plating:

Tin over copper underplate overall

### Electrical:

Operating voltage: 250V AC max.  
 Current rating range: 3 to 5 Amps max.  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage range: 500V to 1000V AC for 1 minute

### Mechanical:

Recommended wire size range: 18 to 28 AWG  
 O.D. insulation max.

### Temperature Rating:

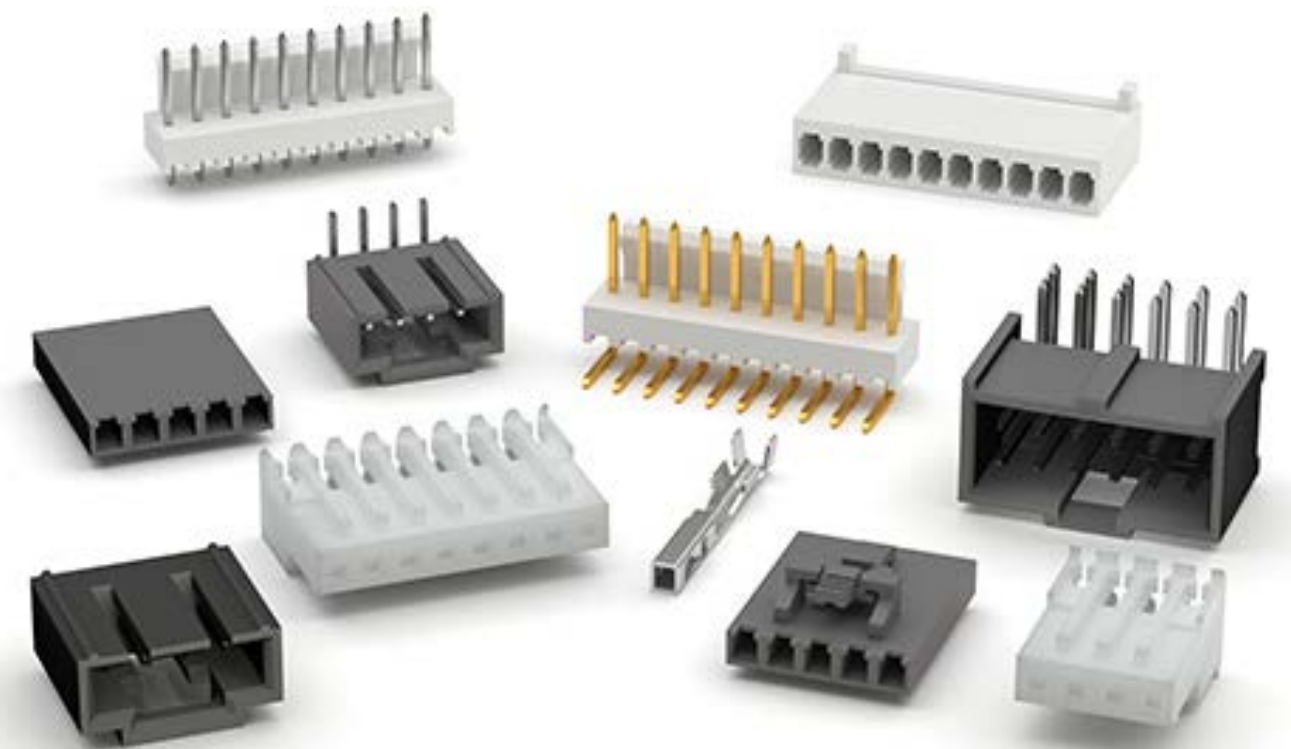
Operating temperature range: -25°C to +85°C

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



## HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
<a href="#">CDR-05-TR-SMT-KT-TR</a>	.100" [2.54mm]	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">CDR-05-TS-SMT</a>	.100" [2.54mm]	Vertical	Surface Mount	Tin		<a href="#">View</a>
<a href="#">CDR-XX-GR</a>	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-GR-HT</a>	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-GR-P</a>	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-GR-SMT-KT-TR</a>	.100" [2.54mm]	Right Angle	Surface Mount	Gold	Tape & Reel	<a href="#">View</a>
<a href="#">CDR-XX-GS</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-GS-HT</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-GS-PI</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-MTS-PI-HT</a>	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">CDR-XX-SGR</a>	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-SGS</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR-XX-TR</a>	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">CDR-XX-TR-HT</a>	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">CDR-XX-TR-SMT</a>	.100" [2.54mm]	Right Angle	Surface Mount	Tin		<a href="#">View</a>
<a href="#">CDR-XX-TR-SMT-KT-TR</a>	.100" [2.54mm]	Right Angle	Surface Mount	Tin	Tape & Reel	<a href="#">View</a>
<a href="#">CDR-XX-TS</a>	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">CDR-XX-TS-HT</a>	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">CDR2-XX-SGS-B</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">CDR2-XX-TS-B</a>	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">LHA-D-XX-GRA-V0</a>	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">LHA-D-XX-GS-V0</a>	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
<a href="#">LHA-D-XX-TRA-V0</a>	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
<a href="#">LHA-D-XX-TS-V0</a>	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>

## HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
LHA-E-XX-TRA-VO	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-E-XX-TS-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-GRA	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
LHA-XX-GRA-VO	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
LHA-XX-GRB	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
LHA-XX-GS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHA-XX-GS-VO	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHA-XX-TRA	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TRA-BK	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TRA-HT-VO	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TRA-VO	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TRB	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TS-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHA-XX-TS-VO-HT	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHAB-D-XX-TS-HT-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHAB-XX-TR-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHAB-XX-TS-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHAD-D-XX-GS-VO	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHAD-D-XX-TS-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHAD-E-XX-TS-VO	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SAI	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SAI-G	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHB-XX-SAI-MT	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SAI-R	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SAI-SMT	.156" [3.96mm]	Vertical	Surface Mount	Tin		<a href="#">View</a>
LHB-XX-SAI-VO-HT	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SA2	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SB1	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHB-XX-SB2	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-GS	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHC-XX-GS-VO	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHC-XX-MTS-VO	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TRA	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TRA-VO	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TRA-VO-HT	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TS	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TS-SMT-VO	.156" [3.96mm]	Vertical	Surface Mount	Tin		<a href="#">View</a>
LHC-XX-TS-VO	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHC-XX-TS-VO-BK	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-GS-VO	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHD-XX-SGS-VO	.156" [3.96mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>

## HEADERS

PART NUMBER	PITCH	MOUNTING ORIENTATION	MOUNTING	PLATING	PACKAGING	PRODUCT DATA
LHD-XX-TRA	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TRA-HT-VO	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TRA-VO	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TRB	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TRB-VO	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TS	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TS-HT-VO	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHD-XX-TS-VO	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHDA-XX-TRA	.156" [3.96mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHDA-XX-TS-BK	.156" [3.96mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHF-XX-SAI	.200" [5.08mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHF-XX-SA2	.200" [5.08mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHF-XX-SB1	.200" [5.08mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHF-XX-SB2	.200" [5.08mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHJ-XX-TS	.098" [2.50mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-GRA	.100" [2.54mm]	Right Angle	Through Hole	Gold	Bag	<a href="#">View</a>
LHS-XX-GS	.100" [2.54mm]	Vertical	Through Hole	Gold	Bag	<a href="#">View</a>
LHS-XX-MTS-SMT	.100" [2.54mm]	Vertical	Surface Mount	Tin		<a href="#">View</a>
LHS-XX-TRA	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-TRB	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-TS-P	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-TS-PB	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>
LHS-XX-TS-SMT	.100" [2.54mm]	Vertical	Surface Mount	Tin		<a href="#">View</a>
LHT-XX-TR	.100" [2.54mm]	Right Angle	Through Hole	Tin	Bag	<a href="#">View</a>
LHTA-XX-TS	.100" [2.54mm]	Vertical	Through Hole	Tin	Bag	<a href="#">View</a>

## HOUSINGS

PART NUMBER	PITCH	PRODUCT DATA
CDH-XX	.100" [2.54mm]	<a href="#">View</a>
MTA-XX	.100" [2.54mm]	<a href="#">View</a>
MTB-XX	.156" [3.96mm]	<a href="#">View</a>
MTS-XX	.100" [2.54mm]	<a href="#">View</a>

## TERMINALS

PART NUMBER	PITCH	PLATING	PRODUCT DATA
CDH-C-R	.100" [2.54mm]	Tin	<a href="#">View</a>
MTA-C-X	.100" [2.54mm]	Tin	<a href="#">View</a>
MTB-C-X	.156" [3.96mm]	Tin	<a href="#">View</a>
MTC-C-X	.156" [3.96mm]	Tin	<a href="#">View</a>
MTS-C-X	.100" [2.54mm]	Tin	<a href="#">View</a>
MTS-C-X-G	.100" [2.54mm]	Gold	<a href="#">View</a>

Adam Tech's Wire to Board Connectors provide IDC termination for various cable types and wire gauges. These connectors are offered in 2-20 positions, .100" [2.54mm] or .156" [3.96mm] pitch, long or short body style, and closed end or feed through types. Wire gauges ranging from 18 AWG to 28 AWG can be accommodated by this product line. Other options include mounting type and insulator color.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Easily mass terminates discrete wire and pre-notched flat cable
- Housings have pre-inserted IDC contacts
- High performance Gas tight IDC connection
- Optional Feed through or Closed end cover

#### SPECIFICATIONS:

##### Material:

- Insulator: Nylon 66, rated UL94V-2
- Insulator Color: Natural
- Contacts: Phosphor bronze and Brass
- Contact Plating: Tin over copper underplate overall

##### Electrical:

- Operating voltage: 250V AC max.
- Current rating:
  - .100" centers: 4. Amp max.
  - .156" centers: 6 Amp max.
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

- Mating force:
  - .100" & .156" Center: 1.3 lbs max
- Unmating force:
  - .100" Center: 0.5 lbs min
  - .156" Center: 1.3 lbs min
  - .100" Centers: Wire size: 28 Awg to 22 Awg
  - .156" Centers: Wire size: 26 Awg to 18 Awg

##### Temperature Rating:

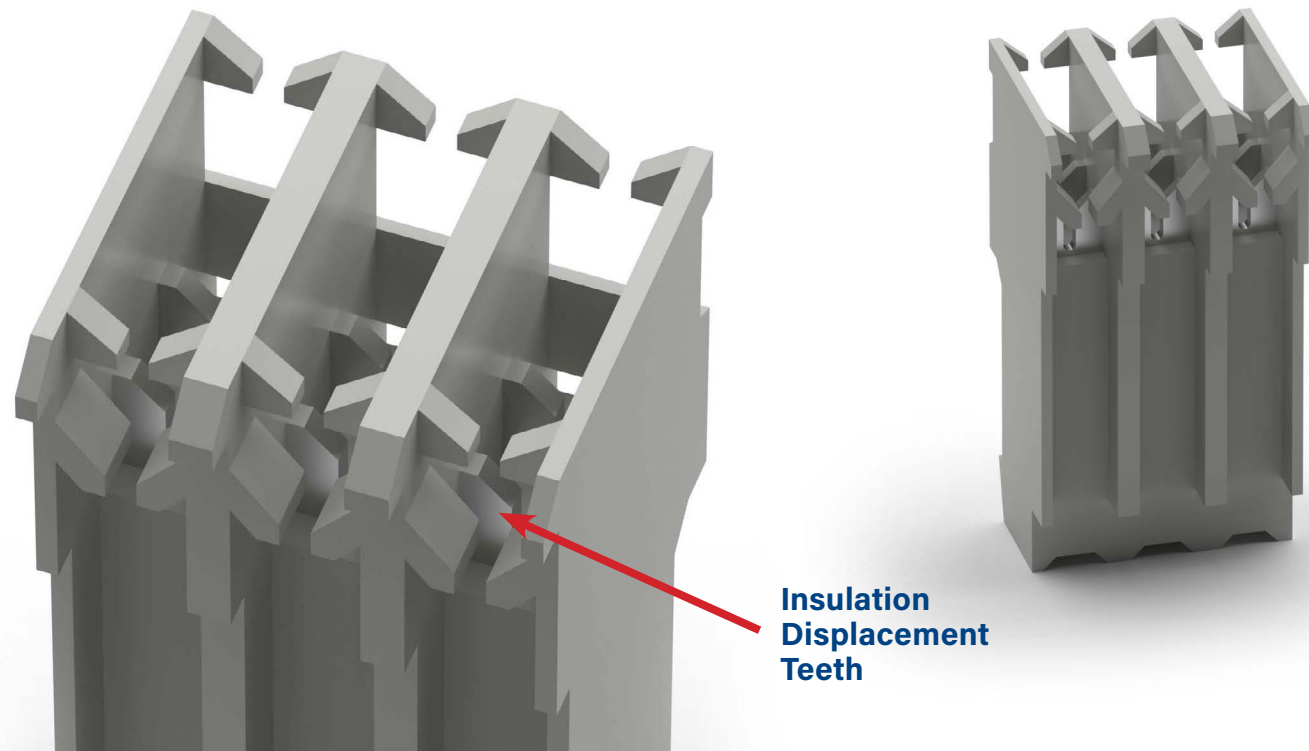
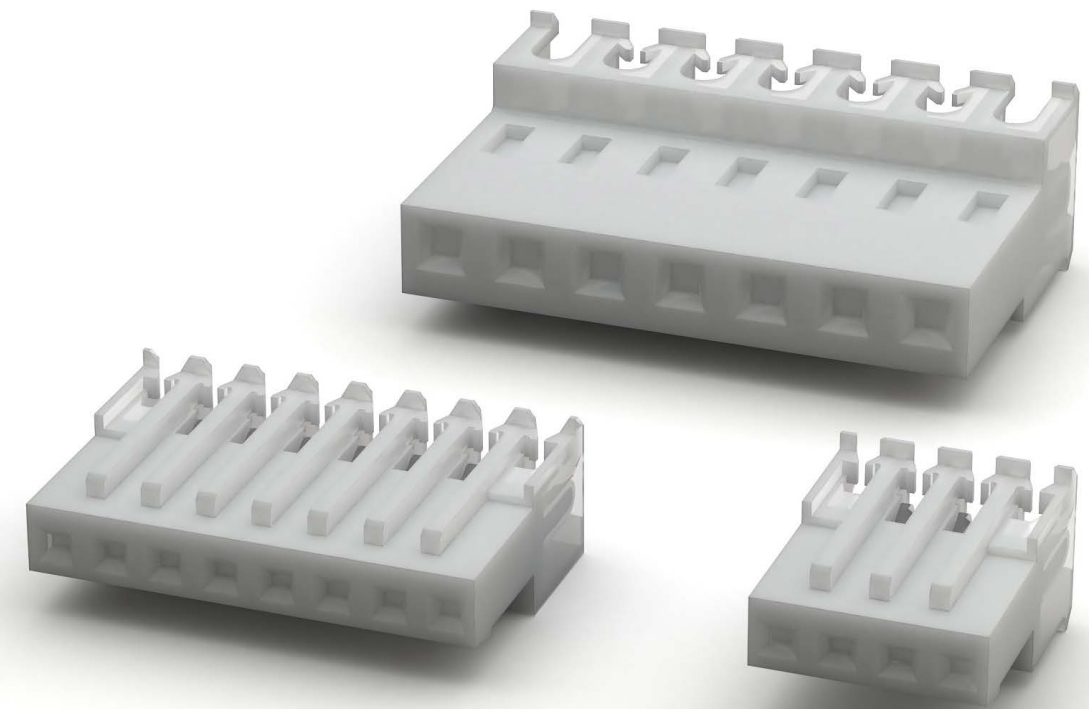
- Operating temperature range: -40°C to +105°C

##### PACKAGING:

- Anti-ESD plastic bags

##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



**Insulation Displacement Teeth**

PART NUMBER	PITCH	BODY STYLE	WIRE AWG	POLARIZING	TYPE	PRODUCT DATA
<a href="#">ESMC-F-XX-SGS-14.10-IDC-L</a>	.050" [1.27mm]		30	No	Closed End	<a href="#">View</a>
<a href="#">MTD-A-XX-X-1</a>	.100" [2.54mm]	Short	22-28	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-A-XX-X-2</a>	.100" [2.54mm]	Short	22-28	No	Closed End	<a href="#">View</a>
<a href="#">MTD-AI-XX-A-1</a>	.100" [2.54mm]	Long	18	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AI-XX-B-1</a>	.100" [2.54mm]	Long	20	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AI-XX-C-1</a>	.100" [2.54mm]	Long	22	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AI-XX-D-1</a>	.100" [2.54mm]	Long	24	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AI-XX-E-1</a>	.100" [2.54mm]	Long	26	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AI-XX-F-1</a>	.100" [2.54mm]	Long	28	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-AC-XX</a>	.100" [2.54mm]				Cover	<a href="#">View</a>
<a href="#">MTD-B-XX-X-1</a>	.156" [3.96mm]	Short	18-26	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-B-XX-X-2</a>	.156" [3.96mm]	Short	18-26	No	Closed End	<a href="#">View</a>
<a href="#">MTD-BI-XX-A-1</a>	.156" [3.96mm]	Long	18	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BI-XX-B-1</a>	.156" [3.96mm]	Long	20	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BI-XX-C-1</a>	.156" [3.96mm]	Long	22	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BI-XX-D-1</a>	.156" [3.96mm]	Long	24	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BI-XX-E-1</a>	.156" [3.96mm]	Long	26	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BI-XX-F-1</a>	.156" [3.96mm]	Long	28	No	Feed Through	<a href="#">View</a>
<a href="#">MTD-BC-XX</a>	.156" [3.96mm]				Cover	<a href="#">View</a>



# Spring Connectors & Battery Systems

ALKALINE, LITHIUM, MOBILE & SNAPS

Adam Tech Spring Connectors, Battery Holders, Battery Snaps and Mobile Battery Connectors are designed to create connections and contain batteries in electronic equipment. This series includes battery holders and coin cell holders for AAA, AA, C, D, 9V and lithium coin cells. Adam Tech produces this series in a variety of terminations such as through hole PCB leads, SMT leads, wire leads and solder lugs. Custom lead lengths on wire configurations are also available.

## FEATURES & SPECIFICATIONS

### BATTERY HOLDER SPECIFICATIONS:

#### Material:

Insulator: Impact resistant Polypropylene, rated UL94-HB

9V Holder, ABS, Glass filled rated UL94-HB

Insulator Color: Black

Spring: Spring Steel, Nickel plated

Contacts: Spring steel, Nickel plated

Snap terminals: Brass, Nickel plated

Wire: 26 Awg, PVC

Electrical:

Operating voltage: 1.5V to 9V DC max.

Temperature Rating:

Operating temperature: -55°C to +85°C

### BATTERY SNAPS SPECIFICATIONS:

#### Material:

Soft PVC or rigid PP or PE

Snap terminals: Brass, nickel plated

Wire: 26 Awg stranded, UL1007, PVC insulation

#### Electrical:

Operating voltage: 9V max.

#### Temperature Rating:

Operating temperature: -55°C to +85°C

### COIN CELL HOLDER & MOBILE BATTERY CONNECTOR SPECIFICATIONS:

#### Material:

Thru-hole: PBT Thermoplastic rated UL-94-VO

SMT: Hi-Temp Thermoplastic rated UL-94-VO

#### Electrical:

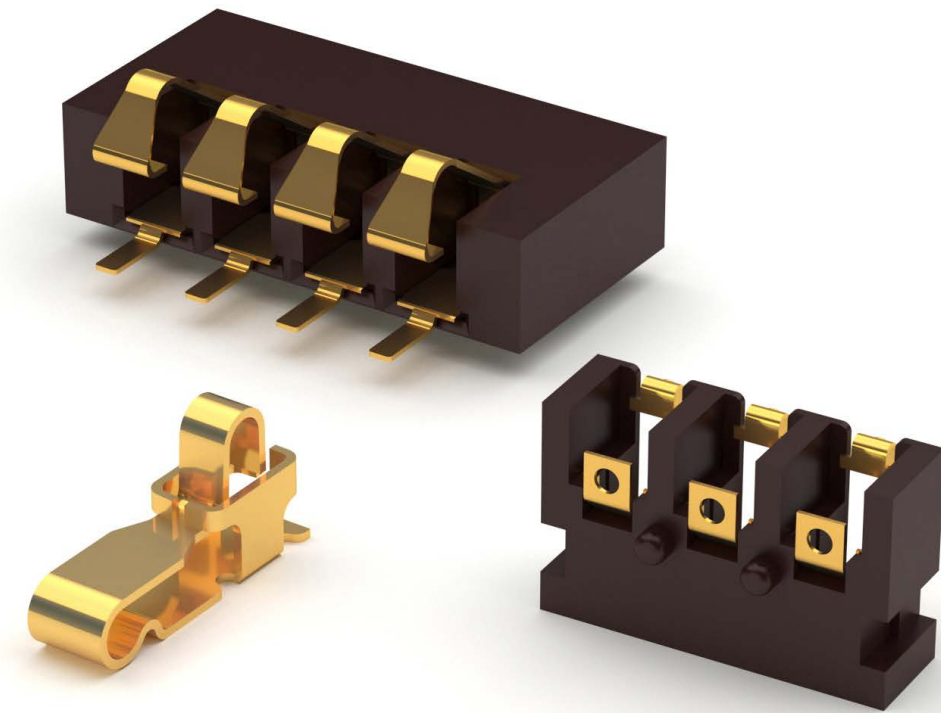
Operating voltage: 9V max.

#### Temperature Rating:

Operating temperature: -55°C to +85°C

### APPROVALS AND CERTIFICATIONS:

Manufactured with UL Recognized Materials



### BATTERY HOLDER PART NUMBER CONFIGURATION

BH	-	01	-	3	-	T/R
SERIES		TYPE		TERMINATION		OPTIONS:
BH = Battery Holder		01 thru 41		1 = PCB Thru Hole 2 = Male/Female Snaps 3 = Solder Terminals 4 = Wire Leads 5.90 [150.00] 5 = SMT		Add designator(s) to end of part number T/R = tape and reel packaging

### BATTERY SNAPS

BS	-	1	-	1
SERIES		TYPE		LEADS
BS = Battery Snap		1 thru 6		1 = Standard length 2 = Special length

### MOBILE BATTERY CONNECTOR

MBC	-	A	-	2	-	T/R
SERIES		TYPE		POSITIONS		OPTIONS:
MBC = Mobile Battery Connector		P thru W		2 thru 8		Add designator(s) to end of part number T/R = tape and reel packaging

## Spring Connectors

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BS-1-1	Battery Snap	9 Volt	9 Volt Battery Snap	<a href="#">View</a>
BS-2-1	Battery Snap	9 Volt	9 Volt Battery Snap	<a href="#">View</a>
BS-4-1	Battery Snap	9 Volt	9 Volt Battery Snap	<a href="#">View</a>
BS-5-1	Battery Snap	9 Volt	9 Volt Battery Snap	<a href="#">View</a>
BS-6-1	Battery Snap	9 Volt	9 Volt Battery Snap	<a href="#">View</a>
MBC-P-03-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-Q-03-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-R-04-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-S-04-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-T-04-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-U-04-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-V-05-TR	Mobile Battery Connector			<a href="#">View</a>
MBC-W-XX-TR	Mobile Battery Connector			<a href="#">View</a>

## Battery Holders

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BH-100A-1	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-102B-5	Battery Holder	AAA	2 Cell	<a href="#">View</a>
BH-105A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-108A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-109A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-109B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-113A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-122A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-123A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-124A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-125A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-127A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-128A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-129A-5	Battery Holder	AAA	1 Cell	<a href="#">View</a>
BH-25C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-25D-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-25E-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-25F-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-27A-5-G-WT	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-27A-5-WT	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-28A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-32C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-32D-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-32E-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-32F-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-32H-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-35A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-44A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44C-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44D-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44F-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-44G-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-49A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-49A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-49A-5-T-BK	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-49B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-49C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-49C-1-BK	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-49E-5	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-49E-5-BK	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>

PART NUMBER	PRODUCT TYPE	BATTERY TYPE (BATTERY HOLDERS)	BODY TYPE (BATTERY HOLDERS)	PRODUCT DATA
BH-50B-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-50C-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-55-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-57A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-67A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-67A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-67B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-67D-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-67E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-68A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-74B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74C-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74E-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74F-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74G-5-P	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74H-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74K-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74L-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74M-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74N-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-74P-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-76A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-78B-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-80A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-80B-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-82-1-2B	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-82-5-2B	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-90-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-91-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-92-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-92A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-94A-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-95A-5	Battery Holder	Coin Cell	Coin Cell Surface Mount	<a href="#">View</a>
BH-98-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>
BH-98R-1	Battery Holder	Coin Cell	Coin Cell Through Hole	<a href="#">View</a>

Adam Tech IEC & Mini IEC series AC Inlets and Outlets are primary power receptacles designed, manufactured, tested and approved to UL, CSA, VDE and other applicable international specifications including IEC-60320 and CEE-22. Adam Tech offers a wide variety of body styles, shapes and orientations to accommodate most class I & II applications with two or three blade contacts in both IEC and Mini IEC configurations. Mounting choices include screw holes and snap-in versions and four termination styles. Options of ganged ports or receptacle with integral fuse holder are also available.

### FEATURES & SPECIFICATIONS

#### FEATURES:

IEC & Mini-IEC types  
IEC-60320, CEE-22 Compliant  
UL, CSA and VDE approved  
Multitude of Body Styles  
Choice of terminations  
Option of Integral Fuse Holder

#### MATING CONNECTORS:

Adam Tech PC series power cords and all standard international IEC 60320 power supply cords.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File Nos. E224051, E224052  
ENEC Approved European Norm Electrical Certification

#### SPECIFICATIONS:

##### Material:

Insulator: Polycarbonate or Nylon 66, glass filled, rated UL94V-0  
Insulator Color: Black  
Contacts: Phosphor Bronze or Brass

##### Plating:

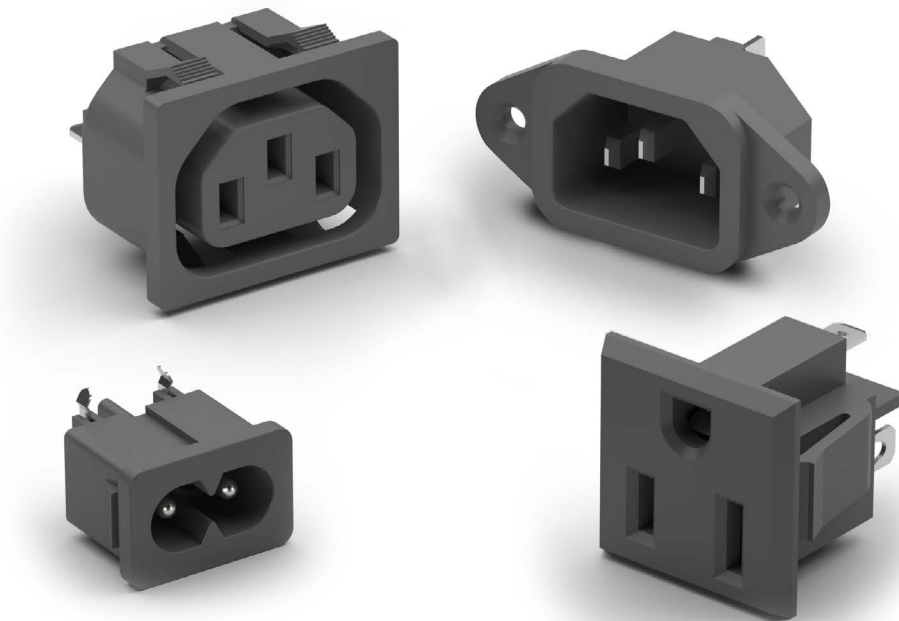
Nickel over copper underplate. (Solder terminals: Tin over copper underplate)

##### Electrical:

Operating Voltage: 250V AC  
Current Rating: IEC - UL & CSA: 15 Amps Max, VDE: 10 Amps Max.  
Mini IEC - UL, CSA & VDE 2.5 Amps Max.  
Insulation Resistance: 100 MΩ Min. @ 500V DC  
Dielectric Withstanding Voltage: 2000V AC for 1 Minute

##### Temperature Rating:

Operation Temperature: -25°C ~ +70°C



### PART NUMBER CONFIGURATION

IEC	-	A	-	1	-	150
SERIES		BODY STYLE		TERMINALS		PANEL THICKNESS
IEC = International inlet/outlet		See below		<b>1</b> = .187" Quick-connect terminals <b>2</b> = .250" Quick-connect terminals <b>3</b> = Solder terminals .157" [4.0mm] <b>4</b> = Right Angle PCB mount <b>5</b> = Solder Terminals .098" [2.5mm]		(for body styles C, D & J only) Blank = Universal Snap <b>080</b> = 0.8mm Panel <b>120</b> = 1.2mm Panel <b>150</b> = 1.5mm Panel <b>200</b> = 2.0mm Panel <b>300</b> = 3.0mm Panel

#### BODY STYLE

- A** = Male Inlet, Screw-on panel mount
- B** = Female Outlet, Screw-on panel mount
- C** = Male Inlet, Snap-in panel mount
- D** = Female Outlet, Snap-in panel mount
- E** = Male Inlet, Right Angle PC board mount with mounting flange (Specify EW, EX, EY or EZ)
- F** = Male Inlet, Screw on panel mount with 5 x 20mm fuse holder
- G** = Male Inlet, Snap-in panel mount with 5 x 20mm fuse holder
- HS** = Inlet/Outlet, snap-in panel mount
- HR** = Inlet/outlet, snap-in panel mount, right angle PCB mount
- J** = Male inlet, right angle PCB & tail with snap-in panel mounting
- NA** = Mini-IEC right angle, snap-in
- NB** = Mini-IEC right angle, slide-in
- NB-A** = Mini-IEC right angle, slide-in with pegs
- NC** = Mini-IEC right angle, with flush flange
- NC-A** = Mini-IEC right angle, with extended face
- ND** = Mini-IEC right angle, with enclosed body
- NF** = Mini-IEC right angle, polarized with flange
- NH** = Mini-IEC right angle, with ground pin
- NH-A** = Mini-IEC right angle, flange mount with ground pin
- GS** = Fused inlet with switch snap in panel mount
- FS** = Fused inlet with switch screw on panel mount
- M** = Female outlet, 20 AMP, Flanged
- N** = Male inlet, 20 AMP, Snap-In

PART NUMBER	TYPE	STYLE	TERMINALS	PANEL THICKNESS	PRODUCT DATA
IEC-A-1	IEC	Male Inlet, Screw On Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-A-2	IEC	Male Inlet, Screw On Panel Mount	.250" QD Terminals	3.0mm	<a href="#">View</a>
IEC-A-3	IEC	Male Inlet, Screw On Panel Mount	.157" Solder Terminals	3.0mm	<a href="#">View</a>
IEC-A-4	IEC	Male Inlet, Screw On Panel Mount	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-B-1	IEC	Female Outlet, Screw On Panel Mount	.187" QD Terminals	3.2mm	<a href="#">View</a>
IEC-B-2	IEC	Female Outlet, Screw On Panel Mount	.250" QD Terminals	3.2mm	<a href="#">View</a>
IEC-C-1	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-C-1-080	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	0.8mm	<a href="#">View</a>
IEC-C-1-150	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	1.5mm	<a href="#">View</a>
IEC-C-1-400	IEC	Male Inlet, Snap In Panel Mount	.187" QD Terminals	4.0mm	<a href="#">View</a>
IEC-C-2	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	3.0mm	<a href="#">View</a>
IEC-C-2-080	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	0.8mm	<a href="#">View</a>
IEC-C-2-150	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	1.5mm	<a href="#">View</a>
IEC-C-2-400	IEC	Male Inlet, Snap In Panel Mount	.250" QD Terminals	4.0mm	<a href="#">View</a>
IEC-C-3	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	3.0mm	<a href="#">View</a>
IEC-C-3-080	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	0.8mm	<a href="#">View</a>
IEC-C-3-150	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	1.5mm	<a href="#">View</a>
IEC-C-3-400	IEC	Male Inlet, Snap In Panel Mount	.157" Solder Terminals	4.0mm	<a href="#">View</a>
IEC-C-5	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	3.0mm	<a href="#">View</a>
IEC-C-5-080	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	0.8mm	<a href="#">View</a>
IEC-C-5-150	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	1.5mm	<a href="#">View</a>
IEC-C-5-400	IEC	Male Inlet, Snap In Panel Mount	.098" Solder Terminals	4.0mm	<a href="#">View</a>
IEC-D-1	IEC	Female Outlet, Snap In Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-D-2	IEC	Female Outlet, Snap In Panel Mount	.250" QD Terminals	3.0mm	<a href="#">View</a>
IEC-D-3	IEC	Female Outlet, Snap In Panel Mount	.157" Solder Terminals	3.0mm	<a href="#">View</a>
IEC-D-SX-150	IEC	Stacked Female Outlet, Snap In Panel Mount		3.0mm	<a href="#">View</a>
IEC-EW-4	IEC	Male Inlet, Right Angle PCB Mount with Mounting Flange	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-EZ-4	IEC	Male Inlet, Right Angle PCB Mount with Mounting Flange	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-F-1	IEC	Male Inlet, Screw On Panel Mount with Fuse Holder	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-F-2	IEC	Male Inlet, Screw On Panel Mount with Fuse Holder	.250" QD Terminals	3.0mm	<a href="#">View</a>
IEC-FS-1	IEC	Fused Inlet with Fused Screw On Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-G-1	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-G-2	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.250" QD Terminals	3.0mm	<a href="#">View</a>
IEC-G-5	IEC	Male Inlet, Snap In Panel Mount with Fuse Holder	.157" Solder Terminals	3.0mm	<a href="#">View</a>
IEC-GS-1-100	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	1.0mm	<a href="#">View</a>
IEC-GS-1-150	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	1.5mm	<a href="#">View</a>
IEC-GS-1-200	IEC	Fused Inlet with Switch Snap in Panel Mount	.187" QD Terminals	2.0mm	<a href="#">View</a>
IEC-HS-1	IEC	Inlet/Outlet Combination, Snap In Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>
IEC-J-4-150	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	1.5mm	<a href="#">View</a>
IEC-J-4-200	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	2.0mm	<a href="#">View</a>
IEC-J-4-300	IEC	Male Inlet, Right Angle PCB Mount	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-M-1	IEC	Male Inlet, Screw On Panel Mount	.187" QD Terminals	3.0mm	<a href="#">View</a>

PART NUMBER	TYPE	STYLE	TERMINALS	PANEL THICKNESS	PRODUCT DATA
IEC-NA-4	Mini IEC	Mini IEC, Right Angle Snap In	Right Angle PCB Mount	2.6mm	<a href="#">View</a>
IEC-NC-4	Mini IEC	Mini IEC, Right Angle with Flush Flange	Right Angle PCB Mount	4.0mm	<a href="#">View</a>
IEC-NC-A-4	Mini IEC	Mini IEC, Right Angle with Extended Face	Right Angle PCB Mount	4.0mm	<a href="#">View</a>
IEC-ND-4	Mini IEC	Mini IEC, Right Angle with Enclosed Body	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-NF-4	Mini IEC	Mini IEC, Right Angle Polarized with Flange	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
IEC-NH-4	Mini IEC	Mini IEC, Right Angle with Ground Pin	Right Angle PCB Mount	4.0mm	<a href="#">View</a>
NEMA-5-1-A	NEMA	NEMA Receptacle	.187" QD Terminals	3.4mm	<a href="#">View</a>
NEMA-5-1-B	NEMA	NEMA Receptacle	.187" QD Terminals	3.4mm	<a href="#">View</a>
NEMA-5-15-PC	NEMA	NEMA Receptacle	Vertical PCB Mount	5.2mm	<a href="#">View</a>
NEMA-5-2	NEMA	NEMA Receptacle		3.5mm	<a href="#">View</a>
NEMA-5-3	NEMA	NEMA Receptacle	IDC Vertical Orientation	5.2mm	<a href="#">View</a>
NEMA-5-3-HW	NEMA	NEMA Receptacle	IDC Horizontal Orientation	5.0mm	<a href="#">View</a>
NEMA-5-3-RA-AN4860-1-065	NEMA	Female Outlet, Snap In Panel Mount	Right Angle PCB Mount	3.0mm	<a href="#">View</a>
NEMA-5-3-RA-PC	NEMA	NEMA Receptacle	Right Angle PCB Mount	5.3mm	<a href="#">View</a>
PA-001	Power Adapter	Adapter: NEMA Plug to USB Type A Socket			<a href="#">View</a>
PA-002	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-003	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-004	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-005	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-006	Power Adapter	Adapter: IEC Socket to DC Plug			<a href="#">View</a>
PA-007-X	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-008-X	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-009-X	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-010	Power Adapter	Adapter: NEMA Plug to USB Type A Socket			<a href="#">View</a>
PA-011	Power Adapter	Adapter: IEC Socket to DC Plug			<a href="#">View</a>
PA-012	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-013	Power Adapter	Adapter: NEMA Plug to DC Plug			<a href="#">View</a>
PA-014	Power Adapter	Adapter: NEMA Plug to USB Type C Socket			<a href="#">View</a>
PC-0102076AC03	Power Cord				<a href="#">View</a>
PC-0103150BA03	Power Cord				<a href="#">View</a>

Adam Tech's EMI/RFI Power Line Filters are designed to block the incoming and outgoing interference of high-frequency signals. This allows devices to run without interruption. Adam Tech's power line filters have a voltage rating of 115/250VAC, and current ratings ranging from 1A to 20A. A variety of options are available, including outline, mounting, and switches.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Line filter type
- Flanged panel or chassis mount
- 115/250VAC voltage rating
- Current ratings ranging from 1 to 20 Amps
- Fused option
- Switch option
- Various termination options including quick connect, wire leads, terminal block, and screw
- Ideal for switching power supplies
- Prevents electromagnetic interference signals from reaching the input power line or the equipment

### APPLICATIONS:

- Medical
- Industrial
- Computers
- Household appliances

### SPECIFICATIONS:

#### Electrical:

- Voltage rating: 115/250VAC
- Current rating range: 1 to 20A RMS max
- Leakage current (each line to ground):
  - 115VAC/60HZ: 0.3mA to 0.5mA max
  - 250VAC/50HZ: 0.6mA to 1.0mA max
- Hipot rating (for 1 minute):
  - A. Line to ground: 2,250 VDC
  - B. Line to line: 500 or 1450 VDC
- IR: 50 Mohms @500 VDC any input or output to ground

#### Temperature Rating:

Operating temperature range: -25°C to +100°C

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E244331



PART NUMBER	MOUNTING TYPE	VOLTAGE RATING	CURRENT RATING	FUSED	SWITCHED	TERMINATION	PRODUCT DATA
<a href="#">PLF-11A1-10A-Q</a>	Flanged Panel Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11A1-6A-Q</a>	Flanged Panel Mount	115/250V AC	6 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11B1-10A-Q-R</a>	Chassis Mount	115/250V AC	10 Amp	Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11B1-6A-Q-R</a>	Chassis Mount	115/250V AC	6 Amp	Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11B2-10A-Q</a>	Flanged Panel Mount	115/250V AC	10 Amp	Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11B2-6A-Q-R5</a>	Flanged Panel Mount	115/250V AC	6 Amp	Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11C1-10A-Q</a>	Flanged Panel Mount	115/250V AC	10 Amp	Fused	Yes	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11C4-10A-Q-R</a>	Flanged Panel Mount	115/250V AC	10 Amp	Fused	Yes	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-11E1-10A-W-R</a>	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Wire Leads	<a href="#">View</a>
<a href="#">PLF-11E1-1A-W</a>	Chassis Mount	115/250V AC	1 Amp	Non-Fused	No	Wire Leads	<a href="#">View</a>
<a href="#">PLF-11E1-6A-W</a>	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Wire Leads	<a href="#">View</a>
<a href="#">PLF-11E3-6A-Q-R</a>	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-12D2-10A-Q-R</a>	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-12D2-3A-Q-R</a>	Chassis Mount	115/250V AC	3 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-12D4-20A-Q-R</a>	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-12E4-10A-Q-R</a>	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-12E4-20A-S-R</a>	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Screw	<a href="#">View</a>
<a href="#">PLF-21D3-10A-Q</a>	Chassis Mount	115/250V AC	10 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-21D5-20A-T</a>	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Terminal block	<a href="#">View</a>
<a href="#">PLF-22D1-6A-W</a>	Chassis Mount	115/250V AC	6 Amp	Non-Fused	No	Wire Leads	<a href="#">View</a>
<a href="#">PLF-22D6-20A-Q</a>	Chassis Mount	115/250V AC	20 Amp	Non-Fused	No	Quick Connect .250" [6.35mm]	<a href="#">View</a>
<a href="#">PLF-27D1-3A-W</a>	Chassis Mount	115/250V AC	3 Amp	Non-Fused	No	Wire Leads	<a href="#">View</a>

Adam Tech's Fiber Optic Transceivers transmit and receive data with speed and reliability. The offering includes SFP, SFP+, SFP28, QSFP+, and QSFP28 pluggable modules. With data rates ranging from 1.25G to 100G and transmissions between 10km and 100m, this product line covers a wide range of applications. Most of the offering is composed of single fiber bidirectional transceivers, whose paired A and B parts transmit and receive in two different directions of the center wavelength to cooperatively achieve bi-directional transmission of optical signals on a fiber.

## FEATURES & SPECIFICATIONS

### FEATURES:

SFP, SFP+, SFP28, QSFP+, & QSFP28 modules  
 Data rates: 1.25G, 10G, 25G, 40G, & 100G  
 Transmissions: 10km, 20km, 40km, & 100M  
 Center wavelengths: 850nm, 1310nm, 1270T/1330R, 1330T/1270R, 1310T/1550R, & 1550T/1310R  
 Single fiber bidirectional  
 RoHS compliant

### APPLICATIONS:

Ethernet  
 Fiber channel  
 Wireless  
 Firewalls  
 Routers  
 High-bandwidth data communications

PART NUMBER	TYPE	SPEED	TRANSMISSION RANGE	CENTER WAVELENGTH	BIDIRECTIONAL (BIDI)	PRODUCT DATA
<a href="#">TVASFPBD-X-X</a>	SFP	1.25G	10-20km	1310/1550nm	Yes	<a href="#">View</a>
<a href="#">TVASFPSM-X</a>	SFP	1.25G	10-20km	1310nm	No	<a href="#">View</a>
<a href="#">TVBSFPPBD-X-X</a>	SFP+	10G	10-40km	1270/1330nm	Yes	<a href="#">View</a>
<a href="#">TVCSFP28BD-X-X</a>	SFP28	25G	10km	1270/1330nm	Yes	<a href="#">View</a>
<a href="#">TVDQSFP28SR4-1</a>	QSFP+	40G	100m	850nm	No	<a href="#">View</a>
<a href="#">TVEQSFP28SR4-1</a>	QSFP28	100G	100m	850nm	No	<a href="#">View</a>



## CASE STUDY



Transceivers are commonly utilized in servers, as seen above, to transmit and receive fiber optic signals.

Adam Tech's RF connector series are a comprehensive assortment of Radio Frequency Signal Connectors in standard, miniature, subminiature, micro miniature, and surface mount styles. Included are BNC, TNC, FME, FMA, SMA, SMB, N, F, PAL, UHF, Mini UHF, MCX, MMCX, MHF, W.FL, & 1.6/5.6 coupling versions. Each has a standard industry interface. Most are ideal for applications where size and weight are important in densely populated applications. All afford excellent RF characteristics.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Bodies available with gold or nickel plating  
 Insulators available in Teflon, Delrin, and Polypropylene  
 Standard availability of 50 or 75 ohms impedance  
 Through hole and SMT types for printed circuit board versions  
 Male and female types available in bulkhead and cable mount versions

#### MATING CONNECTORS:

Adam Tech RF series connectors and all industry Standard RF connectors

#### PACKAGING:

Anti-ESD plastic trays or bags

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Housing: Brass, Nickel plated  
 Zinc diecast, Nickel plated  
 Standard Insulators: Delrin, Polypropylene or Teflon

Optional Hi-Temp Insulator: Teflon  
 Contacts: Beryllium copper, Gold plated

#### Electrical:

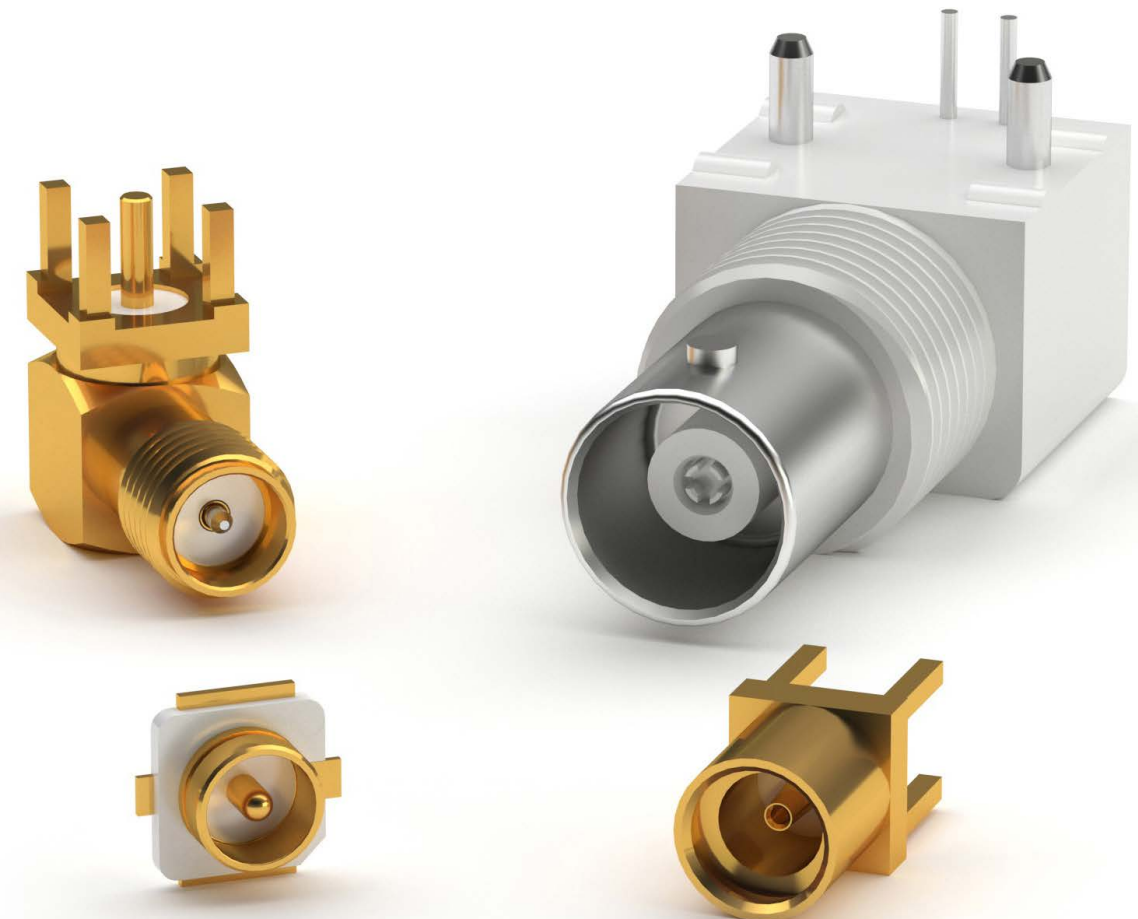
Operating voltage: 150V AC max.  
 Contact resistance: 5 mΩ max. initial  
 Impedance: 50 or 75 ohms  
 Insulation resistance: 5000 M min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute  
 VSWR: 1.2 max  
 Frequency range: 0 – 6 GHZ

#### Mechanical:

Engagement force: 4.5 lbs max  
 Disengagement force: 2 lbs min  
 Cable retention: equal to breaking strength of cable employed  
 Durability: 500 cycles

#### Temperature Rating:

Operating temperature: -20°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



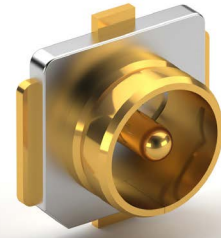
### PART NUMBER CONFIGURATION

SERIES	STYLE	TYPE	INSULATOR MATERIAL	CABLE TYPE OR APPLICATION	IMPEDENCE
<b>RF</b> = RF Connector	<b>1</b> = BNC <b>2</b> = SMA <b>3</b> = SMB <b>4</b> = F <b>5</b> = N <b>6</b> = UHF <b>7</b> = TNC <b>8</b> = FME <b>9</b> = Mini UHF <b>11</b> = MCX <b>12</b> = MMCX <b>20</b> = MHF <b>28</b> = W. FL	<b>01 thru 99</b>	<b>T</b> = Teflon <b>D</b> = Delrin <b>P</b> = Polypropylene	<b>00</b> = PCB Mount <b>01</b> = 55U/58/58A/58C/140U/141/141A/142U/223U/303 <b>02</b> = 174U/188A/316U <b>03</b> = 179U/187U <b>04</b> = 59/59A/59B/62/62AU/62B/62C/210 <b>05</b> = RG 6/U <b>06</b> = RG 213/U <b>07</b> = .141-Semi-Rigid <b>08</b> = .085/.086-Semi-Rigid <b>AS</b> = Adapter or Splitter	<b>50</b> = 50 Ohms <b>75</b> = 75 Ohms

#### OPTIONS

Add as suffix to basic part no.  
**HT** = Hi-Temp insulator for hi-temp soldering processes up to 260°C  
**G** = Gold plated body and contact

## W. FL



**RF28-05-L-00-50-G**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF28-02-T-81-50-G-TR	W. FL	Teflon	50 ohms				<a href="#">View</a>
RF28-01-T-00-50-G	W. FL	Teflon	50 ohms	PCB Mount			<a href="#">View</a>

## MMCX

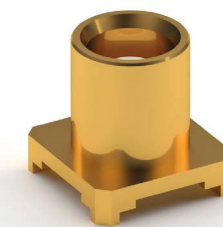


**RF12-07-T-00-50-G**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF12-04-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount		Male	<a href="#">View</a>
RF12-05-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount		Female	<a href="#">View</a>
RF12-05A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-05A-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-06-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-06-T-21-50-G	MMCX	Teflon	50 ohms				<a href="#">View</a>
RF12-06A-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-07-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07B-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07C-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07D-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07E-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-07H-T-00-50-G							<a href="#">View</a>
RF12-08-T-21-50-G	MMCX	Teflon	50 ohms				<a href="#">View</a>
RF12-08A-T-21-50-G	MMCX	Teflon	50 ohms				<a href="#">View</a>
RF12-08B-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-09-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-10-T-21-50-G	MMCX	Teflon	50 ohms				<a href="#">View</a>
RF12-13-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-15-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-15-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-16-T-02-50	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF12-16U-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-17-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-20-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-21-T-02-50-G	MMCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF12-25-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-25A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-26-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-27-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-28-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-29-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-30-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-31-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-32-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-32B-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-35-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-35-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-35A-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-36-T-00-50-G-TR	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-40-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF12-41-T-00-50-G	MMCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>

## MCX



**RF11-01-T-00-50**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF11-01-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount		Female	<a href="#">View</a>
RF11-04-D-00-50-G	MCX	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF11-04-D-00-50-G-15	MCX	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF11-04-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-04-T-00-50-G-15	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-04-T-00-75-G	MCX	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RF11-06-T-00-50-G	MCX	Teflon	50 ohms	RG 213/U			<a href="#">View</a>
RF11-07-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-07-T-03-75-G	MCX	Teflon	75 ohms	179U/187U			<a href="#">View</a>
RF11-07A-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-08-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-11-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-11-T-03-75-G	MCX	Teflon	75 ohms	179U/187U			<a href="#">View</a>



PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF11-11A-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-12-T-08-75-G	MCX	Teflon	75 ohms	.085/.086 Semi Rigid			<a href="#">View</a>
RF11-13-T-21-50-G	MCX	Teflon	50 ohms				<a href="#">View</a>
RF11-14-T-08-50-G	MCX	Teflon	50 ohms	.085/.086 Semi Rigid			<a href="#">View</a>
RF11-15-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-16-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-17-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-17-T-00-50-G-TR	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-18-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RF11-19-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-19A-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-19B-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-25-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RF11-26-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RF11-27-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-27A-T-00-50-G	MCX			PCB Mount			<a href="#">View</a>
RF11-28-T-00-50-G	MCX	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF11-30-T-02-75-G	MCX	Teflon	75 ohms	174U/188A/316U			<a href="#">View</a>
RF11-31-T-00-75-G	MCX	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RF12-01-T-02-50-G	MCX	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>

## BNC



RF1-01A-D-00-75-M

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1- 86-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01-D-00-75-MC	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-50-BK	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-50-HDW	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-75-M-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01-P-00-75-WT-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-00-P-50-M	BNC	Polypropylene	50 ohms				<a href="#">View</a>
RF1-01A-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RF1-01A-D-00-50-WT	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-D-00-75-M	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-D-00-75-M-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-D-00-75-M-HT	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-P-00-50-M	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-P-00-50-M-HDW	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-PP-00-50-FAC	BNC		50 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-PP-00-75-HDW	BNC		75 ohms	PCB Mount			<a href="#">View</a>
RF1-01A-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01B-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01B-D-00-50-WT-HDW	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01B-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01B-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01B-D-00-75-WT-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01C-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01D-D-00-75-MC	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01D-P-00-50-M	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01D-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01D-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01D-P-00-75-M-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01E-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01E-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01F-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01G-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01H-D-00-XX-BK-HDW	BNC	Delrin		PCB Mount			<a href="#">View</a>
RF1-01H-D-00-XX-HDW	BNC	Delrin		PCB Mount			<a href="#">View</a>
RF1-01H-D-00-XX-M-HDW	BNC	Polypropylene		PCB Mount			<a href="#">View</a>
RF1-01K-D-00-50-BK-HDW	BNC			PCB Mount			<a href="#">View</a>
RF1-01V-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01V-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01V-P-00-50-M-HDW	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RF1-01V-P-00-75-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01V-P-00-75-M	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-01V-P-00-75-WT-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RF1-03-02-T-50	BNC	Teflon	50 ohms				<a href="#">View</a>
RF1-03-A-04-75	BNC		75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RF1-03-D-01-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RF1-03-D-02-50	BNC	Delrin	50 ohms				<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-03-D-03-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-03-D-04-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-03-D-05-75	BNC	Delrin	75 ohms	RG 6/U			<a href="#">View</a>
RFI-03-D-20-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-03-P-02-50	BNC	Polypropylene	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-03-P-59-50	BNC	Polypropylene	50 ohms				<a href="#">View</a>
RFI-03-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-03-T-03-75	BNC	Teflon	75 ohms	179U/187U			<a href="#">View</a>
RFI-03-T-04-XX	BNC	Teflon		59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-03-T-05-75	BNC	Teflon	75 ohms	RG 6/U			<a href="#">View</a>
RFI-03-T-20-50	BNC	Teflon	50 ohms				<a href="#">View</a>
RFI-03A-T-02-75	BNC	Teflon	75 ohms	174U/188A/316U			<a href="#">View</a>
RFI-03B-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-04-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-04-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-04-T-03-75	BNC	Teflon	75 ohms	179U/187U			<a href="#">View</a>
RFI-04-T-04-75	BNC	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-04-T-21-50	BNC	Teflon	50 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-04A-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-06-D-AS-50	BNC	Delrin	50 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-06-D-XX-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-07-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-07-T-00-75	BNC	Teflon	75 ohms	PCB Mount		Female	<a href="#">View</a>
RFI-07A-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-07B-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-07C-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-08-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-08-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-08-D-14-50-G	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-08-T-14-50	BNC	Teflon	50 ohms				<a href="#">View</a>
RFI-08A-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-100-P-00-75-HDW	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RFI-101-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RFI-105-T-00-75-G	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-106-D-00-50-HDW	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-106-D-00-75-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-107-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-108-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-108-T-00-50-GP	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-108-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-108A-T-00-75-HDW	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-109-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-11-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-11-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-120-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-120-D-00-50-RA	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-120A-D-00-75-RA	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-125-T-AS-75	BNC	Teflon	75 ohms				<a href="#">View</a>
RFI-126-T-AS-75	BNC	Teflon	75 ohms				<a href="#">View</a>
RFI-127-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-127A-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-127A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-128-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-128A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-129-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-129A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-13-D-01-50-G	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-130-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-131-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-132-D-03-75	BNC	Delrin	75 ohms	179U/187U			<a href="#">View</a>
RFI-133-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-134-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-134A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-140-P-00-75	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RFI-15-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-15-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-15-D-00-75-50	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-17-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-17-D-05-75	BNC	Delrin	75 ohms	RG 6/U			<a href="#">View</a>
RFI-18-D-14-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-19-D-03-75	BNC	Delrin	75 ohms	179U/187U			<a href="#">View</a>
RFI-19-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-22-D-XX-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-22-D-XX-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-23-D-XX-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-23-D-XX-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-23-T-XX-50	BNC	Teflon	50 ohms				<a href="#">View</a>
RFI-23A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-23A-D-XX-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-26-T-01-50	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-26-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-26-T-03-75	BNC	Teflon	75 ohms	179U/187U			<a href="#">View</a>
RFI-26A-P-01-75	BNC	Polypropylene	75 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-26A-P-04-75	BNC	Polypropylene	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-26A-P-05-75	BNC	Polypropylene	75 ohms	RG 6/U			<a href="#">View</a>
RFI-27-P-00-75-BLK	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RFI-27-P-00-75-WT	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
RFI-28A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-28A-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-29-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-29-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-29-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-29-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-29A-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-30-D-XX-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-31-D-XX-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-34-D-XX-75	BNC	Delrin	75 ohms				<a href="#">View</a>
RFI-35-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-36-P-04-75	BNC	Polypropylene	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-36-P-05-75	BNC	Polypropylene	75 ohms	RG 6/U			<a href="#">View</a>
RFI-39-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-39-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-41-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-42-D-00-75-M-HDW	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-42-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RFI-42-P-00-50-HT	BNC	Polypropylene	50 ohms	PCB Mount	Hi Temp Insulator		<a href="#">View</a>
RFI-43-T-30-75	BNC	Teflon	75 ohms				<a href="#">View</a>
RFI-44-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-44-D-AS-50-HDW	BNC	Delrin	50 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-44-D-AS-75-HDW	BNC	Delrin	75 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-45-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-46-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RFI-47-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RFI-48-D-AS-50-HDW	BNC	Delrin	50 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-48-D-AS-75-HDW	BNC	Delrin	75 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-48-T-XX-75	BNC	Teflon	75 ohms				<a href="#">View</a>
RFI-49-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-49-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
RFI-50-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-50-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-50-D-05-75	BNC	Delrin	75 ohms	RG 6/U			<a href="#">View</a>
RFI-50-D-21-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-50A-D-21-50	BNC	Delrin	50 ohms				<a href="#">View</a>
RFI-51-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-53-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-53-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
RFI-54-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-54-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-59-D-AS-50	BNC	Delrin	50 ohms	Adapter or Splitter			<a href="#">View</a>
RFI-60-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-61-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-61-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-62-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-63-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-64-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-65-D-02-50	BNC	Delrin	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-66-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-66-T-00-50	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-68-P-01-50	BNC	Polypropylene	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-79-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-83-T-04-75	BNC	Teflon	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-84-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-84-T-00-50-HDW	BNC	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
RFI-85-D-00-75	BNC	Delrin	75 ohms	PCB Mount			<a href="#">View</a>
RFI-89-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-91-D-01-50	BNC	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
RFI-91-D-04-75	BNC	Delrin	75 ohms	59 / 59A / 59B / 62 / 62AU / 62B / 62C 210			<a href="#">View</a>
RFI-92-T-02-50	BNC	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
RFI-92-T-03-75	BNC	Teflon	75 ohms	179U/187U			<a href="#">View</a>
RFI-94-D-00-50	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
RFI-95-T-00-75	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-95-T-00-75-MC	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
RFI-95A-P-00-50	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF1-96-D-00-50-HDW</a>	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-96A-D-00-50-HDW</a>	BNC	Delrin	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-97-P-00-50</a>	BNC	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-97-P-00-75</a>	BNC	Polypropylene	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-98-T-00-75-G-HDW-HT</a>	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-98-T-00-75-G-HDW-HT-L</a>	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-98-T-00-75-G-HDW-HT-M</a>	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-98A-T-00-75-G-HDW-HT-L</a>	BNC	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF1-99-D-AS-50</a>	BNC	Delrin	50 ohms	Adapter or Splitter			<a href="#">View</a>
<a href="#">RF11-11-T-01-50-G</a>	BNC	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>

## SMA



**RF2-01-T-02-50-G**



**RF2-03-T-00-50-G**



**RF2-06A-T-02-50-G**



**RF2-04-T-00-50-G**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF2-01-T-02-50-G</a>	SMA	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
<a href="#">RF2-01-T-07-50-G</a>	SMA	Teflon	50 ohms	.141 Semi Rigid			<a href="#">View</a>
<a href="#">RF2-01-T-08-50-G</a>	SMA	Teflon	50 ohms	.085/.086 Semi Rigid			<a href="#">View</a>
<a href="#">RF2-01A-02-50-G</a>	SMA		50 ohms	174U/188A/316U			<a href="#">View</a>
<a href="#">RF2-02-D-02-50</a>	SMA	Delrin	50 ohms	174U/188A/316U			<a href="#">View</a>
<a href="#">RF2-02-T-01-50-G</a>	SMA	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303			<a href="#">View</a>
<a href="#">RF2-02-T-02-50-G</a>	SMA	Teflon	50 ohms	174U/188A/316U		Male	<a href="#">View</a>
<a href="#">RF2-02-T-08-50-G</a>	SMA	Teflon	50 ohms	.085/.086 Semi Rigid			<a href="#">View</a>
<a href="#">RF2-02-T-21-50-G</a>	SMA	Teflon	50 ohms				<a href="#">View</a>
<a href="#">RF2-02B-T-02-50-G</a>	SMA	Teflon	50 ohms	174U/188A/316U			<a href="#">View</a>
<a href="#">RF2-03-T-00-50</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03-T-00-50-G-10</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF2-03-T-00-50-G-RP</a>	SMA	Teflon	50 ohms	179U/187U			<a href="#">View</a>
<a href="#">RF2-03-T-00-75-G</a>	SMA	Teflon	75 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03A-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03B-T-00-50</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03B-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03B-T-00-50-G-RP</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03C-T-00-50-G-RP</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03D-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03E-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-03N-T-00-50-G-RP</a>	SMA	Teflon	50 ohms	PCB Mount		Male	<a href="#">View</a>
<a href="#">RF2-04-T-00-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-04A-T-00-50-G</a>	SMA						<a href="#">View</a>
<a href="#">RF2-05-T-08-50-G</a>	SMA	Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-06-T-02-50-G</a>	SMA	Teflon	50 ohms	174U/188A/316U		Female	<a href="#">View</a>
<a href="#">RF2-06A-T-02-50-G</a>	SMA						<a href="#">View</a>
<a href="#">RF2-06A-T-21-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-100D-T-00-50-G-HDW-RP</a>	SMA	Teflon	50 ohms	PCB Mount		Male	<a href="#">View</a>
<a href="#">RF2-143-T-17-50-G</a>	SMA		50 ohms	PCB Mount		Female	<a href="#">View</a>
<a href="#">RF2-145A-T-17-50-G-HDW</a>	SMA						<a href="#">View</a>
<a href="#">RF2-152-T-00-50-G-HDW</a>	SMA		50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF2-153-T-02-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-154-T-17-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-155-T-00-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-156-T-00-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-19A-T-00-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-44A-T-00-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-44B-T-00-50-G</a>	SMA		50 ohms				<a href="#">View</a>
<a href="#">RF2-49B-T-00-50-G-HDW</a>	SMA		50 ohms	PCB Mount			<a href="#">View</a>

## MHF

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF20-01-P-00-50-G</a>	MHF	Polypropylene	50 ohms	PCB Mount			<a href="#">View</a>

## UHF

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF9-01-D-01-50</a>	UHF	Delrin	50 ohms				<a href="#">View</a>

# Radio Frequency Connectors

TNC, MINI UHF, FME, N, F & SMB

## TNC



**RF1-07-T-00-75**



**RF7-01-D-02-50**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF7-01-D-02-50</a>	TNC	Delrin	50 ohms	174U/188A/316U		Male	<a href="#">View</a>
<a href="#">RF7-08-T-20-50</a>	TNC	Teflon	50 ohms	174U/188A/316U		Female	<a href="#">View</a>
<a href="#">RF7-11-T-02-50</a>	TNC	Teflon	50 ohms				<a href="#">View</a>

## Mini UHF



**RF4-02-T-AS-75**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF13-01-T-00-50</a>		Teflon	50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF13-02-T-AS-50-HDW</a>		Teflon	50 ohms	Adapter or Splitter			<a href="#">View</a>
<a href="#">RF13-03-T-AS-50</a>		Teflon	50 ohms	Adapter or Splitter			<a href="#">View</a>
<a href="#">RF20-01B-L-00-50-G-T/R</a>							<a href="#">View</a>
<a href="#">RF20-10A-L-00-50-G-T/R</a>							<a href="#">View</a>
<a href="#">RF4-89-X-05-75</a>			75 ohms				<a href="#">View</a>

## FME



**RF8-01-T-01-50-G**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF8-01-T-00-50</a>	FME	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	<a href="#">View</a>

## N



**RF5-01-D-01-50**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF5-01-T-01-50</a>	N		50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	<a href="#">View</a>
<a href="#">RF5-02-D-01-50</a>	N	Delrin	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Female	<a href="#">View</a>

## F



**RF4-01-T-00-75**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF4-01-T-00-75</a>	F	Teflon	75 ohms	PCB Mount		Female	<a href="#">View</a>
<a href="#">RF4-02-D-AS-75</a>	F	Teflon	75 ohms	Adapter or Splitter		Male	<a href="#">View</a>

## SMB



**RF3-04-T-00-50-G**



**RF3-06-T-00-50-G**

PART NUMBER	TYPE	INSULATOR MATERIAL	IMPEDENCE	CABLE TYPE OR APPLICATION	OPTIONS	GENDER	PRODUCT DATA
<a href="#">RF3-01-T-01-50-G</a>	SMB	Teflon	50 ohms	55U / 58 / 58A / 58C / 140U / 141 / 141A / 142U / 223U / 303		Male	<a href="#">View</a>
<a href="#">RF3-02-T-08-50-G</a>	SMB		50 ohms				<a href="#">View</a>
<a href="#">RF3-03-T-03-75-G</a>	SMB	Teflon	75 ohms	179U/187U		Male	<a href="#">View</a>
<a href="#">RF3-04-T-00-50-G</a>	SMB	Teflon	50 ohms	PCB Mount		Male	<a href="#">View</a>
<a href="#">RF3-04A-T-00-50-G</a>	SMB			PCB Mount			<a href="#">View</a>
<a href="#">RF3-05-T-00-50-G</a>	SMB	Teflon	50 ohms	PCB Mount		Male	<a href="#">View</a>
<a href="#">RF3-06-T-00-50-G</a>	SMB	Teflon	50 ohms	PCB Mount		Female	<a href="#">View</a>
<a href="#">RF3-15-T-00-50-G</a>	SMB		50 ohms			Female	<a href="#">View</a>
<a href="#">RF3-45-T-00-50-G-HDW</a>	SMB	Teflon	50 ohms				<a href="#">View</a>
<a href="#">RF3-46-T-00-50-G</a>	SMB			PCB Mount			<a href="#">View</a>
<a href="#">RF3-47-T-17-50-G</a>	SMB		50 ohms	PCB Mount			<a href="#">View</a>
<a href="#">RF55-34X-T-02-50-G-SH</a>	SMB		50 ohms				<a href="#">View</a>

# Board to Board & High Speed Board to Board

0.3mm, 0.4mm, 0.5mm, 0.635mm, 0.8mm & 1.00mm MALE & FEMALE SET

Adam Tech manufactures a wide range of application specific board stacking connectors which were designed and built to specific customer requirements. Our experienced staff has developed custom products in a variety of contact styles, pitches and stacking heights. Our designs range from new concepts to duplicating existing market products identically or with improvements. Many designs are produced using automated manufacturing processes to increase reliability and provide significant cost savings.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Designed for Multiple board stacking heights
- Common pin counts can be tooled
- Hi-Temp material designs
- High reliability precision formed contact designs

### PACKAGING:

- Anti-ESD plastic trays or tubes
- Tape and Reel with pick & place pa

### SPECIFICATIONS:

#### Material:

- Insulator: LCP or Nylon 6T
- Contacts: Phosphor Bronze

#### Contact Plating:

- Tin or Gold flash over copper underplate

#### Electrical:

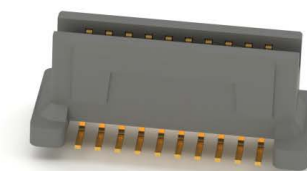
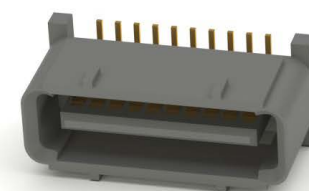
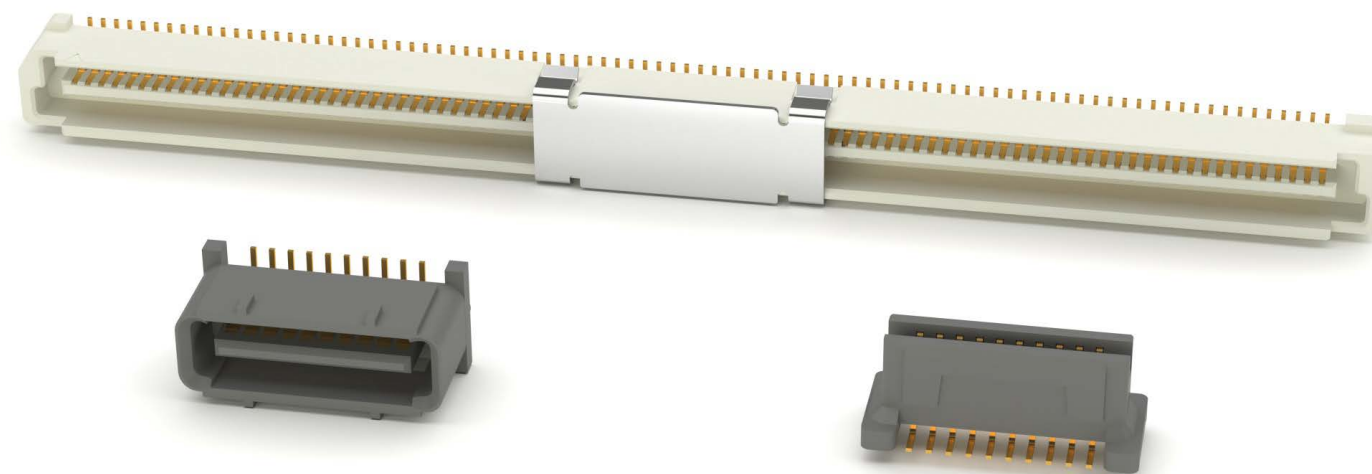
- Operating voltage: 50V AC max.
- Current rating:  
0.5mm: 0.3 Amps max  
0.8mm: 0.5 Amps max.
- Contact resistance: 40 mΩ max. initial
- Insulation resistance: 1000 MΩ min.
- Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

- Mating durability: 250 Cycles min.

#### Temperature Rating:

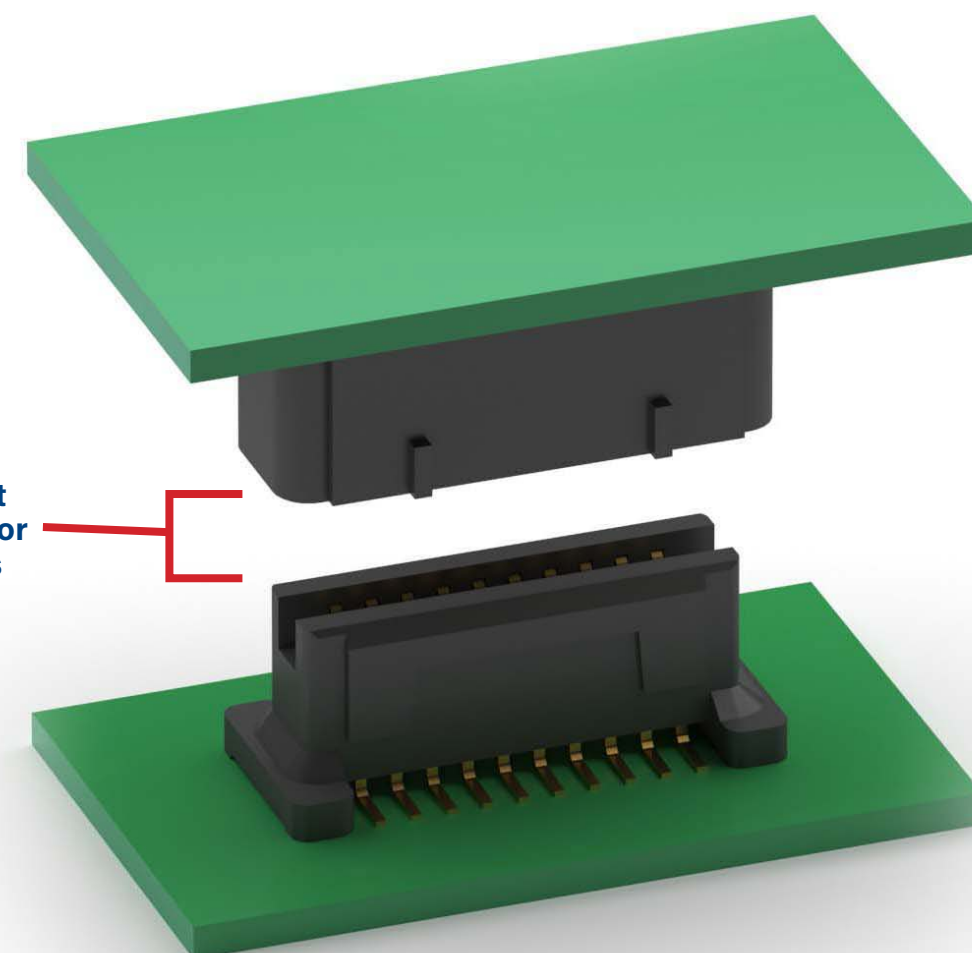
- Operating temperature: -65°C to +155°C



## PART NUMBER CONFIGURATION

BB5	-	PL	-	060	-	G	-	2.74	-	P
PITCH		TYPE + SUPPLIER CODE		POSITIONS		PLATING		HEIGHT		OPTIONS
BB4 = .016 [0.40] BB5 = .020 [0.50] BB8 = .031 [0.80] BB10 = .039 [1.00] BB16 = .063 [1.60] BB35 = .014 [0.35] BB65 = .026 [0.65] BB635 = .025 [0.635]		P = PLUG S = SOCKET  SUPPLIER CODE A = Attend (S00009T) AT = Aocom (S00181C) C = COXOC (S00013T) D = Deya (S00167T) E, EA, EB, EC, ED = Ece (S00128T) N = Neltron (S00056T) M = MMT (S00206T) MO = MORETHANALL (S00140T) W, WA, WB = Wcon (S00019C) O = Oupiin (S00058T) U = Unicorn (S00242T) T = Entery (S00147T) Y = YUXI (S00111C) L = Sin-Light (S00070T) XI = Xinmiao (S00116C) LA = LK = Linkingtac (S00153T) P = Plastron Precision (S00247T) PR = Promosts International (S00288T)		02 thru 100		G = Gold plated T = Tin plated SG = Gold plating in contact area, Tin Plated solder tails		2.74 = 2.74mm		Add designator(s) to end of part number P = Optional peg NP = No peg KT = Mylar PP = Cap T/R = Tape & Reel packaging
HI-SPEED Ground Plane BB5H = .020 [0.50] BB8H = .031 [0.80]										

Broad range of stacking height combinations for all applications



# Board to Board & High Speed Board to Board

0.3mm, 0.4mm, 0.5mm, 0.635mm, 0.8mm & 1.00mm MALE & FEMALE SET

## 0.50mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB5-PN-XXX-G-4.40-NP-PP-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-PN-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-POA-XXX-G-XXX-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-PT-XXX-SG-XX.XX-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-PW-XXX-G-0.80-PP-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-PW-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount	Peg			<a href="#">View</a>
BB5-PXI-XXX-G-X.XX-PP-TR	Male	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-S-XX	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-S-XX-1	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-S3-XX-G	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SD-XX-G	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SD-XX-G-NP	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SE-XX-G-125-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SL-XXX-G-NP-X.XX-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SL-XXX-G-X.XX-NP-PP-T/R	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SL-XXX-G-X.XX-PP-T/R	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SL-XXX-G-X.XX-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SM-XXX-G-420-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SM1-XXX-G-595-KT-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SN-XXX-G-2.20-NP-PP-TR	Female	0.50mm	Vertical Surface Mount	No Peg			<a href="#">View</a>
BB5-SN-XXX-G-3.00-NP-PP-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SN-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SOA-XXX-G-XXX-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-ST-XXX-SG-XX.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SW-XXX-G-2.20-PP-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5-SW-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount	Peg			<a href="#">View</a>
BB5-SXI-XXX-G-X.XX-PP-TR	Female	0.50mm	Vertical Surface Mount				<a href="#">View</a>
BB5H-PC-XXX-G-4.27-HF-T/R	Male	0.50mm	Vertical Surface Mount			High Speed	<a href="#">View</a>
BB5H-SC-XXX-G-2.05-HF-T/R	Female	0.50mm	Vertical Surface Mount			High Speed	<a href="#">View</a>

## 0.65mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB65-P-XXX-G	Male	0.65mm	Vertical Surface Mount				<a href="#">View</a>
BB65-S-XXX-G	Female	0.65mm	Vertical Surface Mount				<a href="#">View</a>

## 1.27mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
ESMC-F-XX-SGR-SMT	Female	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-F-XX-SGR-SMT-T/R	Female	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-F-XX-SGS-SMT-X-PP	Female	1.27mm	Vertical Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-F-XX-SGS-SMT-X-PP-T/R	Female	1.27mm	Vertical Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-M-XX-SGR-SMT	Male	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-M-XX-SGR-SMT-T/R	Male	1.27mm	Right Angle Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-M-XX-SGS-SMT-X-PP	Male	1.27mm	Vertical Surface Mount		Stacking & Coplanar		<a href="#">View</a>
ESMC-M-XX-SGS-SMT-X-PP-T/R	Male	1.27mm	Vertical Surface Mount		Stacking & Coplanar		<a href="#">View</a>

# Board to Board & High Speed Board to Board

0.3mm, 0.4mm, 0.5mm, 0.635mm, 0.8mm & 1.00mm MALE & FEMALE SET

## 0.80mm Centerline

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB8-P-XX-G	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-P-XX-G-126-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-P-XXX-G	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PA-XXX-G-13.05-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PD-XXX-G-355-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PEA-XX-G-XXX-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PEB-XX-G-360-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PEB-XX-G-480-TR	Male	0.80mm	Vertical Surface Mount	Peg			<a href="#">View</a>
BB8-PEB-XX-T-480-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PEC-12-G-585-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PEC-XX-G-585-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PED-XX-G-3.75-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PED-XX-G-7.75-10-KT-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PED-XX-G-7.75-15-KT-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PED-XX-G-7.75-KT-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PED-XX-G-7.75-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PL-XXX-G-3.55-HF-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PL-XXX-G-3.55-PP-HF-T/R	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-355-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-405	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-405-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-X.XX-NP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PN-XXX-G-X.XX-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-P0-XXX-G-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-P0-XXX-SG-X.XX-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PP-XX-G-2.40-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PP-XX-T-2.40-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PW-XXX-G-X.XX-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-PWA-XX-G-3.55-PP-TR	Male	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S1-XX-G	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S5-XX-G-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S6-XX-SG	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S6-XXX-SG	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SA-XXX-G-12.35-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SD-XXX-G-350-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SE-XXX-G-655	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SEA-XX-G-XXX-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SEB-XX-G-330-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SEB-XX-T-330-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SEC-12-G-400-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>

PART NUMBER	GENDER	CENTERLINE	MOUNTING ORIENTATION	OPTIONS	STACKING & COPLANAR	HIGH SPEED	PRODUCT DATA
BB8-SEC-XX-G-400-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SED-XX-G-4.40-10-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SED-XX-G-4.40-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SED-XX-G-X.XX-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SED-XX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SED-XX-G-XXX-15-KT-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SL-XXX-G-X.XX-HF-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SL-XXX-G-X.XX-PP-HF-T/R	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-365-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-4.70-RA	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-4.70-RA-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-565	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-565-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-X.XX-NP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SN-XXX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S0-XXX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-S0-XXX-SG-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SP-XX-G-2.40-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SW-XXX-G-X.XX-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SWA-XX-G-X.XX-PP-TR	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8-SX-XXX-G	Female	0.80mm	Vertical Surface Mount				<a href="#">View</a>
BB8H-PC-XXX-G-4.27-HF-T/R	Male	0.80mm	Vertical Surface Mount			High Speed	<a href="#">View</a>
BB8H-SC-XXX-G-2.05-HF-T/R	Female	0.80mm	Vertical Surface Mount			High Speed	<a href="#">View</a>



Adam Tech SMT PLCC Series Sockets are low profile, thin wall sockets designed to convert plastic leaded chips to a thru-hole PCB format on a .100" centerline grid. They conform to JEDEC MS 106 and MS 018 pin count standards. Adam Tech's superior precision stamped contact design provides consistent, high retention contacts for all size chips. Chip exchanges or replacements are easily made with Adam Tech's chip remover part number PLCC-EXT.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Full range of sizes from 20P ~ 100P
- Consistent, uniform high retention contacts
- Compatible with wide range of chip sizes
- No solder wicking design
- Hi Temp PPS insulator
- Open frame design for viewable solder joints

### MATING PLASTIC LEADED CHIPS:

All EIA / JEDEC compliant PLCC

### PACKAGING:

Anti-ESD plastic tubes

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard Hi-Temp insulator: PPS, Glass reinforced,

rated UL94V-0  
Insulator Color: Brown  
Contacts: Phosphor Bronze

#### Contact Plating:

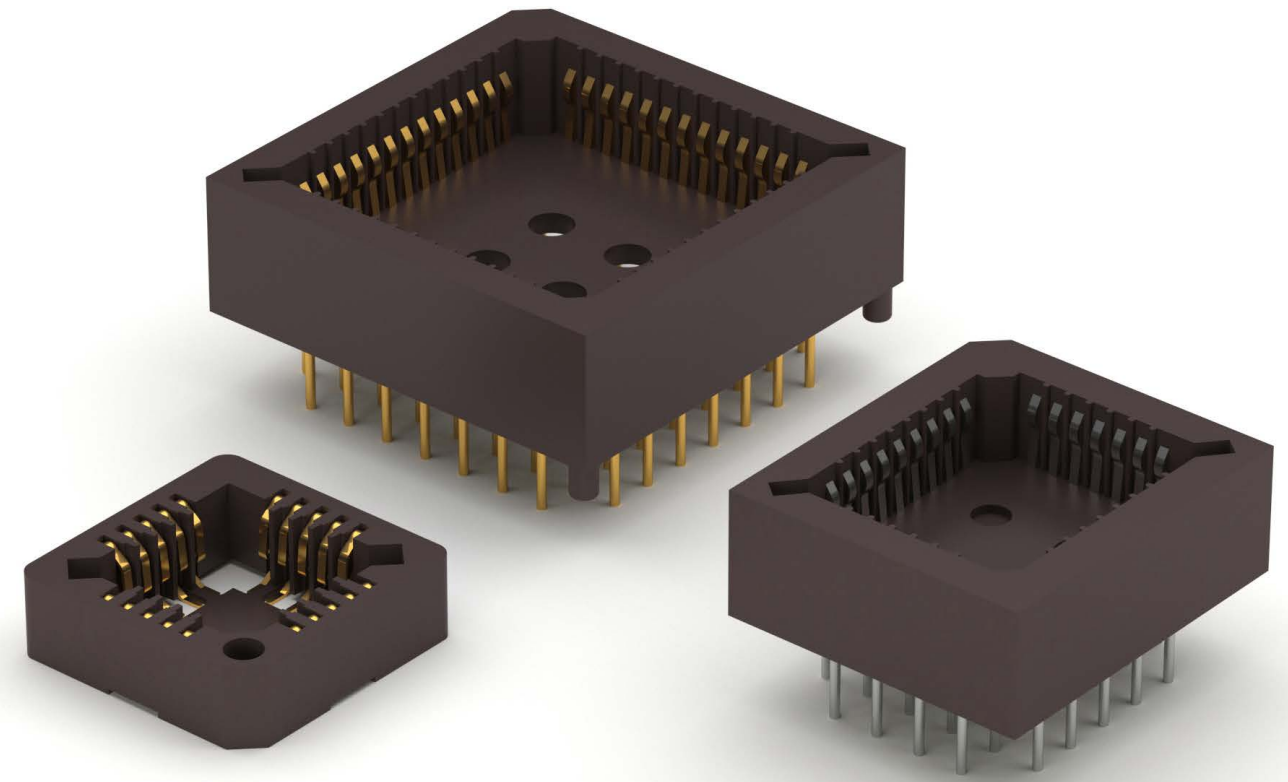
Tin over copper underplate overall

#### Electrical:

Operating voltage: 250V AC max.  
Current rating: 1 Amp max.  
Contact resistance: 30 mΩ max. initial  
Insulation resistance: 1000 MΩ min.  
Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 6.35 oz max.  
Withdrawal force: 1.0 oz min  
Temperature Rating:  
Operating temperature: -55°C to +105°C  
Soldering process temperature: 260°C



## SURFACE MOUNT PART NUMBER CONFIGURATION

**PLCC - 68 - AT - SMT - P**

SERIES	CONTACTS	PLATING	BODY & CONTACT TYPE	OPTIONS:
<b>PLCC</b> = Plastic Leaded Chip Carrier Socket	<b>20, 28, 32, 44, 52, 68, 84</b>	<b>AT</b> = Tin-plated <b>AG</b> = Gold-plated	<b>SMT</b> = Low profile body, surface mount leads	Add designator(s) to end of part number <b>P</b> = With polarizing pegs <b>T/R</b> = Tape and reel packaging

## THRU-HOLE PART NUMBER CONFIGURATION

**PLCC - 68 - AT - HT**

SERIES	CONTACTS	PLATING	OPTIONS:
<b>PLCC</b> = Plastic Leaded Chip Carrier Socket	<b>20, 28, 32, 44, 52, 68, 84, 100</b>	<b>AT</b> = Tin-plated <b>AG</b> = Gold-plated	Add designator(s) to end of part number <b>HT</b> = Hi-Temp Polyphenylene Sulfide (PPS) Insulator Material for hi-temp soldering process up to 260°C

PART NUMBER	CONTACT POSITIONS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">PLCC-100-AG</a>	100	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-100-AG-SMT</a>	100	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-100-AT</a>	100	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-100-AT-SMT</a>	100	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-20-AG</a>	20	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-20-AG-SMT</a>	20	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-20-AT</a>	20	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-20-AT-SMT</a>	20	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-28-AG</a>	28	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-28-AG-SMT</a>	28	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-28-AT</a>	28	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-28-AT-SMT</a>	28	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-32-AG</a>	32	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-32-AG-SMT</a>	32	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-32-AT</a>	32	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-32-AT-SMT</a>	32	Tin	Surface Mount	<a href="#">View</a>

PART NUMBER	CONTACT POSITIONS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">PLCC-44-AG</a>	44	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-44-AG-SMT</a>	44	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-44-AT</a>	44	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-44-AT-SMT</a>	44	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-52-AG</a>	52	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-52-AG-SMT</a>	52	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-52-AT</a>	52	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-52-AT-SMT</a>	52	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-68-AG</a>	68	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-68-AG-SMT</a>	68	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-68-AT</a>	68	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-68-AT-SMT</a>	68	Tin	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-84-AG</a>	84	Gold	Through Hole	<a href="#">View</a>
<a href="#">PLCC-84-AG-SMT</a>	84	Gold	Surface Mount	<a href="#">View</a>
<a href="#">PLCC-84-AT</a>	84	Tin	Through Hole	<a href="#">View</a>
<a href="#">PLCC-84-AT-SMT</a>	84	Tin	Surface Mount	<a href="#">View</a>

Adam Tech Terminal Blocks are a full range of wiring blocks, which are commonly used to terminate wire and eliminate splicing. They are offered in five different centerlines with open or closed back option. Each is available for bulkhead or PCB mounting with choice of Straight or Right Angle PCB Terminals, Cliptite and/or Turret Terminals. Our TB series is manufactured from flexible thermoplastic and resists cracking and breaking. Our TD series is manufactured from Hi-Temp Phenolic and as current carrying capability up to 30 Amps.

## FEATURES & SPECIFICATIONS

### FEATURES:

Wide range of sizes and profiles  
Choice of open or closed back design  
Choice of multiple terminations  
Flexible Break resistant Thermoplastic.

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,  
File no. E333935

### SPECIFICATIONS:

#### Material:

Insulator:  
TB Series: PBT, rated UL94V-0  
TD Series: Phenolic, glass reinforced,  
rated UL94V-0  
Insulator Color: Black  
Contacts: Brass, tin plated  
Screws: Steel, nickel plated  
Hardware: Brass, tin plated

#### Electrical:

Operation voltage: 300V AC max.  
Current rating:

TBA / TBB / TDA series: 10 Amps max.  
TBC / TBD / TBE / TBF / TBG / TBH series: 15 Amps max.  
TDB series: 20 Amps max  
TDC series: 30 Amps max  
TDD series: 35 Amps max  
TDG series: 6 Amps max  
TDH series: 15 Amps max  
TDJ series: 50 Amps max  
Contact resistance: 20MΩ max  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 2000V AC for 1 minute

#### Mechanical:

Wire Range:  
TBA / TBB Series: 22 – 16 Awg  
TBC / TBE Series: 22 – 14 Awg  
TBD Series: 22 – 14 Awg  
TBF / TBG Series: 22 – 14 Awg  
TDA / TDB / TDC Series: 18 - 12 Awg  
TDD/TDH Series: 22 – 10 Awg  
TDG Series: 22 – 12 Awg  
TDJ Series: 16 – 8 Awg

#### Temperature Rating:

Operating temperature: -40°C to +105°C

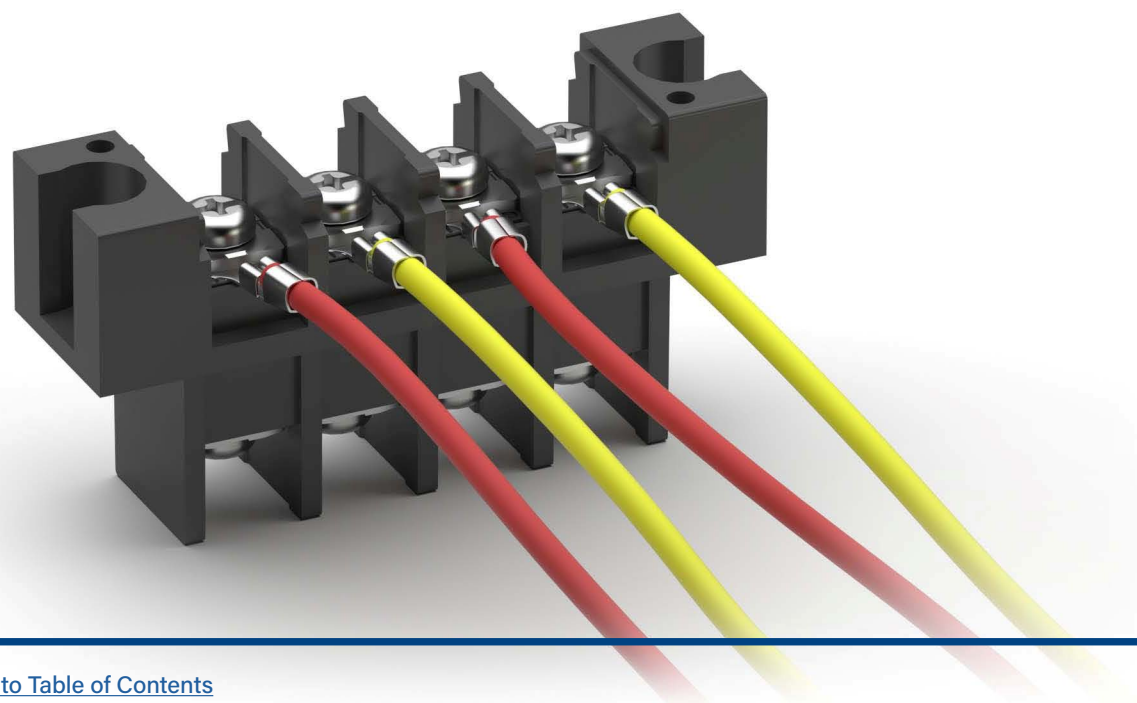


### TB SERIES PART NUMBER CONFIGURATION

TBA	-	02	-	01	-	B
SERIES		NO. OF POSITIONS		TERMINAL TYPE		MOUNTING ORIENTATION
<b>TBA</b> = .250" Centerline Barrier Block <b>TBB</b> = .250" Closed Side Barrier Block <b>TBC</b> = .325" Centerline Barrier Block (Offset Tails) <b>TBD</b> = .325" Centerline Barrier Block (Centered Tails) <b>TBE</b> = .325" Closed Side Barrier Block <b>TBF</b> = .374" Centerline Barrier Block <b>TBG</b> = .374" Closed Side Barrier Block <b>TBH</b> = .325" Centerline Stacked Block		<b>02 Thru 30</b>		<b>01</b> = Straight PCB Tail <b>02</b> = Closed Side Exit PCB Tail <b>03</b> = Right Angle PCB Tail <b>04</b> = Cliptite Terminal <b>05</b> = Turret Terminal <b>06</b> = Wire Wrap Terminal		<b>B</b> = Barrier End <b>M</b> = Mount End

### TD DUAL ROW SERIES PART NUMBER CONFIGURATION

TDA	-	02
SERIES		NO. OF POSITIONS
<b>TDA</b> = .374" Centerline Dual Row Block <b>TDB</b> = .433" Centerline Dual Row Block <b>TDC</b> = .551" Centerline Dual Row Block <b>TDD</b> = .471" Centerline Dual Row Block <b>TDG</b> = .315" Centerline Dual Row Block <b>TDH</b> = .393" Centerline Dual Row Block <b>TDJ</b> = .571" Centerline Dual Row Block		<b>02 Thru 56</b>





PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
<a href="#">TBG-06-06-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-01-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-01-B-HC</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-01-B-OC-NC</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-01-M</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-02-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Closed Side Exit PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-03-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Right Angle PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-05-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBG-XX-06-0T-M</a>	Terminal Block	.374" [9.5mm]	Single Row	Wire Wrap Terminals	Tri Barrier	Mount End	15A	300V	<a href="#">View</a>
<a href="#">TBGA-XX-01-B-HC</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBGB-XX-01-M-MP</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Mount End	15A	250V	<a href="#">View</a>
<a href="#">TBGC-XX-01-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	25A	300V	<a href="#">View</a>
<a href="#">TBGD-XX-01-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBH-16-01-B-375</a>	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBH-24-01-B</a>	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBH-XX-01-B</a>	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBH-XX-01-B-375</a>	Terminal Block	.325" [8.25mm]	Dual Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBI-08-381-CM1</a>	Terminal Block	IDC	Single Row	Straight PCB Tail	-	Barrier End	15A	250V	<a href="#">View</a>
<a href="#">TBK-08-01-B</a>	Terminal Block	.394" [10.0mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	25A	600V	<a href="#">View</a>
<a href="#">TBM-09-01-B-01</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBM-XX-01-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBN-08-03-M</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBN-09-01-B-BS</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-01-B</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-01-B-CC</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-01-M</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-01-M-WB</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-01D-B</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-03-B</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-03-B-CC</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-04-M</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-04-M-WB</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBN-XX-05-M</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBNA-XX-01-B</a>	Terminal Block	.433" [11.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-01-B</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-01-B-01</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-01-B-02</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-01-B-MOD</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-01-B-MOD-C1</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBP-XX-05-B-DT</a>	Terminal Block	.300" [7.62mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	30A	300V	<a href="#">View</a>
<a href="#">TBR-XX-00-M-SPH</a>	Terminal Block	.325" [8.25mm]	Single Row	No	Dual Barrier	Mount End	30A	600V	<a href="#">View</a>
<a href="#">TBR-XX-01-B-V</a>	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>

PART NUMBER	TYPE	PITCH	ROWS	TERMINALS	BARRIER	MOUNTING	CURRENT RATING	VOLTAGE RATING	PRODUCT DATA
<a href="#">TBR-XX-01-B-V-CC</a>	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBR-XX-03-B-COV</a>	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBRA-XX-01-B</a>	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBRA-XX-01-B-RA</a>	Terminal Block	.325" [8.25mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	20A	300V	<a href="#">View</a>
<a href="#">TBS-XX-01-B</a>	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBS-XX-01-B-ZINC</a>	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBS-XX-01-B-ZINC-HW</a>	Terminal Block	.300" [7.62mm]	Dual Row	Straight PCB Tail	Tri Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBT-XX-01-M-CC</a>	Terminal Block	.630" [16.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Mount End	65A	600V	<a href="#">View</a>
<a href="#">TBU-XX</a>	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	75A	600V	<a href="#">View</a>
<a href="#">TBU-XX-A</a>	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	<a href="#">View</a>
<a href="#">TBU-XX-W1</a>	Terminal Block	.433" [11.0mm]	Dual Row	No	Dual Barrier	Mount End	30A	300V	<a href="#">View</a>
<a href="#">TBU-XX-W2</a>	Terminal Block	.512" [13.0mm]	Dual Row	No	Dual Barrier	Mount End	50A	600V	<a href="#">View</a>
<a href="#">TBU-XX-W3-CC</a>	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	<a href="#">View</a>
<a href="#">TBU-XX-W3-CCS</a>	Terminal Block	.630" [16.0mm]	Dual Row	No	Dual Barrier	Mount End	65A	600V	<a href="#">View</a>
<a href="#">TBU-XX-W4-CCS</a>	Terminal Block	.826" [21.0mm]	Dual Row	No	Dual Barrier	Mount End	115A	600V	<a href="#">View</a>
<a href="#">TBW-XX-02-B</a>	Terminal Block	.512" [13.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	40A	600V	<a href="#">View</a>
<a href="#">TBW-XX-02-B-COV</a>	Terminal Block	.512" [13.0mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	40A	600V	<a href="#">View</a>
<a href="#">TBY-XX-01-B</a>	Terminal Block	.374" [9.5mm]	Single Row	Straight PCB Tail	Dual Barrier	Barrier End	15A	300V	<a href="#">View</a>
<a href="#">TBZ-XX-01-B</a>	Terminal Block	.500" [12.7mm]	Single Row	Straight PCB Tail	Tri Barrier	Barrier End	45A	600V	<a href="#">View</a>
<a href="#">TDA-03</a>	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	300V	<a href="#">View</a>
<a href="#">TDA-XX</a>	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	300V	<a href="#">View</a>
<a href="#">TDA-XX-SQ</a>	Terminal Block	.374" [9.5mm]	Dual Row	No	Isolated	Chassis	10A	250V	<a href="#">View</a>
<a href="#">TDB-04</a>	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	<a href="#">View</a>
<a href="#">TDB-XX</a>	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	<a href="#">View</a>
<a href="#">TDB-XX-HB</a>	Terminal Block	.433" [11.0mm]	Dual Row	No	Isolated	Chassis	25A	300V	<a href="#">View</a>
<a href="#">TDC-04</a>	Terminal Block	.551" [14.0mm]	Dual Row	No	Isolated	Chassis	30A	300V	<a href="#">View</a>
<a href="#">TDC-XX</a>	Terminal Block	.472" [12.0mm]	Dual Row	No	Isolated	Chassis	30A	300V	<a href="#">View</a>
<a href="#">TDK-XX-FH</a>	Terminal Block	.394" [10.0mm]	Dual Row	No	Isolated	Chassis	15A	300V	<a href="#">View</a>
<a href="#">TDKA-XX-FH1</a>	Terminal Block	.394" [10.0mm]	Dual Row	No	Isolated	Chassis	15A	300V	<a href="#">View</a>
<a href="#">TDM-XX</a>	Terminal Block	1.114" [28.3mm]	Dual Row	No	Isolated	Chassis	150A	600V	<a href="#">View</a>
<a href="#">TDN-XX-WP</a>	Terminal Block	.531" [13.5mm]	Dual Row	No	Isolated	Chassis	15A	300V	<a href="#">View</a>

Adam Tech Europa Strips are a full range of wiring blocks, which are commonly used to terminate wire and eliminate splicing. They are offered in five different centerlines with open or closed back option. Each is available for bulkhead or PCB mounting with choice of Straight or Right Angle PCB Terminals, Cliptite and/or Turret Terminals. Our TB series is manufactured from flexible thermoplastic and resists cracking and breaking. Our TD series is manufactured from Hi-Temp Phenolic and as current carrying capability up to 30 Amps.

## FEATURES & SPECIFICATIONS

### FEATURES:

Wide range of sizes and profiles  
Choice of open or closed back design  
Choice of multiple terminations  
Flexible Break resistant Thermoplastic.

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,  
File no. E333935

### SPECIFICATIONS:

#### Material:

Insulator:  
TB Series: PBT, rated UL94V-0  
TD Series: Phenolic, glass reinforced, rated UL94V-0  
Insulator Color: Black  
Contacts: Brass, tin plated  
Screws: Steel, nickel plated  
Hardware: Brass, tin plated

#### Electrical:

Operation voltage: 300V AC max.  
Current rating:

TBA / TBB / TDA series: 10 Amps max.  
TBC / TBD / TBE / TBF / TBG / TBH series: 15 Amps max.  
TDB series: 20 Amps max  
TDC series: 30 Amps max  
TDD series: 35 Amps max  
TDG series: 6 Amps max  
TDH series: 15 Amps max  
TDJ series: 50 Amps max  
Contact resistance: 20MΩ max  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 2000V AC for 1 minute

#### Mechanical:

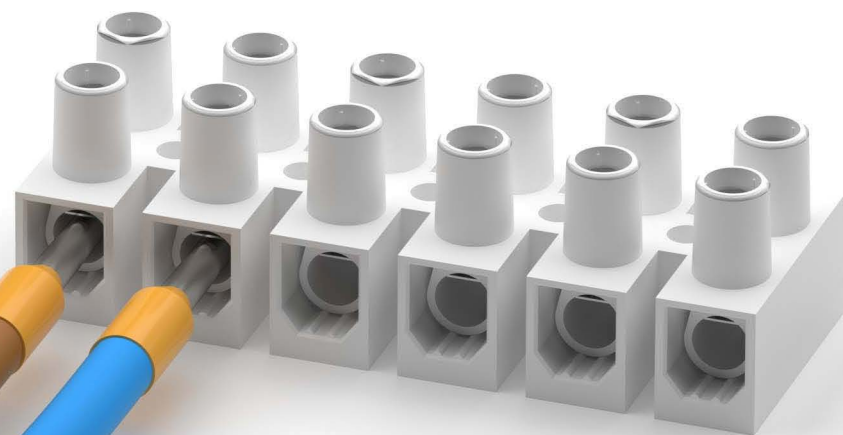
Wire Range:  
TBA / TBB Series: 22 – 16 Awg  
TBC / TBE Series: 22 – 14 Awg  
TBD Series: 22 – 14 Awg  
TBF / TBG Series: 22 – 14 Awg  
TDA / TDB / TDC Series: 18 – 12 Awg  
TDD/TDH Series: 22 – 10 Awg  
TDG Series: 22 – 12 Awg  
TDJ Series: 16 – 8 Awg

#### Temperature Rating:

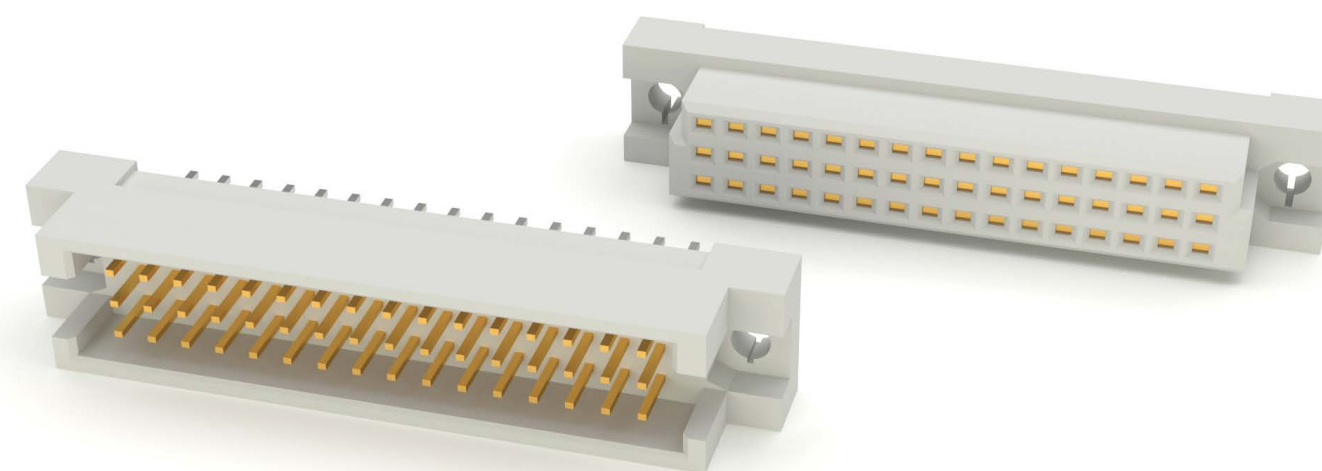
Operating temperature: -40°C to +105°C



PART NUMBER	PITCH	POSITIONS	ROWS	ADDITIONAL FEATURES	PRODUCT DATA
<a href="#">TDD-XX</a>	12.0mm	02-24	Dual Row		<a href="#">View</a>
<a href="#">TDD-XX-A</a>	12.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDD-XX-V2</a>	12.0mm	02-24	Dual Row		<a href="#">View</a>
<a href="#">TDD-XX-WP-A</a>	12.0mm	04-24	Dual Row	Wire Protector	<a href="#">View</a>
<a href="#">TDD-XX-WP-V2</a>	12.0mm	02-24	Dual Row	Wire Protector	<a href="#">View</a>
<a href="#">TDDA-XX-WP-V2</a>	12.0mm	02-24	Dual Row	Wire Protector	<a href="#">View</a>
<a href="#">TDG-XX</a>	8.0mm	02-24	Dual Row		<a href="#">View</a>
<a href="#">TDG-XX-01</a>	8.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDG-XX-01-V0</a>	8.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDGA-XX</a>	8.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDH-XX</a>	10.0mm	04-24	Dual Row	Brass Screws	<a href="#">View</a>
<a href="#">TDH-XX-A</a>	10.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDH-XX-A-V2</a>	10.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDH-XX-A1-V2</a>	10.0mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDH-XX-SS</a>	10.0mm	04-24	Dual Row	Steel Screws	<a href="#">View</a>
<a href="#">TDH-XX-V2</a>	10.0mm	04-24	Dual Row	Brass Screws	<a href="#">View</a>
<a href="#">TDH-XX-WP</a>	10.0mm	04-24	Dual Row	Wire Protector	<a href="#">View</a>
<a href="#">TDH-XX-WP-SS</a>	10.0mm	04-24	Dual Row	Wire Protector & Steel Screws	<a href="#">View</a>
<a href="#">TDHA-XX-V2</a>	10.0mm	04-24	Dual Row	Brass Screws	<a href="#">View</a>
<a href="#">TDHA-XX-WP-V2</a>	10.0mm	04-24	Dual Row	Wire Protector & Brass Screws	<a href="#">View</a>
<a href="#">TDJ-XX</a>	14.50mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDJ-XX-01</a>	14.50mm	04-24	Dual Row		<a href="#">View</a>
<a href="#">TDJ-XX-01-M-CC</a>	14.50mm	02-12	Single Row		<a href="#">View</a>
<a href="#">TDJA-XX-V2</a>	14.50mm	02-24	Dual Row		<a href="#">View</a>
<a href="#">TDJA-XX-WP-V2</a>	14.50mm	02-24	Dual Row	Wire Protector	<a href="#">View</a>



Adam Tech DIN 41612 Connectors are a versatile two piece PCB connector set with features useful for many applications including connections for plug-in card and back-panel wiring, PCB to PCB attachment and peripheral connections for external interfaces. Features include a multitude of body sizes and styles with options that include selective contact loading, make and break contacts, contact lead length choices and contact plating variations each in .100" [2.54mm] or .200" [5.08mm] centerline spacing.



## FEATURES & SPECIFICATIONS

### FEATURES:

- Industry Standard Compatible
- Multiple Body Sizes
- Contact Plating Options
- Make and Break contacts
- .100" or .200" Centerlines

### MATING OPTIONS:

Adam Tech DNR series and All industry standard DIN 41612 Connectors.

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, glass filled, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Beige

#### Contacts:

Brass or Phosphor Bronze

#### Plating:

Gold over nickel underplate on contact area  
 Tin over copper underplate on tails

#### Electrical:

Operating voltage: 500V AC max.  
 Current rating: 2 Amps max  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 20 lbs / contact max.  
 Withdrawal force: 0.033 lbs / contact min  
 Mating durability: Class I: 500 cycles  
 Class II: 250 cycles  
 Class III: 100 cycles

#### Temperature Rating:

Operating temperature: -55°C to +125°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

PART NUMBER	GENDER	CONTACT POSITIONS	MOUNTING ORIENTATION	BODY TYPE	CENTERLINE	TERMINALS	OPTIONS	PRODUCT DATA
<a href="#">DIN-240FR-L44-A1</a>	Female	4 Rows: 100, 128, 160, 200, 240	Right Angle PCB Mount	Long Body (4 Rows): A, B, C, & D Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-240MS-L44-A1</a>	Male	4 Rows: 100, 128, 160, 200, 240	Straight PCB Mount	Long Body (4 Rows): A, B, C, & D Loaded	.100"	.157" Solder Tail	High Temp Insulator	<a href="#">View</a>
<a href="#">DIN-48FR-S33-A1C1</a>	Female	3 Rows: 16, 32, 48	Right Angle PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-48FS-S33-A1C1</a>	Male	3 Rows: 16, 32, 48	Straight PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-48MR-S33-A1C1</a>	Male	3 Rows: 16, 32, 48	Right Angle PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-48MS-S33-A1C1</a>	Male	3 Rows: 16, 32, 48	Straight PCB Mount	Short Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-64FR-L22-A1C1</a>	Female	2 Rows: 32, 64	Right Angle PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-64FS-L22-A1C1</a>	Female	2 Rows: 32, 64	Straight PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-64MR-L22-A1C1</a>	Male	2 Rows: 32, 64	Right Angle PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-64MS-L22-A1C1</a>	Male	2 Rows: 32, 64	Straight PCB Mount	Long Body (2 Rows): A & B Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-96FR-L33-A1C1</a>	Female	3 Rows: 32, 64, 96	Right Angle PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-96FS-L33-A1C1</a>	Female	3 Rows: 32, 64, 96	Straight PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-96MR-L33-A1C1</a>	Male	3 Rows: 32, 64, 96	Right Angle PCB Mount	Long Body (3 Rows): A & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>
<a href="#">DIN-96MS-L33-A1C1</a>	Male	3 Rows: 32, 64, 96	Straight PCB Mount	Long Body (3 Rows): A, B, & C Loaded	.100"	.157" Solder Tail		<a href="#">View</a>

PART NUMBER CONFIGURATION											
DIN -	96	M	R	-	L33	-	A	1	C1	-	PF
SERIES	NO. OF CONTACTS	GENDER	MOUNTING ANGLE		BODY TYPE	PITCH	SOLDER TAIL LENGTH	PERFORMANCE CLASS	OPTIONS		
DIN = DIN 41612 Connector	Short body 2 rows: <b>16, 32</b> Short body 3 rows: <b>16, 32, 48</b> Long body 2 rows: <b>32, 64</b> Long body 3 rows: <b>32, 64, 96</b> Long body 4 rows: <b>100, 128, 160, 200,</b>	<b>M</b> = Male, Pin Contacts <b>F</b> = Female, Socket Contacts	<b>S</b> = Straight, PCB mount <b>R</b> = Right Angle, PCB mount		<b>S22</b> = Short body, 2 rows A & B Loaded <b>S32</b> = Short body, 3 rows A & C Loaded <b>S33</b> = Short body, 3 rows A, B & C Loaded <b>L22</b> = Long body, 2 rows A & B Loaded <b>L32</b> = Long body, 3 rows A & C Loaded <b>L33</b> = Long body, 3 rows A, B & C Loaded <b>L44</b> = Long body, 4 rows A, B, C & D Loaded	<b>A</b> = .100" [2.54 mm] <b>B</b> = .200" [5.08 mm]	<b>1</b> = Standard solder tail length .157" <b>2</b> = Wire wrap .511" Solder tail (straight female only) <b>.XXX</b> = Customized Solder tail length <b>00</b> = No contact Loaded	<b>C1</b> = Class 1 <b>C2</b> = Class 2. <b>C3</b> = Class 3	Add designator(s) to end of part number <b>PF</b> = Press Fit Tails <b>HT</b> = Hi-Temp insulator 260°C max. <b>BL</b> = Metal board locks in mounting holes		

# D-Sub Connectors

RIGHT ANGLE .318" [8.08] MOUNT

Adam Tech right angle PCB mount .318" footprint D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a low cost industry standard connection. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T  
 Insulator color: Black

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

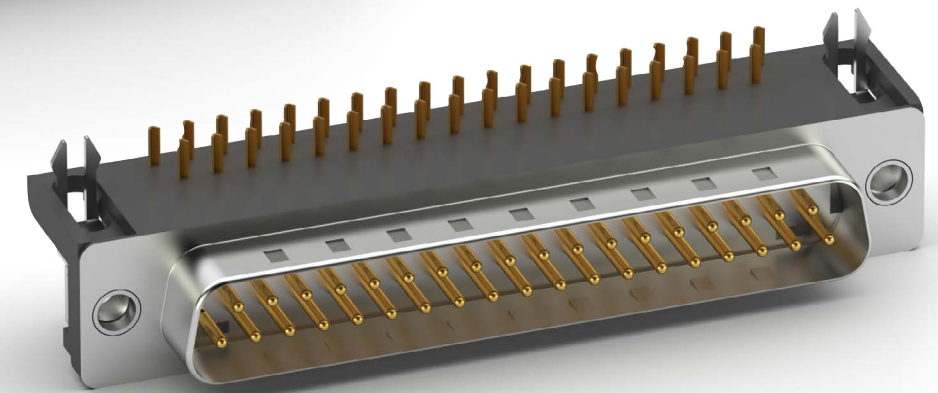
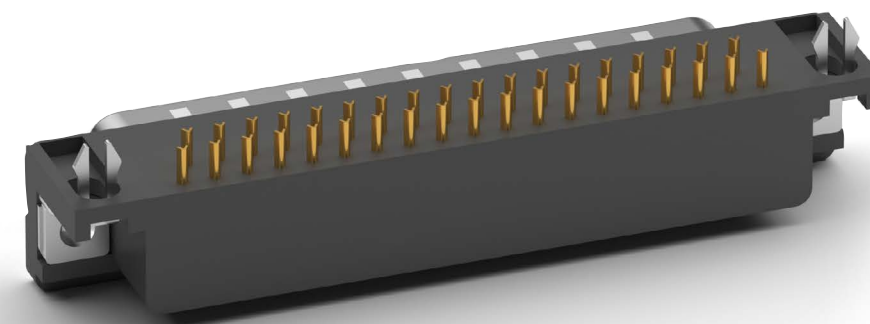
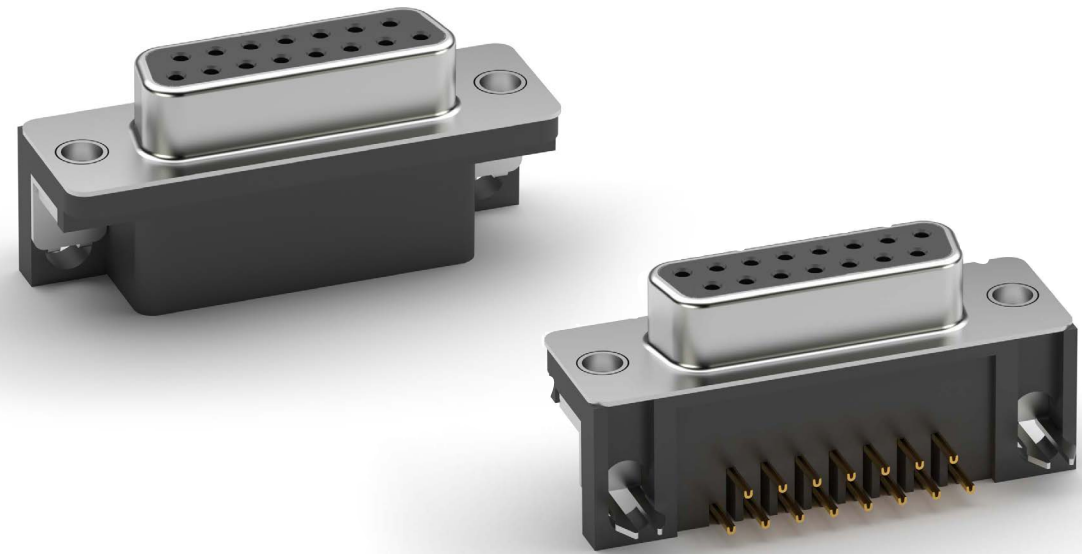
Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min  
 Temperature Rating:  
 Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



## PART NUMBER CONFIGURATION

DE09	-	PL	-	2	-	4	-	LPJ
SHELL SIZE/ POSITIONS		CONTACT TYPE		PCB MOUNTING OPTIONS		MATING FACE/MOUNTING OPTIONS		OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position		<b>PL</b> = Plug, .318" Footprint <b>SL</b> = Socket, .318" Footprint		<b>1</b> = Wrap around ground straps with thru holes <b>2</b> = Forked board locks <b>3</b> = Top side only ground straps with thru holes <b>4</b> = Top side only ground straps with #4-40 threaded screw holes		<b>3</b> = #4-40 fixed jackscrews <b>4</b> = #4-40 flush threaded inserts <b>5</b> = #4-40 flush threaded inserts with removable jackscrews installed <b>6</b> = .120" non-threaded mounting holes		Add designator(s) to end of part number <b>EMI</b> = Ferrite filtered version for EMI/RFI suppression <b>LPJ</b> = Loose packed jackscrews <b>F</b> = Superior retention 4 prong boardlocks <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>R</b> = Round jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DE09-PL-24-BP</a>	Right Angle .318	9	Plug	Forked Board Locks	<a href="#">View</a>
<a href="#">DXXX-PL-24</a>	Right Angle .318	Multiple Options	Plug	Forked Board Locks	<a href="#">View</a>
<a href="#">DXXX-PL-25</a>	Right Angle .318	Multiple Options	Plug	Forked Board Locks	<a href="#">View</a>
<a href="#">DXXX-SL-24</a>	Right Angle .318	Multiple Options	Socket	Forked Board Locks	<a href="#">View</a>
<a href="#">DXXX-SL-25</a>	Right Angle .318	Multiple Options	Socket	Forked Board Locks	<a href="#">View</a>

### RIGHT ANGLE .318" [8.08] MOUNTING OPTIONS

#### MATING FACE & PCB MOUNTING OPTIONS

<p><b>OPTION 13</b></p>	<p><b>OPTION 14</b></p>	<p><b>OPTION 15</b></p>
<p><b>OPTION 16</b></p>	<p><b>OPTION 23</b></p> <p><i>* Standard Stocked Item</i></p>	<p><b>OPTION 23-R</b> #4-40 Rivited Round Jackscrew (Shown) <b>OPTION 27</b> #4-40 Rivited Hex Jackscrew (Not Shown)</p>
<p><b>OPTION 24</b></p> <p><i>* Standard Stocked Item</i></p>	<p><b>OPTION 24-F</b></p>	<p><b>OPTION 25</b></p> <p><i>* Standard Stocked Item</i></p>
<p><b>OPTION 26</b></p>	<p><b>OPTION 33</b></p>	<p><b>OPTION 34</b></p>
<p><b>OPTION 35</b></p>	<p><b>OPTION 36</b></p>	<p><b>OPTION 43</b></p>
<p><b>OPTION 44</b></p>	<p><b>OPTION 45</b></p>	<p><b>OPTION 46</b></p>



Adam Tech right angle PCB mount .590" footprint D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are an excellent choice for a low cost industry standard connection. They are available with full or half size PCB side mounting flanges. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Half or Full flange options
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T  
 Insulator Color: Black

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

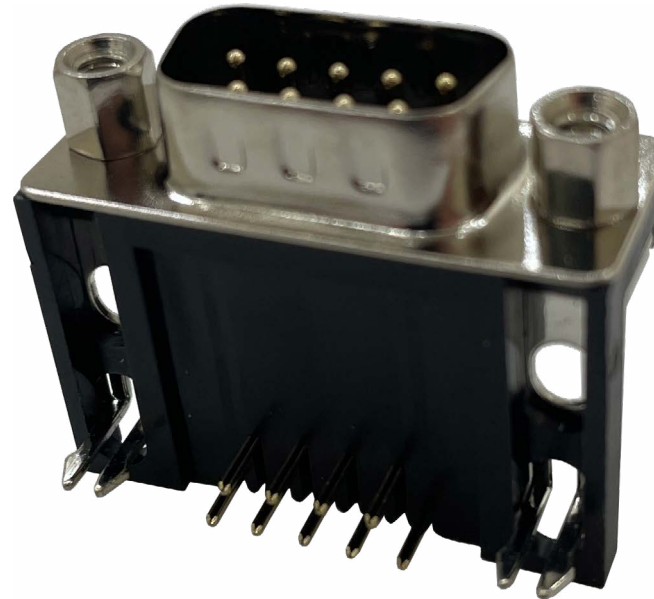
Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. Initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

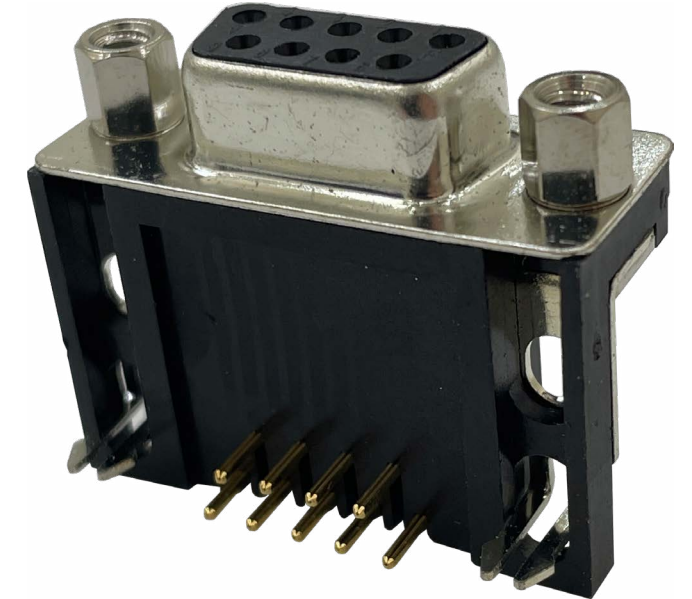
Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



DE09-PQ-R5



DE09-SQ-R5

### PART NUMBER CONFIGURATION

DE09	- PQ	- SB	4	- LPJ
SHELL SIZE/ POSITIONS	CONTACT TYPE	PCB MOUNTING OPTIONS	MATING FACE/MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position	<b>PQ</b> = Plug, .590" Footprint <b>SQ</b> = Socket, .590" Footprint	<b>SA</b> = Wrap around ground straps with thru holes on half flange <b>SB</b> = Wrap around ground straps with thru holes on full flange <b>SC</b> = Top side only ground straps with thru holes on half flange <b>SD</b> = Top side only ground straps with thru holes on full flange <b>F</b> = Forked boardlocks on half flange <b>R</b> = Forked boardlocks on full flange	<b>3</b> = #4-40 fixed jackscrews <b>4</b> = #4-40 flush threaded inserts <b>5</b> = #4-40 flush threaded inserts with removable jackscrews installed <b>6</b> = .120" non-threaded mounting holes	Add designator(s) to end of part number <b>EMI</b> = Ferrite filtered version for EMI/RFI suppression <b>LPJ</b> = Loose packed jackscrews <b>F</b> = Superior retention 4 prong boardlocks <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>R</b> = Round jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PQ-SB4</a>	Right Angle .590	Multiple Options	Plug	Wrap-Around Ground Straps with Through Holes on Full Flange	<a href="#">View</a>
<a href="#">DXXX-SQ-F4</a>	Right Angle .590	Multiple Options	Socket	Forked Boardlocks on Half Flange	<a href="#">View</a>
<a href="#">DXXX-SQ-R5</a>	Right Angle .590	Multiple Options	Socket	Forked Boardlocks on Full Flange	<a href="#">View</a>

### RIGHT ANGLE .590" [15.00] MOUNTING OPTIONS

#### MATING FACE & PCB MOUNTING OPTIONS

<p><b>OPTION SA3</b></p> <p>#4-40 Fixed Jackscrew Wrap Around Ground Strap on Half Flange ø.126 Thru Hole</p>	<p><b>OPTION SA4</b></p> <p>#4-40 Threaded Insert Wrap Around Ground Strap on Half Flange ø.126 Thru Hole</p>	<p><b>OPTION SA5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Wrap Around Ground Strap on Half Flange ø.126 Thru Hole</p>
<p><b>OPTION SA6</b></p> <p>#4-40 Fixed Jackscrew Wrap Around Ground Strap on Half Flange ø.126 Thru Hole ø.120 Thru Hole</p>	<p><b>OPTION SB3</b></p> <p>#4-40 Fixed Jackscrew Wrap Around Ground Strap on Full Flange ø.126 Thru Hole</p>	<p><b>OPTION SB4</b></p> <p>#4-40 Threaded Insert Wrap Around Ground Strap on Full Flange ø.126 Thru Hole</p>
<p><b>OPTION SB5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Wrap Around Ground Strap on Full Flange ø.126 Thru Hole</p>	<p><b>OPTION SB6</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap, Half Flange ø.126 Thru Hole ø.120 Thru Hole</p>	<p><b>OPTION SC3</b></p> <p>#4-40 Fixed Jackscrew Top Side Ground Strap, Half Flange ø.126 Thru Hole</p>
<p><b>OPTION SC4</b></p> <p>#4-40 Threaded Insert Top Side Ground Strap, Half Flange ø.126 Thru Hole</p>	<p><b>OPTION SC5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap, Half Flange ø.126 Thru Hole</p>	<p><b>OPTION SC6</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap, Full Flange ø.126 Thru Hole ø.120 Thru Hole</p>
<p><b>OPTION SD3</b></p> <p>#4-40 Fixed Jackscrew Top Side Ground Strap, Full Flange ø.126 Thru Hole ø.120 Thru Hole</p>	<p><b>OPTION SD4</b></p> <p>#4-40 Threaded Insert Top Side Ground Strap, Full Flange ø.126 Thru Hole</p>	<p><b>OPTION SD5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap, Full Flange ø.126 Thru Hole</p>
<p><b>OPTION SD6</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Top Side Ground Strap, Full Flange ø.126 Thru Hole ø.120 Thru Hole</p>	<p><b>OPTION F3</b></p> <p>#4-40 Fixed Jackscrew Forked Board Lock Half Flange</p>	<p><b>OPTION F4</b></p> <p>#4-40 Threaded Insert Forked Board Lock Half Flange</p>
<p><b>OPTION F5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Forked Board Lock Half Flange</p>	<p><b>OPTION F6</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Forked Board Lock Half Flange ø.120 Thru Hole</p>	<p><b>OPTION R3</b></p> <p>#4-40 Fixed Jackscrew Forked Board Lock Full Flange</p>
<p><b>OPTION R4</b></p> <p>#4-40 Threaded Insert Forked Board Lock Full Flange</p>	<p><b>OPTION R5</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Forked Board Lock Full Flange</p>	<p><b>OPTION R6</b></p> <p>#4-40 Threaded Insert with Removable Jackscrew Forked Board Lock Full Flange ø.120 Thru Hole</p>

# D-Sub Connectors

RIGHT ANGLE WITH MACHINED CONTACTS

Adam Tech Right Angle .283" footprint D-Sub connectors with Screw Machine Contacts are a popular interface for many I/O applications. Offered in 9, 15, 25 and 37 positions they are a good choice for a high reliability industry standard connection. These connectors are manufactured with precision machine turned contacts and offer an exceptional high reliability connection. They are available in a choice of contact plating and a wide selection of mating and mounting options.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Exceptional Machine Contact connection
- Industry standard compatibility
- Durable metal shell design
- Precision turned screw machined contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T rated UL94V-0  
 Insulator Colors: White (Black optional)

Contacts: Phosphor Bronze  
 Shell: Steel, Tin plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

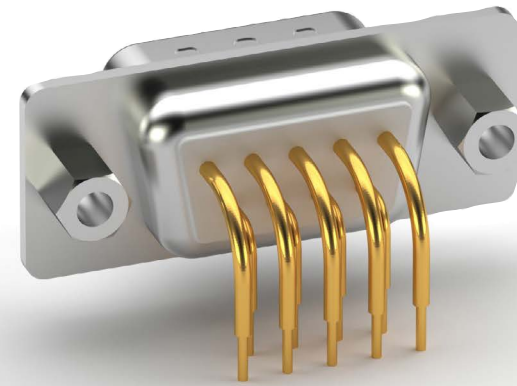
Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

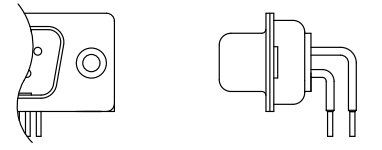
Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

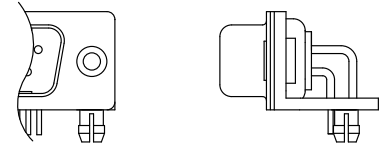
Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



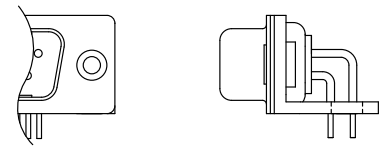
### PCB MOUNTING OPTIONS



Option 1: Without Bracket

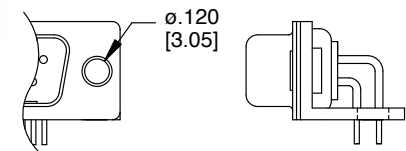


Option 2: Bracket with Board Lock

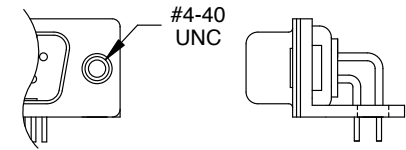


Option 3: Bracket with .120" Mounting Hole

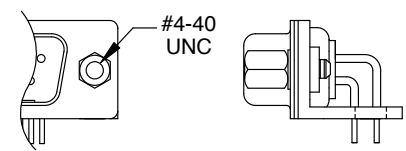
### MATING FACE MOUNTING OPTIONS



Option C: .120" Mounting Hole



Option D: #4-40 Rear Clinch Nut



Option E: #4-40 Threaded Insert with removable Jack Screws

## PART NUMBER CONFIGURATION

DE09 - PH - C		1	D	- BK	
SHELL SIZE/ POSITIONS	CONTACT TYPE	FOOTPRINT DIMENSION	PCB MOUNTING OPTIONS	MATING FACE/ MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position <b>DC50</b> = 50 Position	<b>PH</b> = Plug, Right Angle Machined Contact <b>SH</b> = Socket, Right Angle Machined Contact	<b>C</b> = .283" Footprint <b>G</b> = .370" Footprint	<b>1</b> = Without Bracket <b>2</b> = Bracket with forked boardlock <b>3</b> = Bracket with .120" PCB mounting hole	<b>WITH BRACKET MOUNTING</b> <b>A</b> = Full plastic bracket with #4-40 Threaded Inserts <b>B</b> = Full plastic bracket with #4-40 Threaded Inserts with removable Jackscrews <b>AM</b> = Metal brackets with #4-40 Threaded Inserts <b>BM</b> = Metal brackets with #4-40 Threaded Inserts with removable Jackscrews  <b>WITHOUT BRACKET MOUNTING</b> <b>C</b> = .120" Non-Threaded holes <b>D</b> = #4-40 Rear Clinch Nut <b>E</b> = #4-40 Clinch Nut with removable Jackscrews	Add designator(s) to end of part number <b>BK</b> = Black insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PH-C1D</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Without Bracket	<a href="#">View</a>
<a href="#">DXXX-PH-C2A</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	<a href="#">View</a>
<a href="#">DXXX-PH-C2AM</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	<a href="#">View</a>
<a href="#">DXXX-PH-C3AM</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	<a href="#">View</a>
<a href="#">DXXX-PH-C3B</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	<a href="#">View</a>
<a href="#">DXXX-PH-G2BM</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with Forked Boardlock	<a href="#">View</a>
<a href="#">DXXX-PH-G3BM</a>	Right Angle with Machined Contacts	Multiple Options	Plug	Bracket with .120" PCB Mounting Hole	<a href="#">View</a>
<a href="#">DXXX-SH-C1C</a>	Right Angle with Machined Contacts	Multiple Options	Socket	.120" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SH-C2A</a>	Right Angle with Machined Contacts	Multiple Options	Socket	#4-40 Threaded Flush Inserts	<a href="#">View</a>
<a href="#">DXXX-SH-G2B</a>	Right Angle with Machined Contacts	Multiple Options	Socket	Bracket with Forked Boardlock	<a href="#">View</a>
<a href="#">DXXX-SH-G2BM</a>	Combination D-Sub with Coax or Power	Multiple Options	Socket	Bracket with Forked Boardlock	<a href="#">View</a>
<a href="#">DXXX-SH-G3FM</a>	Combination D-Sub with Coax or Power	Multiple Options	Socket	Bracket with .120" PCB Mounting Hole	<a href="#">View</a>

# D-Sub Connectors

STRAIGHT PCB & WIRE WRAP PCB TAIL

Adam Tech Straight PCB tail D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost, sturdy, full metal body industry standard connection. These connectors are manufactured with precision stamped or machined turned contacts offering a choice of contact plating and a wide selection of mating and mounting options.



## FEATURES & SPECIFICATIONS

### FEATURES:

- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T  
Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze  
Shell: Steel, Tin or Zinc plated  
Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.  
Current rating: 5 Amps max.  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C

PART NUMBER CONFIGURATION								
DE09	-	PT	-	1	-	SL	-	EMI
SHELL SIZE/ POSITIONS		CONTACT TYPE		TAIL LENGTH		MOUNTING OPTIONS		OPTIONS
DE09 = 9 Position DA15 = 15 Position DB25 = 25 Position DC37 = 37 Position DC50 = 50 Position		PT = Plug, Straight PCB Tail, Standard Profile ST = Socket, Straight PCB Tail, Standard Profile PE = Plug, Straight PCB Tail, High Profile SE = Socket, Straight PCB Tail, High Profile		1 = Standard tail length for .062"-.125" PCB's (E = .189") 2 = Wire wrap tail (E = .512")		Blank = .120" Mounting Holes SL = Bottom side riveted #4-40 Clinch Nuts JS = Top side riveted #4-40 Jackscrews BL = Riveted #4-40 Internal Threaded Standoffs with Boardlocks R = Riveted Round Jack Screws JSL = Bottom side riveted #4-40 Clinch Nuts with Jackscrews installed		Add designator(s) to end of part number EMI = Ferrite filtered version for EMI / RFI suppression HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DXXX-PE-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	<a href="#">View</a>
DXXX-PE-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-PE-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	<a href="#">View</a>
DXXX-PE-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-PE-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	<a href="#">View</a>
DXXX-PT-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	<a href="#">View</a>
DXXX-PT-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-PT-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	<a href="#">View</a>
DXXX-PT-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-PT-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	<a href="#">View</a>
DXXX-PT-1-SL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Bottom Side Riveted #4-40 Clinch Nuts with Jack Screws Installed	<a href="#">View</a>
DXXX-PT-2	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	.120" Mounting Holes	<a href="#">View</a>
DXXX-PT-2-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-PT-2-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-PT-2-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	<a href="#">View</a>
DXXX-SE-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	<a href="#">View</a>
DXXX-SE-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-SE-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	<a href="#">View</a>
DXXX-SE-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-ST-1	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	<a href="#">View</a>
DXXX-ST-1-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-ST-1-BL-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws & Standoffs with Boardlocks	<a href="#">View</a>
DXXX-ST-1-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-ST-1-MC	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.118" Mounting Holes	<a href="#">View</a>
DXXX-ST-1-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	<a href="#">View</a>
DXXX-ST-2	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	.120" Mounting Holes	<a href="#">View</a>
DXXX-ST-2-BL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
DXXX-ST-2-JS	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Jack Screws	<a href="#">View</a>
DXXX-ST-2-SL	Straight PCB and Wire Wrap PCB Tail	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	<a href="#">View</a>

### MOUNTING OPTIONS

**SL Option**  
Bottom side riveted #4-40 Clinch Nuts

**JS Option**  
Top side riveted #4-40 Jack Screws

**BL Option**  
#4-40 Threaded Boardlocks

**Wire Wrap Tail Option**  
Terminal length -2 wire wrap tail

**Recommended PCB Layout**

Adam Tech Combination Signal/Coax D-Sub connectors are a popular interface for many mixed signal I/O applications. Offered in five shell sizes they are a good choice for a low cost industry standard connection that requires utilization of standard signal and high performance, low impedance signals either in signal-coax or signal -power choices. Adam Tech connectors are manufactured with precision stamped standard signal contacts and precision turned coax contacts. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.



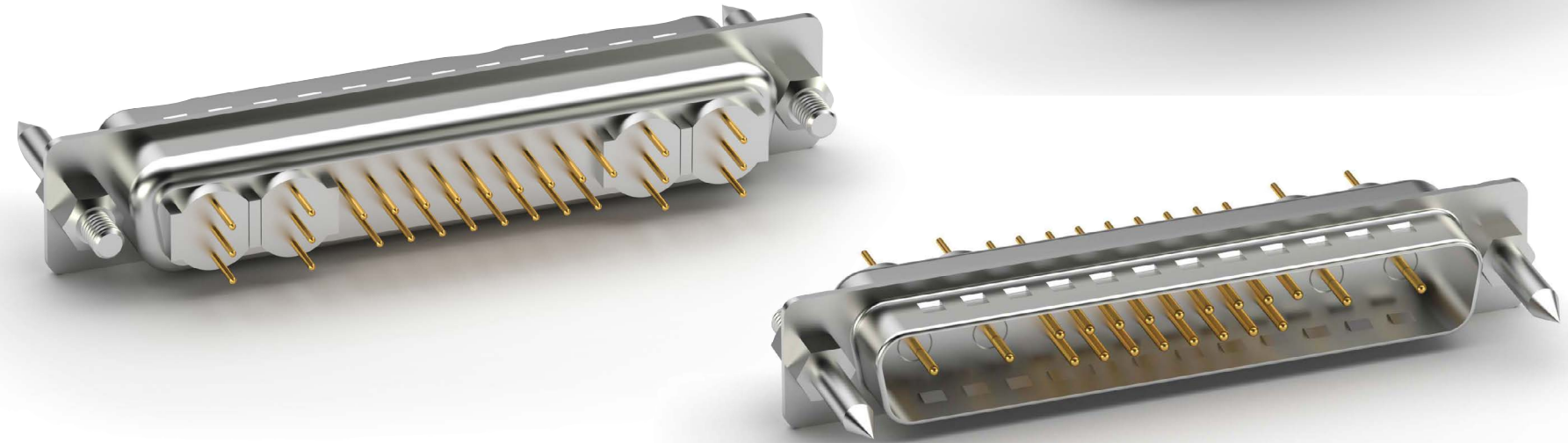
### FEATURES & SPECIFICATIONS

#### Electrical:

- Operating voltage: 250V AC / DC max.
- Signal Current rating: 5 Amps max.
- High Power contact current rating: 20 or 40 Amps.
- Coaxial Impedance: 50Ω (75Ω optional)
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



### PART NUMBER CONFIGURATION

SHELL	TYPE	STYLE	MOUNTING OPTIONS
<b>D11W1</b>	<b>PL</b>	<b>1</b>	<b>3</b>
<b>D1W1, D2W2, D3W3, D5W1, D5W5, D7W2, D8W8, D9W4N, D11W1, D13W3, D13W6, D17W2, D17W5, D21W1, D21W4, D24W7, D25W3, D27W2, D36W4, D43W2</b>	SIGNAL-COAX: <b>PT</b> = Plug, Straight PCB <b>ST</b> = Socket, Straight PCB <b>PL</b> = Plug, Right Angle PCB <b>SL</b> = Socket, Right Angle PCB SIGNAL-POWER: <b>PD</b> = Plug, Solder Cup <b>SD</b> = Socket, Solder Cup SIGNAL-POWER: <b>PTP</b> = Plug, Straight PCB, Power Contacts <b>STP</b> = Socket, Straight PCB, Power Contacts <b>PLP</b> = Plug, Right Angle PCB, Power Contacts <b>SLP</b> = Socket, Right Angle PCB, Power Contacts <b>PDP</b> = Plug, Solder Cup Power Contacts <b>SDP</b> = Socket, Solder Cup Power Contacts	SIGNAL-COAX: <b>1</b> = 50 Ohm <b>2</b> = 75 Ohm SIGNAL-POWER: <b>3</b> = 10 Amps <b>4</b> = 20 Amps <b>5</b> = 30 Amps <b>6</b> = 40 Amps <b>7</b> = 50 Amps	RIGHT ANGLE: <b>1</b> = 120" non-threaded mounting holes, no bracket <b>2</b> = Short Bracket with #4-40 flush threaded inserts in mounting holes <b>2A</b> = Short Bracket with #4-40 flush threaded inserts in mounting holes Jack Screws installed <b>3</b> = Long Bracket with #4-40 flush threaded inserts in mounting holes <b>3A</b> = Long Bracket with #4-40 flush threaded inserts in mounting holes Jack Screws installed STRAIGHT: <b>JS</b> = Riveted #4-40 Jack Screws on top of flange <b>SL</b> = Riveted #4-40 clinch nuts on bottom of flange <b>BL</b> = Riveted Board Locks

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
<b>D11W1-PL-0-3</b>	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<b>D11W1-SL-0-3</b>	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<b>D13W3-PD-X-1</b>	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<b>D13W3-PDP-X-1</b>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<b>D13W3-PL-1-3-BL</b>	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<b>D13W3-PLP-X-3-BL-JS</b>	Combination D-Sub with Coax or Power	Plug		Signal-Power	<a href="#">View</a>
<b>D13W3-PT-X-BL</b>	Combination D-Sub with Coax or Power	Plug		Signal-Coax	<a href="#">View</a>
<b>D13W3-PTP-X</b>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>

# D-Sub Connectors

## COMBINATION D-SUB WITH COAX OR POWER

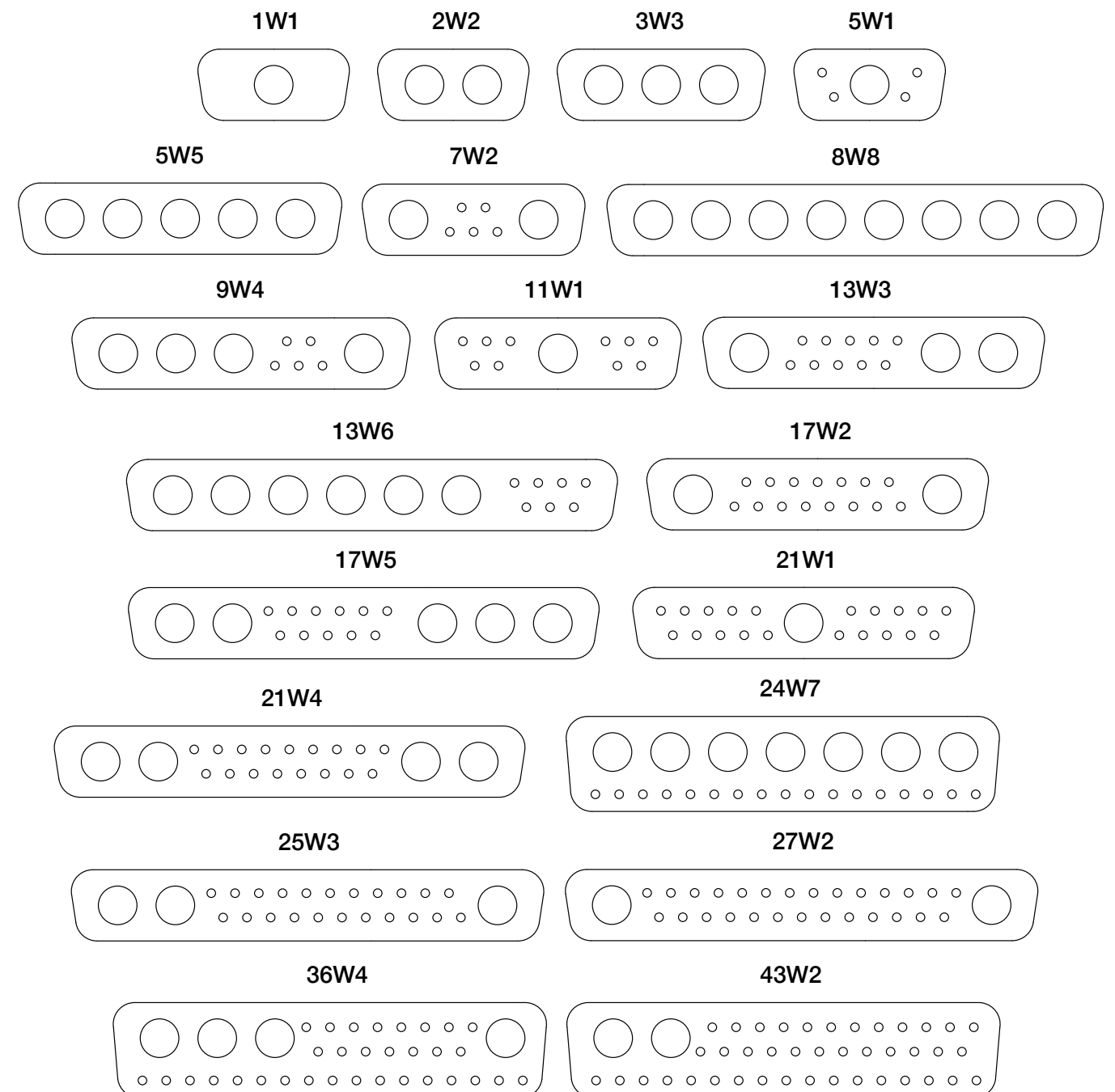
PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
<a href="#">D13W3-SD-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D13W3-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D13W3-ST-X-BL</a>	Combination D-Sub with Coax or Power	Socket		Signal-Coax	<a href="#">View</a>
<a href="#">D13W3-STP-X</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W2-PD-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D17W2-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W2-PL-2-2-BL</a>	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<a href="#">D17W2-SD-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D17W2-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W2-SL-2-2-BL</a>	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<a href="#">D17W2-SLP-X-2</a>	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
<a href="#">D17W5-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W5-PLP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W5-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D17W5-SLP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D21W4-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D21W4-PL-1-3-BL</a>	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<a href="#">D21W4-PLP-X-2</a>	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
<a href="#">D21W4-PTP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D21W4-SL-1-3-BL</a>	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Coax	<a href="#">View</a>
<a href="#">D21W4-SLP-X-2</a>	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
<a href="#">D21W4-ST-2</a>	Combination D-Sub with Coax or Power	Socket		Signal-Coax	<a href="#">View</a>
<a href="#">D21W4-STP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D24W7-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D24W7-PTP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D24W7-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
<a href="#">D24W7-SL-1-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D24W7-STP-X-BL</a>	Combination D-Sub with Coax or Power	Socket		Signal-Power	<a href="#">View</a>
<a href="#">D25W3-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D25W3-PT-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D25W3-PTP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D25W3-SLP-X-2</a>	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
<a href="#">D25W3-ST-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D25W3-STP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D27W2-PD-1-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D27W2-SD-1-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D2W2-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D2W2-PLP-X-2-BL</a>	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
<a href="#">D2W2-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D2W2-SLP-X-2-BL</a>	Combination D-Sub with Coax or Power	Socket		Signal-Power	<a href="#">View</a>
<a href="#">D36W4-PD-1-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D36W4-SD-1-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D3W3-PD-2-1</a>	Combination D-Sub with Coax or Power	Plug		Signal-Coax	<a href="#">View</a>
<a href="#">D3W3-PDP-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D3W3-PL-1-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D3W3-PLP-XX-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D3W3-PTP-X-BL</a>	Combination D-Sub with Coax or Power	Plug		Signal-Power	<a href="#">View</a>
<a href="#">D3W3-SD-2-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D3W3-SDP-X-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D3W3-SL-1-1</a>	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
<a href="#">D3W3-SLP-XX-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
<a href="#">D43W2-PD-X-1</a>	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D43W2-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D5W1-SL-1-2A-BL	Combination D-Sub with Coax or Power	Socket	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Coax	<a href="#">View</a>
D5W5-PD-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D5W5-PD-2-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D5W5-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D5W5-PLP-XX-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D5W5-PTP-X-BL	Combination D-Sub with Coax or Power	Plug		Signal-Power	<a href="#">View</a>
D5W5-SDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D5W5-SL-1-2A	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Coax	<a href="#">View</a>
D5W5-SLP-X-2A	Combination D-Sub with Coax or Power	Plug	Short Bracket with #4-40 Flush Threaded Inserts in Mounting Holes, Jack Screws Installed	Signal-Power	<a href="#">View</a>
D5W5-STP-X-BL	Combination D-Sub with Coax or Power	Socket		Signal-Power	<a href="#">View</a>
D7W2-PD-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D7W2-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D7W2-PLP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D7W2-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D7W2-SD-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D7W2-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D7W2-SLP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D7W2-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D8W8-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D8W8-PL-1-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D8W8-PLP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D8W8-PTP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D8W8-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D8W8-SL-1-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Coax	<a href="#">View</a>
D8W8-SLP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>

PART NUMBER	TYPE	GENDER	PCB MOUNTING OPTIONS	STYLE (FOR COAX/POWER PARTS)	PRODUCT DATA
D8W8-STP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D9W4-PDP-X-1	Combination D-Sub with Coax or Power	Plug	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D9W4-PLP-X-3-BL	Combination D-Sub with Coax or Power	Plug	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>
D9W4-SDP-X-1	Combination D-Sub with Coax or Power	Socket	.120" Non Threaded Mounting Holes, No Bracket	Signal-Power	<a href="#">View</a>
D9W4-SLP-X-3-BL	Combination D-Sub with Coax or Power	Socket	Long Bracket with #4-40 Flush Threaded Inserts in Mounting Holes	Signal-Power	<a href="#">View</a>

### SHELL CONFIGURATIONS



# D-Sub Connectors

RIGHT ANGLE .197" [5.00] SLIMLINE

Adam Tech Right Angle Slimline PCB tail D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Short profile space saving design
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T  
 Insulator Color: Black

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

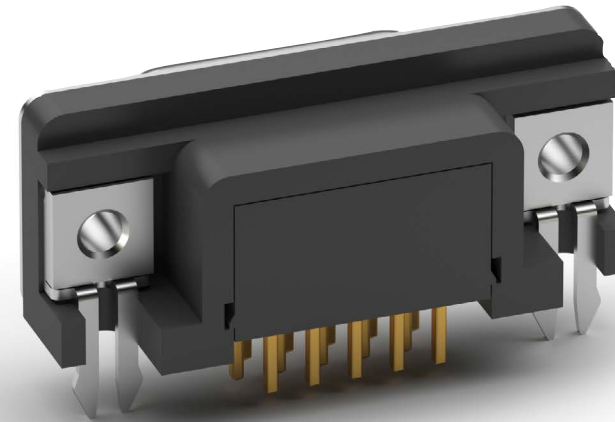
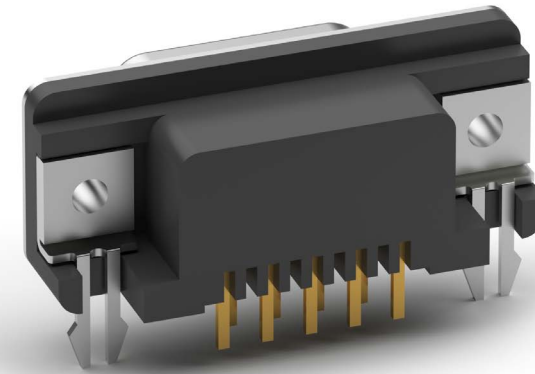
Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



## PART NUMBER CONFIGURATION

SHELL SIZE/ POSITIONS	CONTACT TYPE	MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Positions <b>DB25</b> = 25 Positions <b>HD15</b> = High Density 15 Positions	<b>PN</b> = Plug, .197" Slimline <b>SN</b> = Socket, .197" Slimline	<b>24</b> = Forked Boardlocks for PCB Retention and #4-40 threaded inserts in mounting holes <b>25</b> = Forked Boardlocks for PCB retention and #4-40 threaded inserts in mounting holes with installed jackscrews	Add designator(s) to end of part number <b>LPJ</b> = Loose packed jackscrews <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>R</b> = Round jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
<a href="#">DXXX-PN-24</a>	Right Angle .197	Multiple Options	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		<a href="#">View</a>
<a href="#">DXXX-SN-24</a>	Right Angle .197	Multiple Options	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		<a href="#">View</a>
<a href="#">DXXX-SN-25</a>	Right Angle .197	Multiple Options	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews		<a href="#">View</a>
<a href="#">HD15-SN-24</a>	Right Angle .197	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes		<a href="#">View</a>
<a href="#">HDXX-SN-24</a>	High Density D-Sub	Multiple Options	Socket		Right Angle PCB Mount	<a href="#">View</a>
<a href="#">HDXX-SN-25</a>	High Density D-Sub	Multiple Options	Socket		Right Angle PCB Mount	<a href="#">View</a>



# D-Sub Connectors

RIGHT ANGLE SMT .118" [3.00] SLIMLINE

Adam Tech Right Angle SMT Slimline D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Short profile space saving design
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: Hi-Temperature thermoplastic, rated UL94V-0

Insulator Color: Black  
 Contacts: Phosphor Bronze or Brass  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

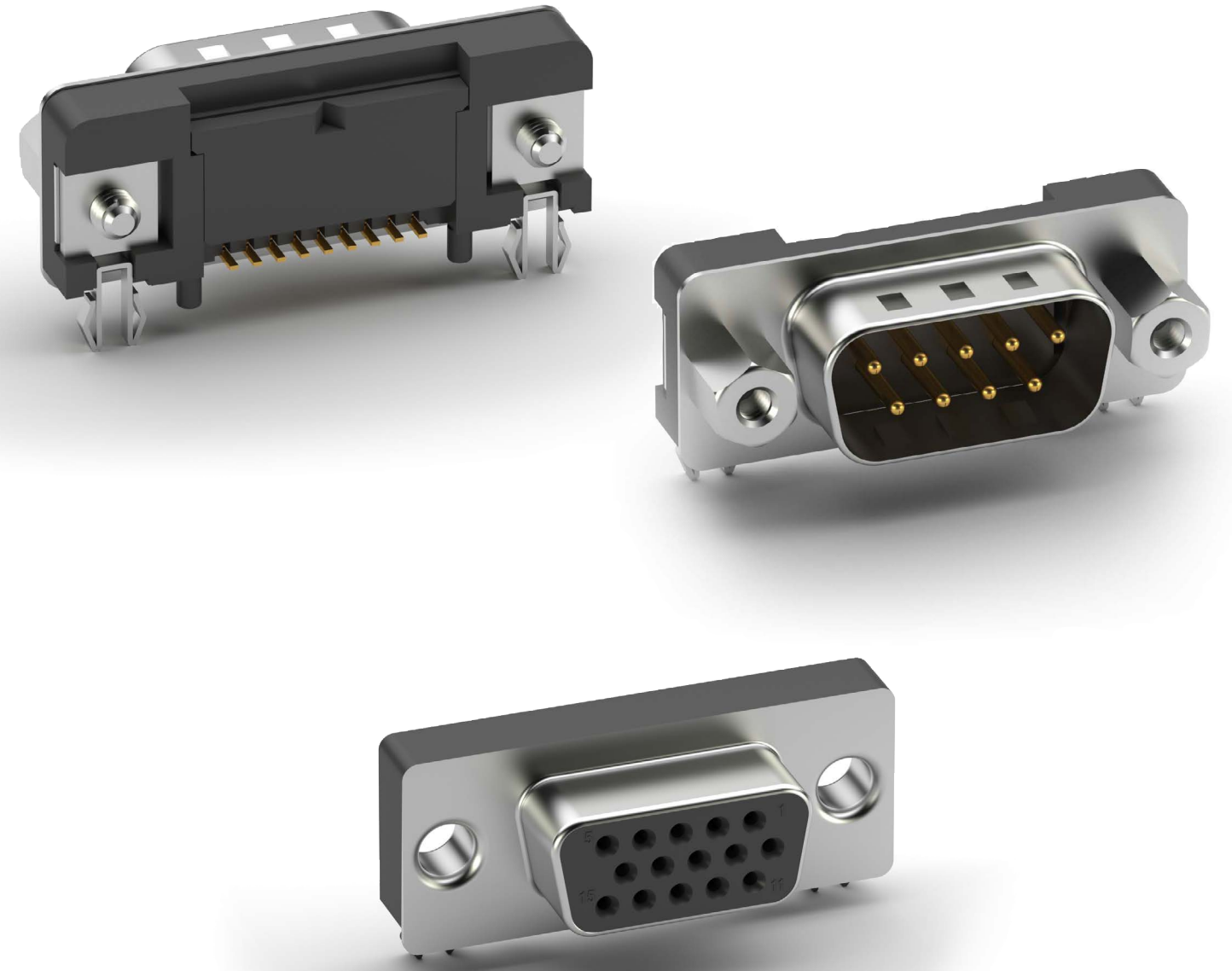
Operating voltage: 250V AC / DC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature: 260°C



## PART NUMBER CONFIGURATION

DB25	-	PS	-	25	-	R
SHELL SIZE/ POSITIONS		CONTACT TYPE		MOUNTING OPTIONS		OPTIONS
<b>DE09</b> = 9 Positions <b>DB25</b> = 25 Positions <b>HD15</b> = High Density 15 Positions		<b>PS</b> = Plug Surface Mount <b>SS</b> = Socket Surface Mount		<b>24</b> = Forked Boardlocks for PCB Retention and #4-40 threaded inserts in mounting holes <b>25</b> = Forked Boardlocks for PCB retention and #4-40 threaded inserts in mounting holes with installed jackscrews		Add designator(s) to end of part number <b>R</b> = Round jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<b>DB25-PS-25</b>	Right Angle .118	25	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	<a href="#">View</a>
<b>DB25-SS-24</b>	Right Angle .118	25	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	<a href="#">View</a>
<b>DE09-PS-25</b>	Right Angle .118	9	Plug	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	<a href="#">View</a>
<b>DE09-SS-24</b>	Right Angle .118	9	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	<a href="#">View</a>
<b>DXXX-SS-24</b>	Right Angle .318	25	Socket	Forked Board Locks	<a href="#">View</a>
<b>HDL15-SS-24</b>	Right Angle .118	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes	<a href="#">View</a>
<b>HDL15-SS-25</b>	Right Angle .118	15	Socket	Forked Boardlocks for PCB Retention and #4-40 Threaded Inserts in Mounting Holes with Installed Jackscrews	<a href="#">View</a>

Adam Tech Flat Cable IDC D-Sub connectors are a popular interface for many I/O and cable assembly applications. Offered in 9, 15, 25, 37 and 50 positions they are an excellent choice for a low cost industry standard connection that terminates .050" flat cable quickly, easily and compactly. These connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Quickly terminates to flat cable
- Industry standard compatibility
- Durable metal shell design
- Integral strain relief available
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Colors: Black (Blue optional)  
 Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

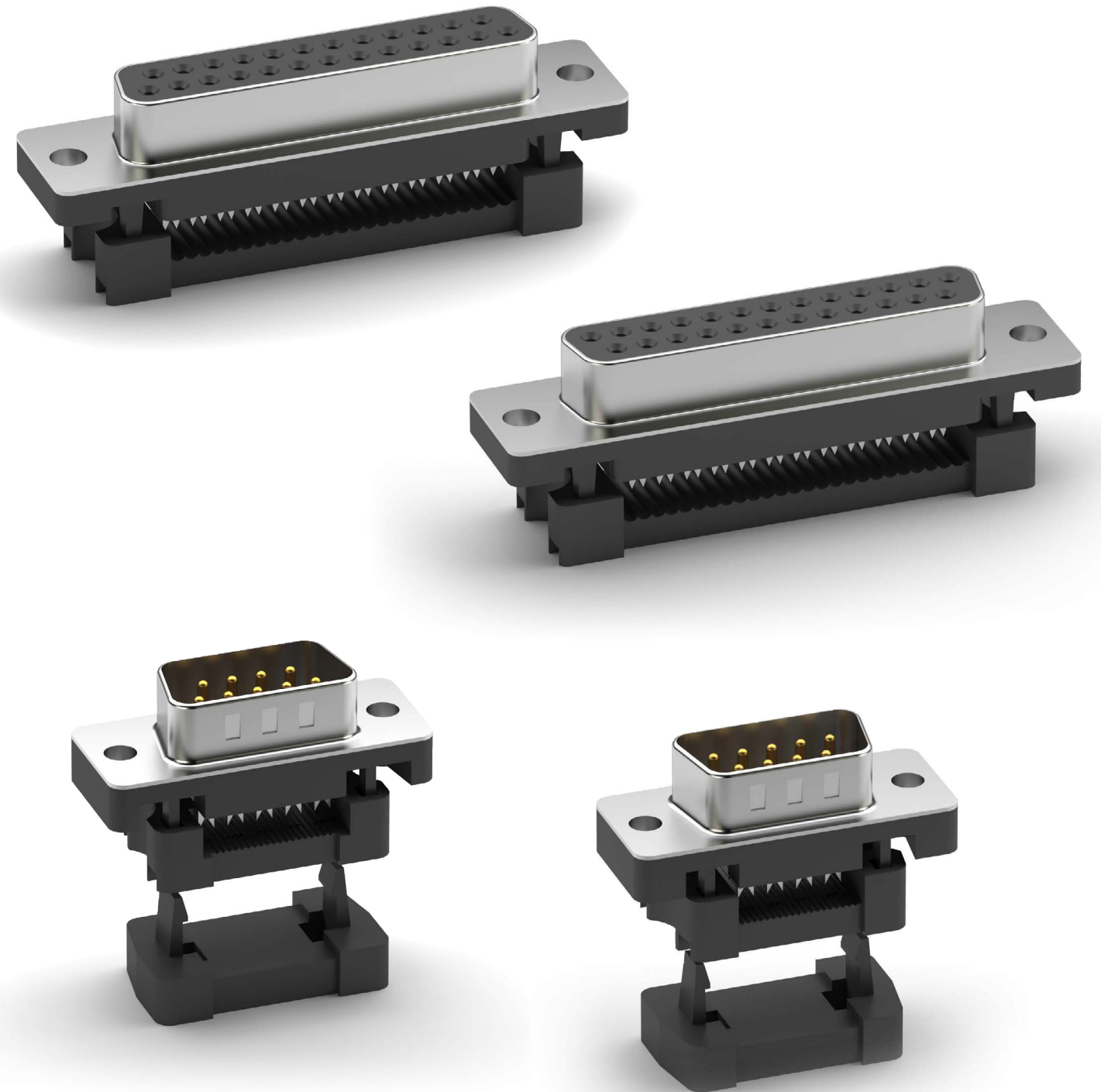
Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min  
 Recommended cable size: 28 to 30 Awg.

#### Temperature Rating:

Operating temperature: -55°C to +105°C



### PART NUMBER CONFIGURATION

DE09	-	PF	-	M	1	BU
SHELL SIZE/ POSITIONS		CONTACT TYPE		BODY CONSTRUCTION	MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position <b>DC50</b> = 50 Position		<b>PF</b> = Plug, IDC <b>SF</b> = Socket, IDC  STRAIN RELIEF PART NO.: <b>DSR-09</b> = 9 Position <b>DSR-15</b> = 15 Position <b>DSR-25</b> = 25 Position <b>DSR-37</b> = 37 Position <b>DSR-50</b> = 50 Position		<b>M</b> = Metal shell <b>P</b> = All plastic body	<b>1</b> = .130" mounting holes <b>2</b> = #4-40 threaded flush inserts (Metal Shell only)	Add designator(s) to end of part number <b>BU</b> = Blue color insulator

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PF-M1</a>	IDC Flat Cable Termination	Multiple Options	Plug	.130" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PF-M2</a>	IDC Flat Cable Termination	Multiple Options	Plug	#4-40 Threaded Flush Inserts	<a href="#">View</a>
<a href="#">DXXX-PF-P1</a>	IDC Flat Cable Termination	Multiple Options	Plug	.130" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PF-P2</a>	IDC Flat Cable Termination	Multiple Options	Plug	#4-40 Threaded Flush Inserts	<a href="#">View</a>
<a href="#">DXXX-SF-M1</a>	IDC Flat Cable Termination	Multiple Options	Socket	.130" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SF-M2</a>	IDC Flat Cable Termination	Multiple Options	Socket	#4-40 Threaded Flush Inserts	<a href="#">View</a>
<a href="#">DXXX-SF-P1</a>	IDC Flat Cable Termination	Multiple Options	Socket	.130" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SF-P2</a>	IDC Flat Cable Termination	Multiple Options	Socket	#4-40 Threaded Flush Inserts	
<a href="#">DSR-XX</a>	Strain Relief				<a href="#">View</a>

Adam Tech Solder Cup D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions, they are an excellent choice for a low cost industry standard connection. These connectors are manufactured with precision stamped contacts, and offer a wide selection of mating and mounting options. Adam Tech Solder Cup connectors can be soldered to cable ends or mounted directly to a PCB card edge.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Cable or edge card mounting
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Mating and mounting options

#### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

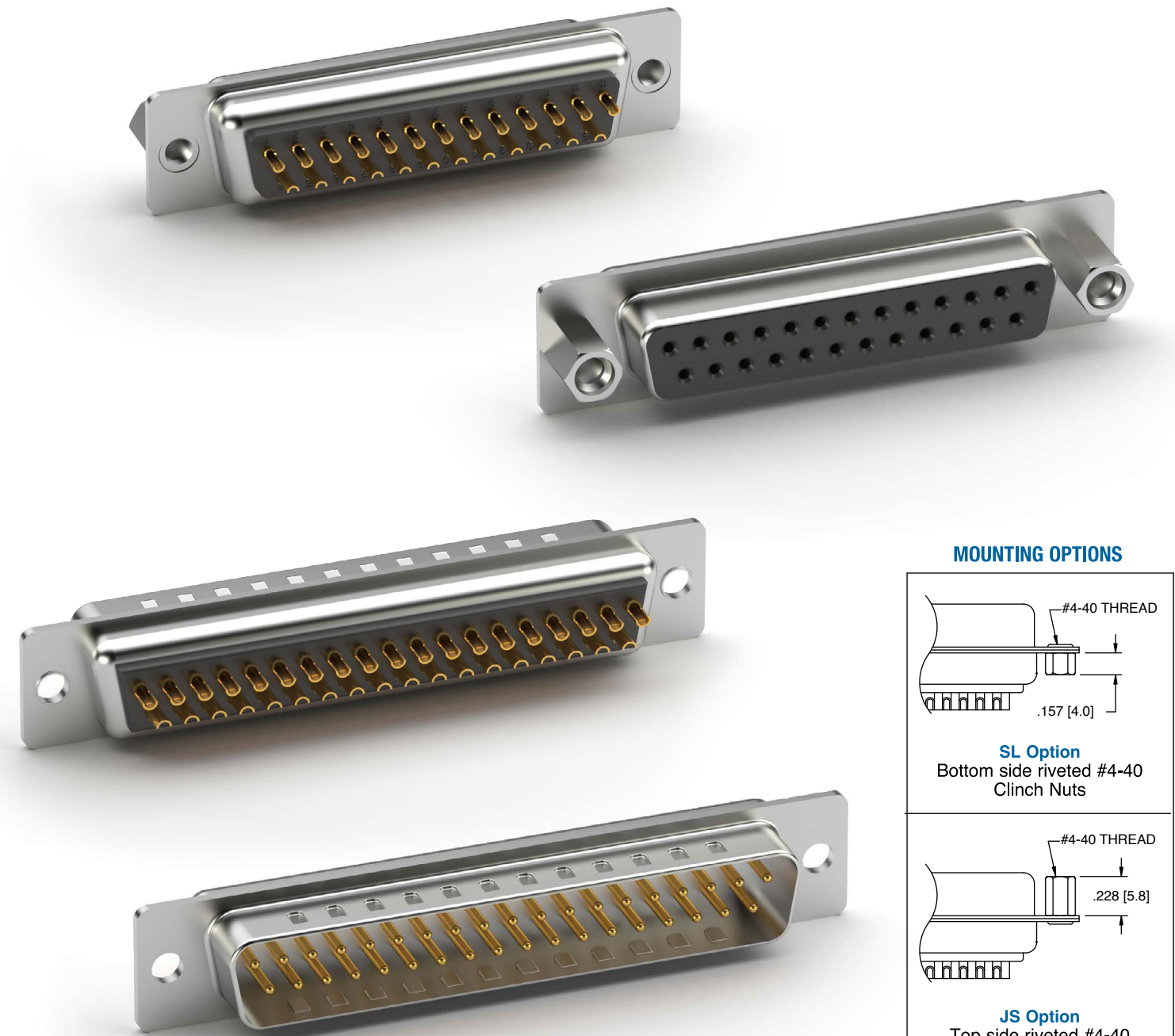
#### Mechanical:

Insertion force: 0.75 lbs max

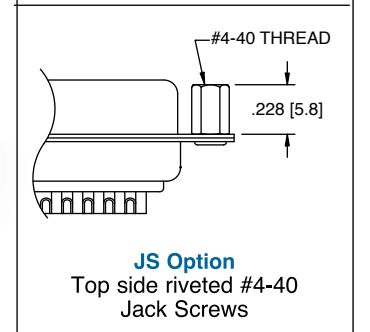
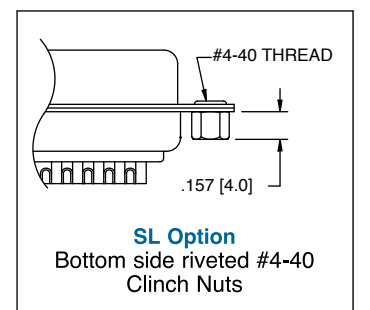
Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C



#### MOUNTING OPTIONS



PART NUMBER CONFIGURATION			
DE09	- PD	- JS	- WT
SHELL SIZE/POSITIONS	CONTACT TYPE	MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position <b>DC50</b> = 50 Position	<b>PD</b> = Solder Cup, Plug <b>SD</b> = Solder Cup, Socket	Blank = .120" Mounting Holes <b>SL</b> = Bottom Side Riveted, #4-40 clinch nuts <b>JS</b> = Top Side Riveted, #4-40 Jack Screws	Add designator(s) to end of part number <b>WT</b> = White color insulator

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PD</a>	Solder Cup Termination	Multiple Options	Plug	.120" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PD-JS</a>	Solder Cup Termination	Multiple Options	Plug	Top Side Riveted, #4-40 Jack Screws	<a href="#">View</a>
<a href="#">DXXX-PD-MC</a>	Solder Cup Termination	Multiple Options	Plug	.118" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PD-SL</a>	Solder Cup Termination	Multiple Options	Plug	Bottom Side Riveted, #4-40 Clinch Nuts	<a href="#">View</a>
<a href="#">DXXX-SD</a>	Solder Cup Termination	Multiple Options	Socket	.120" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SD-JS</a>	Solder Cup Termination	Multiple Options	Socket	Top Side Riveted, #4-40 Jack Screws	<a href="#">View</a>
<a href="#">DXXX-SD-MC</a>	Solder Cup Termination	Multiple Options	Socket	.118" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SD-SL</a>	Solder Cup Termination	Multiple Options	Socket	Bottom Side Riveted, #4-40 Clinch Nuts	<a href="#">View</a>
<a href="#">DE09-SD-LC-KIT-X</a>	Strain Relief				<a href="#">View</a>

Adam Tech Crimp and Poke D-Sub connectors are a popular interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are a low cost alternative to soldering a connector to cable. Contacts are crimped onto discrete wires and pushed into the connector body. The connector is comprised of a metal shell and plastic insulator and is available with a variety of mating options. The contacts are precision stamped and are available in a variety of platings.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Low cost no solder alternative
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Color: Black

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max

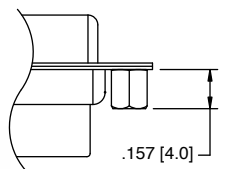
Extraction force: 0.44 lbs min

#### Temperature Rating:

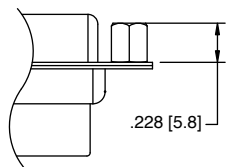
Operating temperature: -55°C to +105°C



### MOUNTING OPTIONS



**SL Option**  
Bottom side riveted #4-40 Clinch Nuts



**JS Option**  
Top side riveted #4-40 Jack Screws

## HOUSING PART NUMBER CONFIGURATION

DE09	-	PR	-	JS
SHELL SIZE/POSITIONS		CONTACT TYPE		MOUNTING OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position <b>DC50</b> = 50 Position		<b>PR</b> = Plug, Crimp and Poke <b>SR</b> = Socket, Crimp and Poke		Blank = .120" Mounting Holes <b>SL</b> = Bottom Side Riveted, #4-40 clinch nuts <b>JS</b> = Top Side Riveted, #4-40 Jack Screws

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PR</a>	Crimp and Poke System	Multiple Options	Plug	.120" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PR-JS</a>	Crimp and Poke System	Multiple Options	Plug	Riveted #4-40 Jack Screws	<a href="#">View</a>
<a href="#">DXXX-PR-SL</a>	Crimp and Poke System	Multiple Options	Plug	Riveted #4-40 Clinch Nuts	<a href="#">View</a>
<a href="#">DXXX-SR</a>	Crimp and Poke System	Multiple Options	Socket	.120" Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SR-JS</a>	Crimp and Poke System	Multiple Options	Socket	Riveted #4-40 Jack Screws	<a href="#">View</a>
<a href="#">DXXX-SR-SL</a>	Crimp and Poke System	Multiple Options	Socket	Riveted #4-40 Clinch Nuts	<a href="#">View</a>

Adam Tech's Crimp and Poke D-Sub Contacts provide support to our crimp and poke D-Sub connectors. These plug and socket contacts are gold plated and can accommodate wire gauges of 24-28 AWG.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Plug and socket contacts  
Precision formed  
Wire gauge: 24-28 AWG  
Gold flash plated

#### SPECIFICATIONS:

##### Material:

Contact: Phosphor bronze  
Contact Plating:  
Gold flash over nickel underplate overall

##### Electrical:

Current rating: 3 Amps max  
Voltage rating: 250V AC max  
Contact resistance: 20 mohms max initial

##### Mechanical:

Recommended wire range: 24-28 AWG

##### Temperature Rating:

Operating temperature range: -55°C to +105°C

#### PACKAGING:

Loose cut  
Tape and reel



### CONTACTS PART NUMBER CONFIGURATION

DCP	-	01	-	R
<b>CONTACT WIRE RANGE</b>		<b>CONTACT TYPE</b>		<b>PACKAGING</b>
DCP = Plug Contact DCS = Socket Contact		01 = 24-26 AWG 02 = 20-22 AWG 03 = 28-30 AWG		R = 10,000 piece reel

PART NUMBER	TYPE	PRODUCT DATA
DCP-01-X	Crimp and Poke System - Contacts	<a href="#">View</a>
DCS-01-X	Crimp and Poke System - Contacts	<a href="#">View</a>
DCS-01A-R	Crimp and Poke System - Contacts	<a href="#">View</a>

Adam Tech Flush Mount Straight PCB tail D-Sub connectors are a popular interface for many limited space I/O applications. Offered in 9, 15 and 25 positions they are an excellent choice for a low cost industry standard connection and are ideal for low profile design requirements. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Low profile space saving design
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T  
 Insulator Color: Black

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. Initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

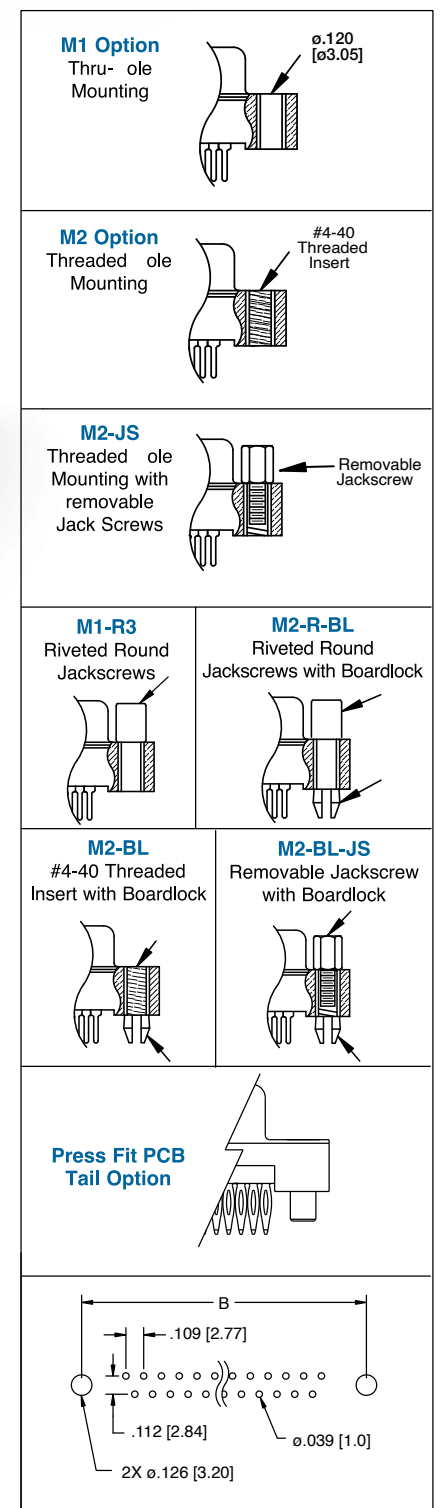
Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



#### MOUNTING OPTIONS

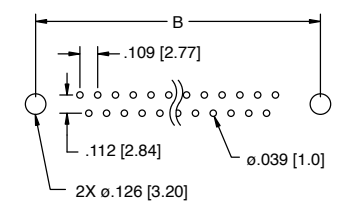


PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
<a href="#">DXXX-PA-M1</a>	Flush Mount Straight PCB Tails	Multiple Options	Plug	Through Hole Mounting	<a href="#">View</a>
<a href="#">DXXX-PA-M2</a>	Flush Mount Straight PCB Tails	Multiple Options	Plug	#4-40 Threaded Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-PA-M2-BL</a>	Flush Mount Straight PCB Tails	Multiple Options	Plug	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
<a href="#">DXXX-PA-M2-BL-JS</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	Removable Jackscrews with Boardlocks	<a href="#">View</a>
<a href="#">DXXX-PA-M2-JS</a>	Flush Mount Straight PCB Tails	Multiple Options	Plug	#4-40 Threaded Holes with Removable Jackscrews	<a href="#">View</a>
<a href="#">DXXX-PA-M2-R-BL</a>	Flush Mount Straight PCB Tails	Multiple Options	Plug	Round Jackscrews on Top Side with Boardlocks Underneath	<a href="#">View</a>
<a href="#">DXXX-SA-M1</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	Through Hole Mounting	<a href="#">View</a>
<a href="#">DXXX-SA-M2</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	#4-40 Threaded Mounting Holes	<a href="#">View</a>
<a href="#">DXXX-SA-M2-BL</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	Riveted #4-40 Internal Threaded Standoffs with Boardlocks	<a href="#">View</a>
<a href="#">DXXX-SA-M2-BL-JS</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	Removable Jackscrews with Boardlocks	<a href="#">View</a>
<a href="#">DXXX-SA-M2-JS</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	#4-40 Threaded Holes with Removable Jackscrews	<a href="#">View</a>
<a href="#">DXXX-SA-M2-R-BL</a>	Flush Mount Straight PCB Tails	Multiple Options	Socket	Round Jackscrews on Top Side with Boardlocks Underneath	<a href="#">View</a>

### PART NUMBER CONFIGURATION

DE09	PA	SA	M1	Options
SHELL SIZE/ POSITIONS	CONTACT TYPE	PCB MOUNTING OPTIONS	MATING FACE/MOUNTING OPTIONS	OPTIONS
<b>DE09</b> = 9 Position <b>DA15</b> = 15 Position <b>DB25</b> = 25 Position <b>DC37</b> = 37 Position	<b>PA</b> = Plug, Flush mount, Straight PCB Tail <b>SA</b> = Socket, Flush Mount, Straight PCB Tail	<b>SA</b> = Wrap around ground straps with thru holes on half flange <b>SB</b> = Wrap around ground straps with thru holes on full flange <b>SC</b> = Top side only ground straps with thru holes on half flange <b>SD</b> = Top side only ground straps with thru holes on full flange <b>F</b> = Forked boardlocks on half flange <b>R</b> = Forked boardlocks on full flange	<b>M1</b> = Thru Hole Mounting <b>M2</b> = #4-40 Threaded mounting holes <b>M1-R3</b> = Round Jackscrews on top side <b>M2-R-BL</b> = Round Jackscrews on top side with Boardlocks underneath <b>M2-JS</b> = #4-40 Threaded Holes with removable Jackscrews <b>M2-BL</b> = Riveted #4-40 Internal Threaded Standoffs with Boardlocks <b>M2-BL-JS</b> = Removable Jackscrews with Boardlocks	Add designator(s) to end of part number <b>PF</b> = Press Fit Pins <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

Recommended PCB Layout



Adam Tech Solder Cup High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions, they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- High Density pin count in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Mating and mounting options

#### MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max

Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C

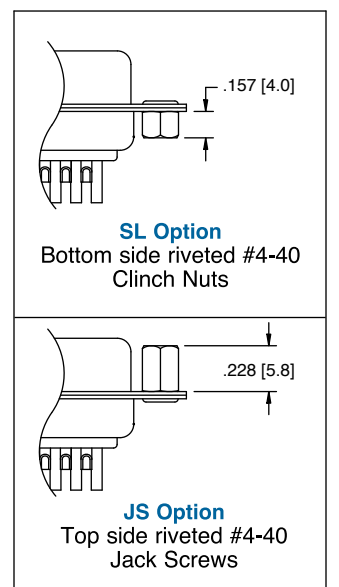


### PART NUMBER CONFIGURATION

HDT	15	-	PD	-	WT
SERIES	POSITIONS		CONTACT TYPE		OPTIONS
HDT = High Density D-Sub	15 = 15 Position 26 = 26 Position 44 = 44 Position 62 = 62 Position 78 = 78 Position		PD = Plug, Solder Cup SD = Socket, Solder Cup		Add designator(s) to end of part number WT = White color insulator SL = Bottom side Riveted #4-40 Clinch Nuts JS = #4-40 Jackscrews installed

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
<a href="#">HDTXX-PD</a>	High Density D-Sub	Multiple Options	Plug	Solder Cup Termination	<a href="#">View</a>
<a href="#">HDTXX-SD</a>	High Density D-Sub	Multiple Options	Socket	Solder Cup Termination	<a href="#">View</a>
<a href="#">HDTXX-SD-JS</a>	High Density D-Sub	Multiple Options	Socket	Solder Cup Termination	<a href="#">View</a>

#### MOUNTING OPTIONS



Adam Tech Straight PCB tail High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- High Density pin count in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T rated UL94V-0  
 Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

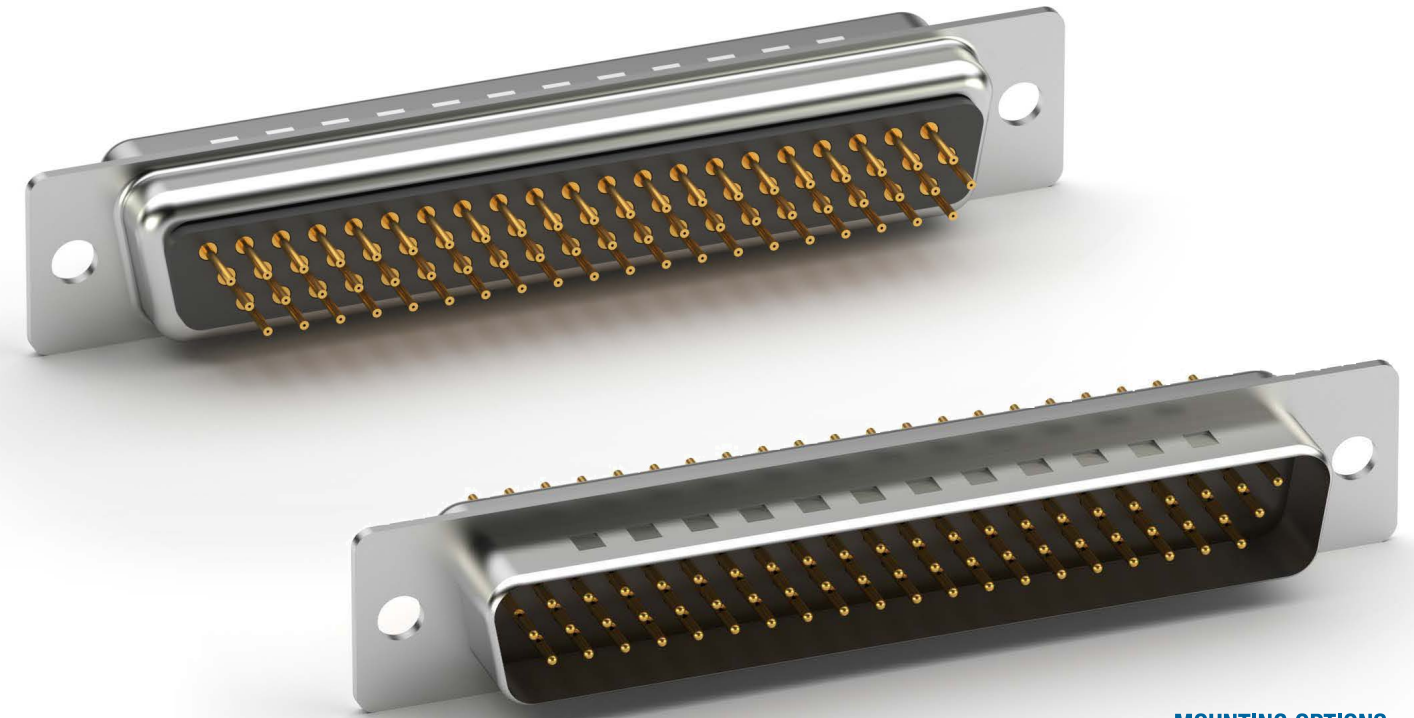
Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

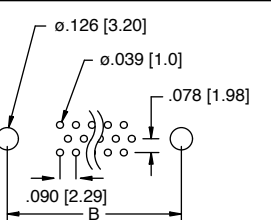
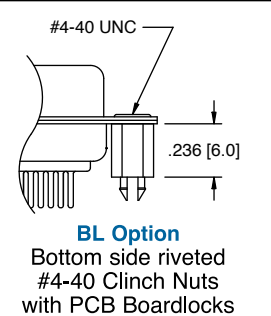
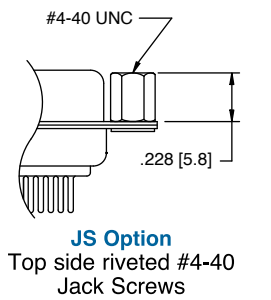
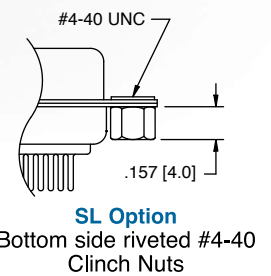
Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



#### MOUNTING OPTIONS



Recommended PCB Layout

PART NUMBER CONFIGURATION			
HDT	15	- PT	- WT
SERIES	POSITIONS	CONTACT TYPE	OPTIONS
<b>HDT</b> = High Density D-Sub	<b>15</b> = 15 Position <b>26</b> = 26 Position <b>44</b> = 44 Position <b>62</b> = 62 Position <b>78</b> = 78 Position	<b>PT</b> = Plug, Straight PCB Tail <b>ST</b> = Socket, Straight PCB Tail	Add designator(s) to end of part number <b>WT</b> = White color insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>SL</b> = Bottom side Riveted #4-40 Clinch Nuts <b>JS</b> = #4-40 Jackscrews installed

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
<b>HDTXX-PT</b>	High Density D-Sub	Multiple Options	Plug	Straight PCB Tail	<a href="#">View</a>
<b>HDTXX-ST</b>	High Density D-Sub	Multiple Options	Socket	Straight PCB Tail	<a href="#">View</a>



Adam Tech right angle PCB mount High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a good choice for a low cost industry standard high density connection. Adam Tech connectors are manufactured with precision stamped contacts offering a choice of contact plating and a wide selection of mating and mounting options.

## FEATURES & SPECIFICATIONS

### FEATURES:

- High Density in standard size shell
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T rated UL94V-0  
 Insulator Colors:  
 HDL Series: Black  
 HDVG Series: Blue

Contacts: Phosphor Bronze  
 Shell: Steel, Tin or Zinc plated  
 Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.  
 Current rating: 5 Amps max.  
 Contact resistance: 20 mΩ max initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
 Extraction force: 0.44 lbs min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



## PART NUMBER CONFIGURATION

HDL	15	-	SL	-	B	-
SERIES	POSITIONS		CONTACT TYPE		MOUNTING OPTIONS	OPTIONS
<b>HDL</b> = High Density D-Sub <b>HDVG</b> = High Density VESA connector with recessed #9 pin and blue insulator	<b>15</b> = 15 Position <b>26</b> = 26 Position <b>44</b> = 44 Position <b>62</b> = 62 Position <b>78</b> = 78 Position		<b>PL</b> = Plug, Right Angle Mount <b>SL</b> = Socket, Right Angle Mount		<b>A</b> = #4-40 Jackscrews and forked boardlocks <b>B</b> = #4-40 Flush threaded inserts and forked boardlocks <b>C</b> = #4-40 Flush threaded inserts with removable jackscrews and forked boardlocks <b>D</b> = Topside ground straps with screw holes	Add designator(s) to end of part number <b>EMI</b> = Ferrite filtered version for EMI / RFI suppression <b>F</b> = Retention 4 prong boardlocks <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>R</b> = Round Riveted Jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
<b>HDL15-SL-24</b>	High Density D-Sub	15	Socket	Right Angle PCB Mount	<a href="#">View</a>
<b>HDLXX-SL-B</b>	High Density D-Sub	Multiple Options	Socket	Right Angle PCB Mount	<a href="#">View</a>
<b>HDLXX-SL-C</b>	High Density D-Sub	Multiple Options	Socket	Right Angle PCB Mount	<a href="#">View</a>

Adam Tech Crimp and Poke High Density D-Sub connectors are a popular interface for many I/O applications. Offered in 15, 26, 44, 62 and 78 positions they are a low cost alternative to soldering a high density connector to cable. Contacts are crimped onto discrete wires and pushed into the connector body. The connector is comprised of a metal shell and plastic insulator and is available with a variety of mating options. The contacts are precision stamped and are available in a variety of platings.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- High Density in standard size shell
- Low cost no solder alternative
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech high density D-Subminiatures and all industry standard high density D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0

Insulator Colors: Black (White optional)

Contacts: Phosphor Bronze

Shell: Steel, Tin or Zinc plated

Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

Operating voltage: 250V AC / DC max.

Current rating: 5 Amps max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max

Extraction force: 0.44 lbs min

Recommended wire size: 22 to 28 Awg

Temperature Rating:

Operating temperature: -55°C to +105°C



### HOUSING PART NUMBER CONFIGURATION

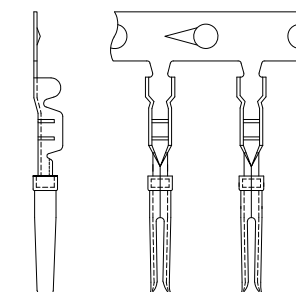
HDT	15	-	PR	-	WT
SERIES	POSITIONS		CONTACT TYPE		OPTIONS
<b>HDT</b> = High Density D-Sub	<b>15</b> = 15 Position <b>26</b> = 26 Position <b>44</b> = 44 Position <b>62</b> = 62 Position <b>78</b> = 78 Position		<b>PR</b> = Plug, Crimp and Poke <b>SR</b> = Socket, Crimp and Poke		Add designator(s) to end of part number <b>WT</b> = White color insulator <b>SL</b> = Riveted #4-40 Clinch Nuts <b>JS</b> = Riveted #4-40 Jackscrews

PART NUMBER	TYPE	POSITIONS	GENDER	HIGH DENSITY D-SUB TYPE	PRODUCT DATA
<a href="#">HDTXX-PR</a>	High Density D-Sub	Multiple Options	Plug	Crimp and Poke System	<a href="#">View</a>
<a href="#">HDTXX-SR</a>	High Density D-Sub	Multiple Options	Socket	Crimp and Poke System	<a href="#">View</a>
<a href="#">HDCP-01-R</a>	High Density D-Sub - Contacts				<a href="#">View</a>
<a href="#">HDCS-01-R</a>	High Density D-Sub - Contacts				<a href="#">View</a>

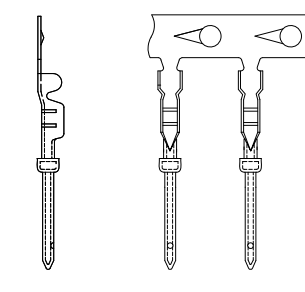
### CONTACTS PART NUMBER CONFIGURATION

HDCP	-	01	-	R
CONTACT WIRE RANGE		CONTACT TYPE		PACKAGING
<b>HDCP</b> = Plug Contact <b>HDCS</b> = Socket Contact		<b>01</b> = 24-26 AWG <b>02</b> = 20-22 AWG <b>03</b> = 28-30 AWG		<b>R</b> = 10,000 piece chain on reel <b>B</b> = 1000 pieces loose cut

HDCS SOCKET CONTACTS



HDCP PLUG CONTACTS



Adam Tech's line of D-Sub products are backed by a comprehensive offering of backshells, hardware, and jackscrews. These accessories add versatility and customizability to D-Sub connectors and are compatible with Adam Tech and all other industry standard D-Sub products.

### FEATURES & SPECIFICATIONS

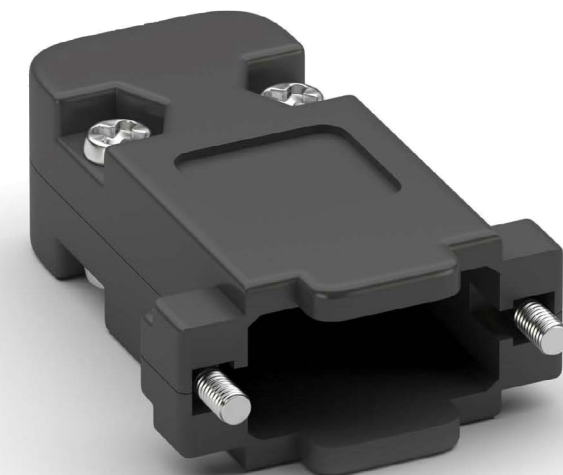
#### FEATURES:

- Compatible with most D-Sub products
- Short or thumb screw backshells
- Screw nut hardware
- Brass jackscrews

#### SPECIFICATIONS:

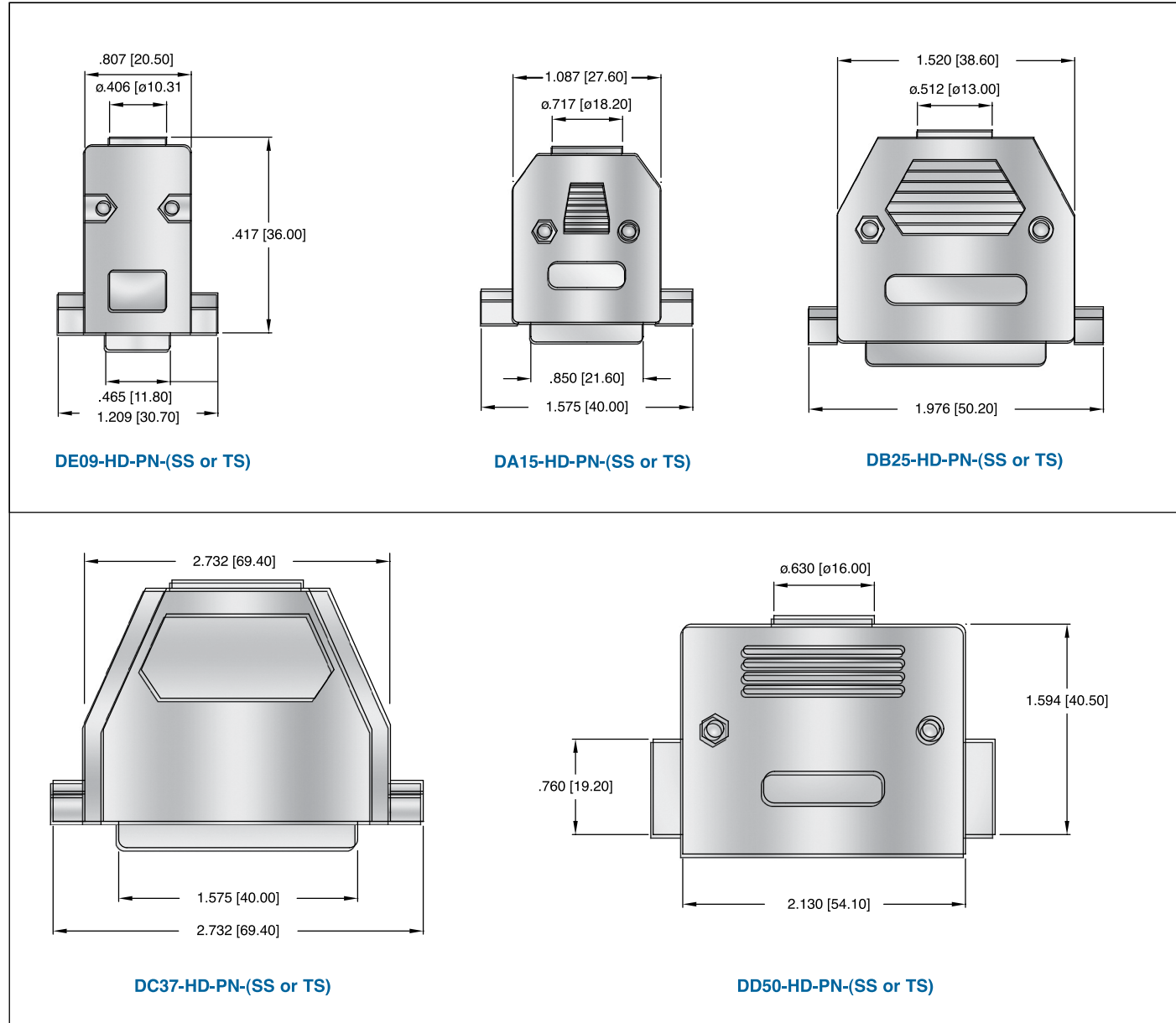
##### Material:

- Insulator (backshells): ABS or aluminum die cast
- Insulator color (backshells): Black or chrome plastic
- Hardware (backshells): Steel, chromate plated; or copper alloy, nickel plated
- Screw (hardware): Brass or copper, nickel plated
- Nut (hardware): Copper or steel, nickel plated
- Washer (hardware): Steel, nickel plated
- Jackscrew: Brass, nickel plated



PART NUMBER	TYPE	PRODUCT DATA
<a href="#">DXXX-HD-AL-TS</a>	Backshells	<a href="#">View</a>
<a href="#">DXXX-HD-PB-SS</a>	Backshells	<a href="#">View</a>
<a href="#">DXXX-HD-PB-TS</a>	Backshells	<a href="#">View</a>
<a href="#">DXXX-HD-PN-SS</a>	Backshells	<a href="#">View</a>
<a href="#">DXXX-HD-PN-TS</a>	Backshells	<a href="#">View</a>
<a href="#">HDW-023</a>	Hardware	<a href="#">View</a>
<a href="#">HDW-024</a>	Hardware	<a href="#">View</a>
<a href="#">JS-01</a>	Jackscrews	<a href="#">View</a>
<a href="#">JS-02</a>	Jackscrews	<a href="#">View</a>

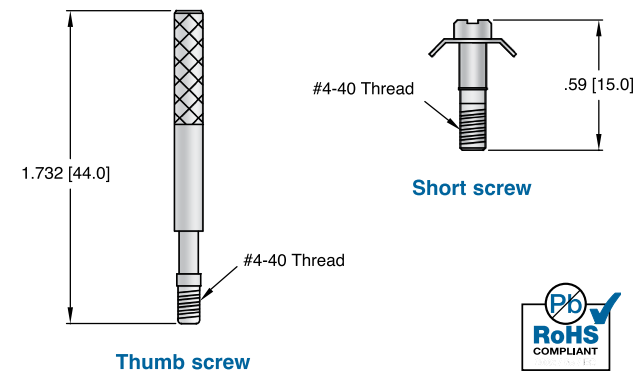
### BACKSHELLS DHD SERIES



#### ORDERING INFORMATION

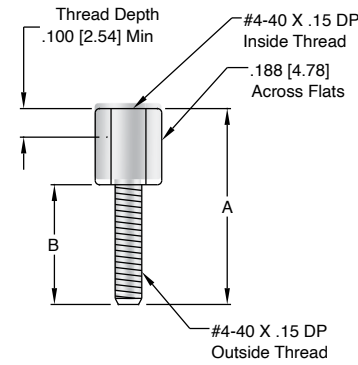
choose one from each category as shown in sample below

DE09-HD	PY	TS
Hood Size	Hood Color	Hardware
DE09-HD - 9P ood	PY - Gray Plastic	SS - Short Screw
DA15-HD - 15P ood	PB - Black Plastic	TS - Thumb Screw
DB25-HD - 25P ood	PN - Bright Chrome Plated Plastic	
DC37-HD - 37P ood		
DD50-HD - 50P ood	AL - Aluminum Cast	

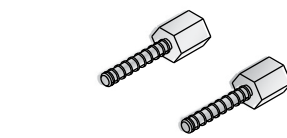


### HARDWARE & ACCESSORIES HDW SERIES

#### Jackscrews

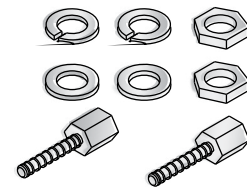


JACKSCREW DIMENSIONS		
PART NUMBER	A	B
JS-01	.416 [10.60]	.226 [5.70]
JS-02	.467 [11.86]	.270 [6.86]
JS-03	.500 [12.70]	.313 [7.95]
JS-04	.465 [11.81]	.226 [5.70]



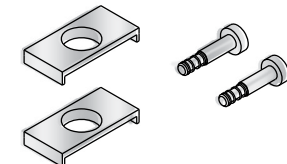
#### HDW-031

Set includes 2 #4-40 female jackscrews



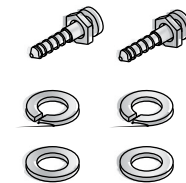
#### HDW-023

Set includes 2 #4-40 female jackscrews 2 flat washers, 2 split washers and 2 hex nuts



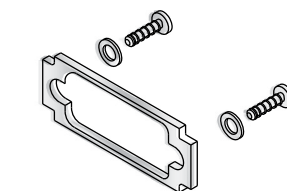
#### HDW-029

Screw lock kit includes 2 screw locks and 2 retainer screws



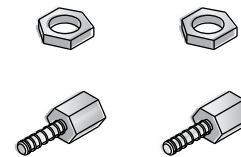
#### HDW-043A

Slide lock post set includes 2 posts, 2 washers and 2 lock-washers



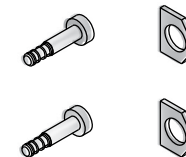
#### HDW-043-XX

Slide lock assembly kit includes slide lock, screws and washers, Specify 9, 15, 25 or 37 position



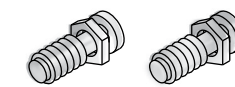
#### HDW-024

Set includes 2 #4-40 female jackscrews and 2 hex nuts



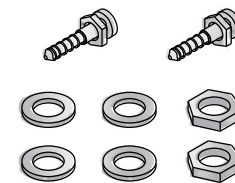
#### HDW-028

Screw retainer clip set includes 2 screw retainer clips and 2 retainer screws



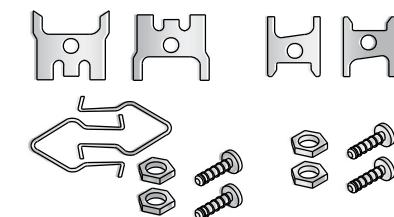
#### HDW-044

Sliding lock posts Set of 2



#### HDW-045

Slide lock post kit includes 2 posts, washers and hex nuts



#### HDW-041

Spring latch set includes 1 pair of spring latches with holding hardware and 1 pair of notch clips with holding hardware

Adam Tech Dual Port D-Sub connectors are a popular space saving interface for many I/O applications. Offered in 9, 15, 25, 37 and 50 positions they are a good choice for a low cost industry standard connection and are ideal for PCB space saving applications. These connectors are manufactured with precision stamped contacts and are available in a number of connector combinations including same and mixed gender, mixed density and mixed interface. Options include a choice of contact plating and a variety of mating, mounting and grounding options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Stacked space saving design
- Industry standard compatibility
- Durable metal shell design
- Precision formed contacts
- Variety of Mating and mounting options

#### MATING CONNECTORS:

Adam Tech D-Subminiatures and all industry standard D-Subminiature connectors.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, 30% glass reinforced, rated UL94V-0  
Insulator Color: Black

Contacts: Phosphor Bronze  
Shell: Steel, Tin or Zinc plated  
Hardware: Brass, Nickel plated

#### Contact Plating:

Gold over Nickel underplate on contact area.

#### Electrical:

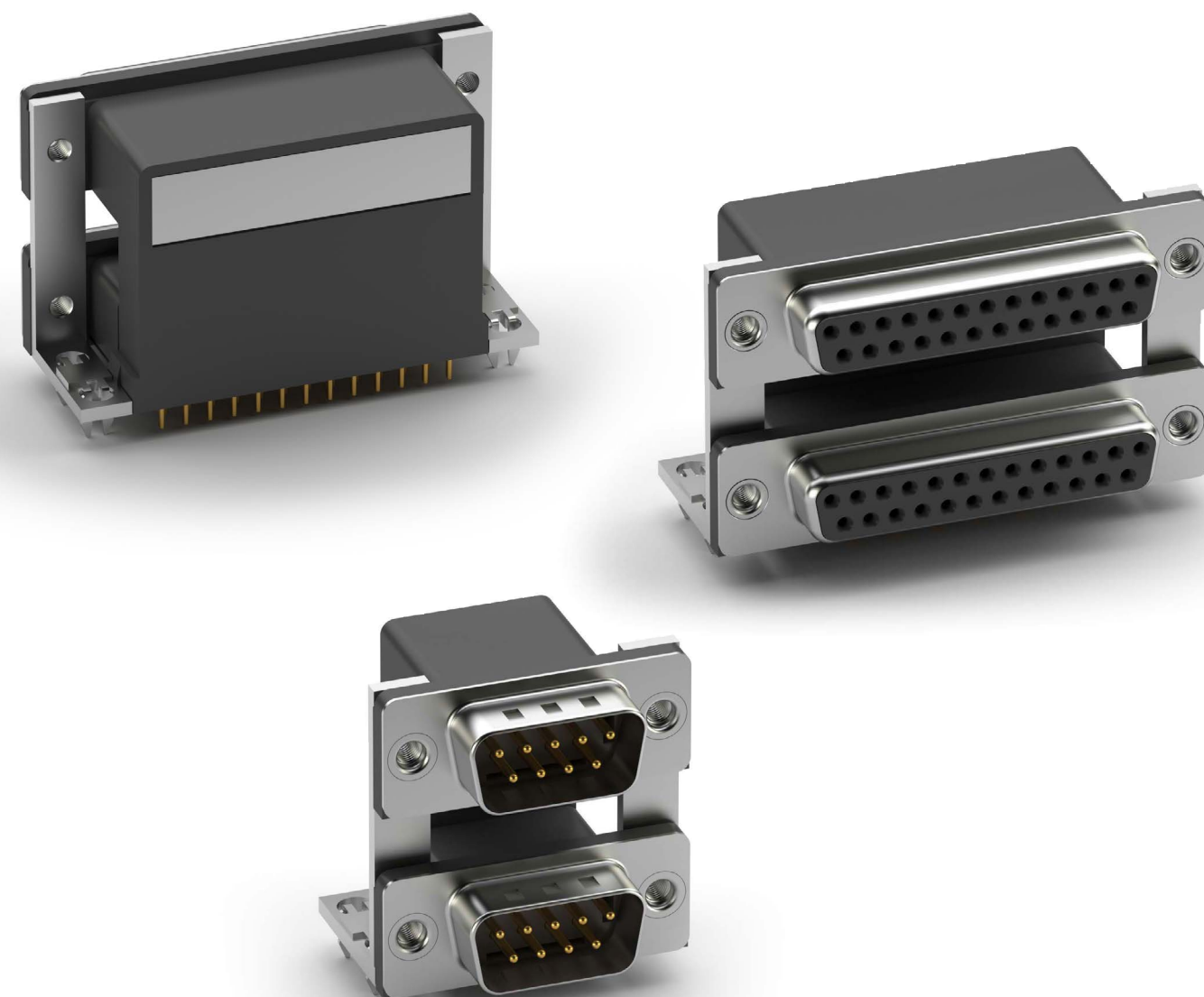
Operating voltage: 250V AC / DC max.  
Current rating: 5 Amps max.  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.75 lbs max  
Extraction force: 0.44 lbs min

#### Temperature Rating:

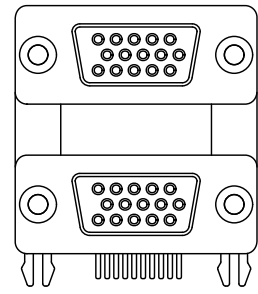
Operating temperature: -55°C to +105°C



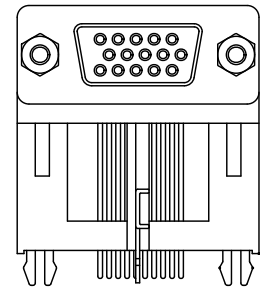
PART NUMBER CONFIGURATION					
DPD	09	- 00	- B	3	- JS
SERIES	POSITIONS	TOP / BOTTOM GENDER	PORT SPACING	MOUNTING OPTIONS	OPTIONS
DPD = Dual Port D-Sub	09 = 9 Position 15 = 15 Position 25 = 25 Position 37 = 37 Position 50 = 50 Position x/x = Mixed positions customer specified	10 = Plug top, receptacle bottom 11 = Plug top and bottom 01 = Receptacle top, plug bottom 00 = Receptacle top and bottom	A = .900" (Dim. "E") B = .750" (Dim. "E") C = .625" (Dim. "E")	1 = Through holes only 2 = #4-40 threaded holes 3 = Forked board locks	Add designator(s) to end of part number JS = #4-40 Jackscrews installed R = Rear boardlocks only

PART NUMBER	TYPE	POSITIONS	GENDER	PCB MOUNTING OPTIONS	PRODUCT DATA
DPD-09-00-B1	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>
DPD-09-00-B2	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>
DPD-09-00-B3	Dual Stacked, Right Angle	9	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-09-01-A3	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-09-01-B2	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	#4-40 Threaded Mounting Holes	<a href="#">View</a>
DPD-09-01-B3	Dual Stacked, Right Angle	9	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-09-10-B3	Dual Stacked, Right Angle	9	Plug Top / Receptacle Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-09-11-B3	Dual Stacked, Right Angle	9	Plug Top and Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-25-00-A3	Dual Stacked, Right Angle	25	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-25-00-B3	Dual Stacked, Right Angle	25	Socket Top and Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-25-01-B3	Dual Stacked, Right Angle	25	Socket Top / Plug Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-25-11-B3	Dual Stacked, Right Angle	25	Plug Top and Bottom (Dual Stacked)	Forked Board Locks	<a href="#">View</a>
DPD-XX-00-A1	Dual Stacked, Right Angle	Multiple Options	Socket Top and Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>
DPD-XX-01-A1	Dual Stacked, Right Angle	Multiple Options	Socket Top / Plug Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>
DPD-XX-10-X3	Dual Stacked, Right Angle	Multiple Options	Plug Top / Receptacle Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>
DPD-XX-11-A1	Dual Stacked, Right Angle	Multiple Options	Plug Top and Bottom (Dual Stacked)	Through Hole Mounting	<a href="#">View</a>

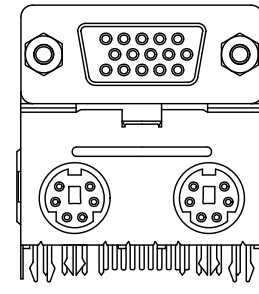
## DUAL PORT VARIATIONS DPD SERIES



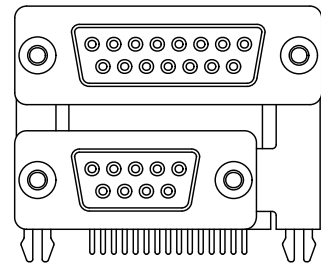
15P HD D-Sub over 15P HD D-Sub



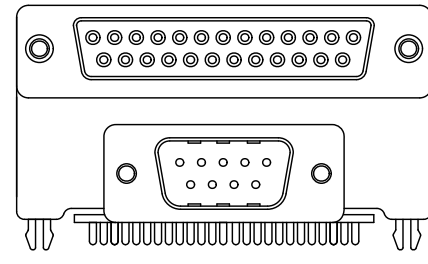
15P HD D-Sub Elevated



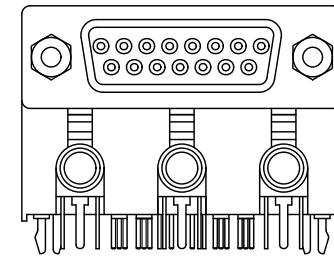
15P HD D-Sub over Dual Mini DINs



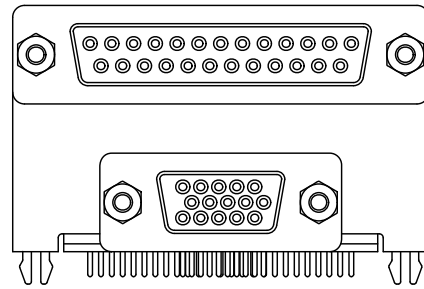
15P D-Sub over 9P D-Sub



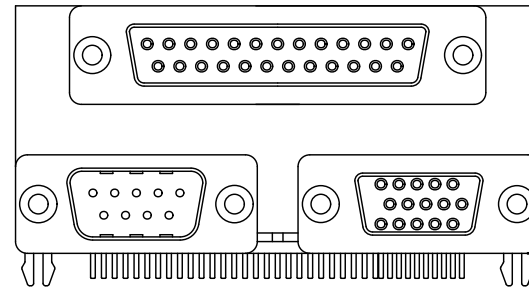
25P D-Sub over 9P D-Sub



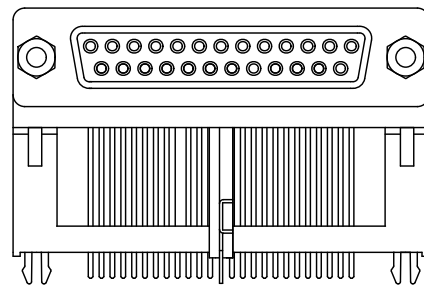
15P D-Sub over Ganged Stereo Jacks



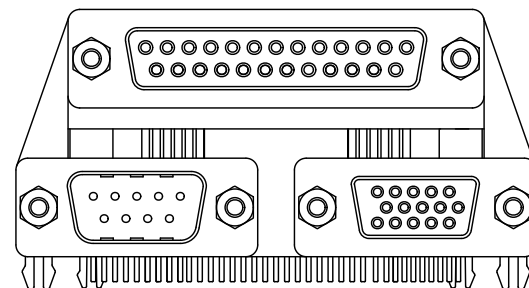
25P D-Sub over HD 15P D-Sub



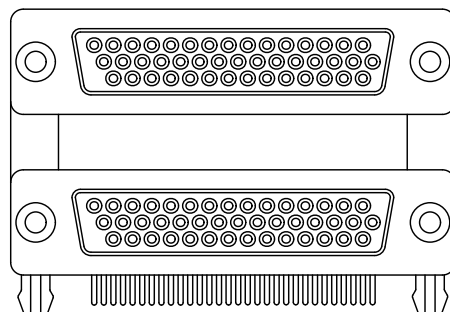
25P D-Sub over 9P D-Sub & HD 15P D-Sub



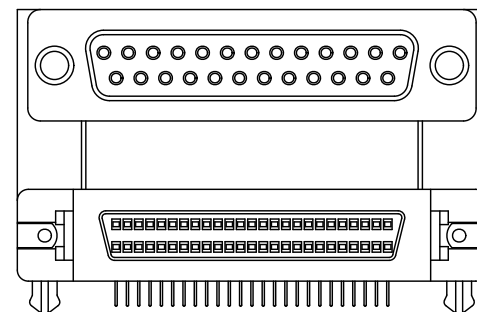
25P D-Sub Elevated



25P D-Sub over 9P D-Sub & HD 15P D-Sub



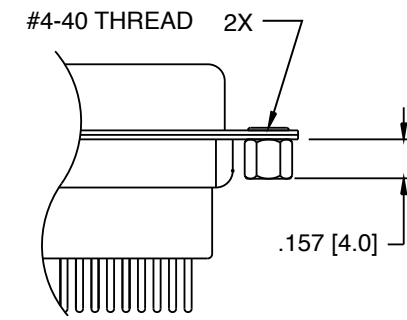
44P HD D-Sub over 44P HD D-Sub



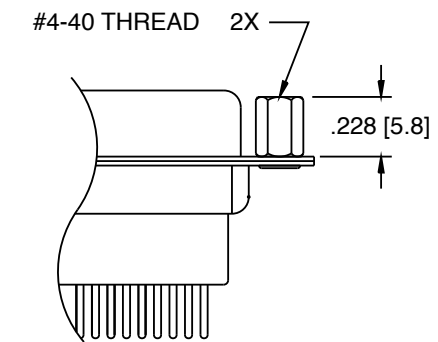
25P D-Sub over 50P SCSI II

## HIGH PROFILE STRAIGHT PCB TAIL

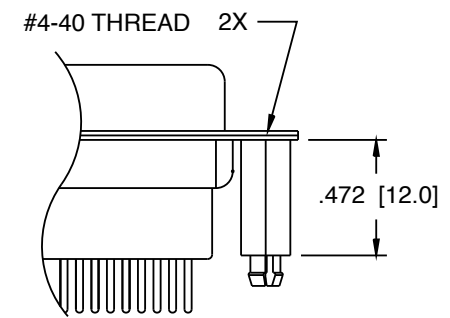
### MOUNTING OPTIONS



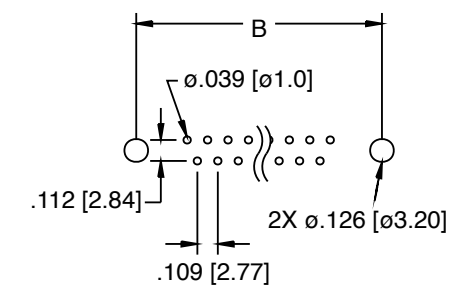
**SL Option**  
Bottom side riveted #4-40  
Clinch Nuts



**JS Option**  
Top side riveted #4-40  
Jack Screws



**BL Option**  
#4-40 Threaded Boardlocks



**Recommended PCB Layout**

# Flex Circuit Connectors

LIF FLEX CIRCUIT CONNECTORS (LOW INSERTION FORCE)

Adam Tech PCB Series Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC) connectors are a LIF (low insertion force) design that provides a low cost, fast, easy and reliable connection of flexible printed circuits to a PCB. Adam Tech's special contact design preserves conductor integrity while producing a stable, high pressure connection. This series includes single and dual row versions in 2.54mm, 1.25mm, 1.00mm & 0.50mm centerlines with vertical or horizontal orientations.

## FEATURES & SPECIFICATIONS

### FEATURES:

Superior contact design protects conductors  
High pressure contacts  
Single or dual row versions  
Choice of 2.54mm, 1.25mm, 1.00mm & 0.50mm centerlines

### MATING FPC & FFC CABLE:

Mates with flat flexible cable and flexible printed circuits with thickness of 0.3mm

### PACKAGING:

Anti-ESD plastic tubes or trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, Glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator color: Black  
Contacts: Phosphor Bronze

### Contact Plating:

Tin over copper underplate

### Electrical:

Operating voltage: 100V AC max.  
Current rating: .039" Spacing: 0.5 Amp max.  
.049" Spacing: 1 Amp max  
.100" Spacing: 3 Amps max

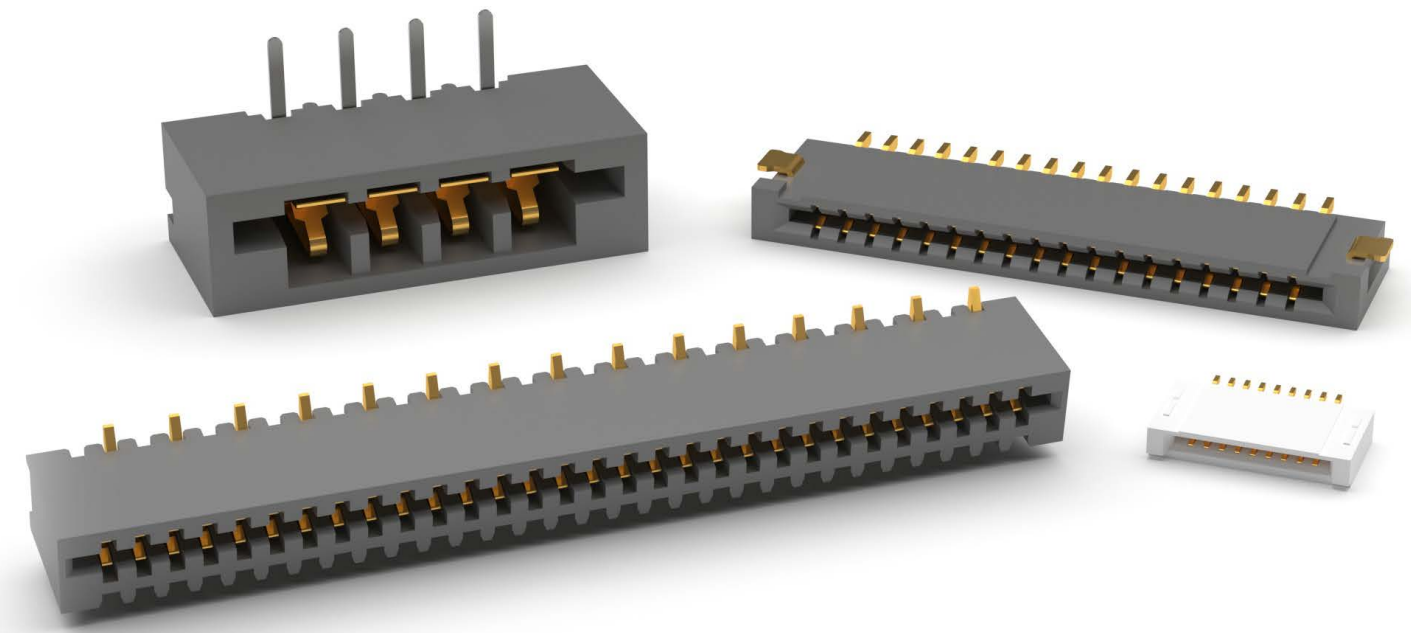
Contact resistance: 30 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 500V AC for 1 minute

### Mechanical:

Insertion Force: 5 oz max  
Withdrawal Force: 3 oz min

### Temperature Rating:

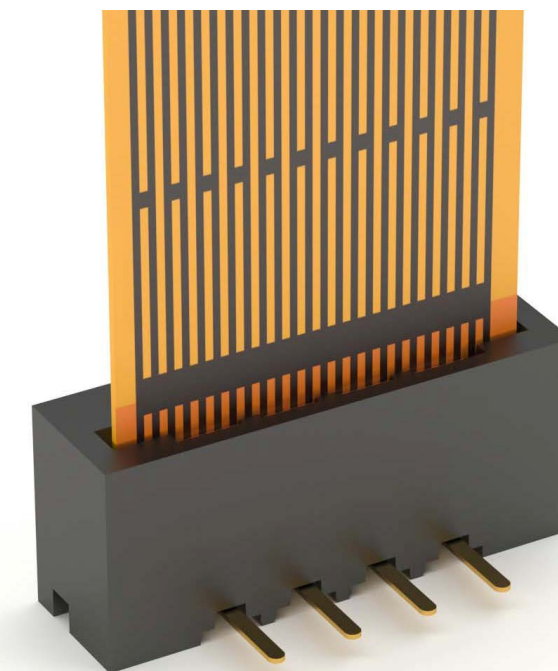
Operating temperature: -40°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C



PART NUMBER	CENTERLINE	ENTRY ANGLE	PLATING	PRODUCT DATA
<a href="#">PCB-B-XX-SA-25</a>	1.25mm	Side Entry	Tin	<a href="#">View</a>
<a href="#">PCB-B-XX-T-25</a>	1.25mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-09-T-SMT</a>	1.00mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-12-SA-20</a>	1.00mm	Side Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-18-SA-SMT</a>	1.00mm	Side Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-18-T-20</a>	1.00mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-XX-SA-20</a>	1.00mm	Side Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-XX-T-20</a>	1.00mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-XX-T-SMT</a>	1.00mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C-XX-T-SMT-SG</a>	1.00mm	Top Entry	Tin	<a href="#">View</a>
<a href="#">PCB-C5-XX-SA-SMT</a>	1.00mm	Side Entry	Tin	<a href="#">View</a>

## PART NUMBER CONFIGURATION

SERIES	TYPE	POSITIONS	ENTRY ANGLE	ROW SPACING	OPTIONS
<b>PCB</b> = LIF Flex Circuit Connector	<b>A</b> = 2.54mm centerline in-line footprint <b>B</b> = 1.25mm centerline staggered footprint <b>C</b> = 1.00mm centerline staggered footprint <b>D</b> = 1.00mm centerline inline footprint <b>E</b> = 0.50mm centerline horizontal SMT	<b>02</b> thru <b>21</b>	<b>T</b> = Top entry <b>SA</b> = Side entry <b>SB</b> = Reverse side entry (.100" centerline only)	Blank = Single Row <b>20</b> = 2.00mm PCB Row Spacing (Type C) <b>25</b> = 2.5mm PCB Row Spacing (Type B) <b>SMT</b> = Surface Mount (Type B, C)	Add designator(s) to end of part number <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C







Adam Tech EB Series Euro Blocks are a broad range of PCB mounted blocks in various sizes and profiles with pitches ranging from 3.50mm up to 15.00mm. Included are types that have wire entry from Top, Side, or Side Angle. Two piece 'pluggable' versions and 'Lever Actuated' styles are also available. Each contains a unique wire guard design and is precision manufactured for smooth operation and ease of use.

### FEATURES & SPECIFICATIONS

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E333935

#### SPECIFICATIONS:

##### Material:

Insulator: PBT or Nylon, glass reinforced, rated UL94V-0

Insulator Color: Green, Black (Blue and Gray optional)

Metal cage: Brass, tin plated

Screw: Steel, Galvanized or Chromatized

Wire Guard: Stainless Steel, Tin plated

##### Electrical:

Operating voltage: 250V AC max.

Current rating: 7 to 15 Amp max

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1500V AC for 1 minute

##### Mechanical:

Recommended wire size:

EBC & EBF Series: 16 to 26 Awg

EBA, EBB, EBD, EBE, & EBJ Series: 14 to 22 Awg

EBH & EBP Series: 12 to 24 Awg

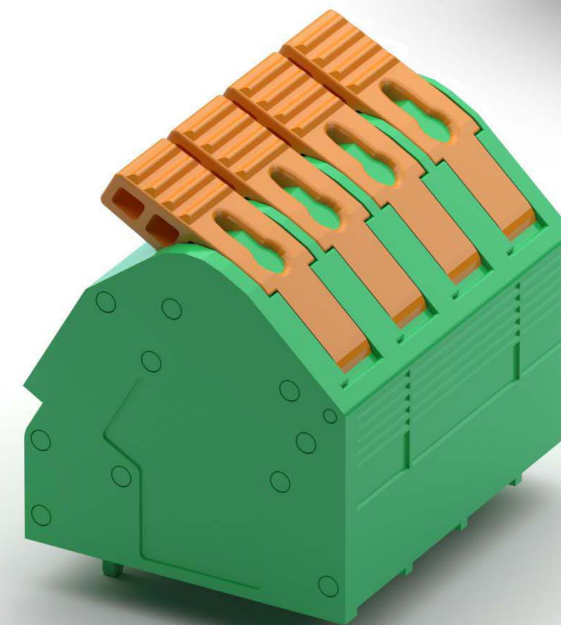
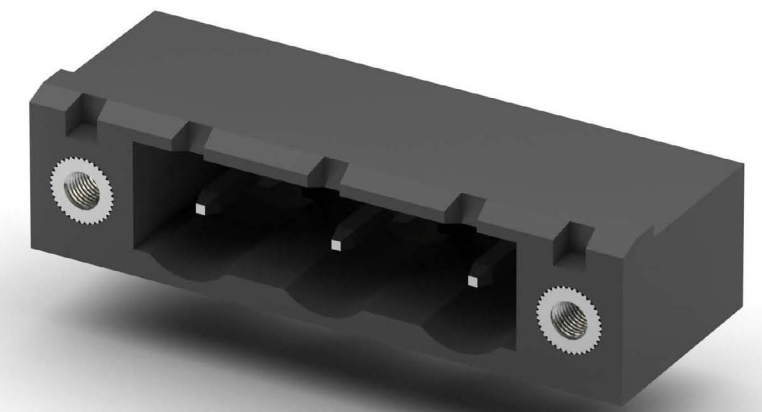
EB108 Series: 18 to 24 Awg

EB109 Series: 10 to 24 Awg

Mating durability: 500 Cycles min.

##### Temperature Rating:

Operating temperature: -55°C to +105°C



### PART NUMBER CONFIGURATION

EBA	-	02	-	A	-	C
SERIES		NO. OF POLES		CENTERLINE SPACING		OPTIONS:
<b>EBA</b> = .492" Straight		<b>02 thru 24</b>		<b>A</b> = .138" [3.50mm]		Add designator(s) to end of part number <b>C</b> = Closed sides, body styles EBP & EBQ <b>E</b> = Mounting ears, body styles EBH & EBK
<b>EBB</b> = .394" Straight			<b>B</b> = .150" [3.81mm]			
<b>EBC</b> = .327" Straight			<b>C</b> = .197" [5.00mm]			
<b>EBD</b> = .354" Right Angle			<b>D</b> = .200" [5.08mm]			
<b>EBE</b> = .295" Right Angle			<b>E</b> = .276" [7.00mm]			
<b>EBF</b> = .275" Right Angle			<b>G</b> = .300" [7.62mm]			
<b>EBG</b> = .472" Angled			<b>H</b> = .394" [10.00mm]			
<b>EBH</b> = .590" Pluggable			<b>J</b> = .400" [10.16mm]			
<b>EBJ</b> = .433" Pluggable			<b>K</b> = .591" [15.00mm]			
<b>EBK</b> = .440" Pluggable			<b>S</b> = .374" [9.50mm]			
<b>EBP</b> = Pin Header, Straight						
<b>EBQ</b> = Header, Right Angle						
<b>EBR</b> = Pin Header, Straight						
<b>EBS</b> = Header, Right Angle						
<b>EBT</b> = Pin Header, Straight						
<b>EBV</b> = Pin Header, Straight						
<b>EBW</b> = .335" Straight						
<b>EBV2</b> = Stacked Euro Blocks						
<b>EB108</b> = .342" Straight						
<b>EB109</b> = .850" Straight						

#### STANDARD BODY COLORS:

**Black:** Series EBA, EBB, EBC, EBD, EBE, EBF, EBG, EBJ, EBT

**Green:** Series EBH, EBP, EBQ, EBK, EBR, EBS, EBV, EBM, EBN, EBW, TSE, EB108, EB109

Consult factory for additional colors



### Euro Block Headers

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB3-02-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EB3-02-B-180	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EB3-03-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EB3-03-B-180	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EB3-04-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EB3-04-B-180	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EB3-05-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EB3-05-B-180	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBPA-02-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-02-C-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-02-D	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-02-D-C	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-03-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-03-C-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-03-D	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-03-D-C	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-04-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-04-C-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-04-D	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBPA-04-D-C	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-05-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-05-C-C	Headers	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBPA-05-D	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBPA-05-D-C	Headers	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBQA-02-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-02-C-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-02-D	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-02-D-C	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-03-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-03-C-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-03-D	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-03-D-C	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-04-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-04-C-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-04-D	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-04-D-C	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-05-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBQA-05-C-C	Headers	.197" [5.00mm]	Right Angle	<a href="#">View</a>

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBQA-05-D	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBQA-05-D-C	Headers	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBRA-02-A	Headers	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBRA-02-B	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBRA-03-A	Headers	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBRA-03-B	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBRA-04-A	Headers	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBRA-04-B	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBRA-05-A	Headers	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBRA-05-B	Headers	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBSA-02-A	Headers	.138" [3.50mm]	Right Angle	<a href="#">View</a>
EBSA-02-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EBSA-03-A	Headers	.138" [3.50mm]	Right Angle	<a href="#">View</a>
EBSA-03-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EBSA-04-A	Headers	.138" [3.50mm]	Right Angle	<a href="#">View</a>
EBSA-04-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>
EBSA-05-A	Headers	.138" [3.50mm]	Right Angle	<a href="#">View</a>
EBSA-05-B	Headers	.150" [3.81mm]	Right Angle	<a href="#">View</a>

### Euro Block Plugs & Sockets

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EB9A-02-C	Plugs and Sockets	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EB9A-02-D	Plugs and Sockets	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EB9A-03-C	Plugs and Sockets	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EB9A-03-D	Plugs and Sockets	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EB9A-04-C	Plugs and Sockets	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EB9A-04-D	Plugs and Sockets	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EB9A-05-C	Plugs and Sockets	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EB9A-05-D	Plugs and Sockets	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBAA-02-C	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBAC-02-C	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBAC-03-C	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBAFA-02-D	Wire to Board	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBAG-02-C	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBAG-02-M	Wire to Board	.295" [7.50mm]	Right Angle	<a href="#">View</a>
EBAG-03-C	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBAG-03-M	Wire to Board	.295" [7.50mm]	Right Angle	<a href="#">View</a>
EBB-02-D-BL	Wire to Board	.200" [5.08mm]	Right Angle	<a href="#">View</a>
EBB-05-D-BL	Wire to Board	.200" [5.08mm]	Right Angle	<a href="#">View</a>

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBBA-02-C-SS-BU	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBBA-03-C-SS-BU	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBBA-04-C-SS-BU	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBBA-05-C-SS-BU	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBBA-06-C-SS-BU	Wire to Board	.197" [5.00mm]	Right Angle	<a href="#">View</a>
EBG-02-D	Wire to Board	.200" [5.08mm]	45° Angle	<a href="#">View</a>
EBHA-02-C	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBHA-02-D	Plugs and Sockets	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBHA-03-C	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBHA-03-D	Plugs and Sockets	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBHA-04-C	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBHA-04-D	Plugs and Sockets	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBHA-05-C	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBHA-05-D	Plugs and Sockets	.200" [5.08mm]	Vertical	<a href="#">View</a>
EBJA-02-C-BK	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBJA-03-C-BK	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBJA-04-C-BK	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBJA-05-C-BK	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>

PART NUMBER	TYPE	CENTERLINE	ORIENTATION	DATA SHEET
EBJA-06-C-BK	Plugs and Sockets	.197" [5.00mm]	Vertical	<a href="#">View</a>
EBKA-02-A	Plugs and Sockets	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBKA-02-B	Plugs and Sockets	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBKA-03-A	Plugs and Sockets	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBKA-03-B	Plugs and Sockets	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBKA-04-A	Plugs and Sockets	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBKA-04-B	Plugs and Sockets	.150" [3.81mm]	Vertical	<a href="#">View</a>
EBKA-05-A	Plugs and Sockets	.138" [3.50mm]	Vertical	<a href="#">View</a>
EBKA-05-B	Plugs and Sockets	.150" [3.81mm]	Vertical	<a href="#">View</a>

Adam Tech ICS Series IC Sockets are a low profile, dual row design available in .100" centerline pin spacing with .300" or .600" row spacing. Our ISD Series are fine pitched sockets on 0.070" centerlines with .300" or .600" row spacing. All Adam Tech sockets are manufactured with our exclusive single beam dual wipe contact design which produces a high pressure wiping action for superior connectivity. In addition to an internal contact stop which prevents over stressing of the contact, each has a wide lead in to eliminate mis-mating and a closed bottom anti-solder wicking design.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- High Pressure Contacts
- Single Beam, Dual Wipe Contacts
- Anti-Solder Wicking design
- Machine Insertable
- Dual Row
- Low Profile

#### MATING COMPONENTS:

All industry standard components with DIP leads

#### PACKAGING:

Anti-ESD plastic tubes

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, Glass reinforced, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

##### Contact Plating:

Tin over copper underplate overall

##### Electrical:

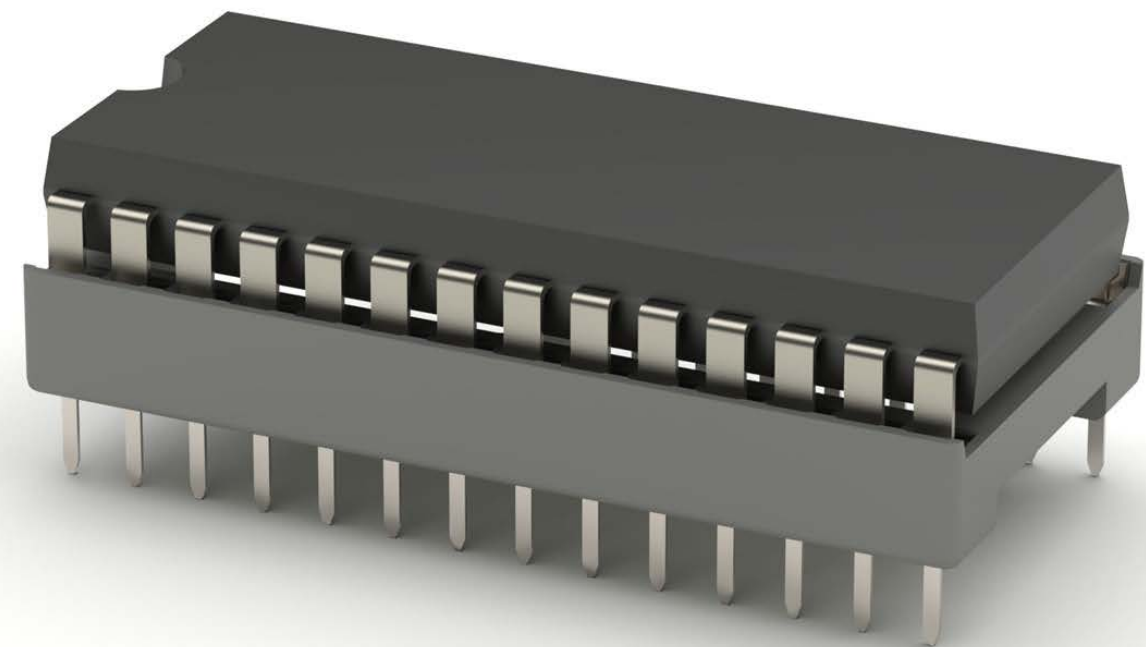
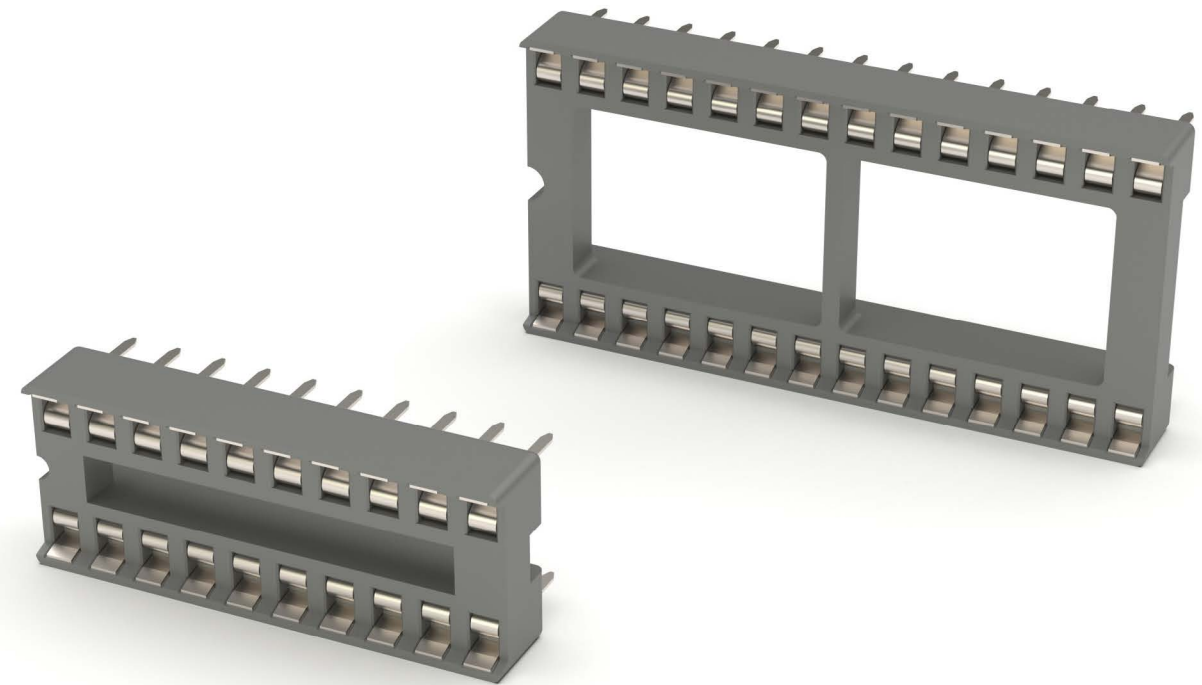
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

Insertion force: 11.5 oz max with .024" X .006" leads  
 Withdrawal force: 0.85 oz min with .024" X .006" leads

##### Temperature Rating:

Operating temperature: -55°C to +85°C  
 Soldering process temperature:  
     Standard insulator: 235°C  
     Hi-Temp insulator: 260°C



### PART NUMBER CONFIGURATION

ICS	-	6	-	28	-	T
SERIES		ROW SPACING		POSITIONS		PLATING
ICS = .100" IC Socket ISD = .070" Shrink Socket		3 = .300" row spacing Positions: 06, 08, 14, 16, 18, 20, 22, 24, 28 6 = .600" row spacing Positions: 24, 28, 32, 40, 42, 48		06 thru 48		T = Tin plated

PART NUMBER	CENTERLINE	ROW SPACING	TYPE	POSITIONS	PRODUCT DATA
ICS-3XX-T	.100" Centerline	.300" Row Spacing	Dual Row	6	<a href="#">View</a>
ICS-6XX-T	.100" Centerline	.600" Row Spacing	Dual Row	24	<a href="#">View</a>
ISD-3XX-T	.070" Centerline	.300" Row Spacing	Dual Row	6	<a href="#">View</a>
ISD-642-T	.070" Centerline	.600" Row Spacing	Dual Row	24	<a href="#">View</a>

RCA Jacks are a popular choice for audio and visual output in electronic equipment applications. This series offers a multitude of jacks intended to satisfy most audio and visual applications. This series offers choices of panel, PCB, and chassis mounting in single, dual, stacked and color coded versions with a number of shell plating options. RCA jacks are precision engineered to provide intermatability and balance to a broad range of industry standard plugs. Manufactured with high quality UL94V-0 ABS plastic these jacks are an excellent choice for most audio and visual applications.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Wide range of colors
- Multiple port versions
- Various body styles
- Industry Standard compatibility

### MATING PLUGS:

All industry standard RCA plugs.

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

- Standard insulator: ABS or PBT glass filled, rated UL94-HB
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Colors: Red, Black, Yellow, White
- Bushing: Brass, Nickel plated, (Gold optional)
- Contacts: Brass

### Contact Plating:

Tin or Silver over Copper underplate

### Electrical:

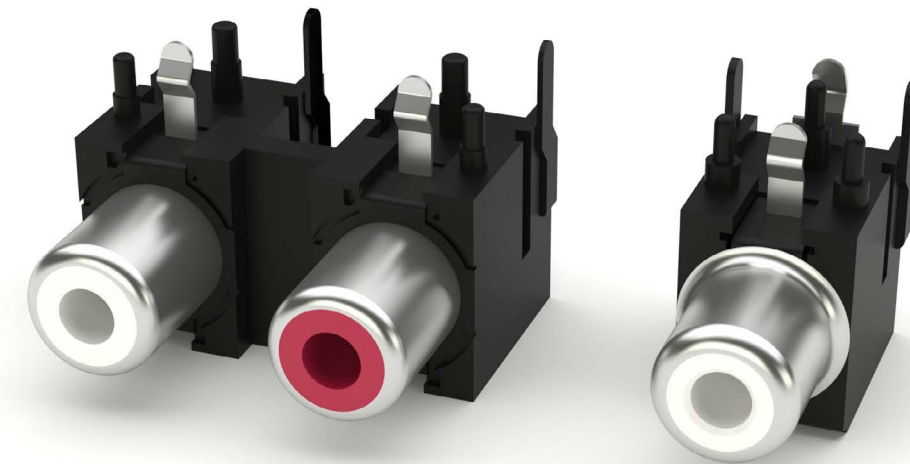
- Operating voltage: 12V DC max.
- Current rating: 1 Amp max.
- Contact resistance: 30 mΩ max. initial
- Insulation resistance: 100 MΩ min.
- Dielectric withstanding voltage: 500V AC for 1 minute

### Mechanical:

- Insertion force: 6.6 lbs max.
- Withdrawal force: 1.7 lbs min
- Mating durability: 5000 cycles min.

### Temperature Rating:

- Operating temperature: -25°C to +85°C
- Soldering process temperature:
  - Standard insulator: 235°C
  - Hi-Temp insulator: 260°C



PART NUMBER	MOUNTING ORIENTATION	PORTS	PRODUCT DATA
RCA-1-1-X	Right Angle Thru Hole	1 x 1	<a href="#">View</a>
RCA-10B-4-RW	Right Angle Thru Hole	2 x 2	<a href="#">View</a>
RCA-10B-4-WR	Right Angle Thru Hole	2 x 2	<a href="#">View</a>
RCA-10C-4-RRBB	Right Angle Thru Hole	2 x 2	<a href="#">View</a>
RCA-2-X-X	Right Angle Thru Hole	1 x 1	<a href="#">View</a>
RCA-3-1-X	Right Angle Thru Hole	1 x 1	<a href="#">View</a>
RCA-34-1-R-W	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-34-1-W-R	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-34-1-Y-Y	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-4-1-X	Vertical Thru Hole	1 x 1	<a href="#">View</a>
RCA-43-4-B-R	Right Angle Thru Hole	1 x 2	<a href="#">View</a>
RCA-43-4-W-B	Right Angle Thru Hole	1 x 2	<a href="#">View</a>
RCA-55-1-YWR	Right Angle Thru Hole	3 x 1	<a href="#">View</a>
RCA-56-4-R-W-Y	Right Angle Thru Hole	3 x 2	<a href="#">View</a>
RCA-56-4-WR	Right Angle Thru Hole	3 x 2	<a href="#">View</a>
RCA-57-1-WR	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-57-2-RW	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-58-4-WR	Right Angle Thru Hole	2 x 2	<a href="#">View</a>
RCA-6A-1-RW	Right Angle Thru Hole	2 x 1	<a href="#">View</a>
RCA-7-2-YWR	Right Angle Thru Hole	3 x 1	<a href="#">View</a>
RCA-7C-1-GBLR-Y	Right Angle Thru Hole	3 x 1	<a href="#">View</a>
RCA-8-4-RR-G	Right Angle Thru Hole	1 x 2	<a href="#">View</a>
RCA-8-4-WR	Right Angle Thru Hole	1 x 2	<a href="#">View</a>
RCA-8S-4-RW-W-G	Right Angle Thru Hole	1 x 2	<a href="#">View</a>

## PART NUMBER CONFIGURATION

RCA	-	2	-	3	-	B	-	G
SERIES	BODY STYLE	CIRCUIT TYPE	COLOR	OPTIONS:				
RCA = RCA Jack	1 thru 11	1 thru 4	<b>B</b> = Black <b>R</b> = Red <b>W</b> = White <b>Y</b> = Yellow  <b>GANGED:</b> <b>X/X</b> = Left / Right Color <b>X/X/X</b> = Left / Center / Right Color	Add designator(s) to end of part number <b>G</b> = Gold plated barrels <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C				

Adam Tech's Memory Connector and Sockets Series is a complete range of memory sockets for most memory card applications including Compact Flash, PCMCIA, Memory Stick and Secure Digital. Our advanced designs are focused on their ease of use, mating accuracy, card retention and life cycle. Precision engineered, extremely durable mating contacts and PCB leads contribute to a solid, high reliability, long life design.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Multitude of sockets to satisfy most applications
- Precision, compact designs
- Fine pitched, heavy duty contacts
- Sockets conform to CFA, JEIDA, PCMCIA & JEDEC

### MATING OPTIONS:

All industry standard memory cards

### SPECIFICATIONS:

#### Material:

Insulator: PA9 or LCP, glass reinforced, rated UL94V-0

Contacts: Phosphor bronze

Frame / shield: Brass, nickel plated

#### Contact Plating:

Contact area: Gold over nickel underplate

Solder tails: Tin over copper underplate

#### Electrical:

Operating voltage: 250V AC max

Current rating range: 0.5 to 1 Amps max

Contact resistance: 40 mΩ max. initial

Insulation resistance: 1000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 10,000 cycles min.

#### Temperature Rating:

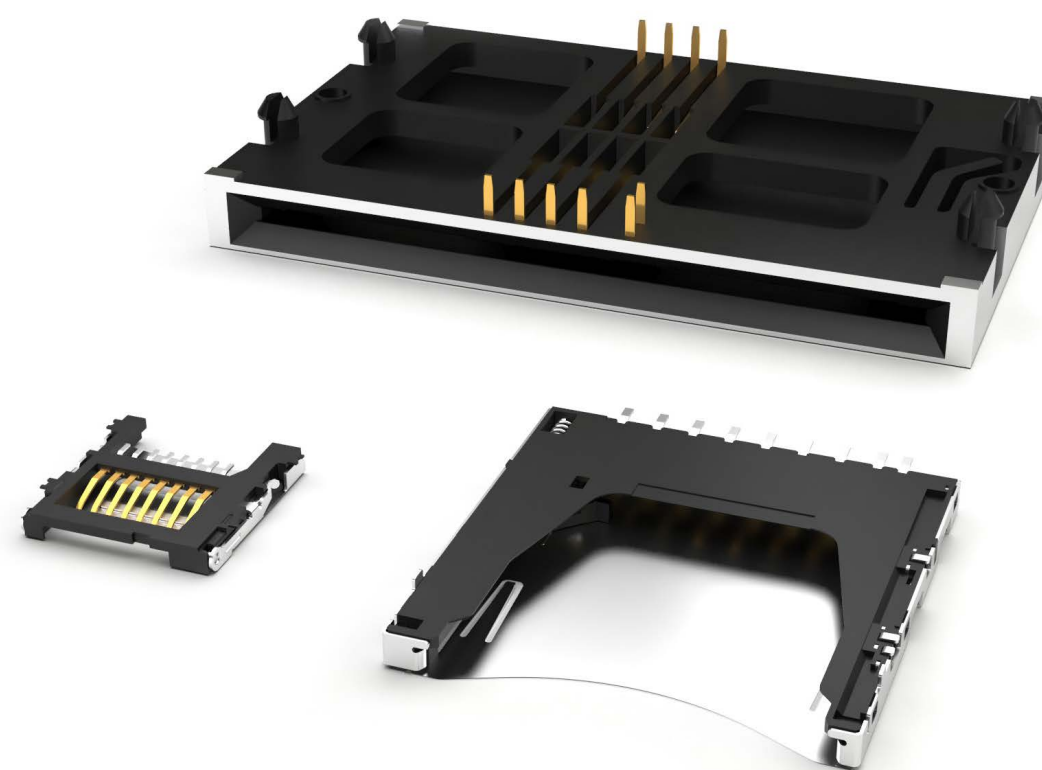
Operating temperature range: -20°C to +85°C

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



## PART NUMBER CONFIGURATION

MS	- 10 -	A -	SG -	NP
SERIES	POSITIONS	TYPE	PLATING	OPTIONS
<b>MS</b> = Memory Stick (Normal Type) <b>MMSP</b> = Micro Memory Stick (Push-Push Type) <b>SD</b> = Secure Digital <b>SDM</b> = Secure Digital (Metal Cover) <b>SDP</b> = Secure Digital (Push-Push Type) <b>SDP-17</b> = Secure Digital eXtended Capacity (SD 4.0, UHS-II) (Push-Push Type) <b>MSD</b> = MiniSecure Digital (Standard Type) <b>MSDPR</b> = MiniSecure Digital (Push-Push Type) (Reverse Type) <b>MCSP</b> = Micro Secure Digital (Push-Push Type) <b>MCSP-16</b> = Secure Digital eXtended Capacity (SD 4.0, UHS-II) (Push-Push Type) <b>CF</b> = Compact Flash <b>CFA</b> = Compact Flash (Standard Type) <b>CFS</b> = Compact Flash Socket <b>CF1</b> = Compact Flash, Type 1 <b>CFE</b> = Compact Flash, Ejector <b>CFR</b> = Compact Flash (Reverse Type) <b>SCC</b> = Sim Card Socket <b>MSCC</b> = MicroSim Card Socket <b>MSCCP</b> = MicroSim Card Socket (Push-Push Type)		<b>A</b> = Type A <b>B</b> = Type B <b>C</b> = Type C	<b>SG</b> = Selective Gold plating in contact area and Tin plating on tails	Add designator(s) to end of part number <b>T/R</b> = Tape & Reel packaging <b>SMT</b> = Surface Mount Leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>NP</b> = No Peg <b>SW</b> = Switch = Card Detect = CD

PART NUMBER	TYPE	PRODUCT DATA
<a href="#">CF-50-C-SG-N</a>	Compact Flash	<a href="#">View</a>
<a href="#">CF-50-E-SG-2</a>	Compact Flash	<a href="#">View</a>
<a href="#">MMSP-11-A-SG</a>	Memory Stick	<a href="#">View</a>
<a href="#">MSCC-A-08-G-15-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCC-B-06-G-15-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCC-C-06-G-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCC-C-08-G-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCC-D-08-G-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCCP-A-06-SG-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCCP-A1-06-SG-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCCP-B-06-G-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCCP-D-06-SG-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSCCP-D-08-SG-SW-TR</a>	Micro SIM Card Socket	<a href="#">View</a>
<a href="#">MSD-11-A-SG</a>	Mini Secure Digital	<a href="#">View</a>
<a href="#">MSDPR-11-C-SG</a>	Mini Secure Digital	<a href="#">View</a>
<a href="#">NSCC-A2-06-G-SMT-TR</a>	Nano SIM Card Socket	<a href="#">View</a>
<a href="#">NSCC-C-06-G-SMT-SW-TR</a>	Nano SIM Card Socket	<a href="#">View</a>
<a href="#">NSCCP-D-06-G-SMT-SW-TR</a>	Nano SIM Card Socket	<a href="#">View</a>
<a href="#">SCC-A3-08-SG-HC-TR</a>	SIM Card Socket	<a href="#">View</a>
<a href="#">SCC-K-06-SGM-SMT-B-TR</a>	SIM Card Socket	<a href="#">View</a>
<a href="#">SCC-Q1-06-G-SMT-TR</a>	SIM Card Socket	<a href="#">View</a>
<a href="#">SDP-09C-SG</a>	Secure Digital	<a href="#">View</a>
<a href="#">SDP-09M-SG-TR</a>	Secure Digital	<a href="#">View</a>
<a href="#">SDP-09N-G-TR</a>	Secure Digital	<a href="#">View</a>

Adam Tech's standard offering of Circular DIN Connectors provides interconnect solutions to a broad range of applications. These connectors are offered in 3-8 positions, and in various styles and configurations. Other options include PCB pin or solder eyelet termination, straight or right angle orientation, and shielded or unshielded.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wide range of styles  
Offered in 3 thru 13 positions  
Standard and shielded versions available  
Excellent for Low Level signal applications

#### MATING PLUGS:

All industry standard circular DIN plugs.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT glass filled, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator Color: Black  
Contacts: Brass

Shield: Copper Alloy, Bright Nickel plated  
Contact Plating:  
Tin over Copper underplate overall

##### Electrical:

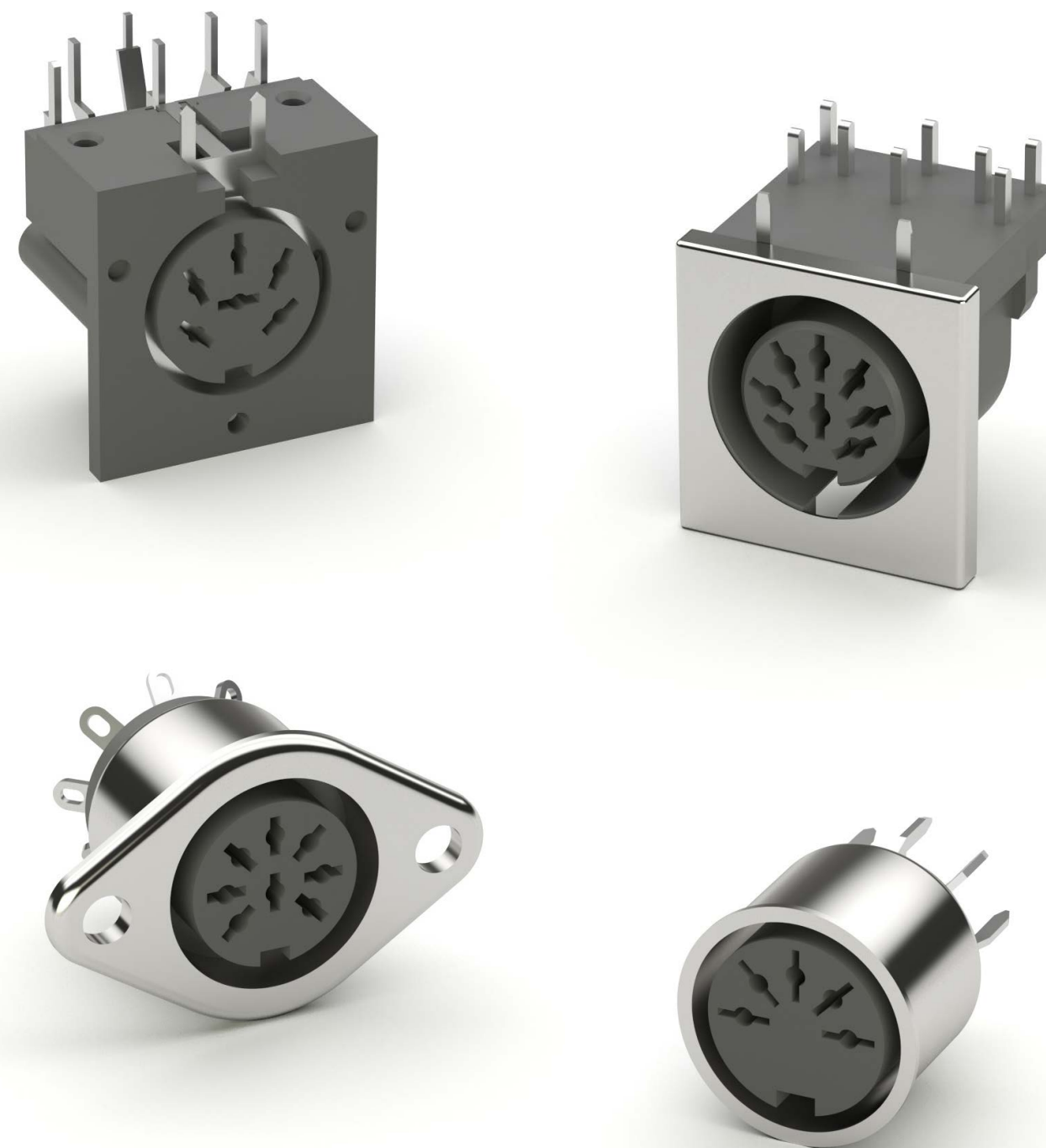
Operating voltage: 20V DC max.  
Current rating: 2 Amps max  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

Insertion force: 15 lb max.  
Withdrawal force: 0.8 lb min  
Mating durability: 5000 cycles min.

##### Temperature Rating:

Operating temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C



### RIGHT ANGLE PC BOARD MOUNT PART NUMBER CONFIGURATION

DJ	-	005	-	S
<b>SERIES</b>		<b>POSITIONS</b>		<b>FOOTPRINT/SHIELDING</b>
<b>DJ</b> = Right Angle, PC board mount Din Jack		3P thru 13P shown as <b>003</b> thru <b>013</b>		Blank = Non-shielded, 10mm centerline front pins .5 = Non shielded 5mm centerline front pins S = Metal shield, 10mm centerline front pins S.5 = Metal shield, 5mm centerline front pins

### STRAIGHT PC BOARD MOUNT AND PANEL MOUNT VERSIONS PART NUMBER CONFIGURATION

DJN	-	005	-	A
<b>SERIES</b>		<b>POSITIONS</b>		<b>TERMINATION</b>
<b>DJP</b> = Panel mount w/ Mounting Flange <b>DJN</b> = Barrel type straight PCB mount		3P thru 13P shown as <b>003</b> thru <b>013</b>		<b>A</b> = Solder eyelet <b>B</b> = PCB pin

PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	TERMINATION	SHIELDING	PRODUCT DATA
<a href="#">DJ-00X-5</a>	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Non Shielded, 5mm Centerline Front Pins	<a href="#">View</a>
<a href="#">DJ-00X-S</a>	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Shielded, 10mm Centerline Front Pins	<a href="#">View</a>
<a href="#">DJ-00X-S5</a>	Receptacle	Right Angle, PCB Mount	3	PCB Pins	Shielded, 5mm Centerline Front Pins	<a href="#">View</a>
<a href="#">DJN-00X-A</a>	Receptacle	Straight PCB Mount	3	Solder Eyelet		<a href="#">View</a>
<a href="#">DJN-00X-D</a>	Receptacle	Straight PCB Mount	3	PCB Pins		<a href="#">View</a>
<a href="#">DJP-00XA-A</a>	Receptacle	Straight Panel Mount	3	Solder Eyelet		<a href="#">View</a>
<a href="#">DJP-00XA-B</a>	Receptacle	Straight Panel Mount	3	PCB Pins		<a href="#">View</a>

Adam Tech's line of Mini DIN Connectors are ideal for applications with capacity constraints. The small size receptacles are offered in 3-9 positions, and in various styles and configurations. Other options include mounting, orientation, termination, and shielding options. Mini DIN plugs are available to seamlessly mate with the line of receptacles.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wide range of styles  
Offered in 3 thru 13 positions  
Standard and shielded versions available  
Excellent for Low Level signal applications

#### MATING PLUGS:

All industry standard circular DIN plugs.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT glass filled, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator Color: Black  
Contacts: Brass

Shield: Copper Alloy, Bright Nickel plated  
Contact Plating:  
Tin over Copper underplate overall

##### Electrical:

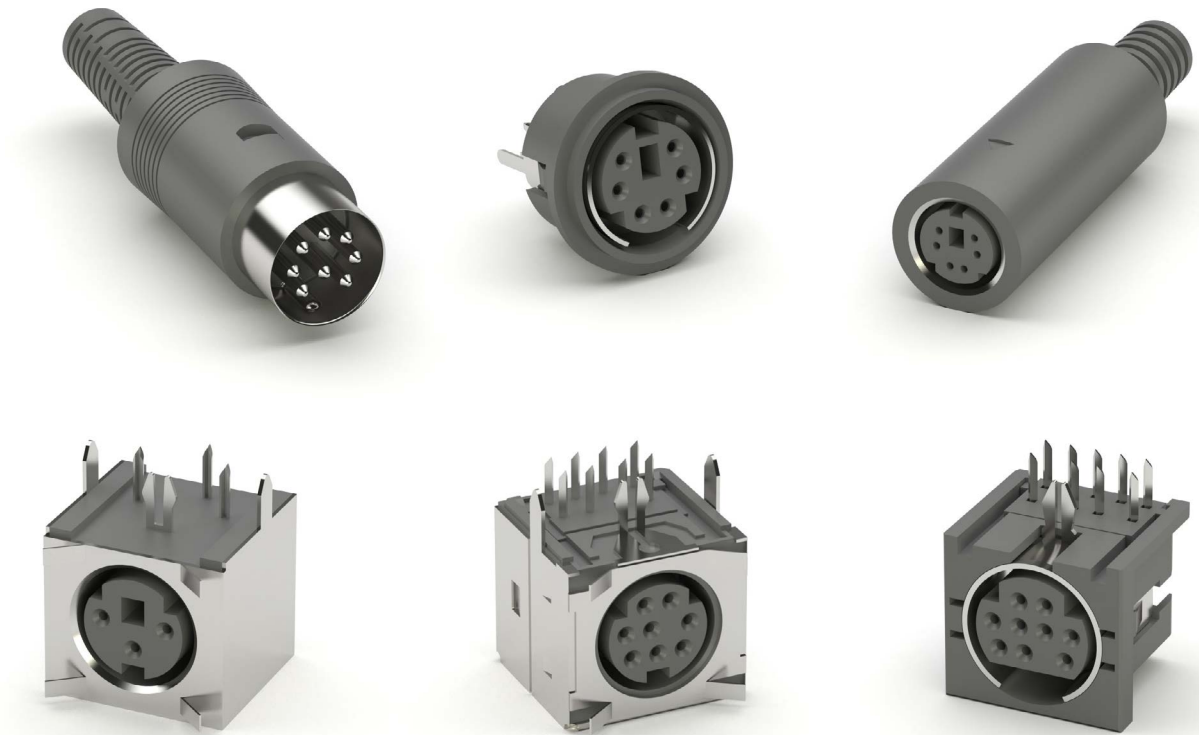
Operating voltage: 20V DC max.  
Current rating: 2 Amps max  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

Insertion force: 15 lb max.  
Withdrawal force: 0.8 lb min  
Mating durability: 5000 cycles min.

##### Temperature Rating:

Operating temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C



### PART NUMBER CONFIGURATION

MDJ	-	005	-	FS	-	B	-	W
SERIES		POSITIONS		SHIELDING		MOUNTING (MDV SERIES)		TERMINATION (MDE SERIES)
<b>MDJ</b> = Right Angle Receptacle, PCB Mount <b>MDJD</b> = Stacked Right Angle Receptacle, PCB Mount <b>MDV</b> = Vertical Receptacle, PCB Mount <b>MDE</b> = Panel Mount Receptacle, Wire Leaded with Flange <b>MDP</b> = Male Plug <b>MDS</b> = Female Plug		3P thru 9P shown as 003 thru 009		<b>Blank</b> = No shield <b>S</b> = Four sided shield <b>FS</b> = Five sided shield		<b>Blank</b> = No mounting provision <b>B</b> = Threaded outer shell with mounting nut <b>E</b> = Flanges with mounting holes		<b>W</b> = 6" wire leads stripped .250"

PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	SHIELDING	TERMINATION	MOUNTING	PRODUCT DATA
<a href="#">MDE-00X-W</a>	Receptacle	Vertical	3 - 8	Not Shielded	6" Wire Leads Stripped .250"	Panel Mount Flanges with Mounting Holes	<a href="#">View</a>
<a href="#">MDJ-009-FS</a>	Receptacle	Right Angle	9	Five Sided Shield	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDJ-00X</a>	Receptacle	Right Angle	3 - 8	Not Shielded	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDJ-00X-FS</a>	Receptacle	Right Angle	3 - 8	Five Sided Shield	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDJ-00X-S</a>	Receptacle	Right Angle	3 - 8	Four Sided Shield	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDJD-004-FS</a>	Stacked Receptacle	Right Angle	4	Five Sided Shield	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDJD-006-FS-RT</a>	Stacked Receptacle	Right Angle	6	Five Sided Shield	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDP-009</a>	Male Plug	N/A	9	Not Shielded	Solder, Cable	Cable Mount	<a href="#">View</a>
<a href="#">MDP-00X</a>	Male Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	<a href="#">View</a>
<a href="#">MDP-XX-X</a>	Male Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	<a href="#">View</a>
<a href="#">MDS-009</a>	Female Plug	N/A	9	Not Shielded	Solder, Cable	Cable Mount	<a href="#">View</a>
<a href="#">MDS-XXX</a>	Female Plug	N/A	3 - 8	Not Shielded	Solder, Cable	Cable Mount	<a href="#">View</a>
<a href="#">MDV-00X</a>	Receptacle	Vertical	3 - 8	Not Shielded	PCB	PCB Mount	<a href="#">View</a>
<a href="#">MDV-00X-B</a>	Receptacle	Vertical	3 - 8	Not Shielded	PCB	Threaded Outer Shell with Mounting Nut	<a href="#">View</a>
<a href="#">MDV-00X-E</a>	Receptacle	Vertical	3 - 8	Not Shielded	PCB	Panel Mount Flanges with Mounting Holes	<a href="#">View</a>



Adam Tech's line of Power Din Connectors are ideal for applications requiring power connections, as well as both power and signal connections. These connectors operate at a voltage of 30-50 VDC and a current rating of 7-7.5 amps. The receptacles are offered in 3 or 4 positions, right angle or vertical orientation, shielded or unshielded, and with through hole mounting. A power DIN plug is available to seamlessly mate with the line of receptacles.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Wide range of styles  
Offered in 3 thru 13 positions  
Standard and shielded versions available  
Excellent for Low Level signal applications

#### MATING PLUGS:

All industry standard circular DIN plugs.

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT glass filled, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
Insulator Color: Black  
Contacts: Brass

Shield: Copper Alloy, Bright Nickel plated  
Contact Plating:  
Tin over Copper underplate overall

##### Electrical:

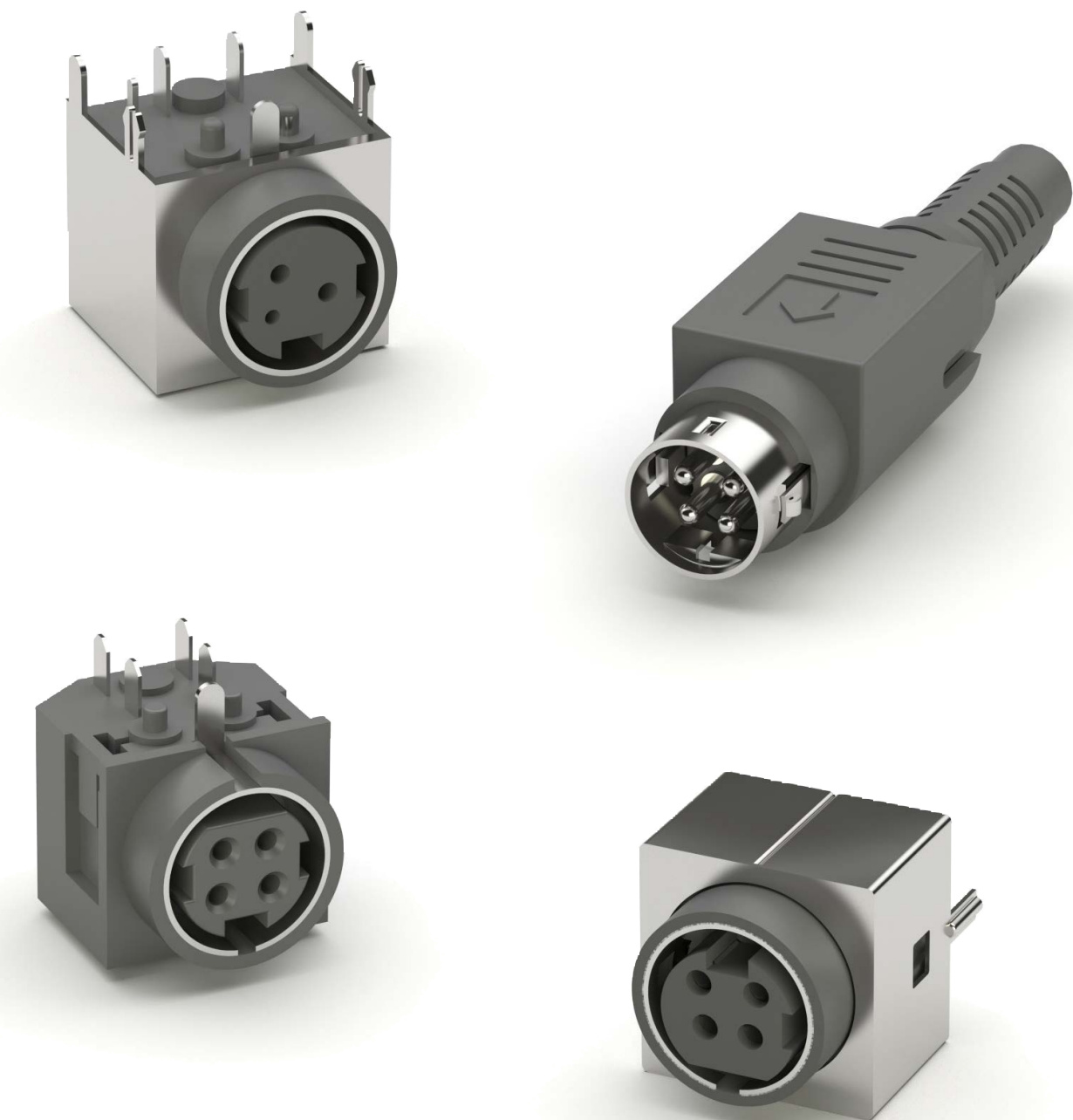
Operating voltage: 20V DC max.  
Current rating: 2 Amps max  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 500 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

Insertion force: 15 lb max.  
Withdrawal force: 0.8 lb min  
Mating durability: 5000 cycles min.

##### Temperature Rating:

Operating temperature: -55°C to +85°C  
Soldering process temperature:  
Standard insulator: 235°C  
Hi-Temp insulator: 260°C



### PART NUMBER CONFIGURATION

MPJ	-	3P	-	V	-	S
SERIES		POSITIONS		MOUNTING ANGLE		OPTIONS
MPJ = Mini DIN Power Jack MPJ = Mini DIN Power Plug		3P = 3 Positions, 2 Power and 1 Signal Contact 4P = 4 Position, All Power Contacts		Blank = Right Angle V = Vertical		Add designator(s) to end of part number S = Shielded HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

PART NUMBER	GENDER	MOUNTING ORIENTATION	POSITIONS	OPTIONS	PRODUCT DATA
MP-XX-D	Plug				<a href="#">View</a>
MPJ-3P	Receptacle	Right Angle Thru Hole	3		<a href="#">View</a>
MPJ-3P-S	Receptacle	Right Angle Thru Hole	3	Shielded	<a href="#">View</a>
MPJ-4P	Receptacle	Right Angle Thru Hole	4		<a href="#">View</a>
MPJ-4P-S	Receptacle	Right Angle Thru Hole	4	Shielded	<a href="#">View</a>
MPJ-4P-V-S	Receptacle	Vertical Thru Hole	4		<a href="#">View</a>

Adam Tech's Pin Header series is a full range of headers in a variety of configurations, including single or dual row, straight or right angle, and through hole or surface mount. Their close tolerance, .025" sq. posts are smoothly finished, and taper tipped to eliminate insertion damage to the PCB or mating connector. These customizable pin headers can be ordered in specific requested sizes, with additional options including stacked insulators and tin, gold or selective gold plating.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single or dual row
- Pitch options ranging from 0.031" (0.80 mm) to 0.100" (2.54 mm)
- Positions: 1 to 100
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1 A to 3 A
- Voltage rating: 250 VAC
- UL Recognized

### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Temperature Rating:

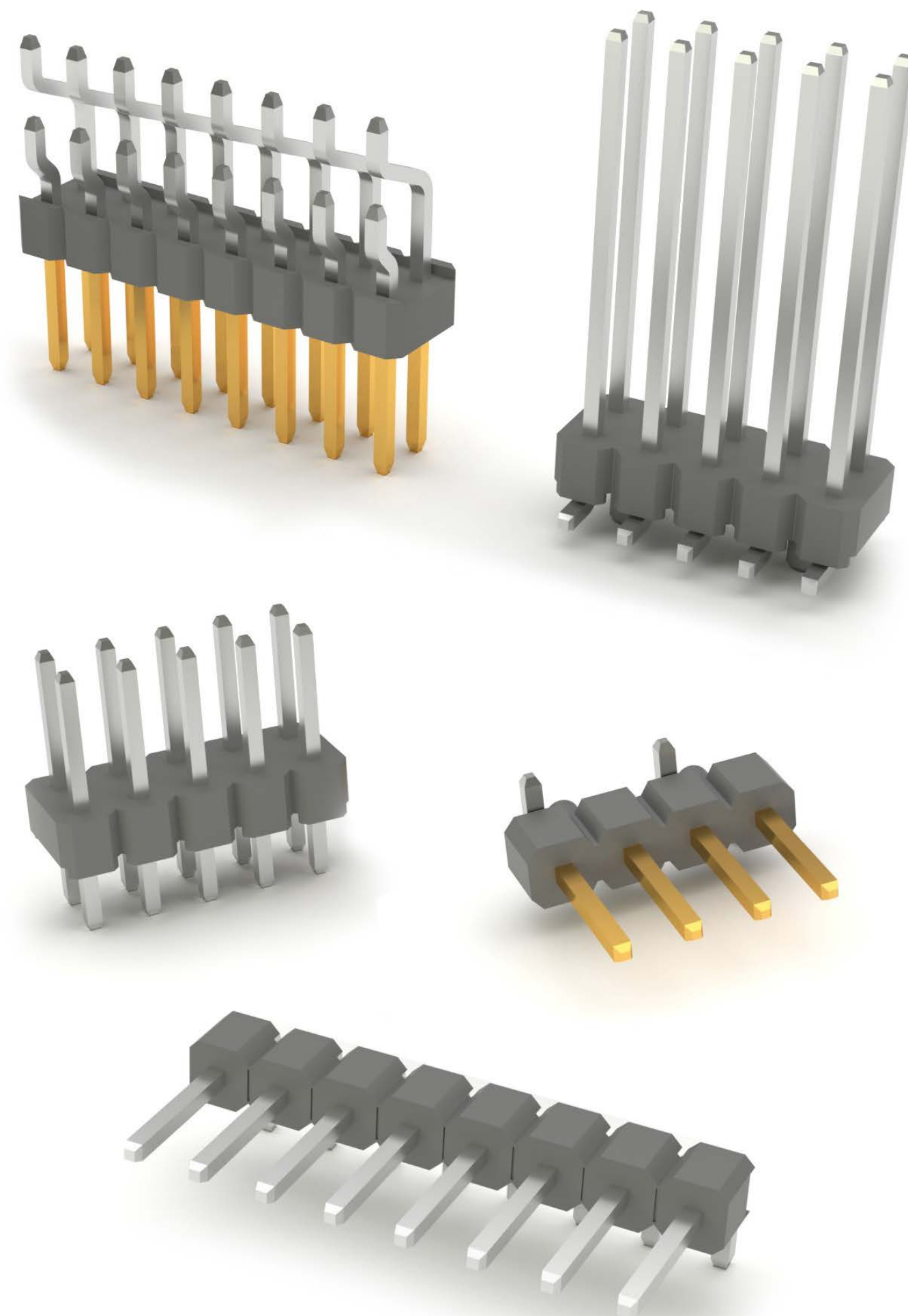
Operating temperature range: -40°C to +105°C

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053



## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .031" [0.8mm] pitch
- Positions: 4 to 80
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

- Mating durability: 500 cycles

### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

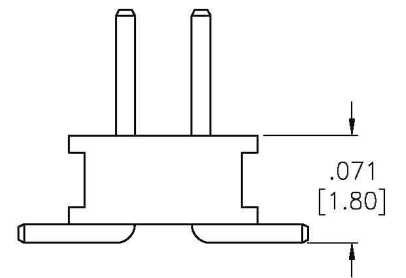
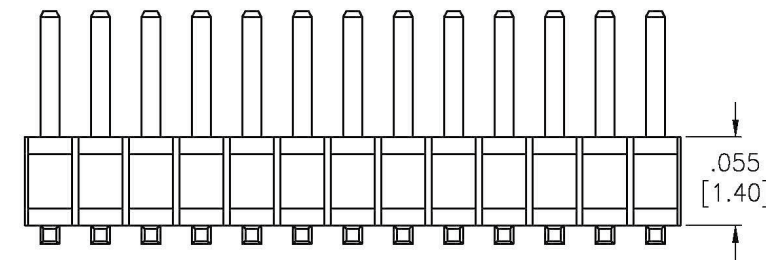
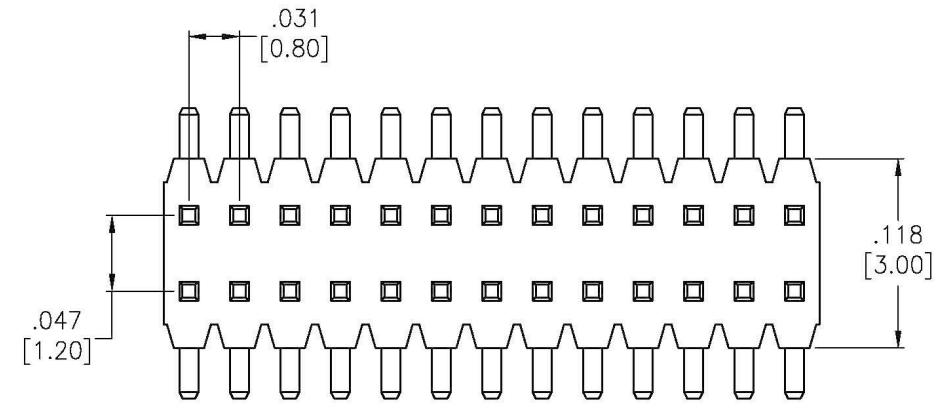
### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

SPH2



## PART NUMBER CONFIGURATION

**SPH2 - 20 - SG - SMT - P**

SERIES	POSITIONS	PLATING	MOUNTING	OPTIONS
SPH2 = 0.8mm Dual Row Header	04 thru 80	<b>U</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	<b>Blank</b> = Thru-hole <b>SMT</b> = Surface mount	Add designator(s) to end of part number <b>P</b> = Peg <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
SPH2-XX-U-SMT	0.031" [0.80mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>

## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .039" [1.0mm] pitch
- Positions: 4 to 80
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

- Mating durability: 500 cycles

### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

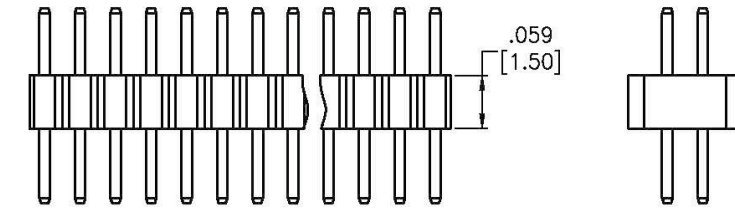
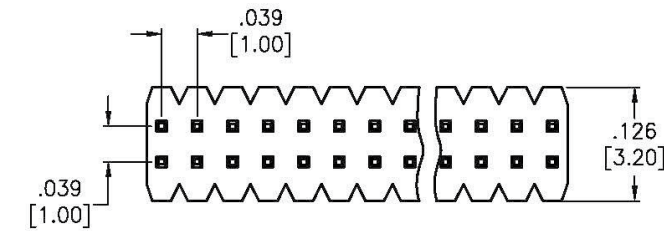
### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

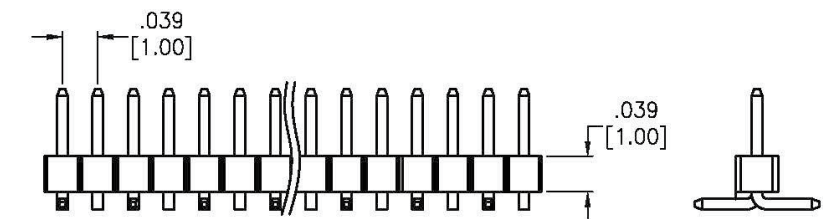
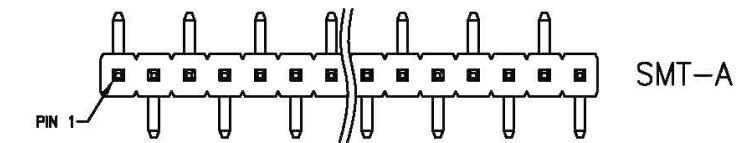
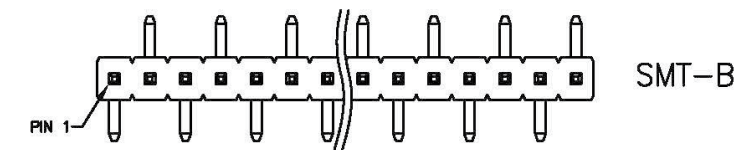
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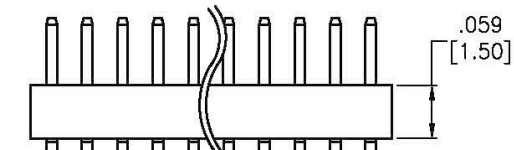
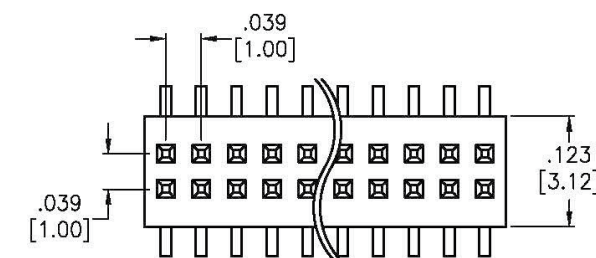
MPH2



MPH1L SMT



MPH2 SMT



## PART NUMBER CONFIGURATION

SERIES	POSITIONS	PLATING	MOUNTING	OPTIONS
<b>MPH2</b>	<b>- 20 -</b>	<b>- SG -</b>	<b>- SMT -</b>	<b>P</b>
<b>MPH2</b> = 1.0mm Dual Row Pin Header <b>MPH2L</b> = 1.0mm Dual Row Pin Header, 1.0mm insulator height <b>MPH1</b> = 1.0mm Single Row Pin Header, 1.5mm insulator height <b>MPH1L</b> = 1.0mm Single Row Pin Header, 1.0mm insulator height	<b>04 thru 80</b>	<b>U</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	<b>Blank</b> = Thru-hole <b>SMT</b> = Surface mount	Add designator(s) to end of part number <b>P</b> = Peg <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging <b>SMT-A</b> = Surface mount leads Type A with First Pin up <b>SMT-B</b> = Surface mount leads Type B with First Pin down

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
MPH2-XX-U	0.039" [1.00mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
MPH2-XX-U-SMT	0.039" [1.00mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single and dual row
- .050" [1.27mm] pitch
- Positions: 2 to 100
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Mating durability: 500 cycles

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

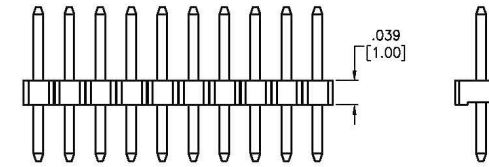
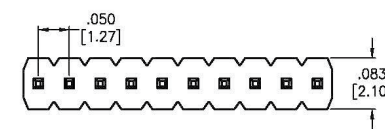
#### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

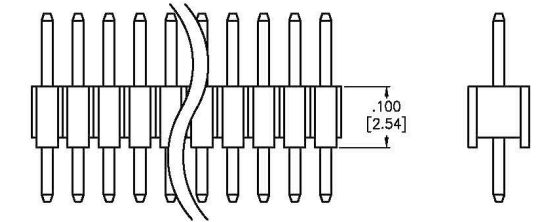
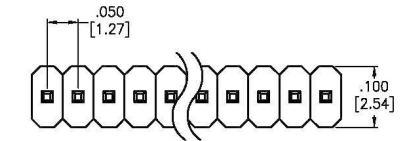
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

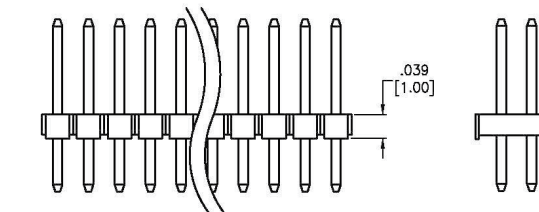
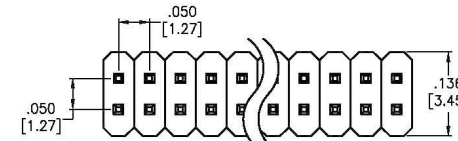
HPH1-A



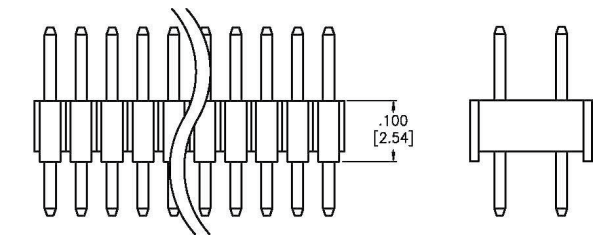
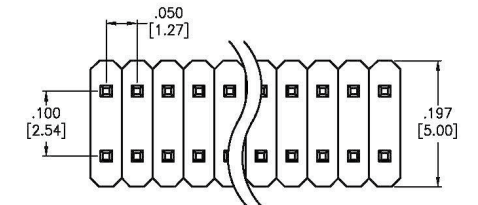
HPH1-B



HPH2-A



HPH2-B



### PART NUMBER CONFIGURATION

HPH2	-	B	-	XX	-	SG	-	A	-	HT
SERIES		INSULATOR SIZE		POSITIONS		PLATING		MATING / SOLDER TAIL LENGTH		OPTIONS
<b>HPH1</b> = .050" Single Row Straight Pin Header <b>HPH1R</b> = .050" Single Row R/A Pin Header <b>HPH2</b> = .050" Dual Row Straight Pin Header <b>HPH2R</b> = .050" Dual Row R/A Pin Header		<b>A</b> = .039" [1.0mm] Insulator Thickness Single Row or Dual Row (Pitch .050" X .050") <b>B</b> = .100" [2.54mm] Insulator Thickness Single Row or Dual Row (Pitch .050" X .100")		<b>02 thru 50</b> = Single Row <b>04 thru 100</b> = Dual Row		<b>SG</b> = Selective Gold plating in contact area, Tin plating on Solder Tails <b>U</b> = Gold Plated <b>T</b> = Tin Plated		<b>A</b> = Standard Length <b>B</b> = Special Length in Inches customer specified defined as Tail length / Overall length Example: .090/.247 Note: For special Mating Length with SMT tails is defined as -SMT- XXX (-XXX is Length in Inches) Example: SMT-.118		Add designator(s) to end of part number <b>HT</b> = Hi-Temp Insulator for High Temp soldering process 260°C <b>KT</b> = Kapton Pick & Place Tape <b>L</b> = .059" [1.5mm] Insulator Height <b>P</b> = Locating Pegs <b>PP</b> = Pick & Place Cap <b>SMT</b> = Dual Row Surface Mount <b>SMT-A</b> = Single Row Surface Mount Leads Type A <b>SMT-B</b> = Single Row Surface Mount Leads Type B <b>T/R</b> = Tape & Reel Packaging

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">HPH1-A-XX-TA</a>	0.050" [1.27mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
<a href="#">HPH1-A-XX-UA</a>	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HPH1-B-XX-TA</a>	0.050" [1.27mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
<a href="#">HPH1-B-XX-UA</a>	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HPH2-A-XX-UA</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HPH2-A-XX-UA-SMT</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HPH2-B-XX-UA</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single and dual row
- .050" [1.27mm] pitch
- Positions: 1 to 100
- Dual Insulator
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

##### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

##### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

##### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.

- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

##### Mechanical:

- Mating durability: 500 cycles

##### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

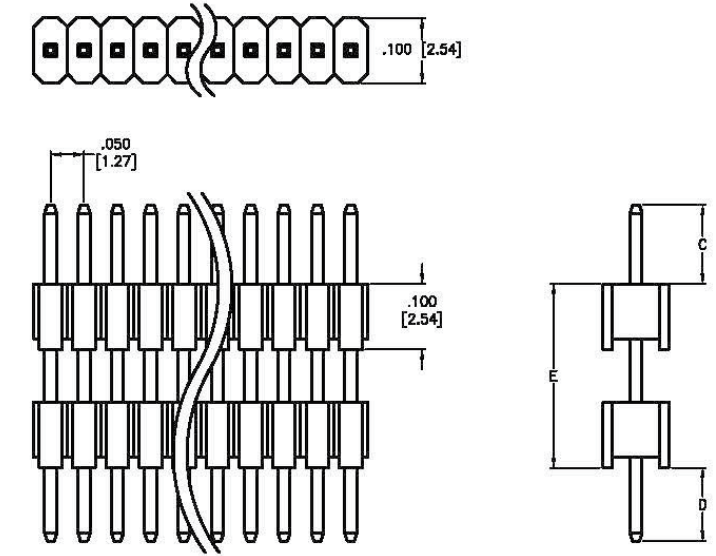
##### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

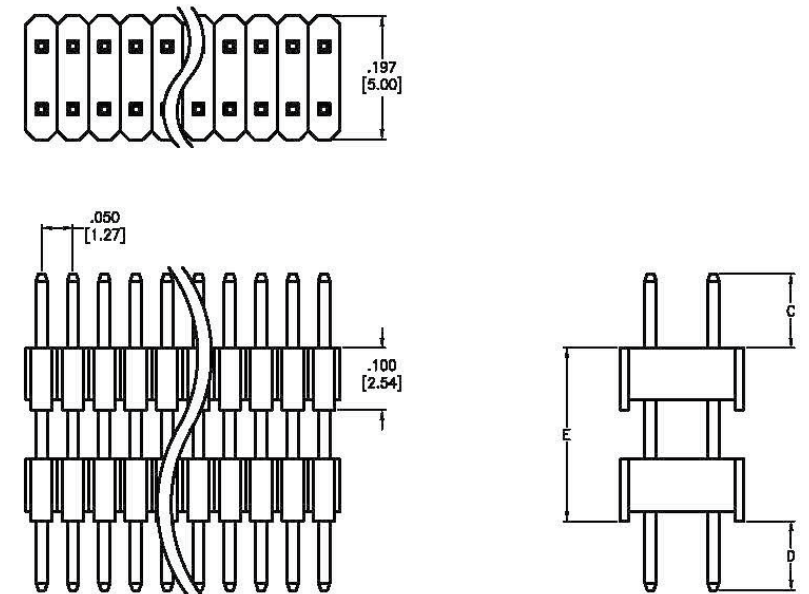
##### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

DHPH-1



DHPH-2



### PART NUMBER CONFIGURATION

**DHPH - 2 - 50 - SG - .XXX"/.XXX"/.XXX - P**  
 "C" DIM. "D" DIM. "E" DIM.

SERIES	NO. OF ROWS	POSITIONS	PLATING	STACKING DIMENSIONS	OPTIONS
<b>DHPH</b> = Dual insulator .050" centerline Pin Header	Single row .050" <b>1</b> H=2.54mm, W=2.54mm Dual row .050"x.100" <b>2</b> H=2.5mm, W=5mm	<b>01</b> thru <b>50</b> (single row) <b>04</b> thru <b>100</b> (dual row)	<b>U</b> = Gold plated <b>T</b> = Tin plated <b>MT</b> = Matte Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	Specified In Inches As: "C" Dim. / "D" Dim. / "E" Dim. Replace "D" Dim. with "SMT" for Surface Mount Option	Add designator(s) to end of part number <b>T/R</b> = Tape and reel packaging <b>NP</b> = No Peg <b>P</b> = Optional locating peg <b>PP</b> = With Cap <b>L</b> = 1.50mm Insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>SMT</b> = Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>SMT-A</b> = Single Row Surface Mount Leads Type A <b>SMT-B</b> = Single Row Surface Mount Leads Type B

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">DHPH-1-XX-U-CDE</a>	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">DHPH-1-XX-U-CSMTE</a>	0.050" [1.27mm]	Single Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">DHPH-2-XX-U-CDE</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">DHPH-2-XX-U-CSMTE</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">DPH-2-XX-SG-.300/100/200</a>	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single and dual row
- .079" [2.0mm] pitch
- Positions: 1 to 80
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

##### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Mating durability: 1,000 cycles

#### Temperature Rating:

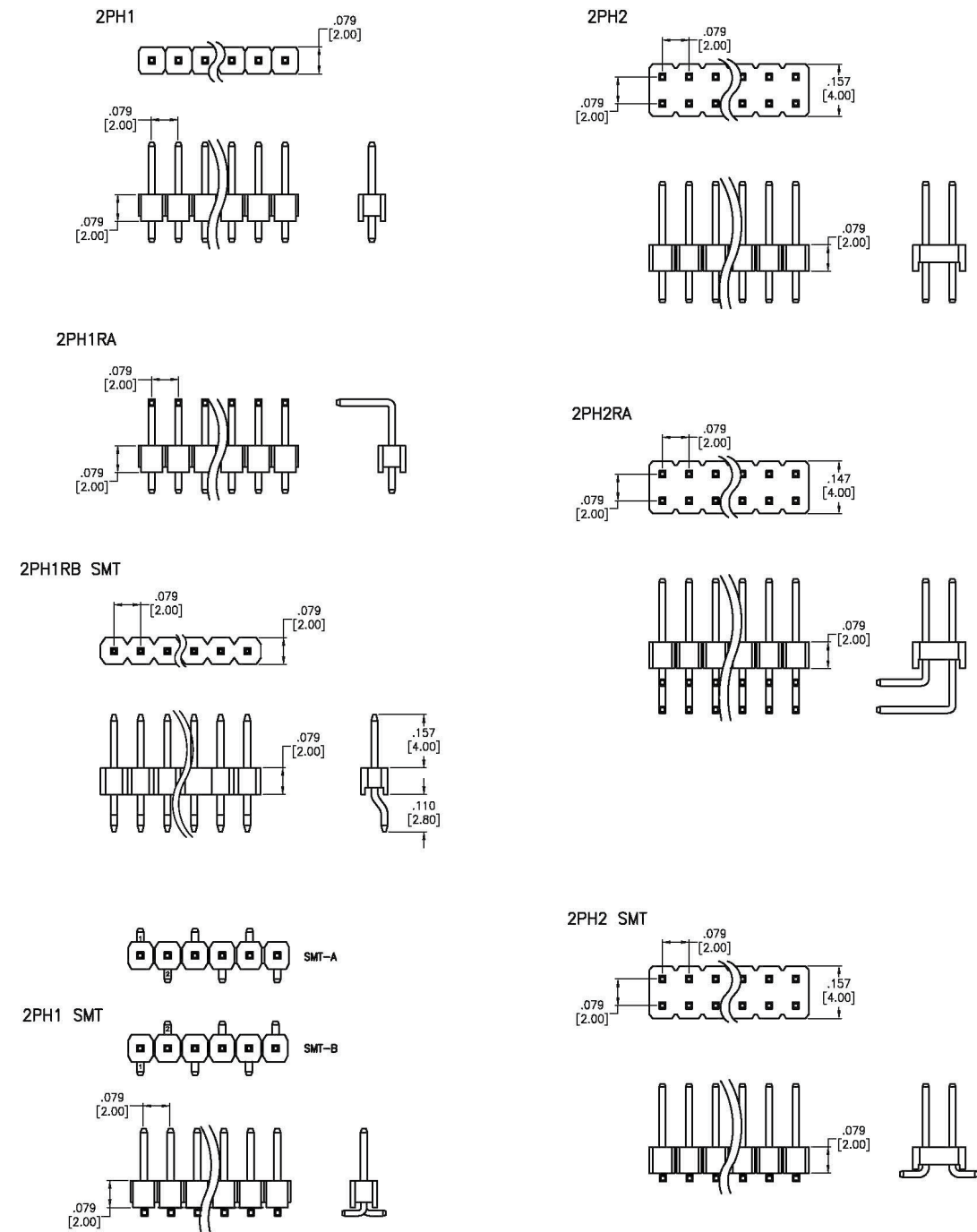
- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

#### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



### PART NUMBER CONFIGURATION

2PH1	- 40 -	U -	A -	SMT-A
SERIES	POSITIONS	PLATING	PIN LENGTH	OPTIONS
<b>2PH1</b> = 2.00mm Single Row Straight Pin Header <b>2PH2</b> = 2.00mm Dual Row Straight Pin Header <b>2PH2W</b> = 2.00mm Dual Row Straight Pin Header (wcon) <b>2PH2H</b> = 2.00mm Dual Row Straight Pin Header W4.30*H4.00mm <b>2PH2HR</b> = 2.00mm Dual Row Right Angle Pin Header W4.30*H4.00mm <b>2PH1R</b> = 2.00mm Single Row Right Angle Pin Header <b>2PH1RA</b> = 2.00mm Single Row Right Angle Pin Header (High Profile) <b>2PH1RB</b> = 2.00mm Single Row Right Angle Pin Header (-SMT) <b>2PH2R</b> = 2.00mm Dual Row Right Angle Pin Header <b>2PH2RA</b> = 2.00mm Dual Row Right Angle Pin Header	Single row: <b>1 thru 40</b> Dual row: <b>2 thru 80</b>	<b>U</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	<b>A</b> = Standard length <b>B</b> = Special length, customer specified defined as: tail dim/total length	Add designator(s) to end of part number <b>SMT-A</b> = Surface Mount leads Type A <b>SMT-B</b> = Surface Mount Leads Type B <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>L</b> = Low profile 1.5mm insulator thickness <b>P</b> = Locating pegs <b>T/R</b> = Tape & Reel packaging <b>KT</b> = With Mylar <b>PP</b> = With Cap

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">2PH1-XX-SGA</a>	0.079" [2.00mm]	Single Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH1-XX-TA</a>	0.079" [2.00mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH1-XX-UA</a>	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH1-XX-UA-SMT-A</a>	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">2PH1-XX-UA-SMT-B</a>	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">2PH1R-XX-UA</a>	0.079" [2.00mm]	Single Row	Gold	Right Angle Through Hole	<a href="#">View</a>
<a href="#">2PH2-XX-SGA</a>	0.079" [2.00mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH2-XX-TA</a>	0.079" [2.00mm]	Dual Row	Tin	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH2-XX-UA</a>	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">2PH2R-XX-TA</a>	0.079" [2.00mm]	Dual Row	Tin	Right Angle Through Hole	<a href="#">View</a>
<a href="#">2PH2R-XX-UA</a>	0.079" [2.00mm]	Dual Row	Gold	Right Angle Through Hole	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single and dual row
- .079" [2.0mm] pitch
- Positions: 2 to 80
- Dual insulator
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

##### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Mating durability: 1,000 cycles

#### Temperature Rating:

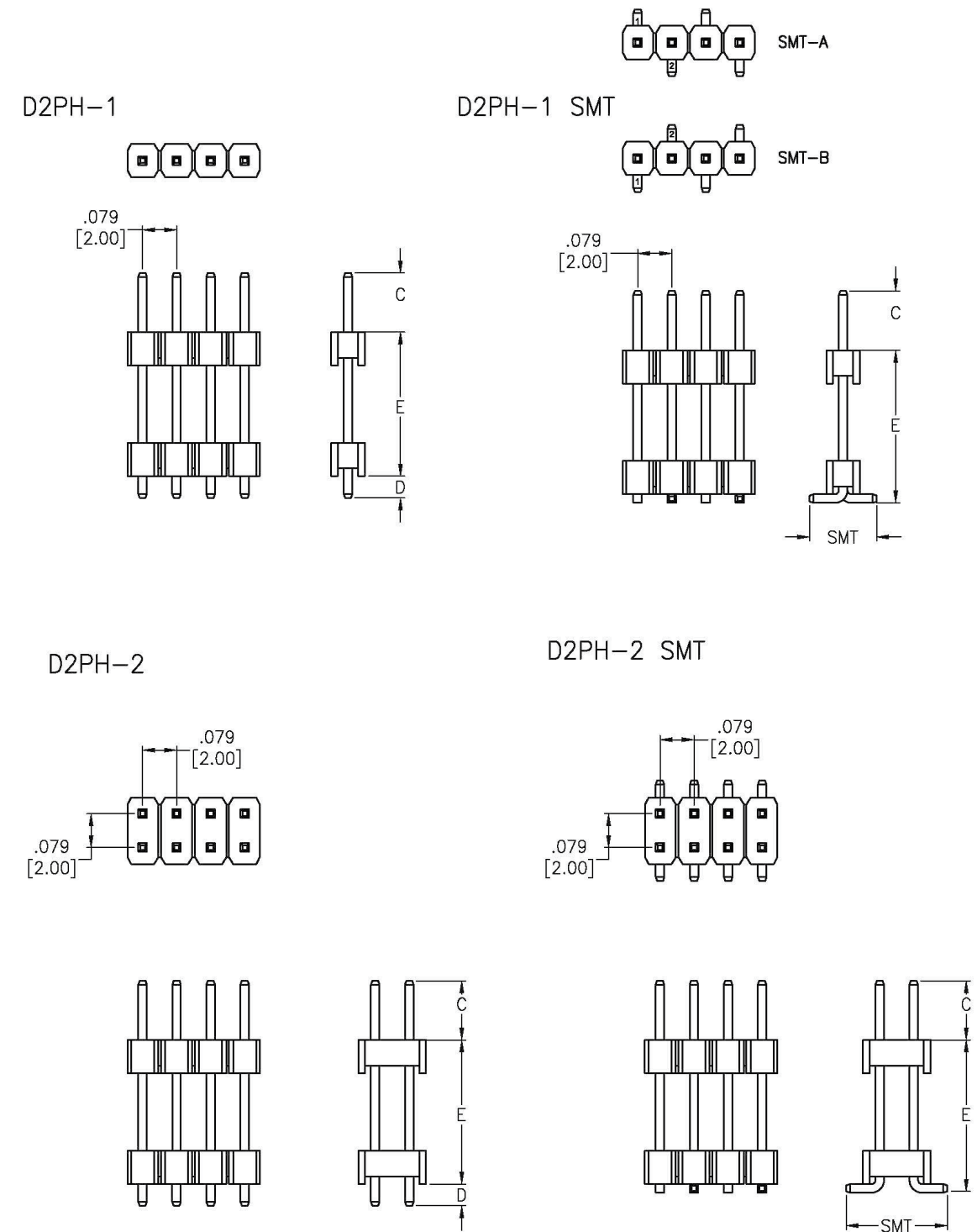
- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

#### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



PART NUMBER CONFIGURATION					
D2PH-	1	- 40 -	SG	- .XXX"/.XXX"/.XXX -	L
SERIES	NO. OF ROWS	POSITIONS	PLATING	STACKING DIMENSIONS	OPTIONS
<b>D2PH</b> = 2mm Dual Insulator Pin Header <b>D2PH1R</b> = 2mm Dual Insulator Pin Header Single row R/A	<b>1</b> = Single row <b>2</b> = Dual row	Single row: <b>2</b> thru <b>40</b> Dual row: <b>4</b> thru <b>80</b>	<b>U</b> = Gold plated <b>T</b> = Tin plated <b>MT</b> = Matte Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	Specified In Inches As: "C" Dim. / "D" Dim. / "E" Dim. Replace "D" Dim. with "SMT" for Surface Mount Option	Add designator(s) to end of part number <b>SMT-A</b> = Surface Mount leads Type A <b>SMT-B</b> = Surface Mount Leads Type B <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>L</b> = Low profile 1.5mm insulator thickness <b>P</b> = Locating pegs <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">D2PH-1-XX-U-CDE</a>	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">D2PH-1-XX-U-CSMTE-A</a>	0.079" [2.00mm]	Single Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">D2PH-2-XX-U-CDE</a>	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">D2PH-2-XX-U-CSMTE</a>	0.079" [2.00mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>



### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single and dual row
- .100" [2.54mm] pitch
- Positions: 1 to 80
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 3A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 3 Amps max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Mating durability: 1,000 cycles

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

#### PACKAGING:

- Anti-ESD plastic bags
- (Tape and Reel available for SMT option)

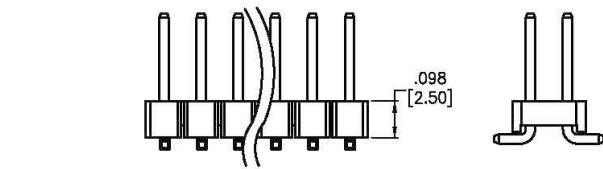
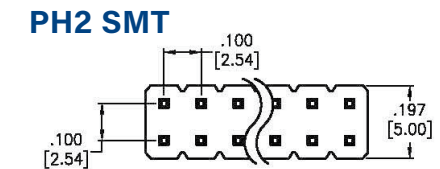
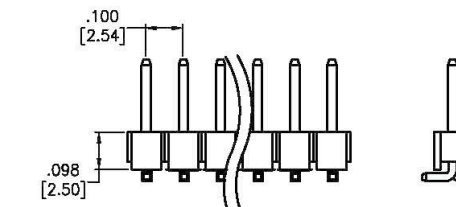
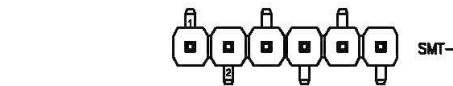
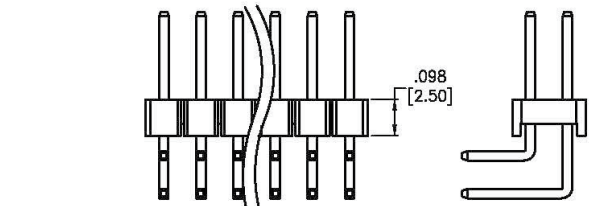
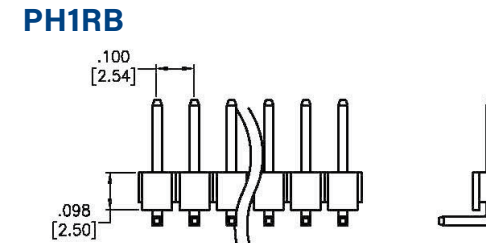
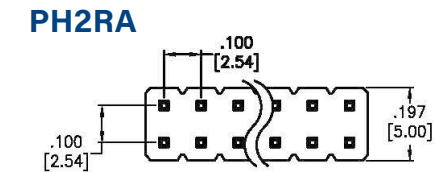
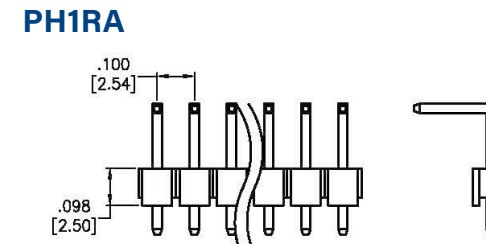
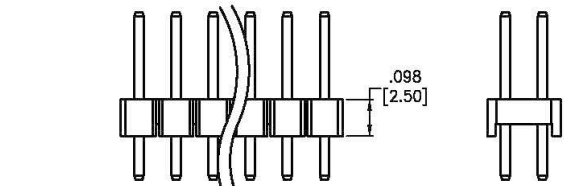
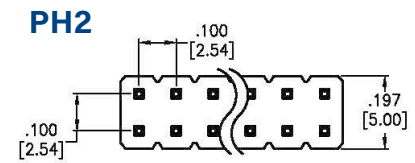
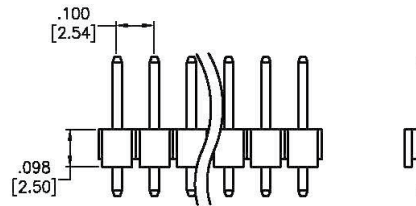
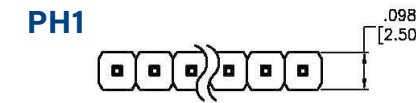
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### PART NUMBER CONFIGURATION

PH1	-	40	-	U	-	A	-	HT
SERIES	POSITIONS	PLATING	MATING/TAI LENGTH	OPTIONS				
<b>PH1</b> = Single Row, Straight <b>PH1RA</b> = Single Row, Right Angle, High Profile <b>PH1RB</b> = Single Row, Right Angle, Low Profile <b>PH2</b> = Dual Row, Straight <b>PH2RA</b> = Dual Row, Right Angle	PH1 : <b>1</b> Thru <b>40</b> PH2 : <b>2</b> Thru <b>80</b>	<b>U</b> = Gold flash overall <b>T</b> = 100 μin tin overall <b>SG</b> = Gold flash on mating area 100 μin tin lead on solder tail	<b>A</b> = Mating Length ("C" dim.) = .235" Solder Tail ("D" dim.) = .120" <b>B</b> = Mating Length ("C" dim.) = .318" Solder Tail Length ("D" dim.) = .120" Special lengths available contact factory	Add designator(s) to end of part number <b>SMT</b> = Surface mount leads Dual row with Hi-Temp insulator <b>SMT-A</b> = Surface mount leads Type A with Hi-Temp insulator <b>SMT-B</b> = Surface mount leads Type B with Hi-Temp insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>L</b> = Low profile 1.50 mm insulator thickness <b>T/R</b> = Tape & Reel packaging <b>KT</b> = Mylar <b>PP</b> = Cap <b>P</b> = Peg				

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
PHI-XX-SGA	0.100" [2.54mm]	Single Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
PHI-XX-TA	0.100" [2.54mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
PHI-XX-UA	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
PHI-XX-UA-HT	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
PHI-XX-UB	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
PHIRA-XX-TA	0.100" [2.54mm]	Single Row	Tin	Right Angle Through Hole	<a href="#">View</a>
PHIRA-XX-UA	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	<a href="#">View</a>
PHIRA-XX-UB	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	<a href="#">View</a>



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
PH1RB-XX-TA	0.100" [2.54mm]	Single Row	Tin	Right Angle Through Hole	<a href="#">View</a>
PH1RB-XX-UA	0.100" [2.54mm]	Single Row	Gold	Right Angle Through Hole	<a href="#">View</a>
PH2-XX-SGA	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
PH2-XX-TA	0.100" [2.54mm]	Dual Row	Tin	Vertical Through Hole	<a href="#">View</a>
PH2-XX-UA	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
PH2RA-XX-TA	0.100" [2.54mm]	Dual Row	Tin	Right Angle Through Hole	<a href="#">View</a>
PH2RA-XX-UA	0.100" [2.54mm]	Dual Row	Gold	Right Angle Through Hole	<a href="#">View</a>

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Single, dual, and triple row
- .100" [2.54mm] pitch
- Positions: 1 to 120
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 3A
- Voltage rating: 250 VAC
- UL Recognized

#### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 3 Amps max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Mating durability: 1,000 cycles

#### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

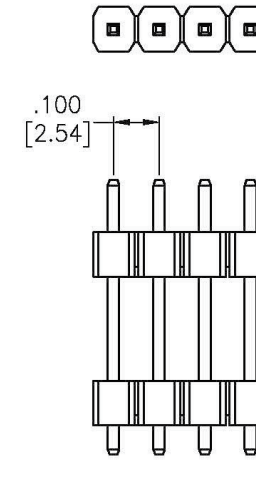
#### PACKAGING:

- Anti-ESD plastic bags
- (Tape and Reel available for SMT option)

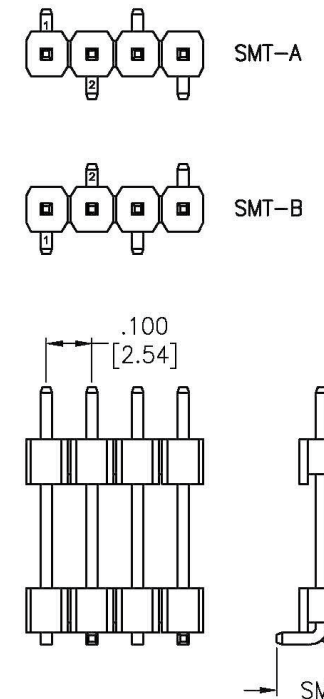
#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

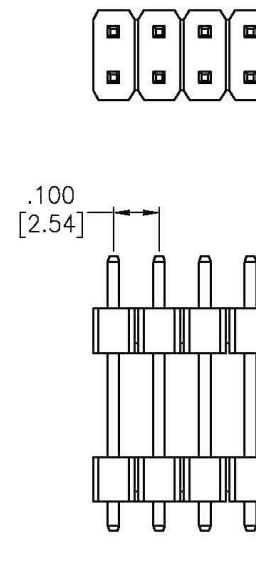
#### DPH-1



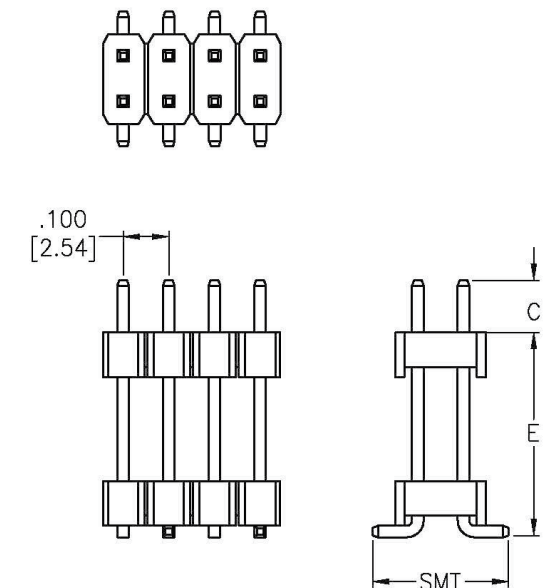
#### DPH-1 SMT



#### DPH-2



#### DPH-2 SMT



### PART NUMBER CONFIGURATION

**DPH - 2 - 20 - SG - .XXX"/.XXX"/.XXX - HT**  
 "C" DIM. "D" DIM. "E" DIM.

SERIES	NO. OF ROWS	POSITIONS	PLATING	STACKING DIMENSIONS	OPTIONS
<b>DPH</b> = Dual insulator .100" centerline Pin Header	<b>1</b> = Single row <b>2</b> = Dual row <b>3</b> = Three row	<b>01</b> thru <b>40</b> (single row) <b>04</b> thru <b>80</b> (dual row) <b>03</b> thru <b>120</b> (triple row)	<b>U</b> = Gold plated <b>T</b> = Tin plated <b>MT</b> = Matte Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	Specified In Inches As: "C" Dim. / "D" Dim. / "E" Dim. Replace "D" Dim. with "SMT" for Surface Mount Option	Add designator(s) to end of part number <b>SMT</b> = Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>SMT-A</b> = Surface Mount leads Type A <b>SMT-B</b> = Surface Mount Leads Type B <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
DPH-2-XX-SG-.300/100/200	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>

# Shrouded Pin Header Set

.050" [1.27MM] MALE

## FEATURES & SPECIFICATIONS

### FEATURES:

- Header set
- .050" [1.27mm] pitch
- Positions: 10 to 100
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

- Mating durability: 1,000 cycles

### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

### PACKAGING:

- Anti-ESD plastic tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

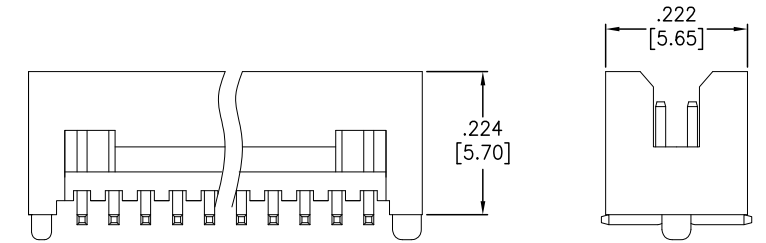
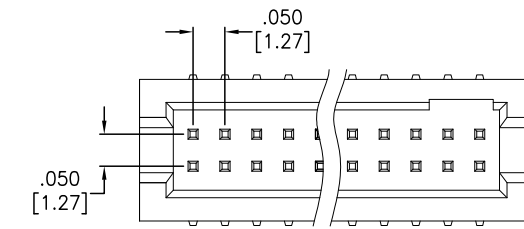
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## PART NUMBER CONFIGURATION

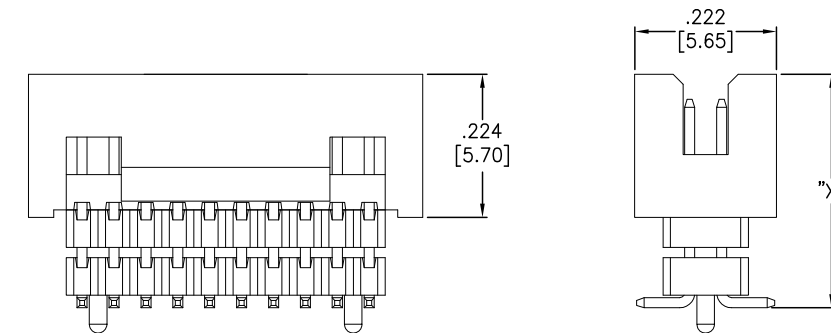
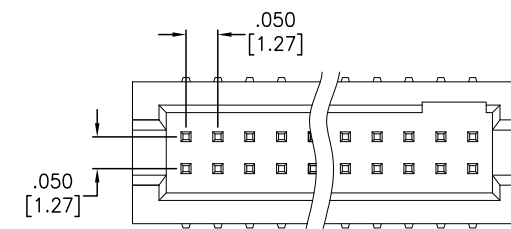
SERIES	CODE	POSITIONS	PLATING	OPTIONS
<b>HSH</b> -	<b>A</b> -	<b>50</b> -	<b>G</b> -	<b>NP</b>
<b>HSH</b> = .050" Shrouded Header	<b>BLANK</b> <b>A</b> <b>B</b> <b>C</b> <b>(A1, D, E)</b>	<b>10 thru 100</b>	<b>G</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	Add designator(s) to end of part number <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>P</b> = Peg option (thru hole only) <b>NP</b> = No Peg <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging <b>BL</b> = Boardlock

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">HSH-XX-G</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HSH-XX-G-SMT</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HSH-XX-G-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HSH-XX-SG</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HSH-XX-SG-SMT</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HSH-XX-SG-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HSH-XX-T-SMT</a>	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HSH-XX-T-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	<a href="#">View</a>

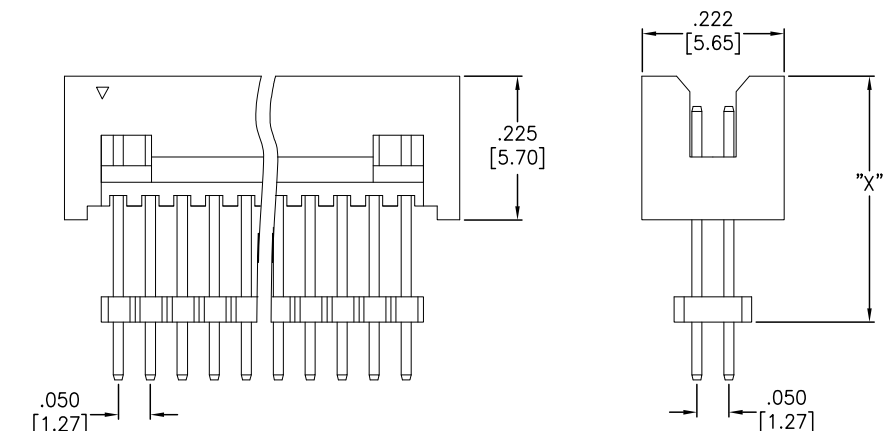
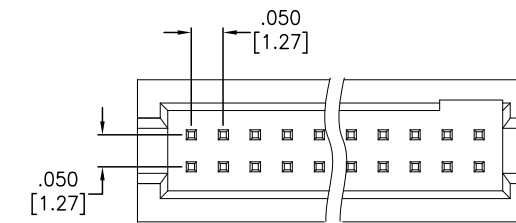
### HSH SMT



### HSHE SMT



### HSHE



# Shrouded Pin Header Set

.050" [1.27MM] FEMALE

## FEATURES & SPECIFICATIONS

### FEATURES:

- Header set
- .050" [1.27mm] pitch
- Positions: 10 to 100
- Solder termination
- Push-pull fastening
- Surface mount or through-hole mounting
- Vertical or right angle
- Square contacts
- Various contact lengths
- Insulator height options: 0.039" (1.00 mm) to 0.197" (5.00 mm)
- Current rating: 1A
- Voltage rating: 250 VAC
- UL Recognized

### SPECIFICATIONS:

#### Material:

- Standard insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

- Mating durability: 1,000 cycles

### Temperature Rating:

- Operating temperature range: -40°C to +105°C
- Soldering process temperature: 260°C

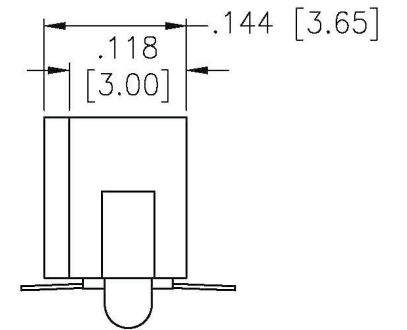
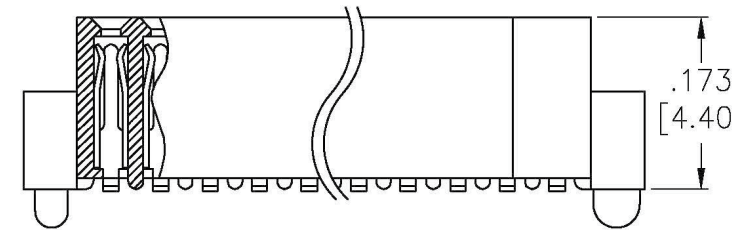
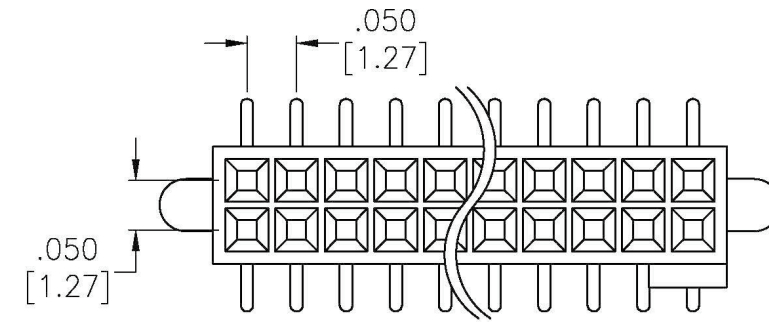
### PACKAGING:

- Anti-ESD plastic tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

HFH



## PART NUMBER CONFIGURATION

**HFH - 50 - G - RA**

SERIES	POSITIONS	PLATING	OPTIONS
<b>HFH</b> = .050" Female header	<b>10 thru 100</b>	<b>G</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	Add designator(s) to end of part number <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>PP</b> = With Cap <b>NP</b> = No Peg <b>NK</b> = No Key <b>T/R</b> = Tape & Reel packaging <b>RA</b> = Right Angle <b>BL</b> = Boardlock

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">HFH-XX-G</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HFH-XX-G-SMT</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HFH-XX-G-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HFH-XX-SG</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">HFH-XX-SG-SMT</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HFH-XX-SG-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HFH-XX-T-SMT</a>	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	<a href="#">View</a>
<a href="#">HFH-XX-T-SMT-PP-TR</a>	0.050" [1.27mm]	Dual Row	Tin	Vertical Surface Mount	<a href="#">View</a>

# Receptacle Strips

SINGLE AND DUAL ROW RECEPTACLE STRIPS

Adam Tech Receptacle Strips are a series of sockets designed to satisfy most pitch socket requirements. They are available in a variety of sizes, mounting orientations, and profiles. Each type has a specially designed contact system, which utilizes a wiping mating action and produces a high normal force connection with gold, tin, or selective gold plating. All are available with standard or hi-temp thermoplastic insulators.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

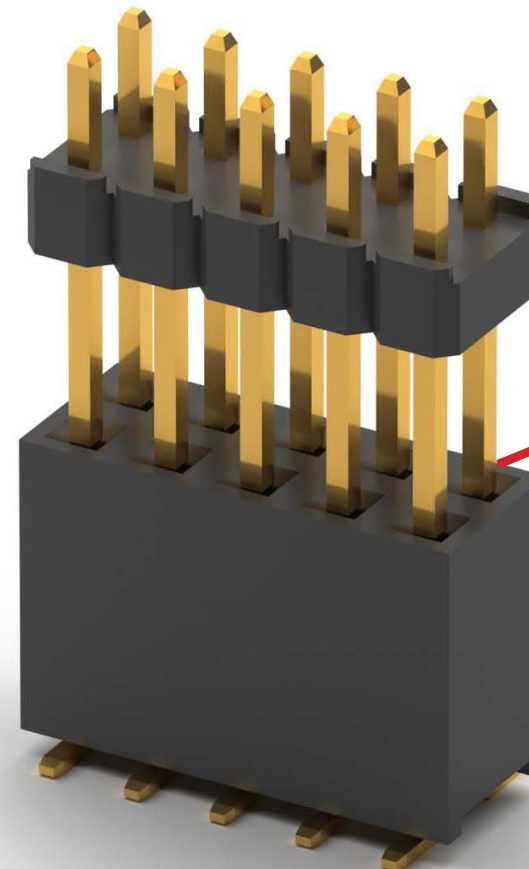
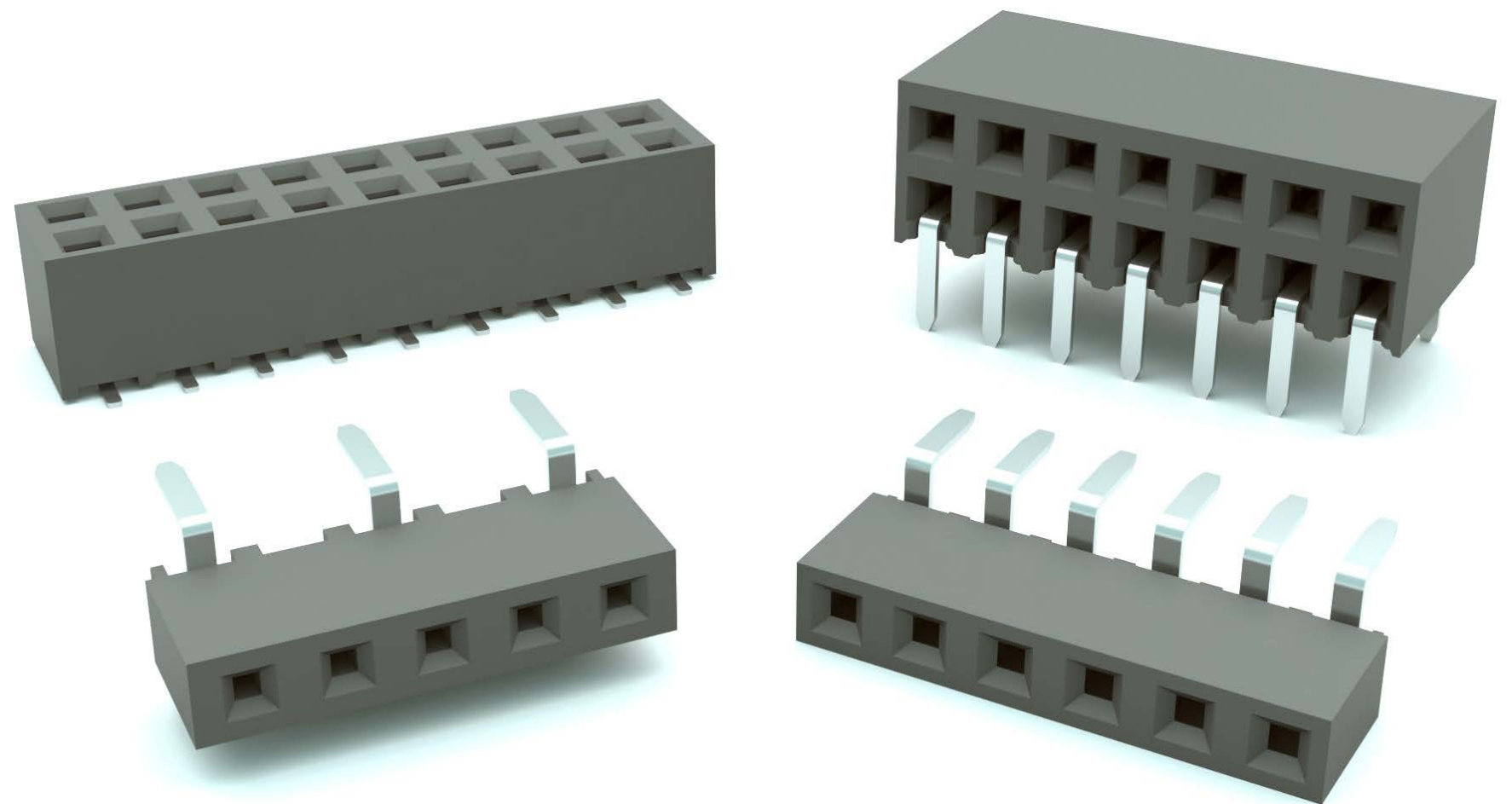
- Insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: rated UL94V-0
- Insulator Color: Black
- Contacts: Phosphor Bronze

#### Contact Plating:

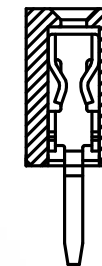
- G = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Temperature Rating:

Operating temperature: -40°C to +105°C



Retention  
Lock Mate



## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .031" [0.8mm] pitch
- Positions: 4 to 80
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech SPH2 .031" [0.8mm] pitch headers and all industry standard pin headers with a .012" (0.30mm) square pin.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

### Contact Plating:

G = Gold over nickel underplate overall  
 SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.  
 T = Tin over copper underplate overall

### Electrical:

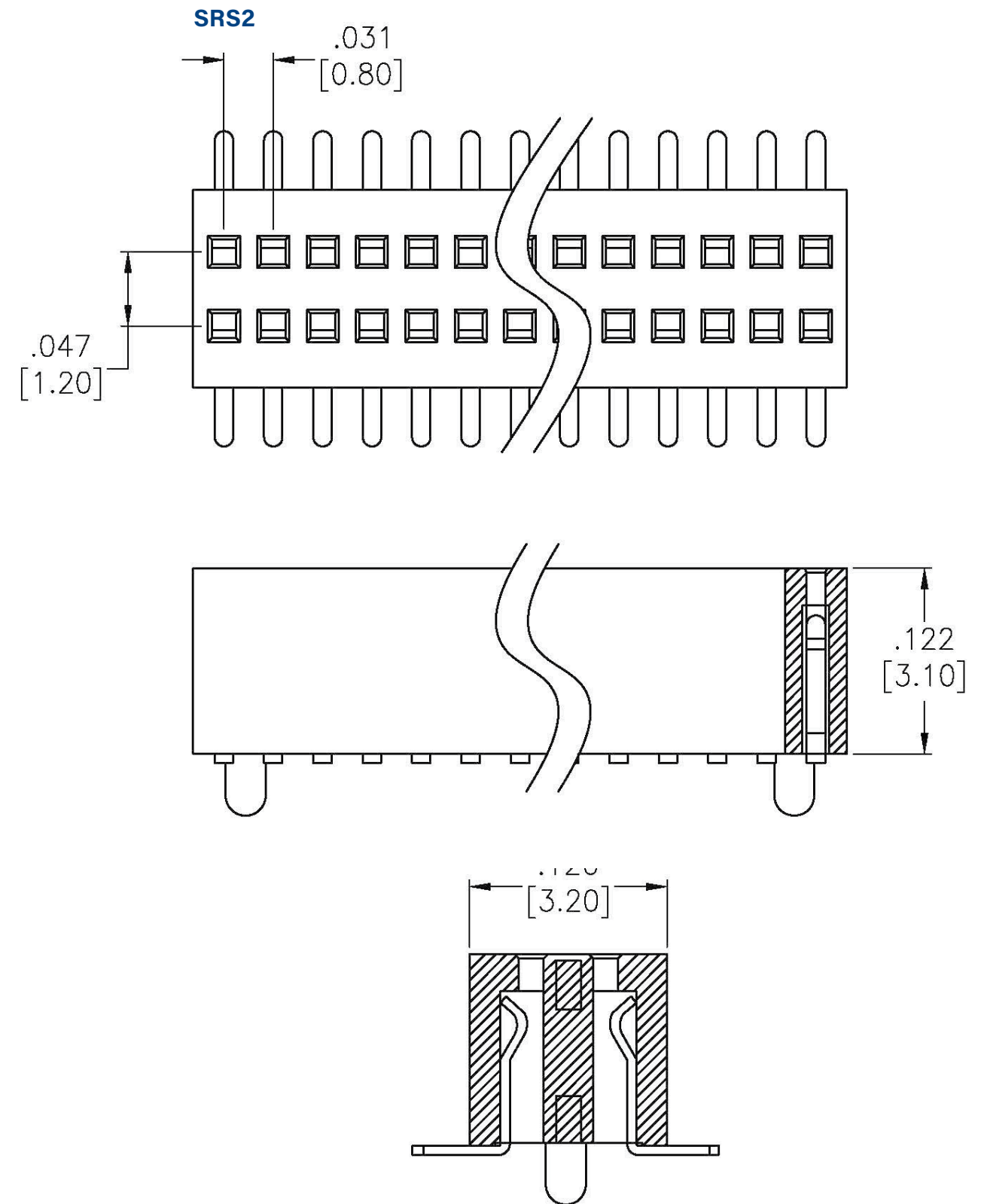
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

Insertion force: 0.375 lbs per contact max.  
 Withdrawal force: 0.125 lbs per contact min.  
 Mating durability: 500 cycles min.

### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

SRS2 - 20 - SG - SMT - PP				
SERIES	POSITIONS	PLATING	MOUNTING	OPTIONS
SRS2 = 0.8mm Dual Row Female Header	04 thru 80	U = Gold plated SG = Selectively gold plated T = Tin plated	Blank = Thru-hole SMT = Surface mount	Add designator(s) to end of part number PP = With Cap T/R = Tape & Reel packaging NP = No Peg

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
SRS2Y-XX-U-SMT	0.031" [0.80mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>

## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .039" [1.0mm] pitch
- Positions: 4 to 80
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech SPH2 series .031" [0.8mm] pitch headers and all industry standard pin headers with a .012" (0.30mm) square pins.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black

Contacts: Phosphor Bronze

### Contact Plating:

G = Gold over nickel underplate overall

SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.

T = Tin over copper underplate overall

### Electrical:

Operating voltage: 250V AC max.

Current rating: 1 Amp max.

Contact resistance: 20 mΩ max. initial

Insulation resistance: 5000 MΩ min.

Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

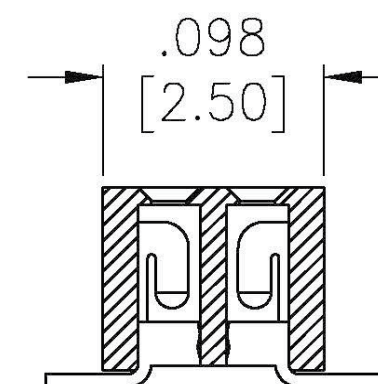
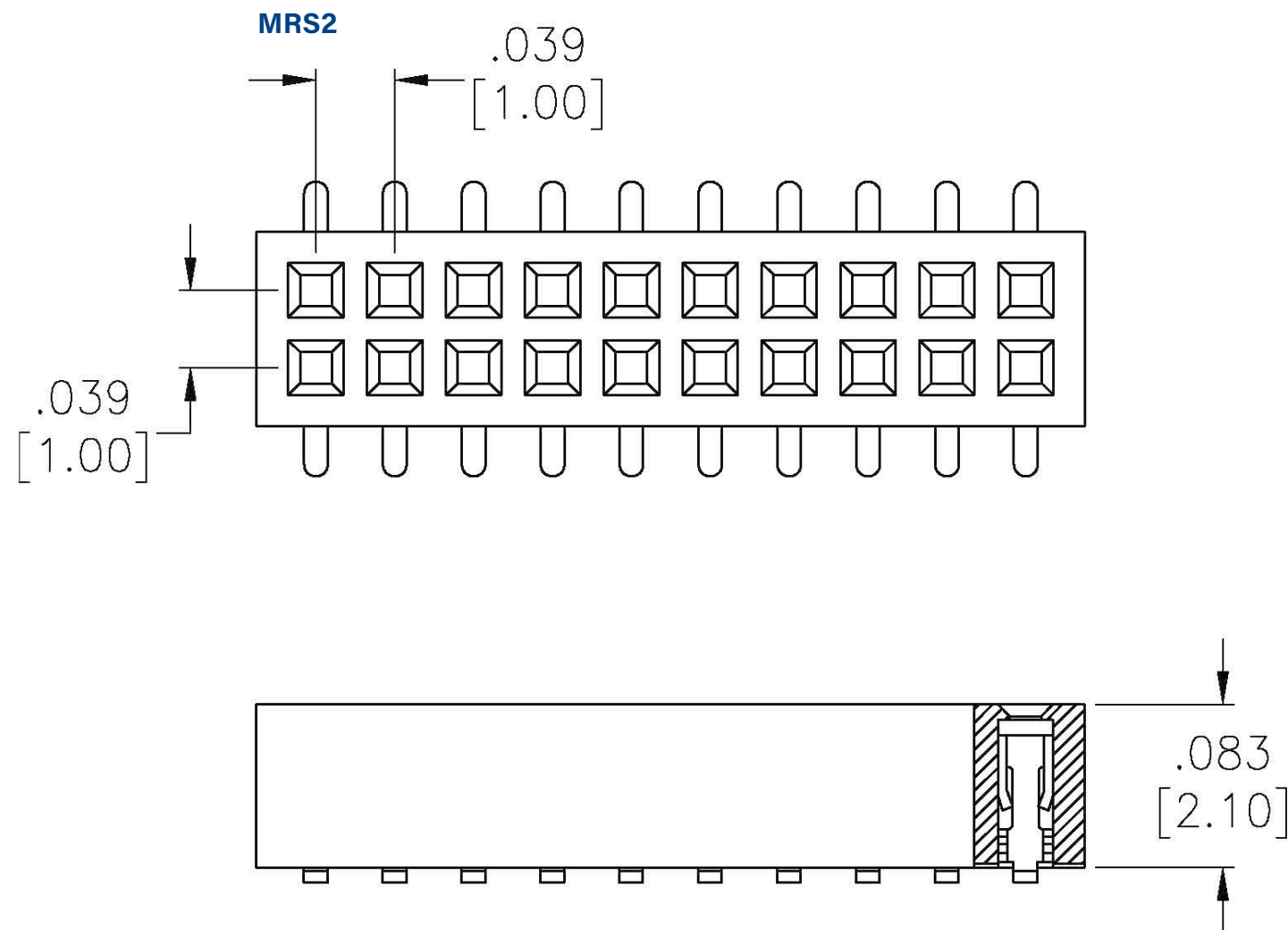
Insertion force: 0.375 lbs per contact max.

Withdrawal force: 0.125 lbs per contact min.

Mating durability: 500 cycles min.

### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

SERIES	POSITIONS	PLATING	MOUNTING	OPTIONS
<b>MRS2- 20 - SG - SMT - P</b>				
<b>MRS2</b> = 1.0mm Dual Row Female Header	<b>04 thru 80</b>	<b>U</b> = Gold plated <b>SG</b> = Selectively gold plated <b>T</b> = Tin plated	<b>Blank</b> = Thru-hole <b>SMT</b> = Surface mount	Add designator(s) to end of part number <b>P</b> = Peg <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">MRS2-XX-SG-SMT</a>	0.039" [1.00mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<a href="#">MRS2-XX-U-SMT</a>	0.039" [1.00mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>

# Receptacle Strips

.050" [1.27MM] SINGLE AND DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single and dual row
- .050" [1.27mm] pitch
- Positions: 2 to 80
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech HPH series headers and all industry standard .050" pitch headers with a .016" (0.40mm) square pins.

### PACKAGING:

Anti-ESD plastic bags or tubes  
Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black

Contacts: Phosphor Bronze

#### Contact Plating:

G= Gold over nickel underplate overall  
SG= Gold over nickel underplate on contact area, tin over copper underplate on tails.  
T= Tin over copper underplate

overall

#### Electrical:

Operating voltage: 250V AC max.  
Current rating: 1 Amp max.  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

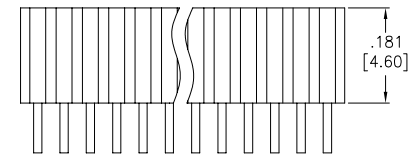
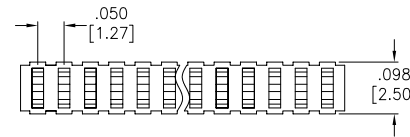
#### Mechanical:

Insertion force: 0.375 lbs per contact max.  
Withdrawal force: 0.125 lbs per contact min.  
Mating durability: 500 cycles min.

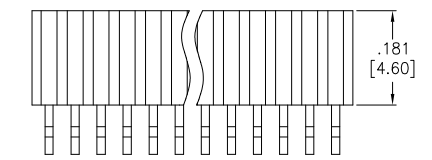
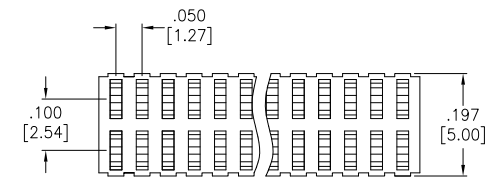
#### Temperature Rating:

Operating temperature: -40°C to +105°C

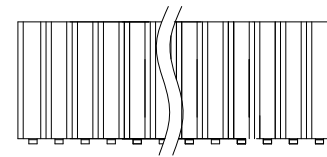
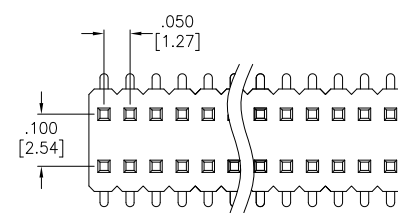
### HRS-1B



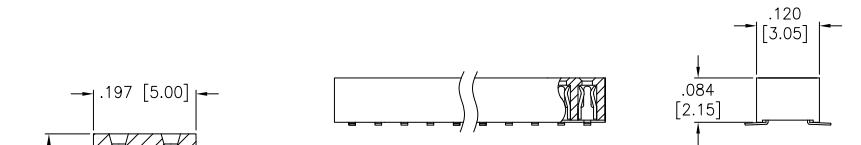
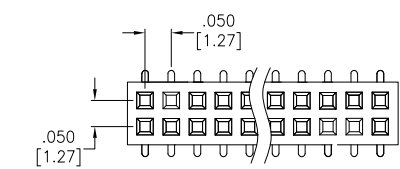
### HRS-2B



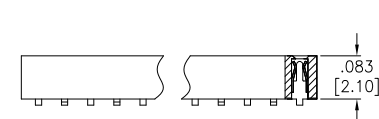
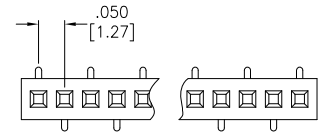
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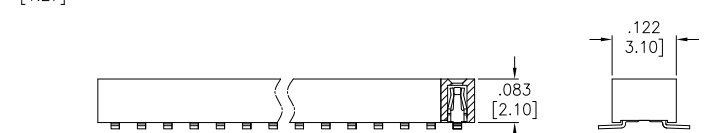
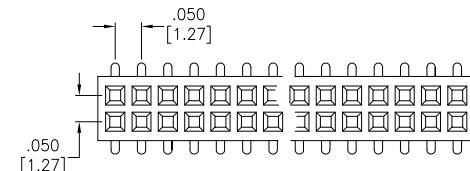
### HRS-2C



### HRS-1L



### HRS-2L



## PART NUMBER CONFIGURATION

HRS	-	1A	-	50	-	G	-	A	-	P
SERIES		NO. OF ROWS / PROFILE		POSITIONS		PLATING		SOLDER TAIL LENGTH		OPTIONS
HRS = .050" Receptacle Strip		See Below:		02 thru 40 (single row) 04 thru 80 (dual row)		G = Gold plated T = Tin plated SG = Gold plating in contact area tin plating on solder tails		A = Standard solder tail for .062"~.125" PCB thickness SMT = Surface mount leads (2C, 2E, 2F, 2G only) SMT-A = Surface mount leads Type A (1F, 1G only) SMT-B = Surface mount leads Type B (1F, 1G only)		Add designator(s) to end of part number P = Guide Pegs HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) PP = With Cap KT = With Mylar T/R = Tape & Reel packaging

- 1A = Single Row, Standard Profile H=8.50, W=2.50
- 1B = Single Row, Low Profile H=4.60, W=2.50
- 1BY = Single Row, Low Profile H=4.60, W=2.50
- 1BE = Single Row, Low Profile H=2.00, W=1.80
- 1BP = Single Row, .181" Height H=4.60, W=2.60
- 1C = Single Row, .085" Height H=2.15, W=1.80
- 1E = Single Row, .134" Height, (SMT or PCB) H=3.40, W=2.20
- 1F = Single Row (SMT), .224" Height H=5.70, W=2.50
- 1G = Single Row, .077" Height, Top Entry, (SMT) H=1.95, W=1.80
- 1K = Single Row, .169" Height H=4.30, W=2.20
- 1KW = Single Row, .173" Height H=4.40, W=1.80
- 1KY = Single Row, .169" Height H=4.30, W=2.20
- 1L = Single Row, .083" Height H=2.10, W=1.80
- 1LY = Single Row, .083" Height, (SMT) H=2.10, W=2.20
- HRS1R = Single Row, Right angle H=4.40, W=1.80
- HRS1R-SMT = Single Row, Right angle H=4.30, W=1.80

- 2A = Dual Row, Standard, Profile .050"x.100" H=8.50, W=5.20
- 2B = Dual Row, Low Profile, .050"x.100" H=4.60, W=5.00
- 2BE = Dual Row, Low Profile, .050"x.100" H=2.00, W=3.10
- 2BEY = Dual Row, Low Profile, .050"x.100" H=2.00, W=3.00
- 2C = Dual Row, Low Profile, .050"x.050" H=2.15, W=3.05
- 2E = Dual Row, .134" Height, .050"x.050" H=3.40, W=3.05
- 2F = Dual Row, .230" Height, .050"x.100" H=5.75, W=5.00
- 2FW = Dual Row, .224" Height, .050"x.100" H=5.70, W=5.00
- 2FY = Dual Row, .224" Height, .050"x.100" H=5.70, W=5.00
- 2G = Dual Row, .085" Height, .050"x.050" H=2.15, W=3.05

- H=2.15, W=3.05
- H=2.00, W=3.00 (Terminal : 0.32X0.10)
- 2H = Dual Row, .173" Height, .050"x.050" H=4.40, W=3.00
- H=4.40, W=3.10
- H=4.30, W=2.97
- 2J = Dual Row, .083" Height, .050"x.050" H=2.10, W=3.10
- 2K = Dual Row, .169" Height, .050"x.050" H=4.30, W=3.10
- 2KY = Dual Row, .169" Height, .050"x.050" H=4.30, W=3.00
- 2L = Dual Row, .083" Height, .050"x.050" H=2.10, W=3.10
- 2LY = Dual Row, .083" Height, .050"x.050" H=2.10, W=3.00

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
HRS-1B-XX-GA	0.050" [1.27mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
HRS-2B-XX-GA	0.050" [1.27mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
HRS-2C-XX-G-SMT-P	0.050" [1.27mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
HRS-2C-XX-SG-SMT-P	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
HRS-2FY-XX-SG-SMT	0.050" [1.27mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>



# Receptacle Strips

.079" [2.0MM] SINGLE AND DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single and dual row
- .079" [2.0mm] pitch
- Positions: 2 to 80
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech 2PH series headers and all industry standard 2.0mm pitch headers with a .020" (0.50mm) square pins.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

- Insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black
- Contacts: Phosphor Bronze

### Contact Plating:

- G = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

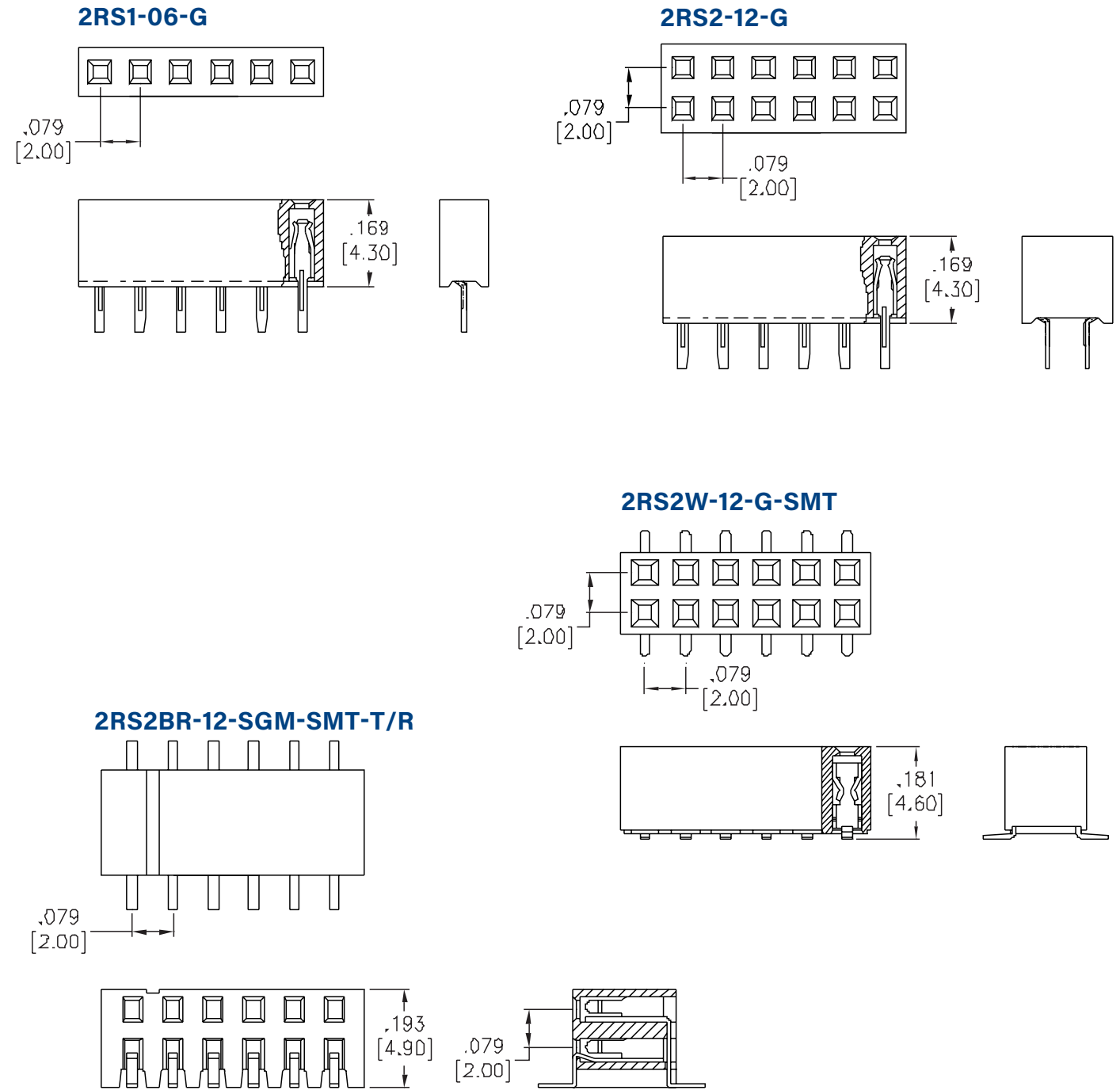
- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

- Insertion force: 0.375 lbs per contact max.
- Withdrawal force: 0.125 lbs per contact min.
- Mating durability: 500 cycles min.

### Temperature Rating:

- Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

**2RS1- 40 - G - P**

SERIES	POSITIONS	PLATING	OPTIONS
See chart	<b>02 thru 40</b> (single row) <b>04 thru 80</b> (dual row)	<b>G</b> = Gold plated <b>T</b> = Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	Add designator(s) to end of part number <b>SMT</b> = SMT leads with Hi-Temp insulator dual row <b>SMT-A</b> = SMT Single Row Type A with Hi-Temp insulator <b>SMT-B</b> = SMT Single Row Type B with Hi-Temp insulator <b>P</b> = Optional guide peg on SMT version <b>PP</b> = Pick and place pad <b>KT</b> = With Mylar <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>T/R</b> = Tape & Reel packaging

### SERIES INDICATOR CHART

- 2RS1** = 2.00mm Single Row, Vertical Mount, Receptacle
- 2RS2** = 2.00mm Dual Row, Vertical Mount, Receptacle
- 2RS2W** = 2.00mm Dual Row, Vertical Mount, .169" Height Dual Entry Receptacle .157" Width, Narrow Type
- 2RS1R** = 2.00mm Single Row, Right Angle, Receptacle
- 2RS2R** = 2.00mm Dual Row, Right Angle, Receptacle
- 2RS4** = 2.00mm 4 Row, Vertical Mount, Receptacle
- 2RS2BR** = 2.00mm Dual Row, Right Angle, 3-Sided Contact Receptacle

- 2RS1BRL** = 2.00mm Single Row, Side Entry, .079" Height .177" Width
- 2RS2BRL** = 2.00mm Dual Row, Side Entry, .157" Height .201" Width
- 2RS1H** = 2.00mm Single Row, Vertical Mount, .248" Height Receptacle
- 2RS2H** = 2.00mm Dual Row, Vertical Mount, .248" Height Receptacle
- 2RS2T** = 2.00 mm Dual Row, Surface Mount, .110" Height, Top Entry Receptacle
- 2RS2B** = 2.00mm Dual Row, Surface Mount, .106" Height, Bottom Entry Receptacle
- 2RS1L** = 2.00mm Single Row, Vertical Mount, Receptacle .157" Height .098" Width (wcon)
- 2RS2L** = 2.00mm Dual Row, Vertical Mount, .157" Height Receptacle

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<b>2RS1-XX-G</b>	0.079" [2.00mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<b>2RS1-XX-SG</b>	0.079" [2.00mm]	Single Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<b>2RS1-XX-T</b>	0.079" [2.00mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
<b>2RS2-XX-G</b>	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<b>2RS2-XX-SG</b>	0.079" [2.00mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<b>2RS2-XX-T</b>	0.079" [2.00mm]	Dual Row	Tin	Vertical Through Hole	<a href="#">View</a>
<b>2RS2R-XX-G</b>	0.079" [2.00mm]	Dual Row	Gold	Right Angle Through Hole	<a href="#">View</a>
<b>2RS2R-XX-SG</b>	0.079" [2.00mm]	Dual Row	Selective Gold	Right Angle Through Hole	<a href="#">View</a>
<b>2RS2R-XX-T</b>	0.079" [2.00mm]	Dual Row	Tin	Right Angle Through Hole	<a href="#">View</a>

# Receptacle Strips

.079" [2.0MM] SINGLE AND DUAL ROW ELEVATED

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single and dual row
- .079" [2.0mm] pitch
- Positions: 2 to 80
- Elevated
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech 2PH series headers and all industry standard 2.0mm pitch headers with a .020" (0.50mm) square pins.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

#### Contact Plating:

- G = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

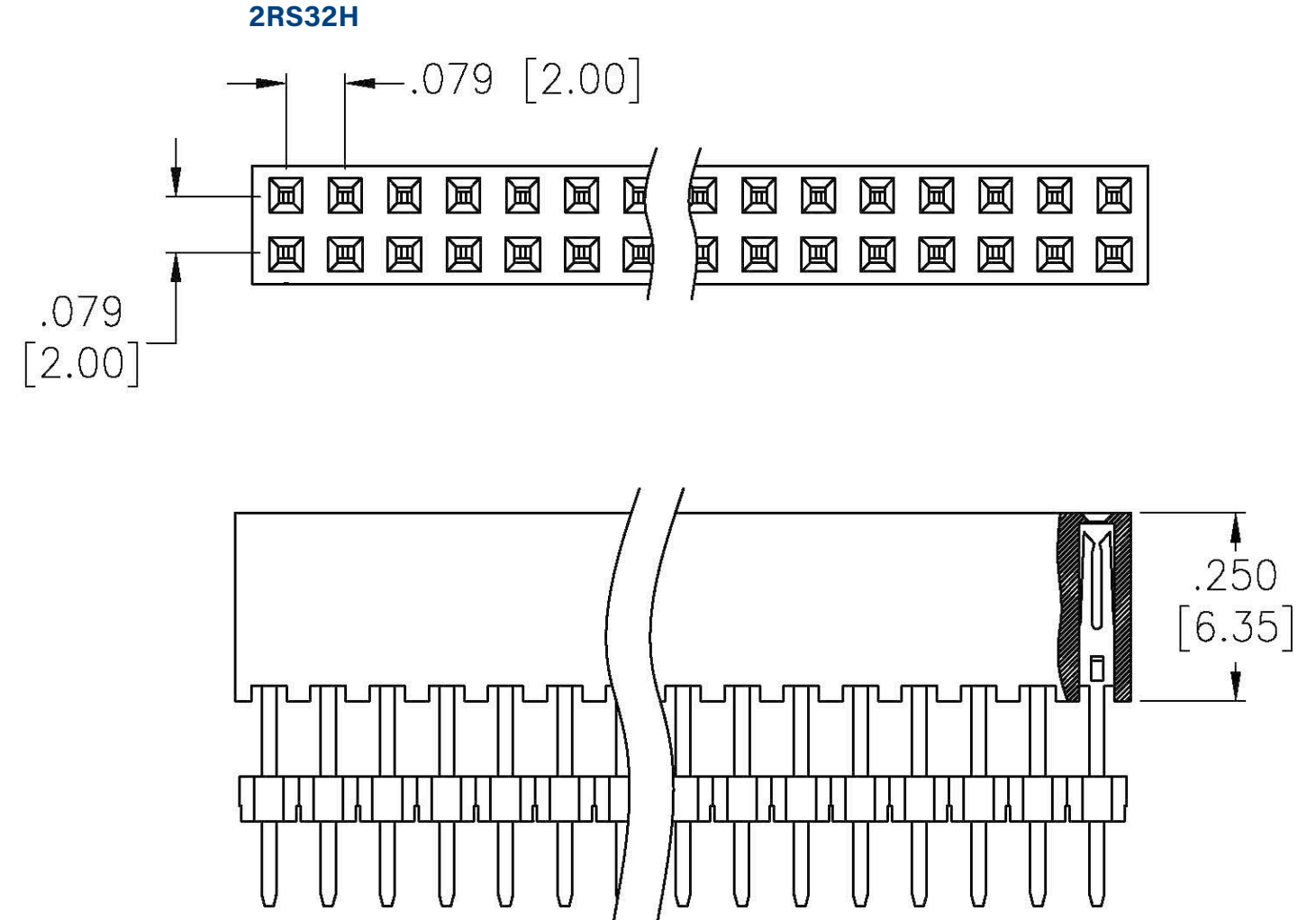
- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Insertion force: 0.375 lbs per contact max.
- Withdrawal force: 0.125 lbs per contact min.
- Mating durability: 500 cycles min.

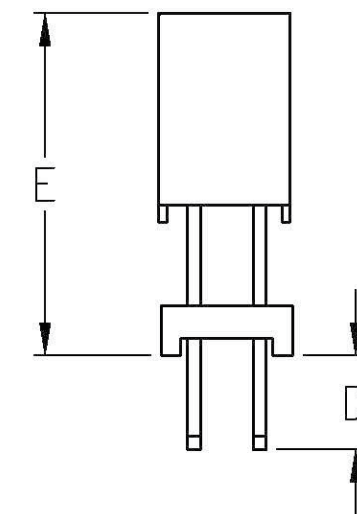
#### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

2RSE2H	- 1H	- 20	- SG	- .XXX"/.XXX"	- HT
SERIES	NO. OF ROWS	POSITIONS	PLATING	STACKING DIMENSIONS	OPTIONS
<b>2RSE2H</b> = 2.0mm Receptacle Strip Elevated	<b>1H</b> = Single row <b>2H</b> = Dual row	<b>02 thru 40</b> (single row) <b>04 thru 80</b> (dual row)	<b>G</b> = Gold plated <b>T</b> = Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	Specified In Inches As: D" Dim. / "E" Dim.	Add designator(s) to end of part number <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C



PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
2RSE2H-XX-G-XXX-YYY-HT	0.079" [2.00mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>

# Receptacle Strips

.100" [2.54MM] SINGLE AND DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single and dual row
- .100" [2.54mm] pitch
- Positions: 1 to 80
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech PH series .100" pitch pin headers and all industry standard pin headers with a .025" (0.64mm) square pin.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

#### Contact Plating:

- G = Gold over nickel underplate overall
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Electrical:

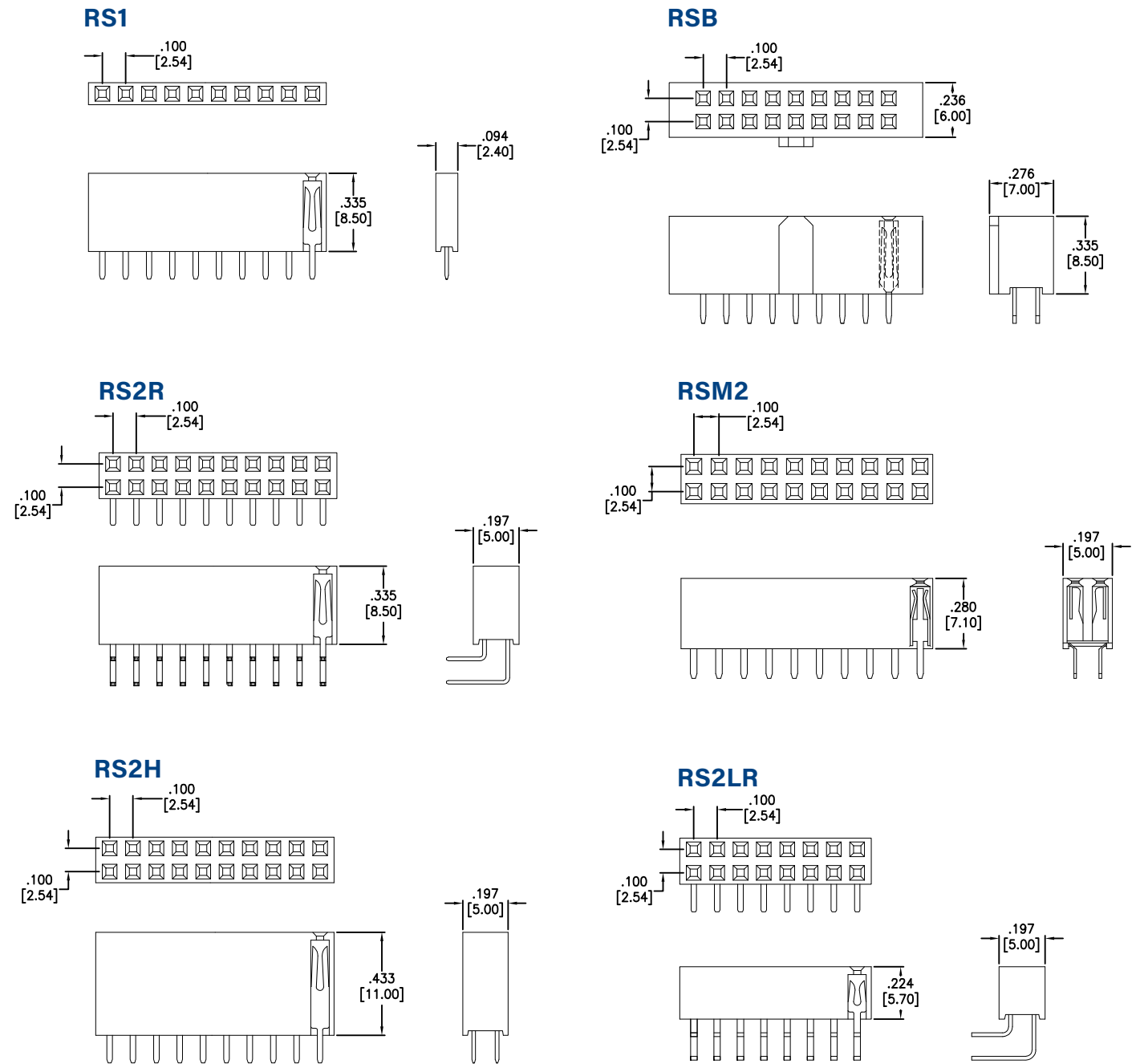
- Operating voltage: 250V AC max.
- Current rating: 3 Amps max.
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Insertion force: 0.375 lbs per contact max.
- Withdrawal force: 0.125 lbs per contact min.
- Mating durability: 500 cycles min.

#### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

**RS1 - 10 - G - P**

SERIES	POSITIONS	PLATING	OPTIONS
<b>RS1</b> = Single row vertical mount receptacle .335 [8.50] Insulator height	<b>02 thru 40</b> (single row)	<b>G</b> = Gold plated <b>T</b> = Tin plated	Add designator(s) to end of part number <b>SMT</b> = SMT Dual row with Hi-Temp insulator
<b>RS1R</b> = Single row right angle mount receptacle .335 [8.50] Insulator height	<b>04 thru 80</b> (dual row)	<b>SG</b> = Gold plating in contact area	<b>SMT-A</b> = SMT Single Row Type A with Hi-Temp insulator
<b>RS2</b> = Dual row vertical mount receptacle .335 [8.50] Insulator height	<b>08 thru 120</b> (four row)	tin plating on solder tails	<b>SMT-B</b> = SMT Single Row Type B with Hi-Temp insulator
<b>RS2R</b> = Dual row right angle mount receptacle .335 [8.50] Insulator height			<b>P</b> = Optional guide peg on SMT version
<b>RS2H</b> = Dual row vertical mount receptacle .433 [11.00] Insulator height			<b>HT</b> = Hi-Temp Insulator (thru-hole products only)
<b>RSB</b> = Dual row straight PCB mount with polarization bump and keyed corner contacts .335 [8.50] Insulator height			<b>T/R</b> = Tape & Reel packaging
<b>RSBR</b> = Dual row right angle PCB mount with polarization bump and keyed corner contacts .335 [8.50] Insulator height			<b>PB</b> = Polarizing Bump
<b>RSM1</b> = Single row surface mount .280 [7.10] Insulator height			<b>PP</b> = Pick and place cap
<b>RSM2</b> = Dual row surface mount .280 [7.10] Insulator height			
<b>RS2L</b> = Dual row vertical mount receptacle .224 [5.70] Insulator height			
<b>RS2LR</b> = Dual row right angle mount receptacle .224 [5.70] Insulator height			

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<b>RS1-XX-G</b>	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<b>RS1-XX-SG</b>	0.100" [2.54mm]	Single Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<b>RS1-XX-T</b>	0.100" [2.54mm]	Single Row	Tin	Vertical Through Hole	<a href="#">View</a>
<b>RS2-XX-G</b>	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<b>RS2-XX-SG</b>	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Through Hole	<a href="#">View</a>
<b>RS2-XX-T</b>	0.100" [2.54mm]	Dual Row	Tin	Vertical Through Hole	<a href="#">View</a>
<b>RS2BE-XX-G-SMT</b>	0.100" [2.54mm]	Dual Row	Gold	Vertical Surface Mount	<a href="#">View</a>
<b>RS2BE-XX-SG-SMT-P</b>	0.100" [2.54mm]	Dual Row	Selective Gold	Vertical Surface Mount	<a href="#">View</a>
<b>RS2BE-XX-T-SMT-PP</b>	0.100" [2.54mm]	Dual Row	Tin	Vertical Surface Mount	<a href="#">View</a>
<b>RS2BR-XX-G</b>	0.100" [2.54mm]	Dual Row	Gold	Right Angle Through Hole	<a href="#">View</a>
<b>RS2BR-XX-SG</b>	0.100" [2.54mm]	Dual Row	Selective Gold	Right Angle Through Hole	<a href="#">View</a>
<b>RS2BR-XX-T-HT</b>	0.100" [2.54mm]	Dual Row	Tin	Right Angle Through Hole	<a href="#">View</a>
<b>RS2R-XX-SG</b>	0.100" [2.54mm]	Dual Row	Selective Gold	Right Angle Through Hole	<a href="#">View</a>

# Receptacle Strips

.100" [2.54MM] SINGLE AND DUAL ROW ELEVATED

## FEATURES & SPECIFICATIONS

### FEATURES:

- Single and dual row
- .100" [2.54mm] pitch
- Positions: 1 to 80
- Elevated
- Broad range of sizes and profiles
- Contact systems with high normal force
- Choice of contact plating
- SMT pick & place option
- Optional Tape & reel packaging

### MATING CONNECTORS:

Adam Tech PH series .100" pitch pin headers and all industry standard pin headers with a .025" (0.64mm) square pin.

### PACKAGING:

- Anti-ESD plastic bags or tubes
- Tape and Reel available for SMT option

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

#### Contact Plating:

G = Gold over nickel underplate overall  
 SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.  
 T = Tin over copper underplate overall

#### Electrical:

Operating voltage: 250V AC max.  
 Current rating: 3 Amps max.  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

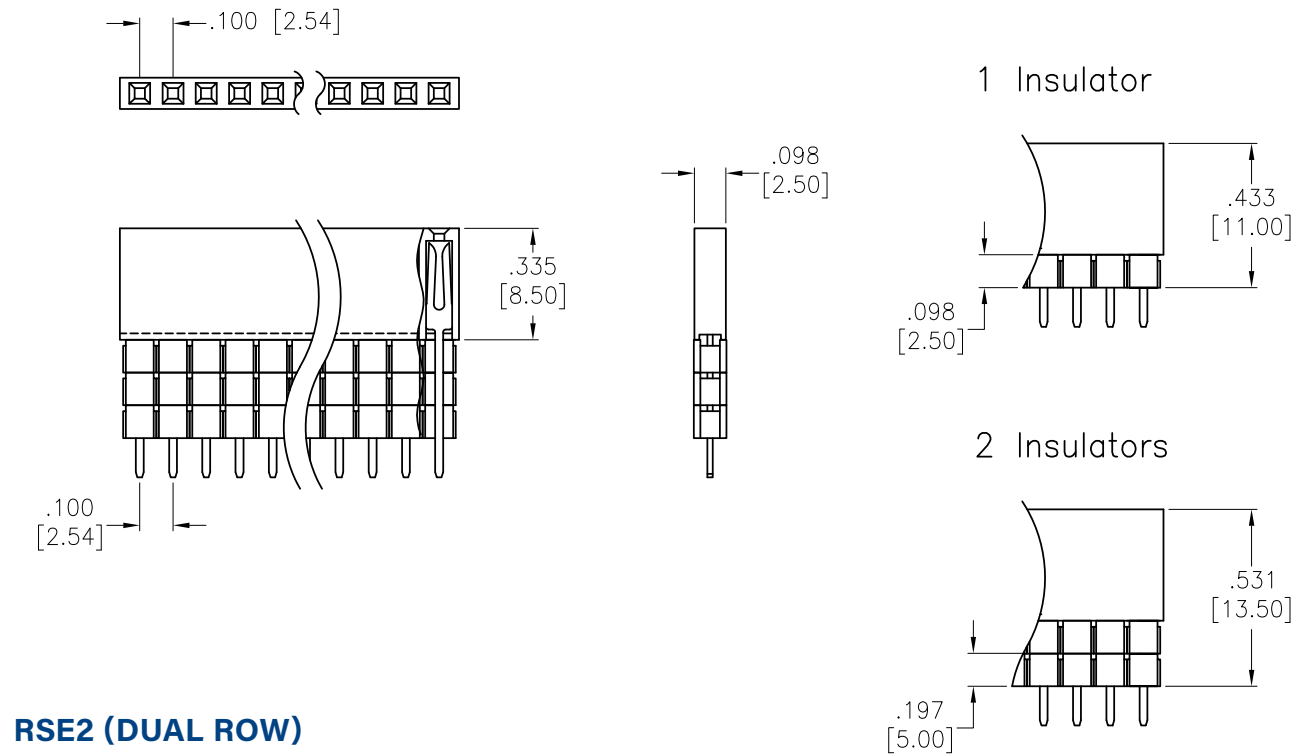
#### Mechanical:

Insertion force: 0.375 lbs per contact max.  
 Withdrawal force: 0.125 lbs per contact min.  
 Mating durability: 500 cycles min.

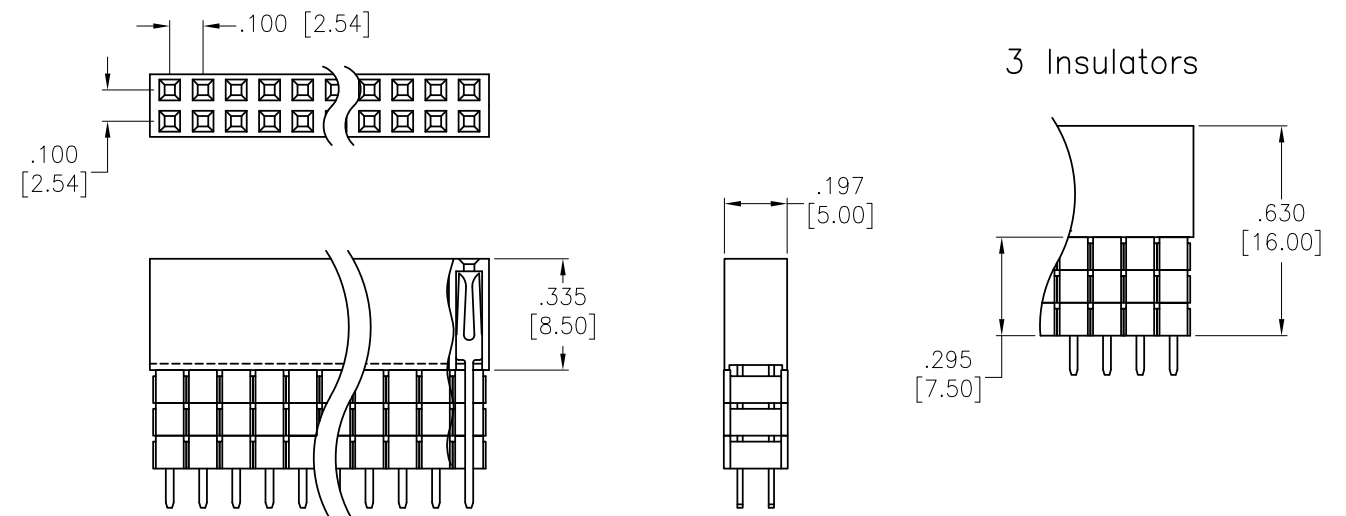
#### Temperature Rating:

Operating temperature: -40°C to +105°C

## RSE1 (SINGLE ROW)



## RSE2 (DUAL ROW)



## PART NUMBER CONFIGURATION

**RSE1 - 1 - 20 - G - X**

SERIES	HEIGHT	POSITIONS	PLATING	TAIL LENGTH
<b>RSE1</b> = Single row vertical elevated socket strip	<b>1</b> = .433 [11.0] <b>2</b> = .531 [13.50] <b>3</b> = .630 [16.0]	<b>01 thru 40</b> (single row) <b>02 thru 80</b> (dual row)	<b>G</b> = Gold plated <b>T</b> = Tin plated <b>SG</b> = Gold plating in contact area tin plating on solder tails	See Drawing

PART NUMBER	PITCH	ROWS	PLATING	MOUNTING ORIENTATION	PRODUCT DATA
<a href="#">RSE1-1-XX-G-X</a>	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">RSE1-2-XX-G-X</a>	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">RSE1-3-XX-G-X</a>	0.100" [2.54mm]	Single Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">RSE2-1-XX-G-X</a>	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">RSE2-2-XX-G-X</a>	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>
<a href="#">RSE2-3-XX-G-X</a>	0.100" [2.54mm]	Dual Row	Gold	Vertical Through Hole	<a href="#">View</a>

Adam Tech SATA and eSATA series Serial ATA connectors combine hot-plug capability with a combination of power and signal contacts in a blind-mate design. They are ideal for connecting disc drives to backplanes in servers or network equipment. Adam Tech SATA connectors are designed with differential-pair signaling technology and are precision manufactured to consistently perform at speeds up to 3.0 Gbits/s.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Meets SCA Interconnection Standards  
40P Fiber Channel and 80P SCSI compatible  
Interchangeable Industry Standard Design

#### MATING CONNECTORS:

Adam Tech SATA & eSATA series plugs and all industry standard SATA plugs.

#### PACKAGING:

Anti-ESD plastic trays or tubes

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: Hi-Temp thermoplastic, glass filled, rated UL94V-0

Insulator Color: Black

Contacts: Phosphor Bronze

##### Plating:

Gold over nickel underplate on mating area, tin over copper underplate on tails

##### Electrical:

Operating Voltage: 30V AC

Current Rating: 1.5 Amps Max.

Contact Resistance: 30 mΩ Max. initial

Insulation Resistance: 1000 MΩ Min.

Dielectric Withstanding Voltage: 500V AC for 1 Minute

##### Mechanical:

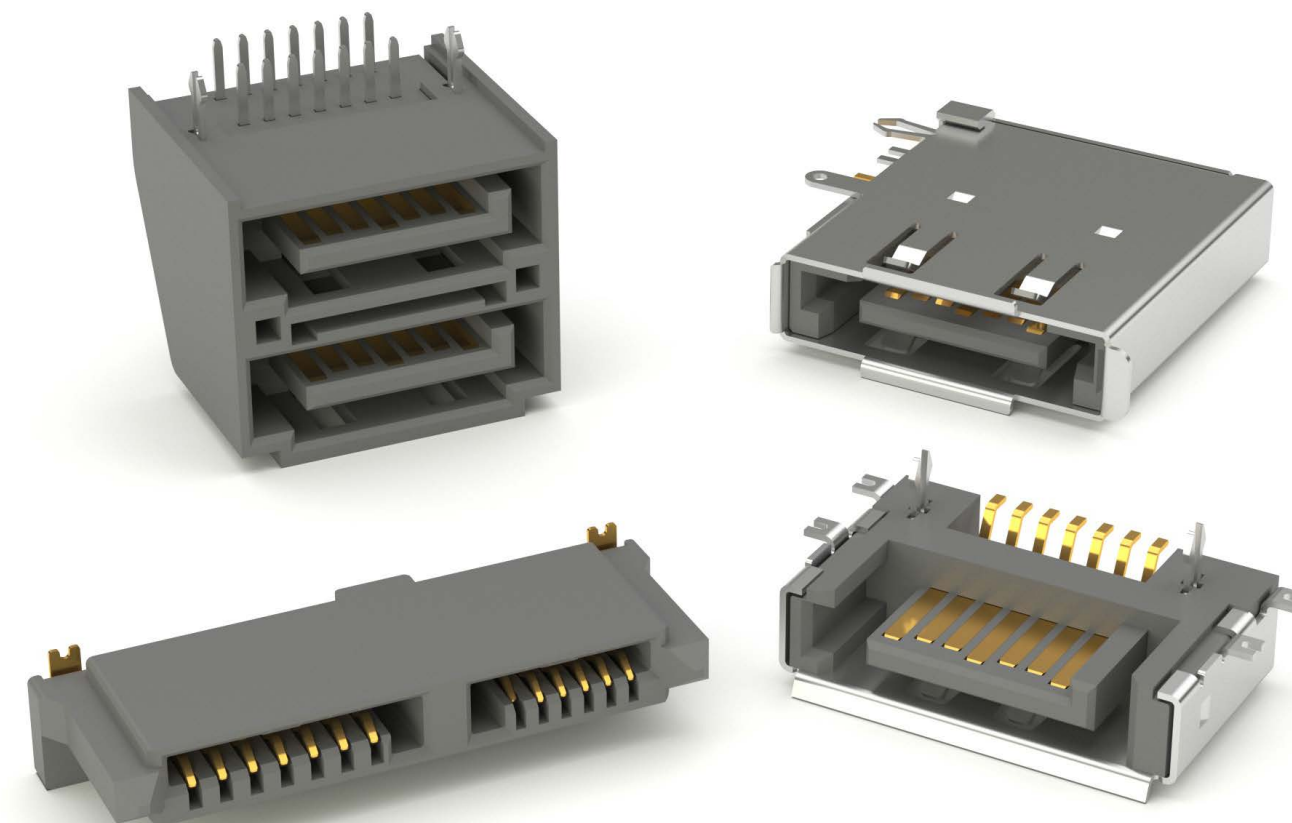
Insertion force: 10.20 lbs max.

Withdrawal force: 2.25 lbs min.

##### Temperature Rating:

Operating Temperature: -55°C to +85°C

Soldering process temperature: 260°C



PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
<a href="#">SATA-3A-PL-VT-K</a>	Male	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-7P-F-0M</a>	Female	Solder Overmolding Type	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-PL-SMT-K</a>	Male	Right Angle Surface Mount	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-PL-SMT-K-15</a>	Male	Right Angle Surface Mount	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-PL-SMT-K-15-KT-TR</a>	Male	Right Angle Surface Mount	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-PL-VT-K</a>	Male	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A-PL-VT-K-X</a>	Male	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A1-PL-RT-K</a>	Male	Right Angle Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A11-PM-SMT</a>	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A12-PM-SMT-P-30-R</a>	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A13-PM-SMT-P-E-15</a>	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A14-PM-SMT</a>	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A16-PL-VT-K</a>	Male	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A2-PM-VSMT-P</a>	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A3-PL-VT-K</a>	Male	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>
<a href="#">SATA-A4-PM-VT-15</a>	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A4-PM-VT-P-01-30</a>	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A4-PM-VT-SMT</a>	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
<a href="#">SATA-A5-PR-SMT</a>	Male	Right Angle Surface Mount	Single	Right Polarization	<a href="#">View</a>
<a href="#">SATA-A5-PR-SMT-PEG</a>	Male	Right Angle Surface Mount	Single	Right Polarization	<a href="#">View</a>
<a href="#">SATA-A6-NP-VT</a>	Male	Vertical Thru Hole	Single	No Polarization	<a href="#">View</a>
<a href="#">SATA-A7-NP-RT</a>	Male	Right Angle Thru Hole	Single	No Polarization	<a href="#">View</a>

### PART NUMBER CONFIGURATION

SATA	-	A	-	PL	-	VT	-	K
SERIES	BODY STYLE	POLARIZATION	MOUNTING	OPTIONS:				
<b>SATA</b> = Serial ATA Connector	<b>A</b> thru <b>Z</b>	<b>PL</b> = Left Polarization <b>PR</b> = Right Polarization <b>PM</b> = Type G <b>NP</b> = No Polarization	<b>VT</b> = Vertical Thru-hole <b>RT</b> = Right Angle Thru-hole <b>SM</b> = Straddle mount <b>SMT</b> = Surface mount	Add designator(s) to end of part number <b>K</b> = Key <b>S</b> = Side slots (type D) <b>P</b> = Locating Pegs				

PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
SATA-A8-PM-SM-30	Male	Straddle Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-A9-PR-RT-15	Male	Right Angle Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-A9-PR-RT-F-S-15	Male	Solder Type	Single	Right Polarization	<a href="#">View</a>
SATA-B-PL-SMT-K-BL	Male	Right Angle Surface Mount	Single	Left Polarization	<a href="#">View</a>
SATA-B-PR-RT	Male	Right Angle Thru Hole	Single	Right Polarization	<a href="#">View</a>
SATA-C-PL-SMT-K	Male	Right Angle Surface Mount	Single	Left Polarization	<a href="#">View</a>
SATA-C-PR-SMT-K-15	Male	Right Angle Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-C-PR-VT-BL-15	Male	Vertical Thru Hole	Single	Right Polarization	<a href="#">View</a>
SATA-C-PR-VT-P-LI-15	Male	Vertical Thru Hole	Single	Right Polarization	<a href="#">View</a>
SATA-CI-PR-SMT-K-15	Male	Right Angle Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-C2-PR-VT-SMT-K	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-CH-A-15P	Female	Crimp and poke	Single	No Polarization	<a href="#">View</a>
SATA-CH-B-15P	Female	Crimp and poke	Single	No Polarization	<a href="#">View</a>
SATA-CTA-SG-R	Female		Single		<a href="#">View</a>
SATA-CTB-SG-R	Female		Single		<a href="#">View</a>
SATA-D-PL-RT	Male	Right Angle Thru Hole	Dual	Left Polarization	<a href="#">View</a>
SATA-D-PL-SMT-S-K	Male	Right Angle Surface Mount	Dual	Left Polarization	<a href="#">View</a>
SATA-D-PL-SMT-S-OB-TR	Male	Right Angle Surface Mount	Dual	Left Polarization	<a href="#">View</a>
SATA-D-SMT-FS-001	Male	Right Angle Surface Mount	Dual	Left Polarization	<a href="#">View</a>
SATA-E-PR-SMT-K	Male	Right Angle Surface Mount	Dual	Left Polarization	<a href="#">View</a>
SATA-F-PL-VT-K-P	Male	Vertical Thru Hole	Dual	Left Polarization	<a href="#">View</a>
SATA-G-PM-001	Male	SMT Straddle Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G-PM-SM	Male	Straddle Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G-PM-SM-PDG	Male	SMT Straddle Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G-PM-SMT	Male	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G-PM-SMT-PDG	Male	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G-PM-VT-15	Male	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-G1-PM-SMT	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G2-PM-SMT-RT	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G2-PM-SMT-RT-15	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G2-PM-SMT-RT-5	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G2-PM-SMT-RT-R-15	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-G3-PM-F-OM	Female	Solder Overmolding Type	Dual	Middle Polarization	<a href="#">View</a>
SATA-G4-PM-SMT-RA-TR	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-H-PM-RT-15	Female	Right Angle Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-H-PM-SMT	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-H-PM-SMT-FS-PG-R	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-J-NP-RT-P-S-PG-1	Male	Right Angle Thru Hole	Single	No Polarization	<a href="#">View</a>
SATA-J-NP-RT-P-S-PG-2	Male	Right Angle Thru Hole	Single	No Polarization	<a href="#">View</a>
SATA-J-NP-SMT-P-S-PG	Male	Right Angle Surface Mount	Single	No Polarization	<a href="#">View</a>
SATA-J-NP-SMT-P-S-PG-15	Male	Right Angle Surface Mount	Single	No Polarization	<a href="#">View</a>
SATA-J-NP-SMT-P-S-PG-15-TR	Male	Right Angle Surface Mount	Single	No Polarization	<a href="#">View</a>
SATA-J-NP-SMT-P-S-PG-TR	Male	Right Angle Surface Mount	Single	No Polarization	<a href="#">View</a>
SATA-M-PM-SM	Female	Straddle Mount	Dual	Middle Polarization	<a href="#">View</a>

PART NUMBER	GENDER	MOUNTING ORIENTATION	STYLE	POLARIZATION	PRODUCT DATA
SATA-M-PM-VT	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-N-PM-VT-02	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-N-PM-VT-03-15	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-N-PM-VT-04-15	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-N-PM-VT-SMT-02	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-P-PR-1-SMT	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-1-SMT-15-KT-TR	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-SMT	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-SMT-15	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-SMT-G01	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-SMT-G03	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-SMT-KT-TR	Male	Vertical Surface Mount	Single	Right Polarization	<a href="#">View</a>
SATA-P-PR-VT	Male	Vertical Thru Hole	Single	Right Polarization	<a href="#">View</a>
SATA-Q-PM-SMT-30	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-Q-PM-SMT-R	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-R-PM-SMT	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-R-PM-SMT-PP-TR	Female	Vertical Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-R-PM-VT	Female	Vertical Thru Hole	Dual	Middle Polarization	<a href="#">View</a>
SATA-S-PM-SMT	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-SI-PM-SMT-R-PP-HF-TR	Male	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-V-PM-RT	Female	Right Angle Surface Mount	Dual	Middle Polarization	<a href="#">View</a>
SATA-W-NP-RA-X	Female	Right Angle Thru Hole	Single	No Polarization	<a href="#">View</a>
SATA-W-NP-RU	Female	Right Angle Upright Thru Hole	Single	No Polarization	<a href="#">View</a>
SATA-W-NP-VT-SMT	Female		Single	No Polarization	<a href="#">View</a>
SATA-Y-PR-SM	Male	Straddle Mount	Dual	Right Polarization	<a href="#">View</a>
SATA-Z-PL-CM	Female	Solder Type	Single	Left Polarization	<a href="#">View</a>
SATA-Z-PL-VT-PC-15	Female	Vertical Thru Hole	Single	Left Polarization	<a href="#">View</a>

Adam Tech Shrouded Headers are a dual row shrouded header for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Elevated for Stacking applications
- Low Profile design
- Straight, Right Angle & SMT mounting options
- Standard or customer specified Stacking Heights & PCB tail lengths

### PACKAGING:

- Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

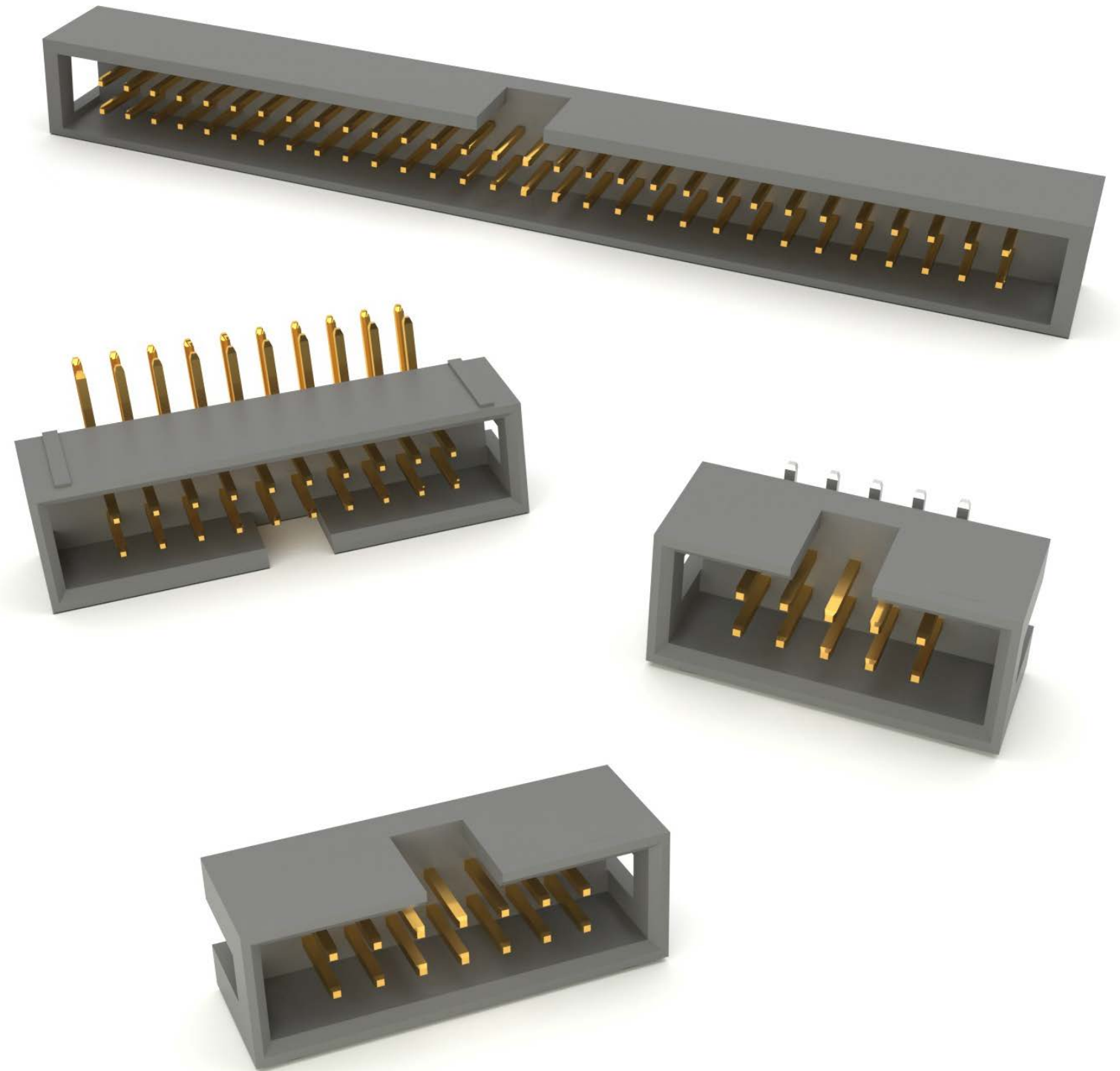
- Insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black (Gray optional)
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Temperature Rating:

- Operating temperature: -40°C to +105°C



## FEATURES & SPECIFICATIONS

### FEATURES:

Dual row  
 .050" [1.27mm] pitch  
 Positions: 10 to 100  
 Elevated for Stacking applications  
 Low Profile design  
 Straight, Right Angle & SMT mounting options  
 Standard or customer specified Stacking  
 Heights & PCB tail lengths

### MATING SOCKETS:

Mates with all industry standard .050" [1.27mm] pitch dual row IDC sockets.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0

Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0

Insulator Color: Black (Gray optional)

Contacts: Brass

#### Plating:

U = Gold over nickel underplate  
 SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.  
 T = Tin over copper underplate overall

#### Electrical:

Operating voltage: 250V AC max.  
 Current rating: 1 Amp max  
 Contact resistance: 20 mΩmax. initial  
 Insulation resistance: 5000 MΩmin.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 500 cycles min.

#### Temperature Rating:

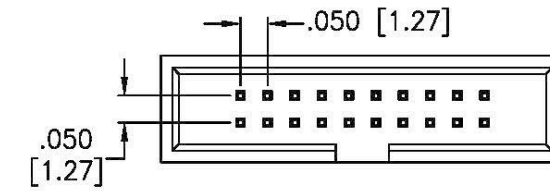
Operating temperature: -40°C to +105°C

## PART NUMBER CONFIGURATION

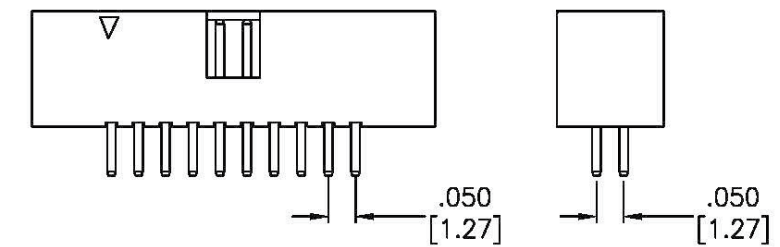
HBHR	-	20	-	V	-	SG	-	SMT
SERIES		POSITIONS		MOUNTING ANGLE		CONTACT PLATING		OPTIONS:
<b>HBHR-B</b> = Box header .050" x .050" H= .213 [5.40], W= .201 [5.10] <b>B2</b> = H= .213 [5.40], W= .197 [5.00]		<b>10, 20, 30, 40, 50, 60, 70, 80, 90, 100</b>		<b>V</b> = Straight Mount <b>H</b> = Right Angle Mount		<b>G</b> = Gold plated <b>SG</b> = Gold plating in contact area, Tin plated solder tails <b>T</b> = Tin plated		Add designator(s) to end of part number <b>SMT</b> = Surface mount leads with Hi-Temp insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>P</b> = With Peg <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging
<b>HBHR-A</b> = Box header .050" x .100" H= .217 [5.50], W= .327 [8.30] <b>A1</b> = H= .228 [5.80], W= .323 [8.20]								

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
<a href="#">HBHR-A-XX-VG</a>	.050" x .100"	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
<a href="#">HBHR-A1-XX-VG-HT</a>	.050" x .100"	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
<a href="#">HBHR-B-XX-HG</a>	.050" x .050"	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
<a href="#">HBHR-B-XX-VG</a>	.050" x .050"	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
<a href="#">HBHR-B-XX-VSG</a>	.050" x .050"	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
<a href="#">HBHR-B-XX-VT-SMT</a>	.050" x .050"	08-64	Vertical, Surface Mount	Tin	<a href="#">View</a>
<a href="#">HBHR-B2-XX-VG-SMT</a>	.050" x .050"	04-100	Vertical, Surface Mount	Gold	<a href="#">View</a>

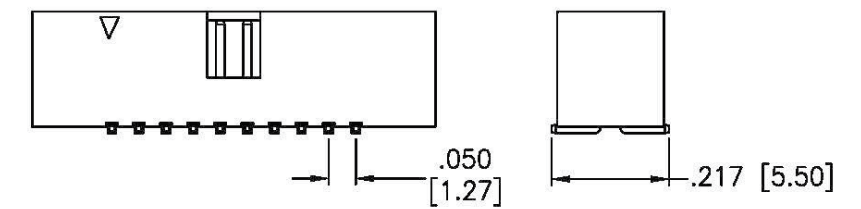
## HBHR-B



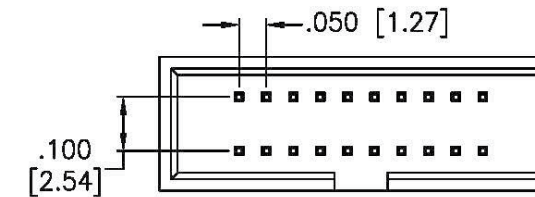
### HBHR-B (.050" X .050") VERTICAL THROUGH HOLE



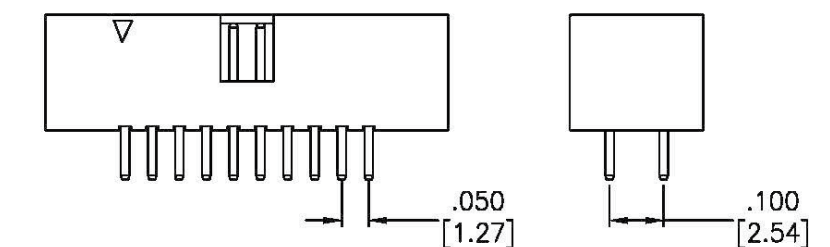
### HBHR-B (.050" X .050") VERTICAL SMT



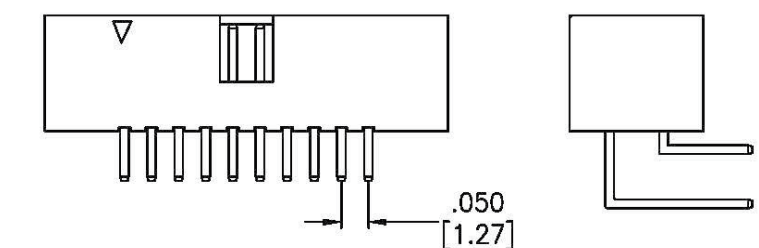
## HBHR-A



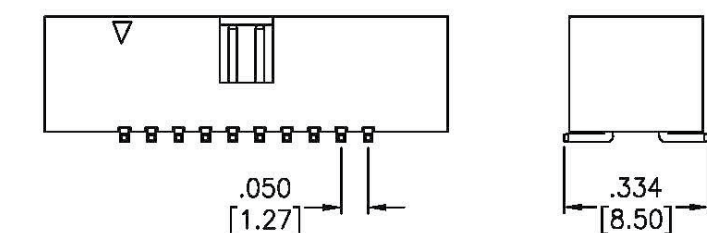
### HBHR-A (.050" X .100") VERTICAL THROUGH HOLE



### HBHR-A (.050" X .100") R/A THROUGH HOLE



### HBHR-A (.050" X .100") VERTICAL SMT





# Shrouded Headers

.079" [2.0MM], DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .079" [2.0mm] pitch
- Positions: 8 to 64
- Elevated for Stacking applications
- Low Profile design
- Straight, Right Angle & SMT mounting options
- Standard or customer specified Stacking
- Heights & PCB tail lengths

### MATING SOCKETS:

Mates with all industry standard .079" [2.0mm] pitch dual row IDC sockets.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

- Insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black (Gray optional)
- Contacts: Brass

### Plating:

- U = Gold over nickel underplate
- SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.
- T = Tin over copper underplate overall

### Electrical:

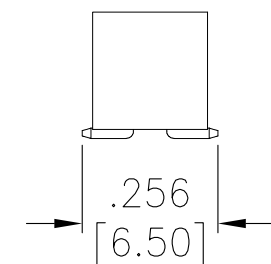
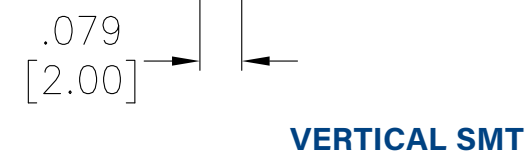
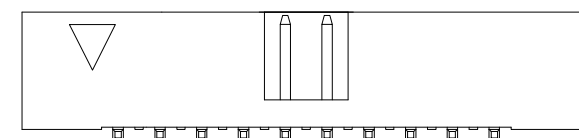
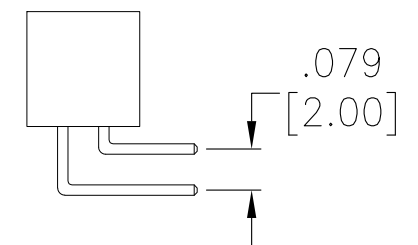
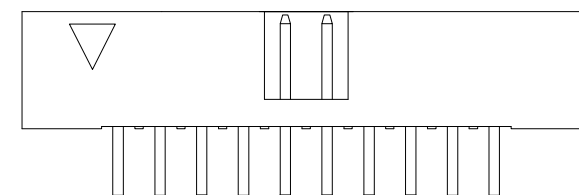
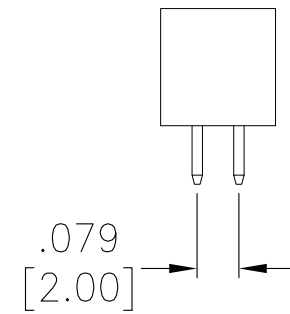
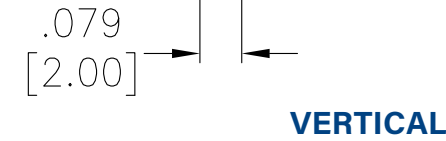
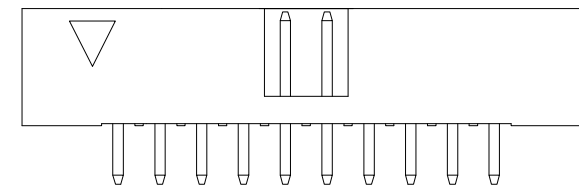
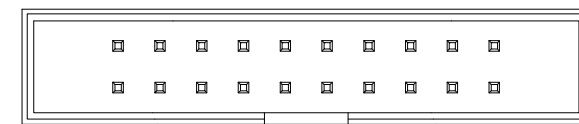
- Operating voltage: 250V AC max.
- Current rating: 1 Amp max
- Contact resistance: 20 mΩ max. initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

### Mechanical:

Mating durability: 500 cycles min.

### Temperature Rating:

Operating temperature: -40°C to +105°C



PART NUMBER CONFIGURATION										
2BHR	-	20	-	V	-	U	-	A	-	SMT
SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	OPTIONS:					
2BHR = 2mm Box Header	08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64	V = Straight Mount H = Right Angle Mount	U = Gold plated SG = Gold plating in contact area, Tin plated solder tails T = Tin plated	A = Standard length solder tail B = Special length, customer specified .XXX = Customized Solder tail length SMT = Surface Mount	Add designator(s) to end of part number 15 = 15 μin gold plating in contact area 30 = 30 μin gold plating in contact area GY = Gray color insulator HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) P = With Peg PP = With Cap T/R = Tape & Reel packaging SS = Side Slots BL = With BoardLocks					
2BHR-A = 2mm Box Header W6.50*H6.05mm										
2BHR-A (SS) = 2mm Box Header W6.30*H6.40mm (window)										
2BHR-A1 (SS) = 2mm Box Header W6.30*H6.40mm										
2BHR-A2 (SS) = 2mm Box Header W6.30*H6.40mm (window center)										
2BHR-A3 = 2mm Box Header W5.50*H5.75mm										

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
2BHR-20-HSGA-USB3-X20	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-20-VUA-USB3-X20	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-34-VSG-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-34-VSG-SMT-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-34-VU-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-34-VU-SMT-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-A-XX-VSGA-SS-SMT-15-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-A1-XX-VSGA-SS-SMT-15-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-A2-XX-HSGA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-A2-XX-VSGA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-A2-XX-VUA-SS	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-A3-XX-VSGA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-A3-XX-VUA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-A3-XX-VUA-SMT-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-HSGA-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGA-HT-10	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGA-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGB-094-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGB-094-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGMA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HSGMA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-HTA	.079" [2.00mm]	08-64	Right Angle, Through Hole	Tin	<a href="#">View</a>
2BHR-XX-HUA	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-HT	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-SS	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-SS-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-SS-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUA-SS-TR	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUB-094-HT-15	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUB-094-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-HUB-104-HT-30	.079" [2.00mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VSG-SMT	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSG-SMT-PP-PT	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSG-SMT-PP-TR	.079" [2.00mm]	06-68	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
2BHR-XX-VSGA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SMT-15-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SMT-30	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-30	.079" [2.00mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-SMT-15-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-SMT-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VSGA-SS-SMT-P-TI51	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHR-XX-VTA	.079" [2.00mm]	08-64	Vertical, Through Hole	Tin	<a href="#">View</a>
2BHR-XX-VTA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Tin	<a href="#">View</a>
2BHR-XX-VTA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Tin	<a href="#">View</a>
2BHR-XX-VU-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VU-SMT-30	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VU-SMT-BL	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-HT-20	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-HT-30	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-PE	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-PP-TR	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SMT-20	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SMT-20-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-15	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-SMT-15-P-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-SMT-P	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-SMT-P-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-SMT-P-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUA-SS-SMT-P-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHR-XX-VUB-138-HT	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHR-XX-VUB-165	.079" [2.00mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHRE-XX-VSG-390-118	.079" [2.00mm]	06-68	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
2BHRE-XX-VU-335-110	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHRE-XX-VU-605-225-20	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHRE-XX-VU-748-130	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHRE-XX-VU-766-085	.079" [2.00mm]	06-68	Vertical, Through Hole	Gold	<a href="#">View</a>
2BHRS-XX-VSG-SMT-PP-TR	.079" [2.00mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
2BHRS-XX-VU-SMT	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>
2BHRS-XX-VU-SMT-PP	.079" [2.00mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>

## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .100" [2.54mm] pitch
- Positions: 8 to 64
- Elevated for Stacking applications
- Low Profile design
- Straight, Right Angle & SMT mounting options
- Standard or customer specified Stacking Heights & PCB tail lengths

### MATING SOCKETS:

Adam Tech .100" X .100" dual row IDC sockets

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
Optional Hi-Temp insulator: Nylon 6T, rated

UL94V-0

Insulator Color: Black (Gray optional)

Contacts: Brass

#### Plating:

U = Gold over nickel underplate  
SG = Gold over nickel underplate on contact area, tin over copper underplate on tails.  
T = Tin over copper underplate overall

#### Electrical:

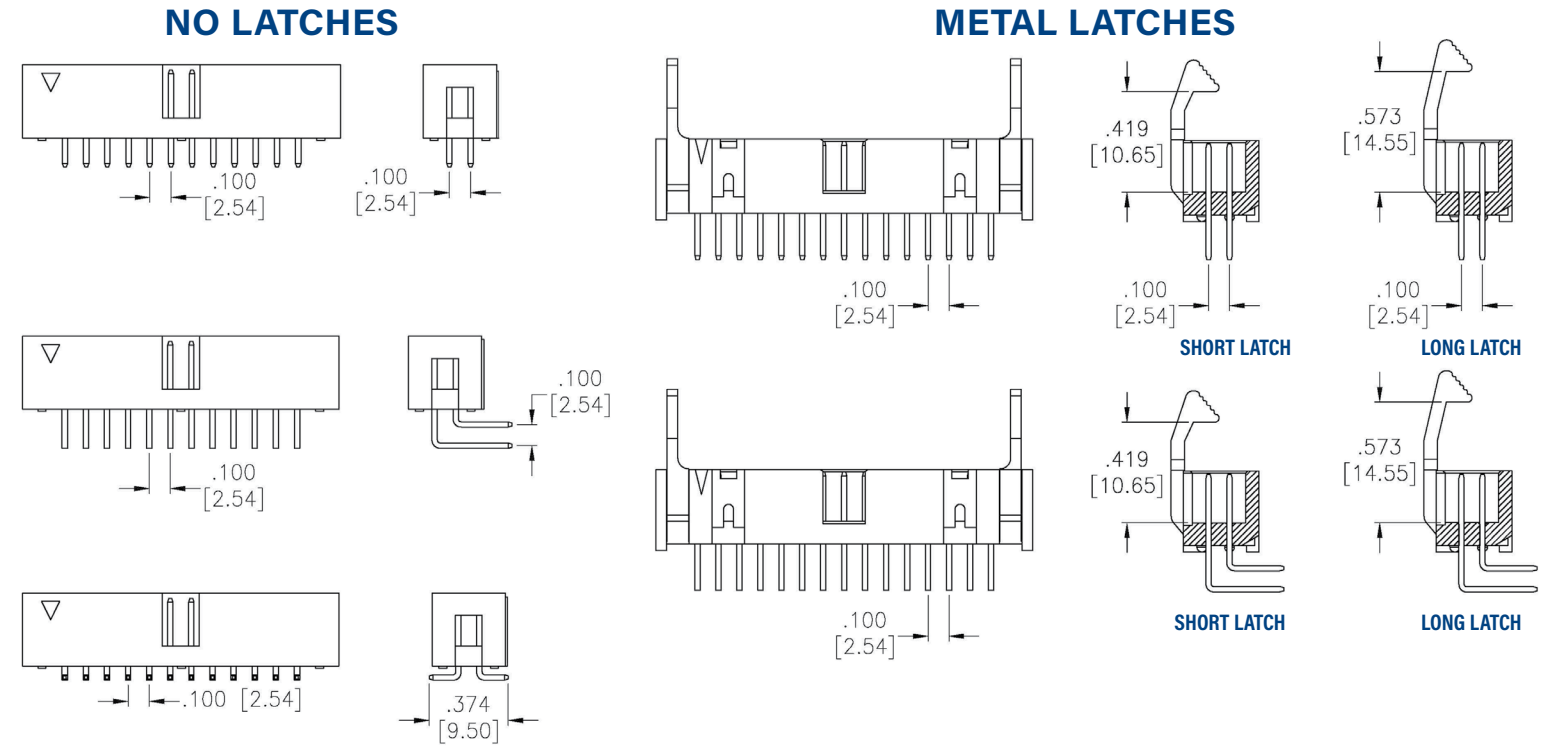
Operating voltage: 250V AC max.  
Current rating: 3 Amps max  
Contact resistance: 20 mΩmax. initial  
Insulation resistance: 5000 MΩmin.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 500 cycles min.

#### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	OPTIONS:
<b>BHR</b>	<b>- 50</b>	<b>- V</b>	<b>- U</b>	<b>- A</b>	<b>- LL</b>
<b>BHR</b> = .100" Box Header	<b>08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64</b>	<b>V</b> = Straight Mount <b>H</b> = Right Angle Mount	<b>U</b> = Gold plated <b>SG</b> = Gold plating in contact area, Tin plated solder tails <b>T</b> = Tin plated	<b>A</b> = Standard length solder tail <b>B</b> = Special length, customer specified <b>SMT</b> = Surface Mount	Add designator(s) to end of part number <b>LL</b> = Plastic long latches <b>SL</b> = Plastic short latches <b>15</b> = 15 μin gold plating in contact area <b>30</b> = 30 μin gold plating in contact area <b>GY</b> = Gray color insulator <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators) <b>P</b> = Peg <b>PP</b> = Pick & Place Cap <b>T/R</b> = Tape & Reel packaging <b>ML</b> = Metal long latches <b>MS</b> = Metal short latches <b>K</b> = Kink pins <b>BL</b> = With BoardLocks

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
<b>BHR-XX-HSGA</b>	.100" [2.54mm]	08-64	Right Angle, Through Hole	Selective Gold	<a href="#">View</a>
<b>BHR-XX-HTA</b>	.100" [2.54mm]	08-64	Right Angle, Through Hole	Tin	<a href="#">View</a>
<b>BHR-XX-HUA</b>	.100" [2.54mm]	08-64	Right Angle, Through Hole	Gold	<a href="#">View</a>
<b>BHR-XX-HUA-ML</b>	.100" [2.54mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	PLATING	PRODUCT DATA
<b>BHR-XX-VSG-SMT</b>	.100" [2.54mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
<b>BHR-XX-VSGA</b>	.100" [2.54mm]	08-64	Vertical, Through Hole	Selective Gold	<a href="#">View</a>
<b>BHR-XX-VSGA-SMT</b>	.100" [2.54mm]	08-64	Vertical, Surface Mount	Selective Gold	<a href="#">View</a>
<b>BHR-XX-VTA</b>	.100" [2.54mm]	08-64	Vertical, Through Hole	Tin	<a href="#">View</a>
<b>BHR-XX-VTA-SMT</b>	.100" [2.54mm]	08-64	Vertical, Surface Mount	Tin	<a href="#">View</a>
<b>BHR-XX-VUA</b>	.100" [2.54mm]	08-64	Vertical, Through Hole	Gold	<a href="#">View</a>
<b>BHR-XX-VUA-SMT</b>	.100" [2.54mm]	08-64	Vertical, Surface Mount	Gold	<a href="#">View</a>

Adam Tech Shrouded and Latching Headers are a dual row shrouded header for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Integral Latches provide Shock and Vibration Proof connection
- Slot for IDC socket Polarization bump
- Straight PCB, Right Angle PCB and SMT versions
- Gold, Tin or Selective Gold plating
- Elevated option available
- Hi-Temp insulator available

### PACKAGING:

- Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

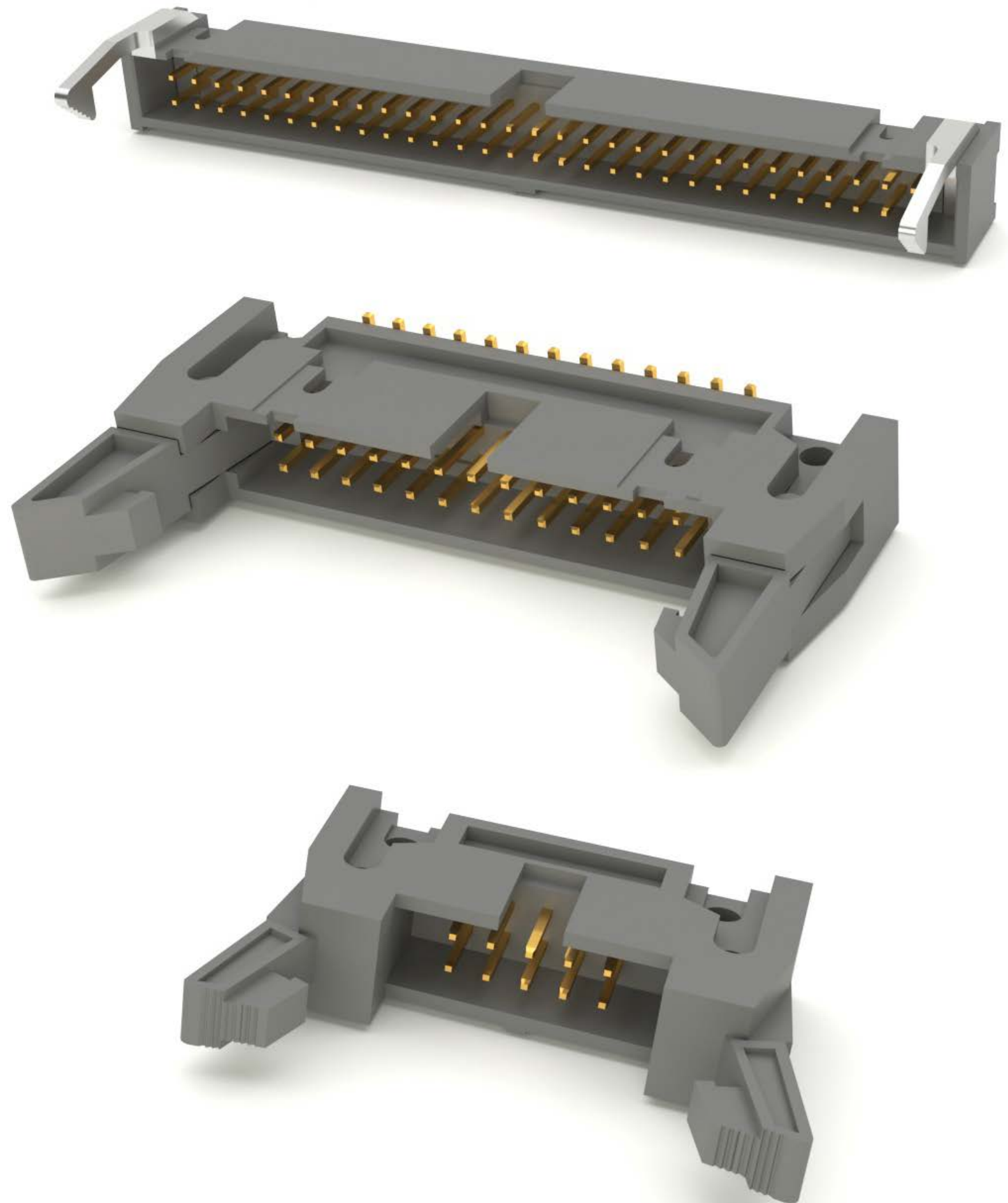
- Insulator: PBT, glass reinforced, rated UL94V-0
- Insulator Color: Black (Gray optional)
- Contacts: Brass

#### Plating:

- U = Gold over nickel underplate overall
- SG = Gold over nickel on contact area,  
Tin over copper underplate on tails.
- T = Tin over copper underplate overall

#### Temperature Rating:

- Operating temperature: -40°C to +105°C



## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .050" [1.27mm] pitch
- Positions: 10 to 100
- Integral Latches provide Shock and Vibration Proof connection
- Slot for IDC socket Polarization bump
- Straight PCB, Right Angle PCB and SMT versions
- Gold, Tin or Selective Gold plating
- Elevated option available
- Hi-Temp insulator available

### MATING SOCKETS:

Mates with HFCS series and all industry standard .050" [1.27mm] pitch dual row IDC sockets.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
 Insulator Color: Black (Gray optional)  
 Contacts: Brass

### Plating:

U = Gold over nickel underplate overall  
 SG = Gold over nickel on contact area,  
 Tin over copper underplate on tails.  
 T = Tin over copper underplate overall

### Electrical:

Operating voltage: 250V AC max.  
 Current rating: 3 Amps max  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

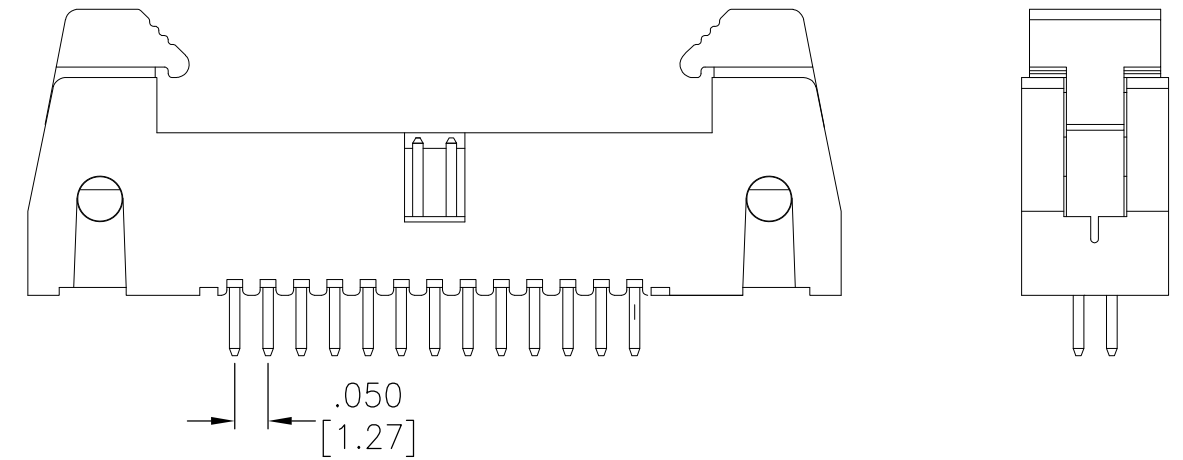
### Mechanical:

Mating durability: 500 Cycles min.

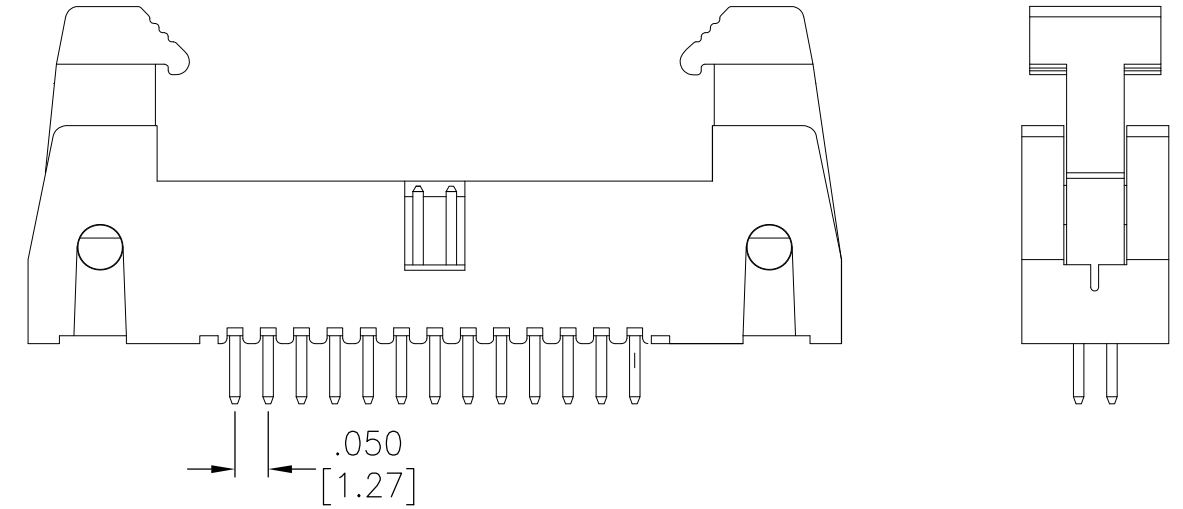
### Temperature Rating:

Operating temperature: -40°C to +105°C

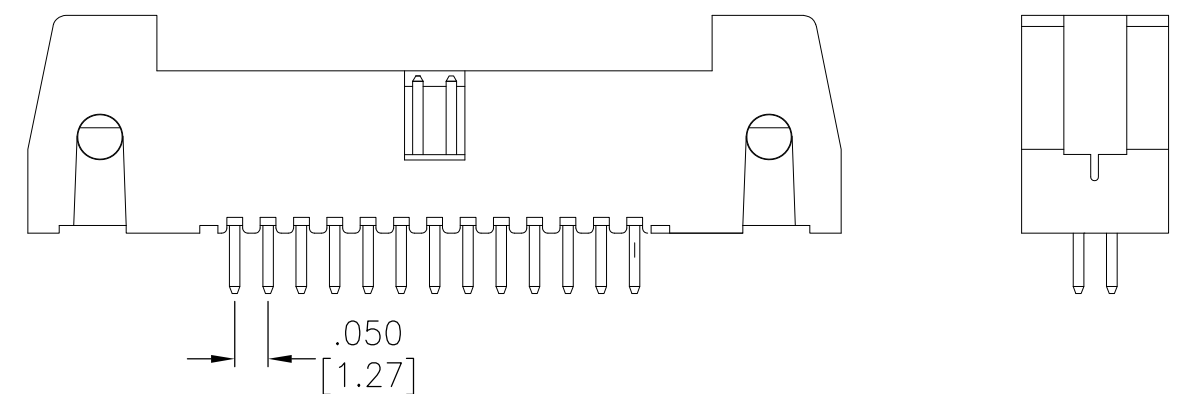
### HMHR SHORT LATCHES



### HMHR LONG LATCHES



### HMHR NO LATCHES



## PART NUMBER CONFIGURATION

HMHR - 26 - V - U - A - L - SMT						
SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	LATCHING FEATURES	OPTIONS:
<b>HMHR</b> = .050" x .100" 2 row / 2 row <b>HMHR-A</b> = .050" x .100" 34, 40, 44, <b>HMHR-B</b> = .050" x .050" 2 row / 4 row	<b>10, 16, 20,</b> <b>26, 30, 32,</b> <b>34, 40, 44,</b> <b>50, 52, 60,</b> <b>64, 68, 70,</b> <b>80, 100</b>	<b>V</b> = Straight Mount <b>H</b> = Right Angle Mount	<b>U</b> = Gold plated <b>SG</b> = Gold plating in contact area, Tin plated solder tails <b>T</b> = Tin plated	<b>A</b> = Standard length solder tail <b>B</b> = Special length, customer specified	<b>S</b> = Short latches (for sockets w/o strain relief) <b>L</b> = Long latches (for sockets w/ strain relief) <b>N</b> = No latches	Add designator(s) to end of part number <b>SMT</b> = Surface mount leads Dual row with Hi-Temp insulator <b>HT</b> = High-temp insulator for high-temp soldering processes <b>OBL</b> = With Offset Board Locks <b>PP</b> = With Cap <b>T/R</b> = Tape & Reel packaging

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
HMHR-A-XX-VUAS	.050" [1.27mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
HMHR-XX-HUAS-W	.050" [1.27mm]	10-100	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>

## FEATURES & SPECIFICATIONS

### FEATURES:

Dual row  
 .079" [2.0mm] pitch  
 Positions: 10 to 68  
 Integral Latches provide Shock and Vibration Proof connection  
 Slot for IDC socket Polarization bump  
 Straight PCB, Right Angle PCB and SMT versions  
 Gold, Tin or Selective Gold plating  
 Elevated option available  
 Hi-Temp insulator available

### MATING SOCKETS:

Mates with 2FCS series and all industry standard .079" [2.0mm] pitch dual row IDC sockets.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
 Insulator Color: Black (Gray optional)  
 Contacts: Brass

#### Plating:

U = Gold over nickel underplate overall  
 SG = Gold over nickel on contact area,  
 Tin over copper underplate on tails.  
 T = Tin over copper underplate overall

#### Electrical:

Operating voltage: 250V AC max.  
 Current rating: 3 Amps max  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 500 Cycles min.

#### Temperature Rating:

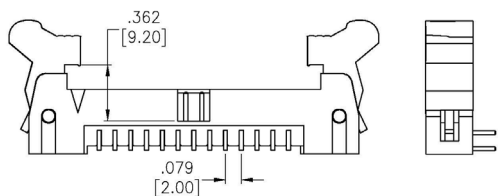
Operating temperature: -40°C to +105°C

## PART NUMBER CONFIGURATION

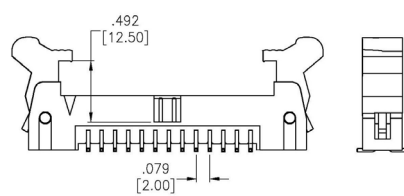
2MHR	-	44	-	V	-	U	-	A	-	L	-	SMT
SERIES		POSITIONS		MOUNTING ANGLE		CONTACT PLATING		PIN LENGTHS		LATCHING FEATURES		OPTIONS:
<b>2MHR</b> = 2mm Shrouded Header W/Latches <b>2MHR-A</b> = 2mm Shrouded Header W/Latches W7.62*H9.40mm (wcon) S (L=12.16mm) <b>2MHR-B</b> = 2mm Shrouded Header W/Latches W6.10*H8.10mm (wcon) S (L=17.00mm) L (L=20.85mm)		<b>10, 12, 14, 16, 20, 22, 24, 26, 30, 32, 34, 40, 44, 48, 50, 60, 64, 68</b>		<b>V</b> = Straight Mount <b>H</b> = Right Angle Mount		<b>U</b> = Gold plated <b>SG</b> = Gold plating in contact area, Tin plated solder tails <b>T</b> = Tin plated		<b>A</b> = Standard length solder tail <b>B</b> = Special length, customer specified		<b>S</b> = Short latches (for sockets w/o strain relief) <b>L</b> = Long latches (for sockets w/ strain relief) <b>N</b> = No latches		Add designator(s) to end of part number <b>HT</b> = High-temp insulator for high-temp soldering processes <b>PP</b> = With Cap <b>SMT</b> = Surface Mount Type <b>P</b> = With Peg <b>T/R</b> = Tape & Reel packaging

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
2MHR-10-VSGAS-SMT-TR	.079" [2.00mm]	10	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-A-XX-VSGAS-15-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-A-XX-VSGAS-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-A-XX-VSGAS-SMT-15	.079" [2.00mm]	06-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-A-XX-VUAS-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
2MHR-A-XX-VUAS-SMT-PP-TR	.079" [2.00mm]	06-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
2MHR-B-XX-VUAX-HT	.079" [2.00mm]	06-64	Vertical, Through Hole	Customized Latches	Gold	<a href="#">View</a>
2MHR-B-XX-VUAX-SMT-PP-TR	.079" [2.00mm]	06-64	Vertical, Surface Mount	Customized Latches	Gold	<a href="#">View</a>
2MHR-XX-HUA-LS-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-HUA-S	.079" [2.00mm]	10-68	Right Angle, Through Hole	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-HUAL-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-HUAS-HT	.079" [2.00mm]	10-68	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VSGA-X	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Selective Gold	<a href="#">View</a>
2MHR-XX-VSGAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-XX-VSGAS-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
2MHR-XX-VTAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Tin	<a href="#">View</a>
2MHR-XX-VUA-LS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-VUA-S	.079" [2.00mm]	10-68	Vertical, Through Hole	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-VUA-S-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-VUA-S-SMT-PP	.079" [2.00mm]	10-68	Vertical, Surface Mount	Standard Latches	Gold	<a href="#">View</a>
2MHR-XX-VUAL-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VUAL-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VUAL-SMT-P-30	.079" [2.00mm]	10-68	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VUAN-SMT-30-PP-TR	.079" [2.00mm]	10-68	Vertical, Surface Mount	No Latches	Gold	<a href="#">View</a>
2MHR-XX-VUAN-SMT-PP-TR	.079" [2.00mm]	10-68	Vertical, Surface Mount	No Latches	Gold	<a href="#">View</a>
2MHR-XX-VUAS	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VUAS-HT	.079" [2.00mm]	10-68	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
2MHR-XX-VUAS-SMT	.079" [2.00mm]	10-68	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>

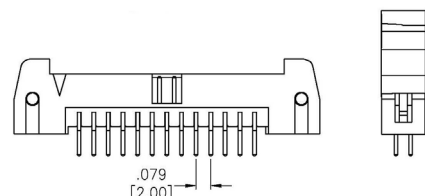
### RIGHT ANGLE, THROUGH HOLE



### VERTICAL, SURFACE MOUNT



### VERTICAL, THROUGH HOLE



# Latching Headers

.100" [2.54MM], DUAL ROW

## FEATURES & SPECIFICATIONS

### FEATURES:

- Dual row
- .100" [2.54mm] pitch
- Positions: 10 to 64
- Integral Latches provide Shock and Vibration Proof connection
- Slot for IDC socket Polarization bump
- Straight PCB, Right Angle PCB and SMT versions
- Gold, Tin or Selective Gold plating
- Elevated option available
- Hi-Temp insulator available

### MATING SOCKETS:

Mates with FCS series and all industry standard .100" [2.54mm] pitch dual row IDC sockets.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
 Insulator Color: Black (Gray optional)  
 Contacts: Brass

### Plating:

U = Gold over nickel underplate overall  
 SG = Gold over nickel on contact area,  
 Tin over copper underplate on tails.  
 T = Tin over copper underplate overall

### Electrical:

Operating voltage: 250V AC max.  
 Current rating: 3 Amps max  
 Contact resistance: 20 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

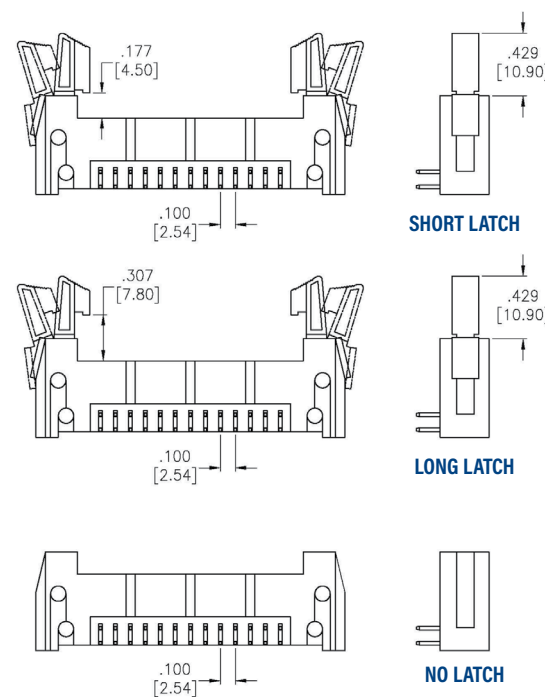
### Mechanical:

Mating durability: 500 Cycles min.

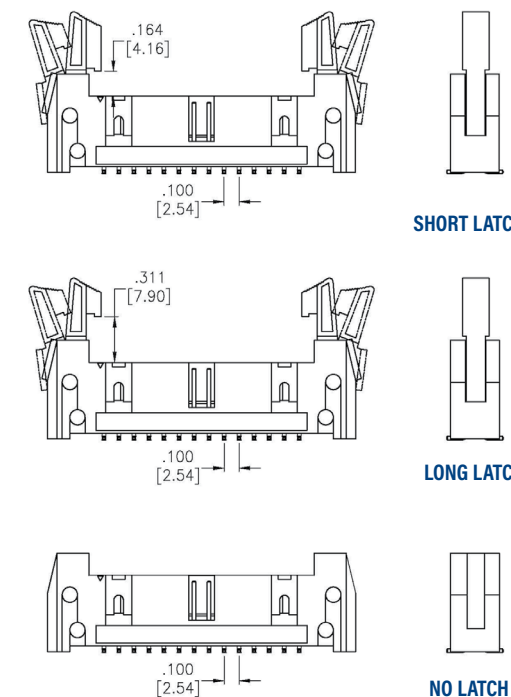
### Temperature Rating:

Operating temperature: -40°C to +105°C

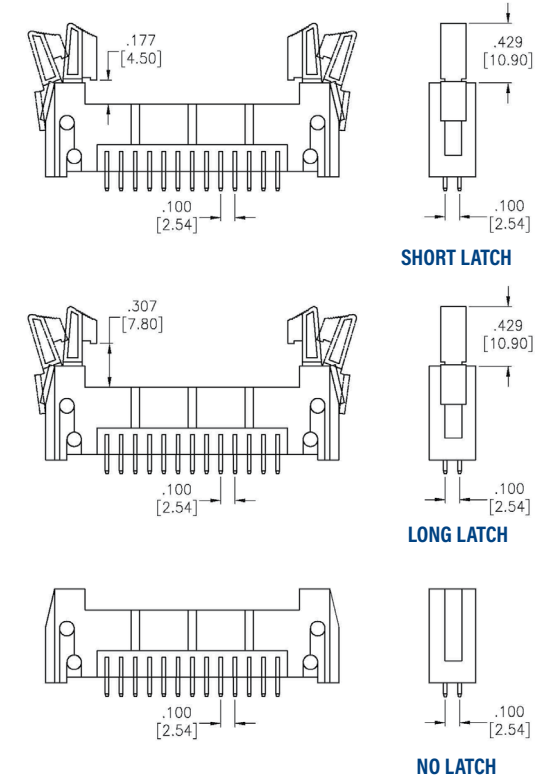
### RIGHT ANGLE, THROUGH HOLE



### VERTICAL, SURFACE MOUNT



### VERTICAL, THROUGH HOLE



## PART NUMBER CONFIGURATION

**MHR- 50 - V - U - A - L - SMT**

SERIES	POSITIONS	MOUNTING ANGLE	CONTACT PLATING	PIN LENGTHS	LATCHING FEATURES	OPTIONS:
<b>MHR</b> = .100" Shrouded Header with Latches	<b>10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64</b>	<b>V</b> = Straight Mount <b>H</b> = Right Angle Mount	<b>U</b> = Gold plated <b>SG</b> = Gold plating in contact area, Tin plated solder tails <b>T</b> = Tin plated	<b>A</b> = Standard length solder tail <b>B</b> = Special length, customer specified	<b>S</b> = Short latches (for sockets w/o strain relief) <b>L</b> = Long latches (for sockets w/ strain relief) <b>N</b> = No latches	Add designator(s) to end of part number <b>GY</b> = Gray color insulator <b>HT</b> = High-temp insulator for high-temp soldering processes <b>SMT</b> = Surface Mount <b>.XXX</b> = Mating Length <b>MP</b> = Multiple Polarization <b>PP</b> = Pick & Place Cap

PART NUMBER	CENTERLINE	POSITIONS	MOUNTING ORIENTATION	LATCH STYLE	PLATING	PRODUCT DATA
<b>MHR-A-XX-VUAL-MP</b>	.100" [2.54mm]	06-64	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-HSGAS-Y</b>	.100" [2.54mm]	10-64	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Selective Gold	<a href="#">View</a>
<b>MHR-XX-HUAL</b>	.100" [2.54mm]	10-64	Right Angle, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-HUAS</b>	.100" [2.54mm]	10-64	Right Angle, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-VUAL</b>	.100" [2.54mm]	10-64	Vertical, Through Hole	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-VUAL-SMT</b>	.100" [2.54mm]	10-64	Vertical, Surface Mount	Long Ejector Latches - For Sockets with Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-VUAS</b>	.100" [2.54mm]	10-64	Vertical, Through Hole	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>
<b>MHR-XX-VUAS-SMT</b>	.100" [2.54mm]	10-64	Vertical, Surface Mount	Short Ejector Latches - For Sockets without Strain Relief	Gold	<a href="#">View</a>

Mini Shunts are available in .050", 2.00mm, .100" and .200" centerlines. They quickly and easily jump individual pins on pin headers to perform manual programming on PCB's. This series offers a broad range of sizes, shapes and colors. Shunts are designed with detents at top for easy fingertip installation removal. Options include integrated pull tabs and gang types which are molded in one piece. This series is extremely low cost and is a highly economical, cost effective solution for replacing PCB switches. They are available in Gold or Tin plating.

## FEATURES & SPECIFICATIONS

### FEATURES:

Electrically connects two or more pin header posts  
Wide variety of bodies and styles to choose from  
Superior insulator design provides easy Fingertip extraction  
Pull Tab and Ganged options available  
Choice of Gold or Tin-plated contact area  
Side and end stackable

### MATING OPTIONS:

Mates with all industry standard .050", .079" and .100" centerline pin headers with a .016", .020" or .025" square post.

### PACKAGING:

Anti-ESD plastic bags

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: PBT, rated UL94V-0

Insulator Color: Black  
Contacts: Phosphor Bronze

#### Contact Plating:

G = Gold over nickel underplate overall  
T = Tin over copper underplate overall

#### Electrical:

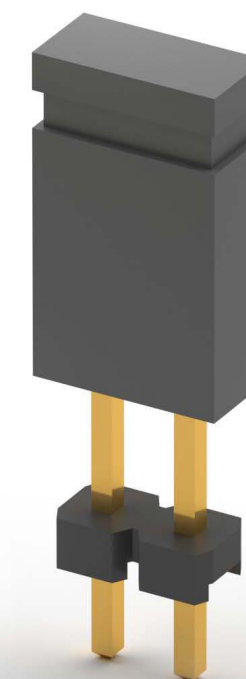
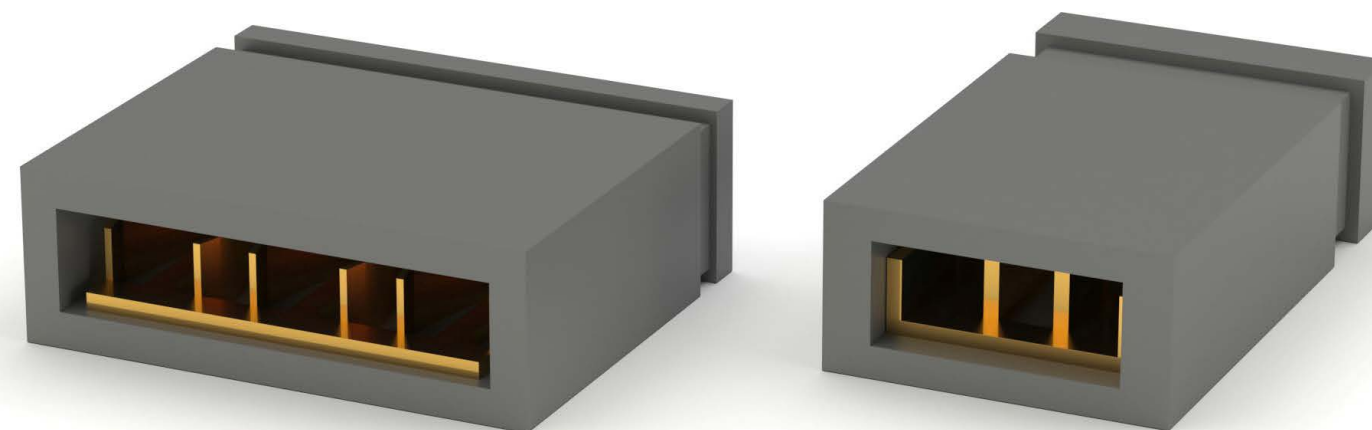
Operating voltage: 250V AC max.  
Current rating: 1~3 Amps  
Contact resistance: 30 mΩ max. initial  
Insulation resistance: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 1.57 lbs max.  
Withdrawal force: .65 lbs min  
Mating durability: 50 Cycles Gold  
20 Cycles Tin

#### Temperature Rating:

Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

HMSA	-	G	-	R
SERIES/PITCH/BODY STYLE/HEIGHT		PLATING		OPTIONS
<b>HMSA</b> = .050" Mini Shunt (1 x 2) Handle-top <b>HMSB</b> = .050" Mini Shunt (2 x 2) Handle-top <b>HMSC</b> = .050" Mini Shunt, .118" <b>MS2A</b> = .079" Mini Shunt, Open top, .177" <b>MS2B</b> = .079" Mini Shunt, Open top, .138" <b>MS2BG</b> = .079" Mini Shunt, Open top, Ganged, .169" <b>MS2C</b> = .079" Mini Shunt, Closed top, .252" <b>MS2H</b> = .079" Mini Shunt, Handle-top, .429" <b>MSA</b> = .100" Shunt, Closed top, .256" <b>MSB</b> = .100" Shunt, Open top, .236" <b>MSC</b> = .100" Shunt, Open top, .177" <b>MSDA</b> = .100" Shunt, Closed top, .315" <b>MSDB</b> = .100" Shunt, Open top, .315" <b>MSBH</b> = .100" Shunt, Handle-top, .531" <b>MSE</b> = .100" Shunt, Closed top, 3 position <b>MST</b> = .100" Shunt, 10 piece strip <b>MSBG</b> = .100" Ganged Shunt, block type (Specify # of positions, 2 thru 10)		<b>G</b> = Gold plated <b>T</b> = Tin plated		STANDARD INSULATOR COLOR IS BLACK Other insulator colors available Add designator(s) to end of part number <b>R</b> = Red * <b>B</b> = Blue * <b>W</b> = White * <b>Y</b> = Yellow * <b>G</b> = Green * * Minimum order required



PART NUMBER	BODY STYLE/HEIGHT	PLATING	CENTERLINE	PRODUCT DATA
HMSA-G	Handle Top, .216"	Gold	.050" [1.27]	<a href="#">View</a>
HMSA-T	Handle Top, .216"	Tin	.050" [1.27]	<a href="#">View</a>
HMSC-G	Closed Top, .118"	Gold	.050" [1.27]	<a href="#">View</a>
HMSC-T	Closed Top, .118"	Tin	.050" [1.27]	<a href="#">View</a>
MS2A-X	Open Top, .177"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MS2A-X-R	Open Top, .177"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MS2B-G-CT		Gold	.079" [2.00]	<a href="#">View</a>
MS2B-X	Open Top, .138"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MS2BG-XX-G	Ganged, Block Type	Gold	.079" [2.00]	<a href="#">View</a>
MS2BG-XX-T	Ganged, Block Type	Tin	.079" [2.00]	<a href="#">View</a>
MS2C-X	Closed Top, .197"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MS2H-1-G	Handle Top, .374"	Gold	.079" [2.00]	<a href="#">View</a>
MS2H-1-T	Handle Top, .374"	Tin	.079" [2.00]	<a href="#">View</a>
MS2H-1-X	Handle Top, .374"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MS2H-2-X	Handle Top, .429"	Tin or Gold Option	.079" [2.00]	<a href="#">View</a>
MSA-G	Closed Top, .256"	Gold	.100" [2.54]	<a href="#">View</a>
MSA-T	Closed Top, .256"	Tin	.100" [2.54]	<a href="#">View</a>
MSB-G	Open Top, .236"	Gold	.100" [2.54]	<a href="#">View</a>
MSB-T	Open Top, .236"	Tin	.100" [2.54]	<a href="#">View</a>
MSBG-XX-G	Ganged, Block Type	Gold	.100" [2.54]	<a href="#">View</a>
MSBG-XX-G-10	Ganged, Block Type	Gold	.100" [2.54]	<a href="#">View</a>
MSBG-XX-G-30	Ganged, Block Type	Gold	.100" [2.54]	<a href="#">View</a>
MSBG-XX-T	Ganged, Block Type	Tin	.100" [2.54]	<a href="#">View</a>
MSBH-G-10	Handle Top, .531"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-G-30	Handle Top, .531"	Gold	.100" [2.54]	<a href="#">View</a>

PART NUMBER	BODY STYLE/HEIGHT	PLATING	CENTERLINE	PRODUCT DATA
MSBH-G-30-R	Handle Top, .531"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-G-A-30	Handle Top, .531"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-G-A-30-R	Handle Top, .531"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-G-H105	Handle Top, .413"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-G-H105-R	Handle Top, .413"	Gold	.100" [2.54]	<a href="#">View</a>
MSBH-X	Handle Top, .531"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSBH-X-A	Handle Top, .531"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSBH-X-B	Handle Top, .531"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSBH-X-R	Handle Top, .531"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSBH-X-Y	Handle Top, .531"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSC-G	Open Top, .177"	Gold	.100" [2.54]	<a href="#">View</a>
MSC-T	Open Top, .177"	Tin	.100" [2.54]	<a href="#">View</a>
MSDA-G	Closed Top, .335"	Gold	.100" [2.54]	<a href="#">View</a>
MSDA-G-30	Closed Top, .335"	Gold	.100" [2.54]	<a href="#">View</a>
MSDA-T	Closed Top, .335"	Tin	.100" [2.54]	<a href="#">View</a>
MSDA-X-HR	Closed Top, .315"	Tin or Gold Option	.100" [2.54]	<a href="#">View</a>
MSDB-G	Open Top, .315"	Gold	.100" [2.54]	<a href="#">View</a>
MSDB-G-15	Open Top, .315"	Gold	.100" [2.54]	<a href="#">View</a>
MSDB-T	Open Top, .315"	Tin	.100" [2.54]	<a href="#">View</a>
MSE-G	Closed Top, .256"	Gold	.200" [5.08]	<a href="#">View</a>
MSE-T	Closed Top, .256"	Tin	.200" [5.08]	<a href="#">View</a>
MST-G	10 Piece Strip	Gold	.100" [2.54]	<a href="#">View</a>
MST-G-15	10 Piece Strip	Gold	.100" [2.54]	<a href="#">View</a>
MST-G-15-WT	10 Piece Strip	Gold	.100" [2.54]	<a href="#">View</a>
MST-G-30	10 Piece Strip	Gold	.100" [2.54]	<a href="#">View</a>
MST-T	10 Piece Strip	Tin	.100" [2.54]	<a href="#">View</a>

Adam Tech DVI series Digital Visual Interface connectors are the standard digital interface for flat panels, video graphics cards, monitors and HDTV units. This series includes DVI-D (Digital), DVI-A (Analog) and DVI-I (Integrated Digital/Audio). Their unique crossing ground blades provide high speed performance at low cost. Available in Straight or Right Angle PCB mount receptacles, each version also features our specially designed contacts which improve signal performance and a zinc alloy shield that reduces electromagnetic interference (EMI).

## FEATURES & SPECIFICATIONS

### FEATURES:

- Supports Analog and Digital signals
- Offers excellent EMI/RFI performance
- Plug and Play interface
- Supports high bandwidth up to 2.5 GHz analog signal
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech DVI connectors and all industry standard DVI connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PA66, Glass filled, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T rated UL94V-0  
 Insulator Color: White, (Black optional)

Contacts: Phosphor Bronze  
 Shell: Steel, Nickel Plated

#### Contact Plating:

Gold over Nickel underplate on mating area,  
 Tin over Copper underplate on tails

#### Electrical:

Operating Voltage: 250V AC  
 Current Rating: 1.5 Amps max.  
 Contact Resistance: 20 mΩ max. initial  
 Insulation Resistance: 1000 MΩ min.  
 Dielectric Withstanding Voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 10 lb max.  
 Withdrawal force: 2.2 lb. min.  
 Durability: 100 cycles

#### Temperature Rating:

Operating Temperature: -20°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



## PART NUMBER CONFIGURATION

DVI	-	SL	-	24	-	2	-	JS
SERIES INDICATOR		BODY STYLE		POSITIONS		APPLICATION		OPTIONS
<b>DVI</b> = Digital Video Interface Connector		<b>SL</b> = Socket, Right Angle PCB Tail <b>ST</b> = Socket, Straight PCB Tail		<b>24</b> = 24 Position		<b>1</b> = Digital <b>2</b> = Analog		Add designator(s) to end of part number <b>JS</b> = Jackscrews Installed

PART NUMBER	MOUNTING ORIENTATION	APPLICATION	PRODUCT DATA
<a href="#">DVI-SL-24-1</a>	Right Angle Through Hole	Digital	<a href="#">View</a>
<a href="#">DVI-SL-24-2</a>	Right Angle Through Hole	Analog	<a href="#">View</a>
<a href="#">DVI-ST-24-2</a>	Vertical Through Hole	Analog	<a href="#">View</a>

Adam Tech MR Series Miniature Ribbon connectors come in a variety of terminations including Solder Terminals, Straight PCB Tails, Right Angle PCB Mount, Flat Cable IDC and Straddle Mount Card Edge. These connectors with their high pressure, flat wiping contacts are a very popular widely used interface especially in telecommunication applications. Offered in 14, 24, 36, and 50 positions they are a good choice for high reliability positive latching connector applications.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Available in many termination styles
- High pressure blade contacts
- Industry standard compatibility
- Durable metal shell design
- Variety of Mating and mounting options

### MATING CONNECTORS:

Adam Tech Miniature Ribbon connectors and all industry standard miniature ribbon connectors.

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, Glass filled, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Blue (Black optional)  
 Contacts: Phosphor Bronze

Shell: Steel, nickel plated

#### Contact Plating:

Gold over Nickel underplate on mating area, Tin over Copper underplate on tails

#### Electrical:

Operating Voltage: 250V AC  
 Current Rating: 1 Amp max.  
 Contact Resistance: 35 mΩ max.  
 Insulation Resistance: 1000 MΩ min.  
 Dielectric Withstanding Voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 12 oz max.  
 Withdrawal force: 4.8 oz min.

#### Temperature Rating:

Operating Temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



PART NUMBER	POSITIONS	GENDER	TERMINATION TYPE	MOUNTING	PRODUCT DATA
MRXX-PA-34	14	Plug	Solder Terminals	#4-40 threaded clinch nuts in mounting holes w/o spring latches	<a href="#">View</a>
MRXX-PC-34	14	Plug	Straight PCB Tail	#4-40 threaded clinch nuts in mounting holes w/o spring latches	<a href="#">View</a>
MRXX-PD-34	14	Plug	Right Angle PCB Mount	#4-40 threaded clinch nuts in mounting holes w/o spring latches	<a href="#">View</a>
MRXX-PE-2	14	Plug	IDC, All Plastic Shell	Notch Ears	<a href="#">View</a>
MRXX-PF-2	14	Plug	IDC, Metal Shell	Notch Ears	<a href="#">View</a>
MRXX-PG-2	14	Plug	Straddle Mount Tails	Notch Ears	<a href="#">View</a>
MRXX-SA-34	14	Socket	Solder Terminals	#4-40 threaded clinch nuts in mounting holes w/o spring latches	<a href="#">View</a>
MRXX-SC-34	14	Socket	Straight PCB Tail	#4-40 threaded clinch nuts in mounting holes w/o spring latches	<a href="#">View</a>
MRXX-SE-1	14		IDC, All Plastic Shell	Spring latches with .120" diameter mounting holes (socket only)	<a href="#">View</a>
MRXX-SF-1	14	Socket	IDC, Metal Shell	Spring latches with .120" diameter mounting holes (socket only)	<a href="#">View</a>
MRXX-SG-3	14	Socket	Straddle Mount Tails	.120" diameter mounting holes only	<a href="#">View</a>

PART NUMBER CONFIGURATION								
MR14	-	P	-	A	-	34	-	30
SHELL SIZE & POSITIONS		CONTACT TYPE		TERMINATION TYPE		MOUNTING		OPTIONS:
<b>MR14</b> = 14 Contacts <b>MR24</b> = 24 Contacts <b>MR36</b> = 36 Contacts <b>MR50</b> = 50 Contacts		<b>P</b> = Plug <b>S</b> = Socket		<b>A</b> = Solder Terminals <b>C</b> = Straight PCB Tail <b>D</b> = Right Angle PCB Mount <b>E</b> = IDC, All plastic shell <b>F</b> = IDC, Metal Shell <b>G</b> = Straddle Mount Tails		<b>1</b> = Spring latches with .120" diameter mounting holes (socket only) <b>14</b> = Spring latches with #4-40 clinch nuts in mounting holes (socket only) <b>2</b> = Notch Ears (plug only) <b>3</b> = .120" diameter mounting holes only <b>34</b> = #4-40 threaded clinch nuts in mounting holes w/o spring latches		Add designator(s) to end of part number <b>BK</b> = Black color insulator <b>F</b> = Forked boardlocks <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>LI</b> = Spring Latches Installed

## CASE STUDY



Miniature Ribbon Connectors can be found at the back of desktop computers. They are commonly used to terminate ribbon cables, which connect a desktop computer to external devices such as hard drives and CD drives.

Adam Tech CE Series Card Edge Connectors are precision engineered PCB mount connectors developed to mate with the plated fingers of a printed circuit daughter board. Their bifurcated, cantilever contacts are set in a dual readout configuration and they offer a reliable connection for a wide range of PCB thicknesses. Adam Tech's sturdy solder tails with tapers allow easy insertion and rugged durability.

## FEATURES & SPECIFICATIONS

### FEATURES:

- .100" x .200" centerlines
- Selectively gold plated contacts
- Wide selection of positions
- Compatible with a wide range of PCB thicknesses

### MATING PC BOARDS:

All printed circuit boards with a thickness of .055" to .075"

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, 30% glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black

Contacts: Phosphor Bronze

#### Contact Plating:

Gold over Nickel underplate on contact area, tin over copper underplate on tails.

#### Electrical:

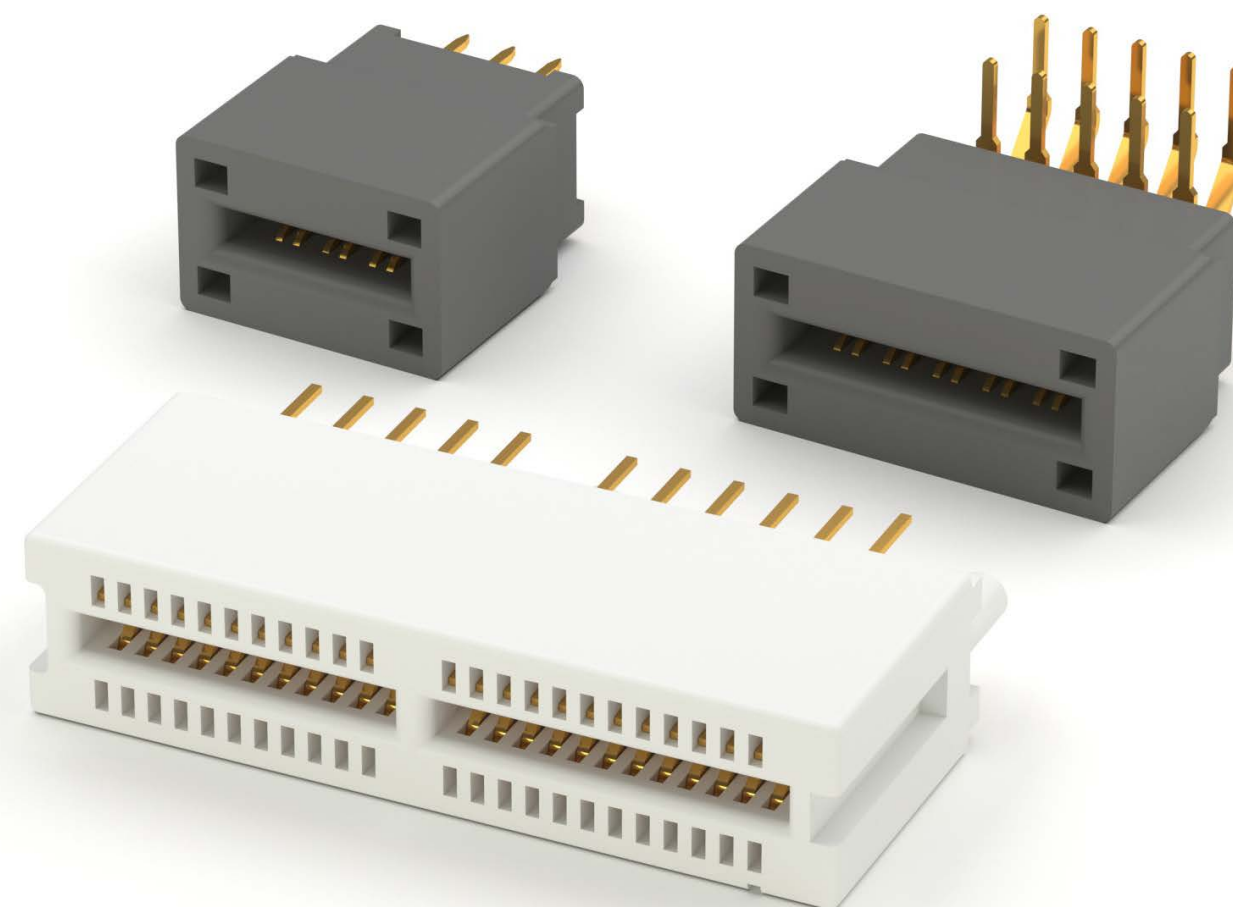
Operating voltage: 250V AC max.  
 Current rating: 3 Amps max.  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 3000 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 10 oz max.  
 Withdrawal force: 3 oz min

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



## CARD EDGE PART NUMBER CONFIGURATION

CE	-	98	-	U	-	30
SERIES		POSITIONS		CONTACT PLATING		OPTIONS:
<b>CE</b> = Card Edge Connector, Vertical Mount <b>CERA</b> = Card Edge Connector, Right Angle Mount		<b>4, 6, 8, 12, 16, 20, 24, 26, 28, 30, 32, 34, 36, 38, 40, 44, 48, 50, 60, 62, 64, 70, 72, 80, 86, 98, 100, 108, 120</b>		<b>U</b> = Selectively gold plated contacts		Add designator(s) to end of part number <b>HT</b> = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C <b>BR</b> = Board retention tails

PART NUMBER	PITCH	POSITIONS	MOUNTING ORIENTATION	TYPE (FOR .050)	PRODUCT DATA
<a href="#">CE-XX-U</a>	0.100	04-120	Vertical Through Hole		<a href="#">View</a>
<a href="#">CERA-XX-U</a>	0.100	04-120	Right Angle Through Hole		<a href="#">View</a>
<a href="#">HMCA-A-182-G</a>	0.050	182	Vertical Through Hole	VESA Micro-Channel	<a href="#">View</a>
<a href="#">HMCA-A-184-G</a>	0.050	184	Vertical Through Hole	VESA Micro-Channel	<a href="#">View</a>
<a href="#">HMCA-A-XXX-G</a>	0.050	112 or 120	Vertical Through Hole	VESA Micro-Channel	<a href="#">View</a>

## HIGH DENSITY CARD EDGE PART NUMBER CONFIGURATION

HMCA	-	A	-	112	-	G
SERIES		PEGS		POSITIONS		PLATING
<b>HMCA</b> = VESA Micro-channel Card Edge connector		<b>A</b> = Plastic pegs <b>B</b> = Metal boardlocks		<b>112, 120, 132, 182, 184, 194</b>		<b>G</b> = Selectively gold plated contacts

Adam Tech's Mini-Flex series of connectors include cable to board, wire to board and board to board choices. This series is designed with a dual contact point mating system and an array of locating posts and PCB pegs for positive alignment and friction lock mating. Rigid, staggered solder tails provide excellent stability for rugged use and feature kinked tails for PCB retention.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Fine .050" pitch for hi-density connection
- Flat heavy gauge contact blades for positive connectivity
- Equipped with polarizing posts and locating pegs
- Positive friction locking mating
- Kinked solder tails for PCB retention

### SPECIFICATIONS:

#### Material:

- Insulator: Polyester, glass filled, rated UL94V-0
- Insulator color: Red
- Contacts: Phosphor bronze or brass

#### Plating:

- Tin over Copper underplate overall

### Electrical:

- Operating voltage: 250V AC
- Current rating: 1.2 Amps Max.
- Contact resistance: 10 mΩ Max.
- Insulation resistance: 1000 MΩ Min.
- Dielectric withstanding voltage: 750V AC for 1 Minute

### Temperature rating:

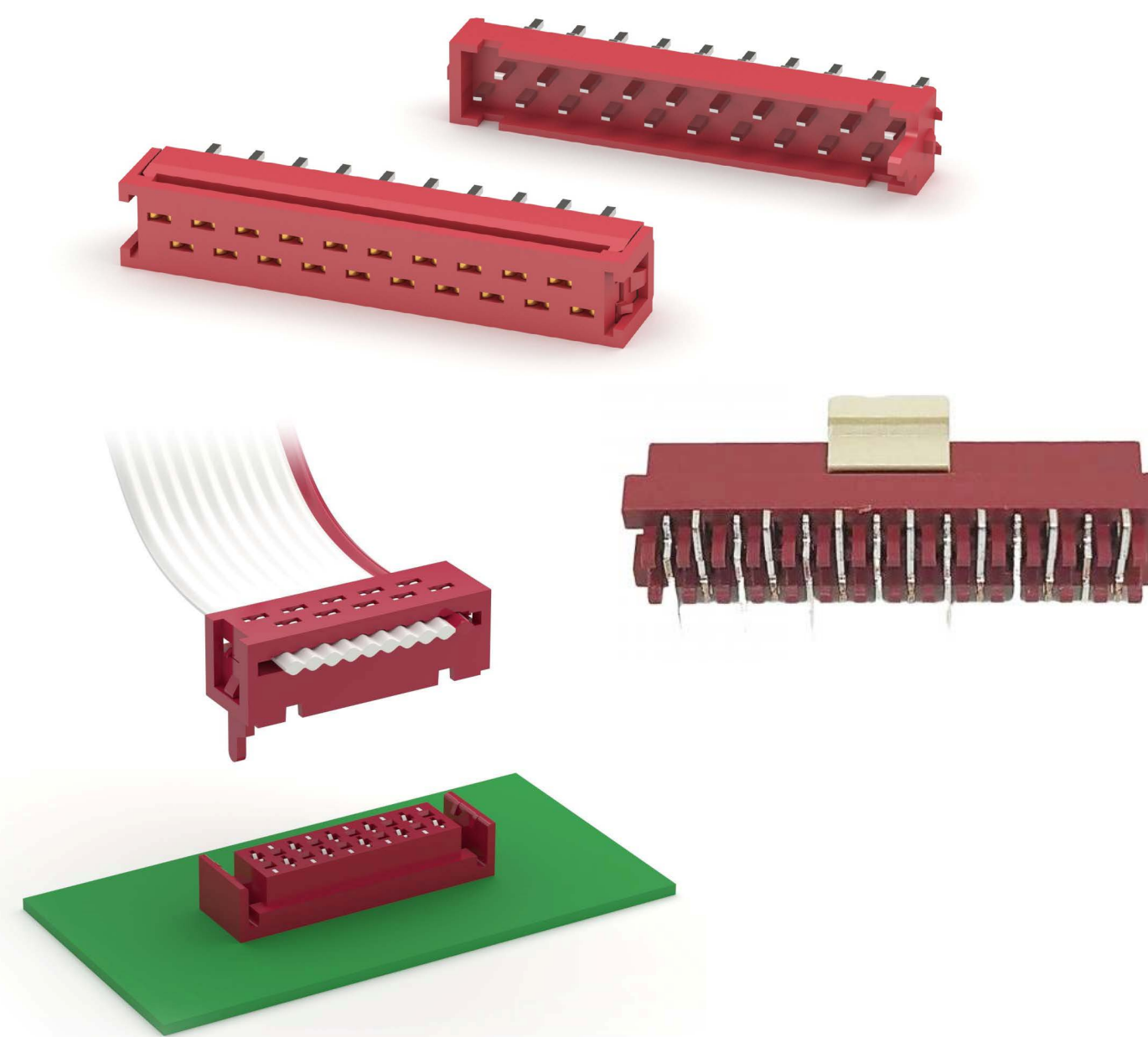
- Operation temperature range: -25°C ~ +105°C

### PACKAGING:

- Anti ESD plastic trays or tubes

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



## PART NUMBER CONFIGURATION

MPH	- 20	- F	- T	- T/R
SHELL SIZE & POSITIONS	POSITIONS	TYPE	PLATING	OPTIONS:
<b>MPH</b> = Male <b>MPH-A</b> = Male <b>MPH-A2</b> = Male <b>MPF</b> = Female <b>MPF-A</b> = Female <b>MPF-A1</b> = Female <b>MFC</b> = Flat Cable DIP Plug <b>MFC-A</b> = Flat Cable DIP Plug	<b>4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 26</b>	<b>F</b> = Flat Cable IDC <b>V</b> = Straight PCB Mount <b>H</b> = Right Angle PCB Mount <b>SMT</b> = Straight Surface Mount	<b>SG</b> = Selective Gold plating in contact area and Tin plating on tails <b>G</b> = Gold Flash Plated <b>T</b> = Tin Plated	Add designator(s) to end of part number <b>KT</b> = Mylar Tape <b>L</b> = Locking Flange <b>T/R</b> = Tape & Reel Packaging

PART NUMBER	TYPE	POSITIONS	MOUNTING ORIENTATION	PLATING	OPTIONS	PRODUCT DATA
<a href="#">MFC-A-XX-F-T</a>	Male	4-26	Flat Cable IDC	Tin		<a href="#">View</a>
<a href="#">MPF-A-XX-H-T</a>	Male	4-26	Right Angle, Through Hole	Tin		<a href="#">View</a>
<a href="#">MPF-A-XX-SMT-T</a>	Female	4-26	Vertical, Surface Mount	Tin		<a href="#">View</a>
<a href="#">MPF-A-XX-SMT-T-KT</a>						<a href="#">View</a>
<a href="#">MPF-A-XX-SMT-T-KT-T/R</a>						<a href="#">View</a>
<a href="#">MPF-A1-XX-H-T</a>	Female	4-24	Right Angle, Through Hole	Tin		<a href="#">View</a>
<a href="#">MPF-A1-XX-SMT-T</a>	Female	4-24	Vertical, Surface Mount	Tin		<a href="#">View</a>
<a href="#">MPF-A1-XX-V-T-L</a>	Female	4-26	Vertical, Through Hole	Tin	Locking Flange	<a href="#">View</a>
<a href="#">MPF-XX-V-T-L</a>	Female	4-26	Vertical, Through Hole	Tin	Locking Flange	<a href="#">View</a>
<a href="#">MPH-A-XX-SMT-T</a>	Male	4-26	Vertical, Surface Mount	Tin		<a href="#">View</a>
<a href="#">MPH-A2-XX-SMT-T</a>	Male	4-26	Vertical, Surface Mount	Tin		<a href="#">View</a>
<a href="#">MPH-A2-XX-V-T</a>	Male	4-26	Vertical, Through Hole	Tin		<a href="#">View</a>
<a href="#">MPH-XX-F-SG</a>	Male	4-26	Flat Cable IDC	Selective Gold		<a href="#">View</a>
<a href="#">MPH-XX-F3-T</a>	Male	4-26	Flat Cable IDC	Tin		<a href="#">View</a>
<a href="#">MPH-XX-V-T</a>	Male	4-26	Vertical, Through Hole	Tin		<a href="#">View</a>

Adam Tech's line of Screw Machine Sockets feature solid precision turned sleeves with a closed bottom design to eliminate flux intrusion and solder wicking during soldering. The stamped spring copper insert provides excellent connection and allows for repeated insertion and withdrawal. These sockets are offered in single or dual row body styles. Other options include pitch, positions, and plating.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- High Pressure Contacts
- Precision Stamped Internal Spring Contact
- Anti-Solder Wicking design
- Machine Insertable
- Single or Dual Row
- Low Profile

#### MATING COMPONENTS:

Any industry standard components with SIP or DIP leads

#### PACKAGING:

Anti-ESD plastic tubes

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, Glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

#### Contact Plating:

Gold over Nickel underplate and Tin over copper underplate

#### Electrical:

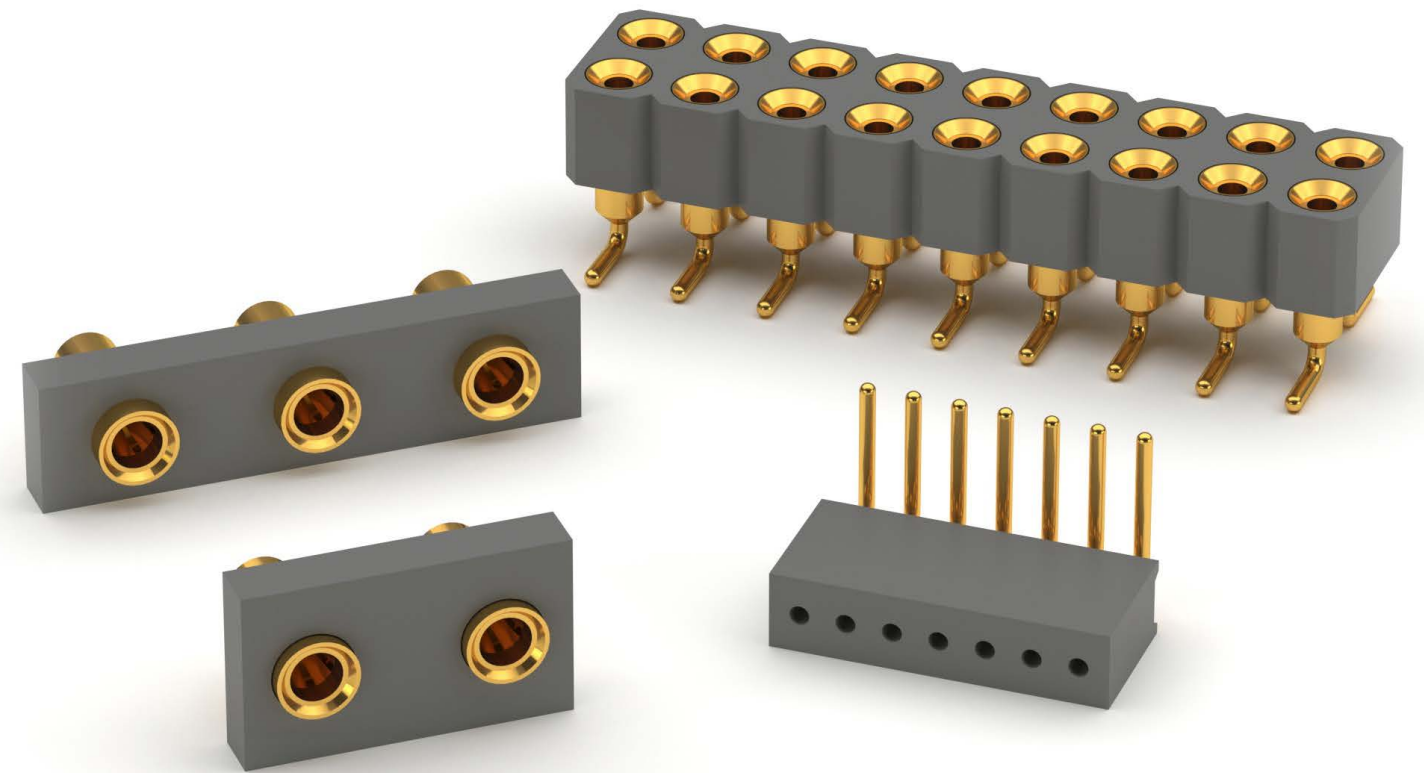
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: 400 grams initial max with .025 dia. leads  
 Withdrawal force: 90 grams initial min with .025 dia. leads

#### Temperature Rating:

Operating temperature: -55°C to +85°C  
 Soldering process temperature:  
 Standard insulator: 235°C  
 Hi-Temp insulator: 260°C



### SCREW MACHINE SOCKETS PART NUMBER CONFIGURATION

SERIES	BODY STYLE	POSITIONS	TAIL LENGTH	PLATING
<b>1SMC</b> = .039 (1.00mm) Screw machine contact socket <b>HSMC</b> = .050 (1.27mm) Screw machine contact socket <b>2SMC</b> = .078 (2.00mm) Screw machine contact socket <b>SMC</b> = .100 (2.54mm) Screw machine contact socket	<b>1</b> = Single Row Straight <b>1R</b> = Single Row Right Angle <b>2</b> = Dual Row Straight <b>2R</b> = Dual Row Right Angle	Single Row: <b>01</b> thru <b>40</b> Dual Row: <b>02</b> thru <b>80</b>	<b>1</b> = Standard length	<b>GT</b> = Gold plated inner contact, tin plated outer sleeve <b>TT</b> = Tin plated inner contact, tin plated outer sleeve

#### OPTIONS:

Add designator(s) to end of part number

**SMT** = Surface mount leads Dual Row

**SMT-A** = Surface mount leads Type A

**SMT-B** = Surface mount leads Type B

**HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

PART NUMBER	CENTERLINE	BODY STYLE	POSITIONS	PLATING	PRODUCT DATA
<b>1SMC-1-XX-1-GT</b>	.039" [1.00mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	
<b>2SMC-1-XX-1-GT</b>	.079" [2.00mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>
<b>5SMC1-03-G</b>	.200" [5.08mm]	Single Row, Straight	01-80	Gold Overall	<a href="#">View</a>
<b>5SMC2-02-G</b>	.200" [5.08mm]	Single Row, Straight	01-80	Gold Overall	<a href="#">View</a>
<b>HSMC-1-XX-1-GT</b>	.050" [1.27mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>
<b>ICM-3XX-1-GT-HT</b>	.100" [2.54mm]	Dual Row, Straight	06-28	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>
<b>ICM-6XX-1-GT-HT</b>	.100" [2.54mm]	Dual Row, Straight	06-28	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>
<b>SMC-1-XX-1-GT</b>	.100" [2.54mm]	Single Row, Straight	01-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>
<b>SMC-2-XX-1-GT</b>	.100" [2.54mm]	Dual Row, Straight	02-80	Gold Plated Inner Contact, Tin Plated Outer Sleeve	<a href="#">View</a>

Adam Tech boasts a diverse line of Screw Machine IC Sockets and DIP Terminals. This product line provides durable protection to IC chips and allows for their convenient insertion and removal. These parts are available in a variety of options, including row spacing, positions, tail length, and plating.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Row spacing options ranging from .300" to .900"
- Positions ranging from 6 to 52
- Standard DIP length tails
- Gold plated inner contacts
- Tin plated outer sleeves
- Durable IC chip protection
- Convenient insertion and removal

### SPECIFICATIONS:

#### Material:

- Insulator: PBT, rated UL 94V-0
- Insulator color: Black
- Contacts: Brass or copper alloy
- Clip: Beryllium copper

### Contact Plating:

- Inner contact: Gold over nickel underplate
- Outer sleeve: Tin over nickel/copper underplate

### Electrical:

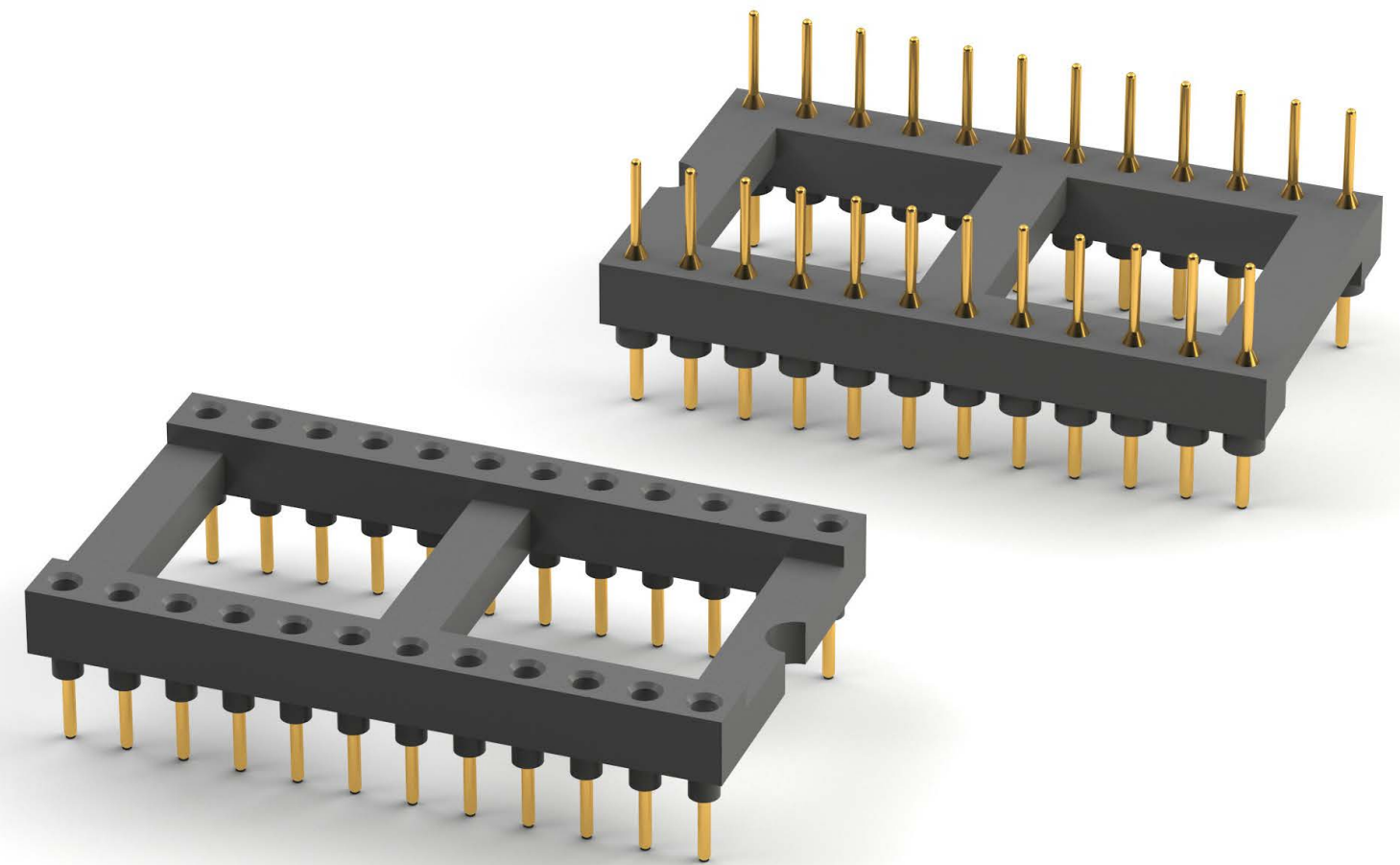
- Current rating: 3 Amps max
- Voltage rating range: 60 to 150V DC
- Current resistance: 4 mohms per contact
- Insulation resistance range: 1000 to 10000 Mohms

### Temperature Rating:

- Operating temperature range: -55°C to +125°C

### APPROVALS AND CERTIFICATIONS:

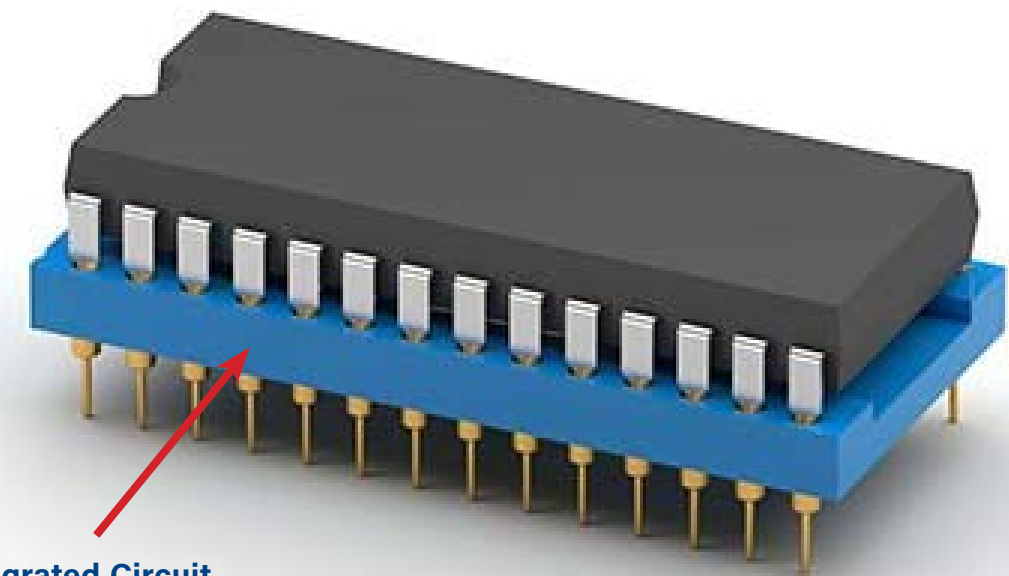
- UL Recognized File no. E224053



## OPEN FRAME SCREW MACHINE SOCKETS & TERMINALS PART NUMBER CONFIGURATION

ICM	-	6	-	28	-	1	-	GT
SERIES		ROW SPACING		POSITIONS		TAIL LENGTH		PLATING
<b>ICM</b> = Screw Machine IC Socket		<b>3</b> = .300" Row Spacing Positions: 06, 08, 10, 14, 16, 18, 20, 24, 28		<b>06 thru 52</b>		<b>1</b> = Standard DIP length <b>2</b> = Wire wrap tails		<b>GT</b> = Gold plated inner contact, tin plated outer sleeve <b>TT</b> = Tin plated inner contact, tin plated outer sleeve
<b>TMC</b> = Screw Machine DIP Terminals		<b>4</b> = .400" Row Spacing Positions: 20, 22, 24, 28, 32,						
		<b>6</b> = .600" Row Spacing Positions: 24, 28, 32, 36, 40, 42, 48, 50, 52						
		<b>9</b> = .900" Row Spacing Positions: 50 & 52						

PART NUMBER	ROW SPACING	POSITIONS	TAIL LENGTH	PLATING	TYPE	PRODUCT DATA
<a href="#">ICM-3XX-1-GT</a>	.300"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	<a href="#">View</a>
<a href="#">ICM-4XX-1-GT</a>	.400"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	<a href="#">View</a>
<a href="#">ICM-6XX-1-GT</a>	.600"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	<a href="#">View</a>
<a href="#">ICM-9XX-XX-1-GT</a>	.900"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	IC Socket	
<a href="#">TMC-3XX-1-G</a>	.300"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	DIP Terminal	<a href="#">View</a>
<a href="#">TMC-6XX-1-G</a>	.600"	06-52	Standard DIP Length	Gold Plated Inner Contact, Tin Plated Outer Sleeve	DIP Terminal	<a href="#">View</a>



Integrated Circuit Mate

# Machine Headers & Receptacles

## SCREW MACHINE TERMINAL STRIPS (HEADERS)

Adam Tech's Screw Machine Terminal Strips are designed with reliability and integration in mind. The high quality of this series allows it to mate seamlessly with compatible screw machine sockets. These terminal strips are offered in a variety of body styles, pitches, positions, and plating options.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Pitch options ranging from .039" to .100"
- Positions ranging from 1 to 80
- Single row
- Straight body
- Gold plated

#### SPECIFICATIONS:

##### Material:

- Insulator: Hi-temp thermoplastic, rated UL 94V-0
- Insulator color: Black
- Contacts: Brass
- Contact Plating: Gold over nickel underplate overall

#### Electrical:

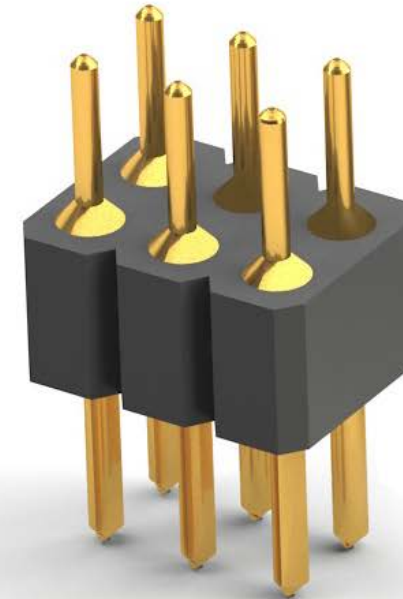
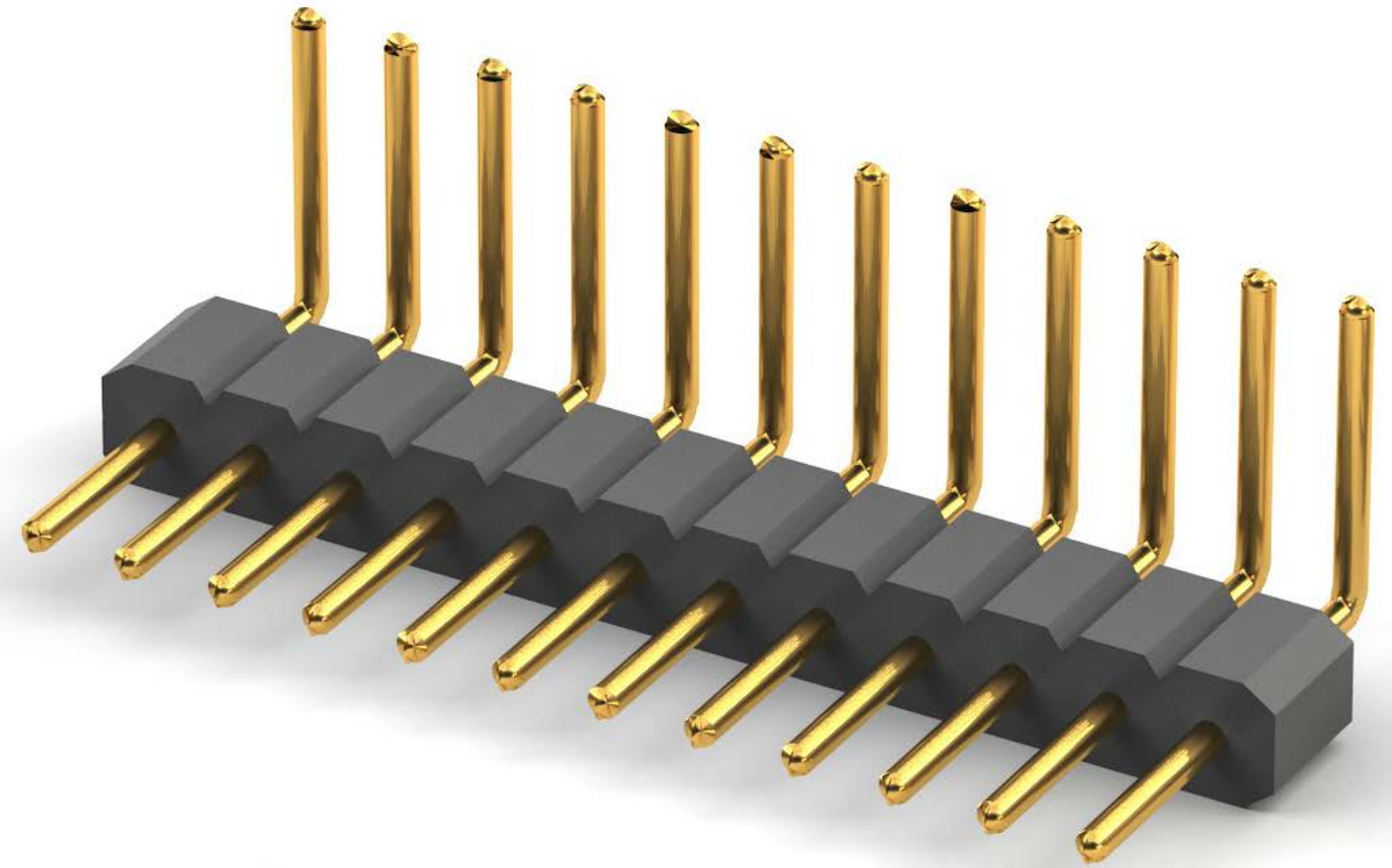
- Current rating range: 1 to 3 Amps max
- Voltage rating: 75V DC max
- Contact resistance: 10 mohms max
- Insulation resistance: 10000 Mohms min
- Dielectric withstanding voltage range: 500 to 1000V AC for 1 minute

#### Temperature Rating:

- Operating temperature range: -55°C to +125°C

#### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053



### PART NUMBER CONFIGURATION

MCT	-	1	-	04	-	1	-	GT
SERIES		BODY STYLE		POSITIONS		TAIL LENGTH		PLATING
<b>1MCT</b> = .039 (1.00mm) Screw machining contact terminal strip		<b>1</b> = Single Row Straight		Single Row: <b>01</b> thru <b>40</b>		<b>1</b> = Standard Length		<b>GT</b> = Gold Internal Contct, Tin Sleeve
<b>HMCT</b> = .050 (1.27mm) Screw machining contact terminal strip		<b>1R</b> = Single Row Right Angle		Dual Row: <b>02</b> thru <b>80</b>		<b>2</b> = Special Length, customer specified as tail length/total length		<b>TT</b> = Tin Overall
<b>2MCT</b> = .078 (2.00mm) Screw machining contact terminal strip		<b>2</b> = Dual Row Straight						
<b>MCT</b> = .100 (2.54mm) Screw machining contact terminal strip		<b>2R</b> = Dual Row Right Angle						

PART NUMBER	CENTERLINE	BODY STYLE	POSITIONS	PLATING	PRODUCT DATA
<a href="#">1MCT-1-XX-1-GT</a>	.039" [1.00mm]	Single Row, Straight	01-80	Gold	
<a href="#">2MCT-1-XX-1-G</a>	.079" [2.00mm]	Single Row, Straight	01-80	Gold	<a href="#">View</a>
<a href="#">HMCT-1-XX-1-G</a>	.050" [1.27mm]	Single Row, Straight	01-80	Gold	<a href="#">View</a>
<a href="#">MCT-1-XX-1-G</a>	.100" [2.54mm]	Single Row, Straight	01-80	Gold	<a href="#">View</a>



Insulation Displacement termination connectors (IDC) are designed to quickly and effectively terminate flat cable in a wide variety of applications. The IDC termination style has migrated and been implemented into a wide range of connector styles because of its reliability and ease of use.

## FEATURES & SPECIFICATIONS

### FEATURES:

- .050" x .050" or .050" x .100"
- Low Profile and High Density
- Uses Single layer .025" Flat Cable
- Quickly and easily mass terminates standard Flat Cable
- Smooth High Pressure Wiping Contacts

### MATING CONNECTORS:

- Adam Tech .050" HBHR series box headers, latch headers or HPH2 series pin headers

### PACKAGING:

- Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

- UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

- Insulator: PBT, glass reinforced, rated UL94V-0
- Insulator Color: Black
- Contacts: Phosphor Bronze

#### Contact Plating:

- Tin over copper underplate overall

#### Electrical:

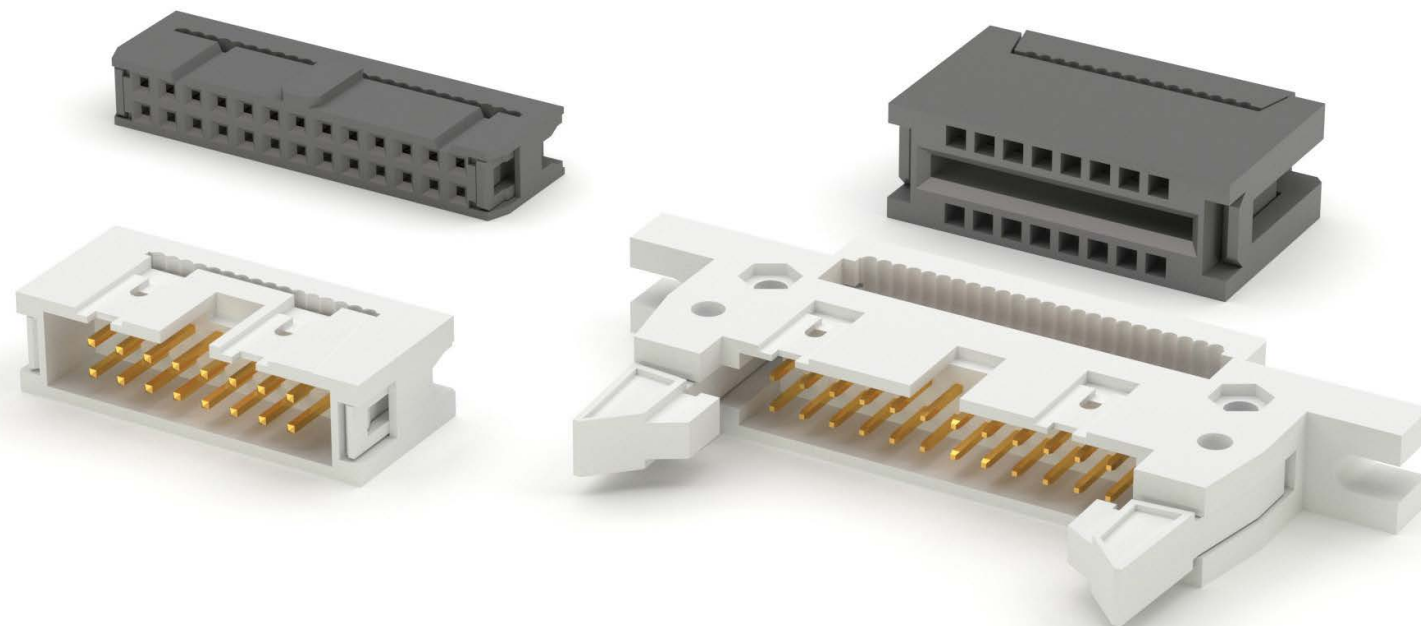
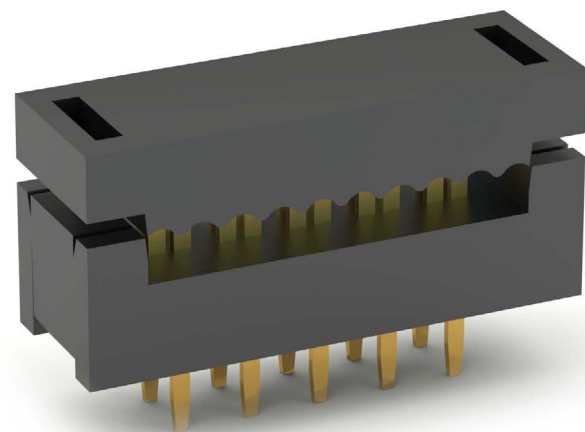
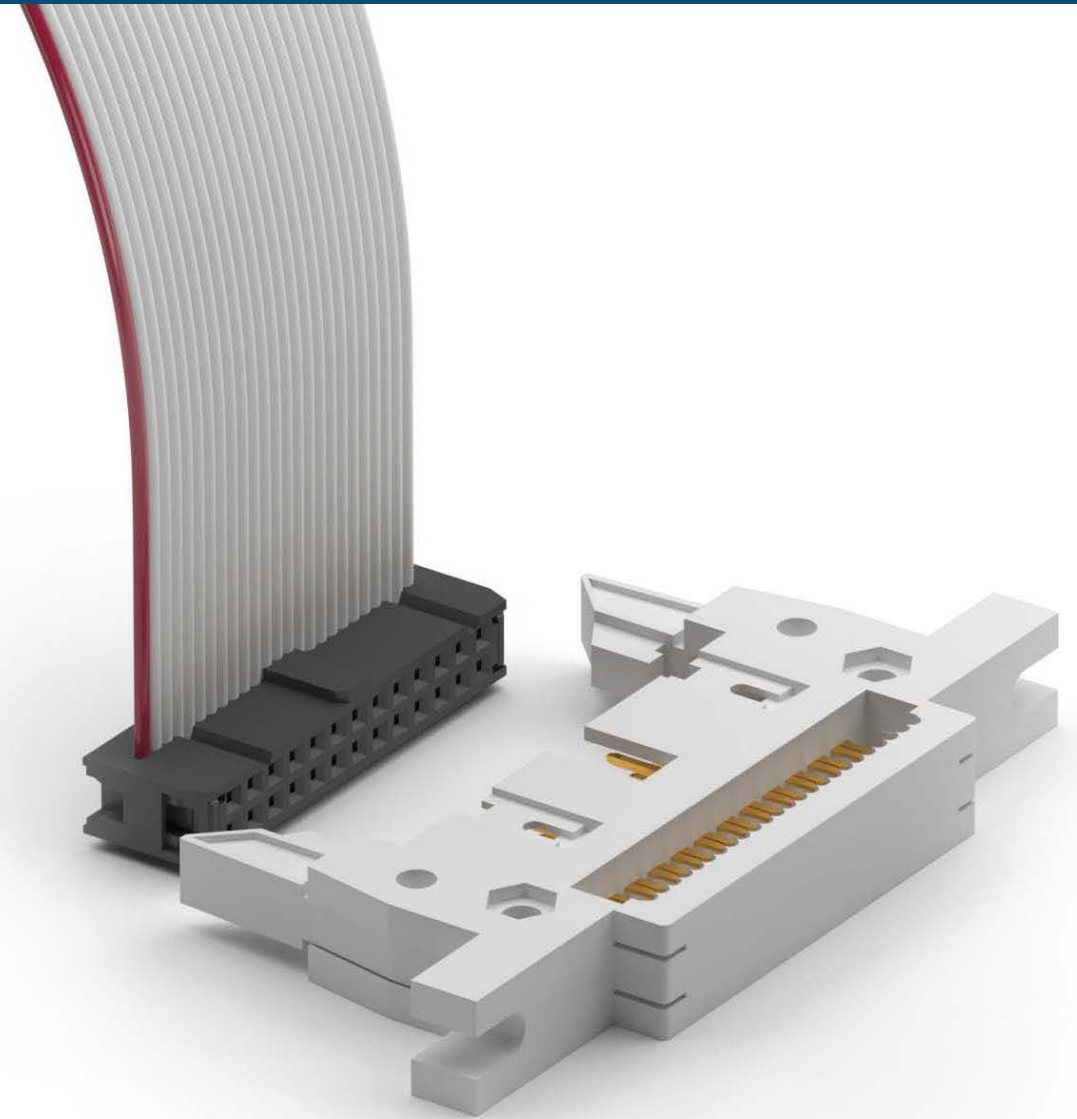
- Operating voltage: 250V AC max.
- Current rating: 1 Amp max.
- Contact resistance: 20 mΩ max. Initial
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

- Insertion force: 0.312 lbs per contact max.
- Withdrawal force: 0.094 lbs per contact min.
- Recommended wire size: 28 Awg stranded
- Cable retention: 22 lbs. min axial force per inch.
- Mating durability: 500 cycles min.

#### Temperature Rating:

- Operating temperature: -40°C to +105°C



Adam Tech IDC Sockets are extremely popular, low profile, precision designed flat cable sockets that feature .100" pin to pin and row to row centerlines. These sockets quickly and easily mass terminate flat cable in one simple step. Their versatility allows them to mate with a multitude of .025" sq. post pin headers. Our superior selectively gold plated contact design provides a smooth high pressure wiping action to ensure excellent continuity. They are used with a single layer of .050" flat cable. Their small size, light weight, low cost and high density make them ideal for use in many applications.

### FEATURES & SPECIFICATIONS

#### FEATURES:

Choice of Single or Dual beam contact design  
 Low Profile and High Density  
 Uses Single layer .050" standard Flat Cable  
 Quickly and easily mass terminates Flat Cable  
 Smooth High Pressure Wiping Contacts

#### MATING CONNECTORS:

Adam Tech .100" BHR series box headers and PH2 series pin headers

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Phosphor Bronze

#### Contact Plating:

Gold flash over nickel underplate on contact area,  
 tin over copper underplate on IDC area

#### Electrical:

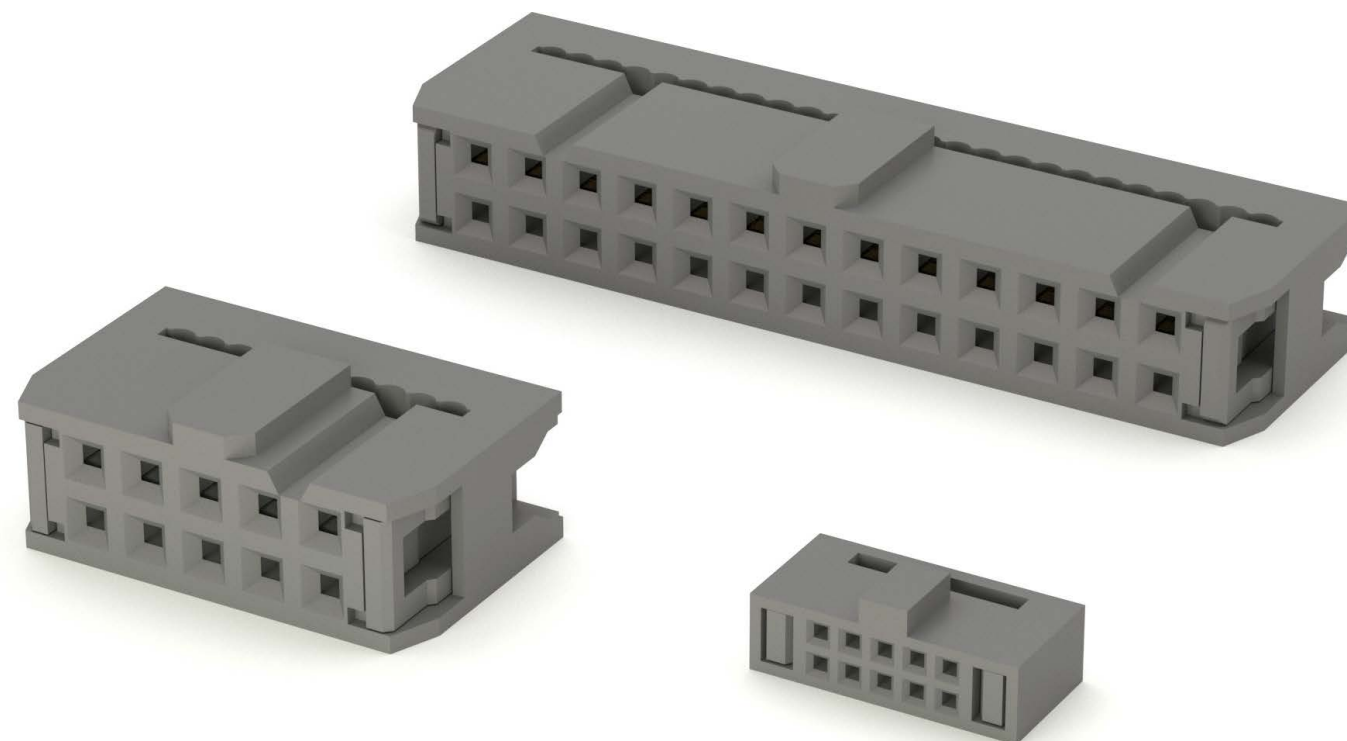
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

#### Mechanical:

Insertion force: FCS-D2: 0.5 lbs per contact max.  
 Withdrawal force: FCS-D2: 0.094 lbs per contact min.  
 Recommended wire size: 28 Awg stranded  
 Cable retention: 28 lbs. min axial force per inch.  
 Mating durability: 500 cycles min.

#### Temperature Rating:

Operating temperature: -40°C to +105°C



### IDC SOCKETS PART NUMBER CONFIGURATION

FCS - 06 - SG - 30			
SERIES	POSITIONS	PLATING	OPTIONS:
<b>HFCS</b> = .050" (1.27x2.54mm) Flat Cable Low profile IDC Socket <b>HFCS-A</b> = .050" (1.27x1.27mm) Flat Cable Low profile IDC Socket .050"x.050" <b>2FCS</b> = .078" (2.00mm) Flat Cable IDC Socket <b>FCS</b> = Flat Cable IDC Socket with standard single wipe contacts <b>FCS-D2</b> = Flat cable IDC socket with dual wipe contacts	HFCS Series: <b>10, 14, 16, 20, 22, 26, 30, 34, 40, 44, 50, 60, 68, 80, 100</b>  HFCS-A Series: <b>6 thru 26, 30, 34, 40, 50, 60, 80</b>  2FCS Series: <b>6 thru 34, 36, 40, 44, 50, 60, 62, 64, 68</b>  FCS Series: <b>06, 08, 10, 12, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 56, 60, 62, 64</b>	<b>SG</b> = Selective gold plating	Add designator(s) to end of part number <b>N</b> = No polarization bump  <b>STRAIN RELIEF:</b> <b>FSR-XX</b> (XX = No. of Positions)  <b>PULL TABS:</b> <b>PT-XX</b> (No. of positions)  <b>KEYING PLUGS:</b> <b>FCS-K</b> (Key plugs can also be molded into connector, consult factory)

PART NUMBER	STRAIN RELIEF	CENTERLINE	CONTACT STYLE	POSITIONS	PLATING	PRODUCT DATA
<a href="#">2FCS-B-XX-SG-PB</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-C-XX-SG-PB</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-C-XX-SG-PB-SR</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-C1-XX-SG-PB-FSR</a>	Yes	.079" [2.00mm]	Dual Wipe Contacts	06-64	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-D-XX-SG-PB-15</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-XX-SG</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-XX-SG-PB</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-XX-SG-PB-30</a>		.079" [2.00mm]		06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FCS-XX-SG-PB-A</a>		.079" [2.00mm]	4 Wipe Contacts	06-68	Selective Gold	<a href="#">View</a>
<a href="#">2FSR-XX</a>	Yes			06-68		<a href="#">View</a>
<a href="#">FCS-C1-XX-G</a>		.100" [2.54mm]	Single Wipe Contacts	06-64	Gold	<a href="#">View</a>
<a href="#">FCS-D2-XX-SG</a>		.100" [2.54mm]	Dual Wipe Contacts	06-64	Selective Gold	<a href="#">View</a>
<a href="#">FCS-D2C1-XX-SG-FSR</a>	Yes	.100" [2.54mm]	Dual Wipe Contacts	06-64	Selective Gold	<a href="#">View</a>
<a href="#">FCS-XX-SG</a>		.100" [2.54mm]	Single Wipe Contacts	06-68	Selective Gold	<a href="#">View</a>
<a href="#">FSR-XX</a>	Yes			06-64		<a href="#">View</a>
<a href="#">HFCS-A-XX-SG</a>		.050" x .050"		06-68	Selective Gold	<a href="#">View</a>
<a href="#">HFCS-A1-XX-G</a>		.050" x .050"		06-80	Gold	<a href="#">View</a>
<a href="#">HFCS-XX-SG</a>		.050" x .100"		06-68	Selective Gold	<a href="#">View</a>

Adam Tech IDC Latch Headers are designed to quickly and easily mass terminate to .050" flat cable. The IDC termination is converted to a Shrouded Box Header with ejector/latches and a polarizing slot that mates with standard IDC sockets. This connector is ideal for splicing and making "T" taps to a cable bus. Adam Tech's sturdy design features solid, selectively gold plated .025"sq. copper alloy posts.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Latches for secure attachment
- Latch ejection feature makes socket removal easy
- IDC Cable to Shrouded Box Header
- Mates with standard IDC sockets
- Ideal for splicing and "T" taps to cable bus
- Solid selectively gold plated contacts

#### MATING CONNECTORS:

Mates with Adam Tech FCS Series .100" (2.54mm) dual row IDC sockets

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, rated UL94V-0  
 Insulator Color: Gray  
 Contacts: Brass

#### Contact Plating:

Gold flash (30  $\mu$ in optional) over nickel on contact area,  
 Tin over copper underplate on IDC area

#### Electrical:

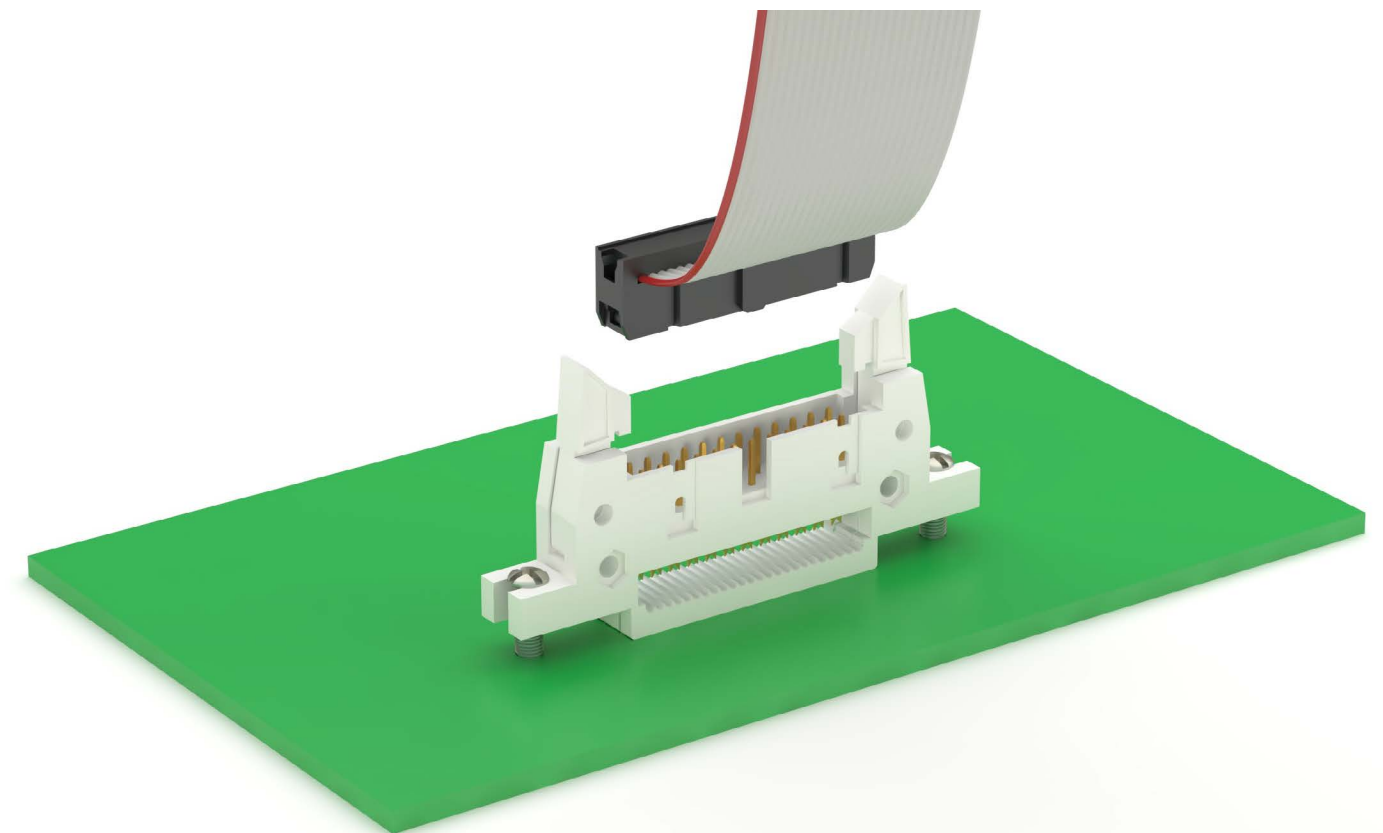
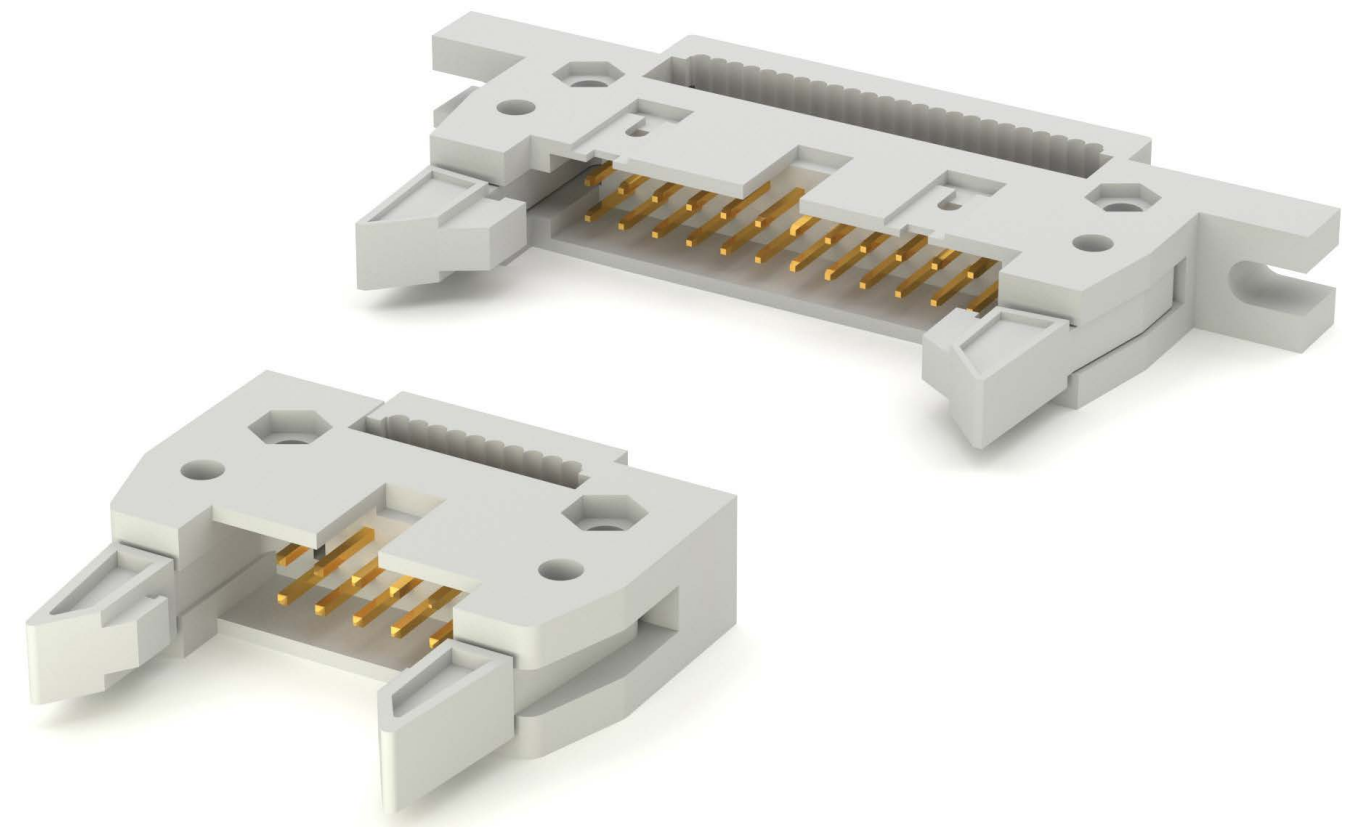
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max  
 Contact resistance: 20 m $\Omega$  max. initial  
 Insulation resistance: 5000 M $\Omega$  min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.5 lbs per circuit max.  
 Withdrawal force: 0.094 lbs per circuit min  
 Mating durability: 500 Cycles min.  
 Recommended cable size: 28 Awg stranded

#### Temperature Rating:

Operating temperature: -40°C to +105°C



### IDC LATCHING HEADERS PART NUMBER CONFIGURATION

MHF	-	10	-	SG	-	S	-	E
SERIES		POSITIONS		PLATING		EJECTOR/LATCHES		OPTIONS:
MHF = IDC Latch Header		10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64		SG = Selective gold plating		S = Short ejector/latches for sockets without strain relief L = Long ejector/latches for sockets with strain relief		Add designator(s) to end of part number E = Mounting Ears

PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	LATCH TYPE	PRODUCT DATA
MHF-XX-SG-L	.100" [2.54mm]	10-64	Selective Gold		Long Ejector Latches - For Sockets with Strain Relief	<a href="#">View</a>
MHF-XX-SG-L-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	Long Ejector Latches - For Sockets with Strain Relief	<a href="#">View</a>
MHF-XX-SG-S	.100" [2.54mm]	10-64	Selective Gold		Short Ejector Latches - For Socket without Strain Relief	<a href="#">View</a>
MHF-XX-SG-S-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	Short Ejector Latches - For Socket without Strain Relief	<a href="#">View</a>

Adam Tech IDC Box Headers are designed to quickly and easily mass terminate to .050" flat cable. The IDC termination is converted to a Shrouded Box Header output with a polarizing slot that mates with standard IDC sockets. This connector is ideal for splicing and making "T" taps to a cable bus. Adam Tech's sturdy design features solid, selectively gold plated .025"sq. copper alloy posts.

### FEATURES & SPECIFICATIONS

#### FEATURES:

IDC Flat Cable to Shrouded Box Header  
 Mates with standard IDC sockets  
 Ideal for splicing and "T" taps to cable bus  
 Solid selectively gold plated contacts

#### MATING CONNECTORS:

Mates with Adam Tech FCS Series .100" [2.54mm] dual row IDC sockets

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, rated UL94V-0  
 Insulator Color: Gray  
 Contacts: Brass

#### Contact Plating:

Gold flash over nickel underplate on contact area, tin over copper underplate on IDC area

#### Electrical:

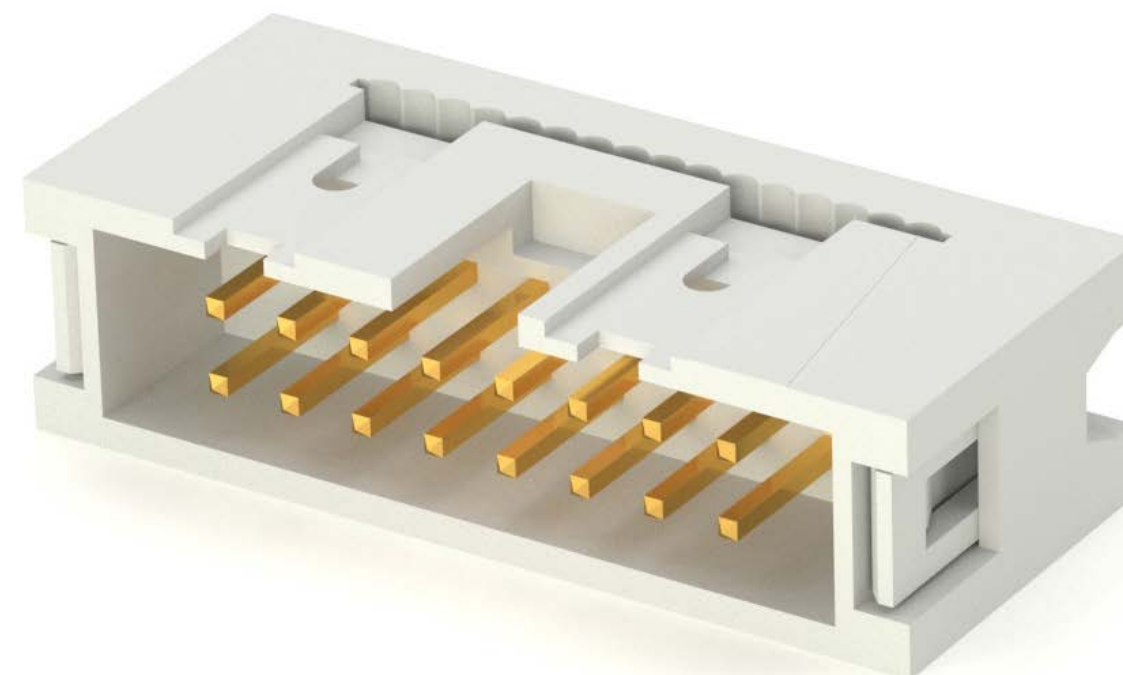
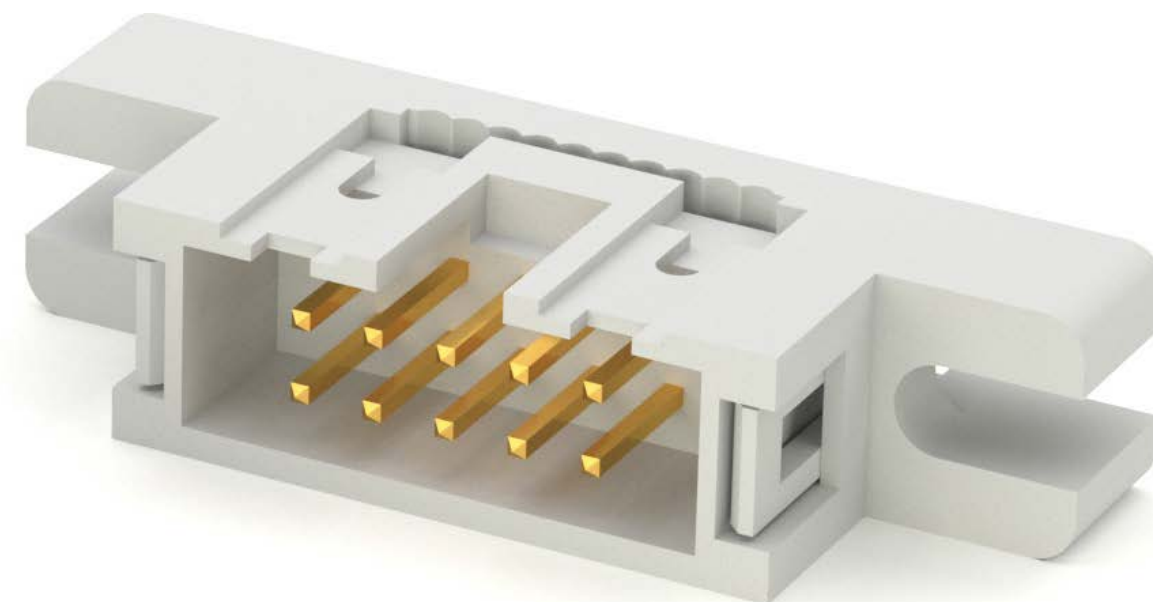
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 5000 MΩ min.  
 Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Insertion force: 0.5 lbs per circuit max.  
 Withdrawal force: 0.094 lbs per circuit min.  
 Mating durability: 500 cycles min.  
 Recommended cable size: 28 Awg stranded

#### Temperature Rating:

Operating temperature: -40°C to +105°C



### IDC BOX HEADERS PART NUMBER CONFIGURATION

FCP	-	10	-	SG	-	E
SERIES		POSITIONS		PLATING		OPTIONS:
FCP = IDC Box Header		10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64		SG = Selective gold plating		Add designator(s) to end of part number E = Mounting Ears

PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	PRODUCT DATA
FCP-XX-SG	.100" [2.54mm]	10-64	Selective Gold		<a href="#">View</a>
FCP-XX-SG-E	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	<a href="#">View</a>

Adam Tech FCE Series IDC Card Edge Connectors are designed to quickly and easily mass terminate .050" flat cable and mate directly with the plated fingers of a PCB as a card edge connector. Our superior designed crimp cap features guides to reduce occurrence of mis-mating and our specially engineered contacts provide strong wiping action and high retention to the PCB.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Available with or without mounting ears
- Special "easy fit" cap reduces mis-mating
- High Retention to PCB
- Selectively Gold plated Bifurcated contacts

#### MATING OPTIONS:

Printed circuit boards with a thickness of .058" to .070"

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
 Insulator Color: Black, (Gray optional)  
 Contacts: Phosphor Bronze

##### Contact Plating:

Gold flash over nickel underplate on contact area,  
 Tin over copper underplate on IDC area

##### Electrical:

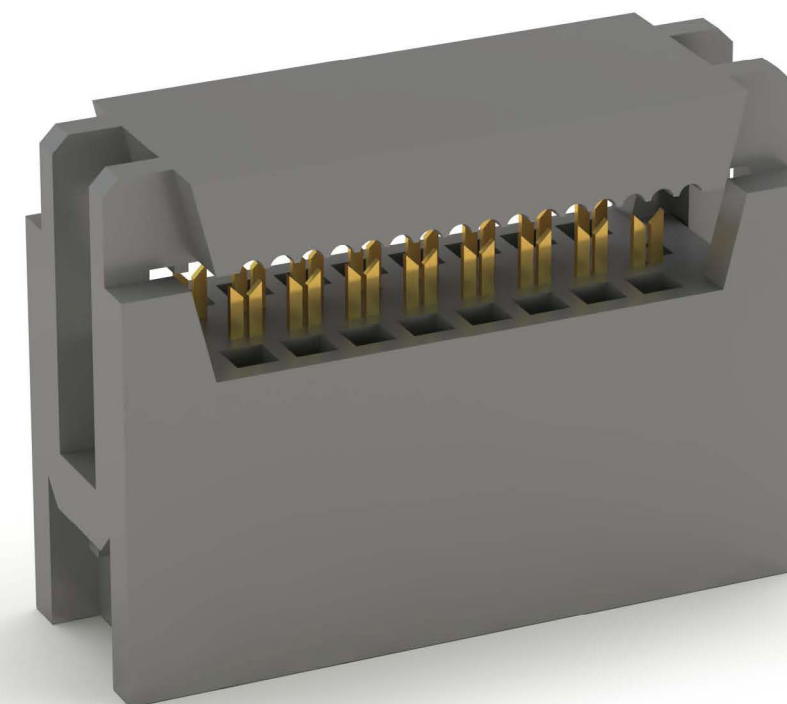
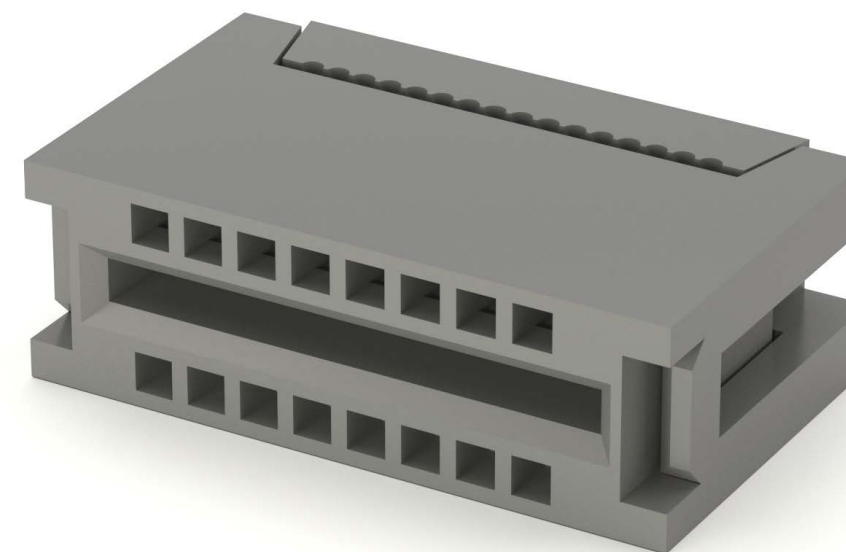
Operating voltage: 250V AC max.  
 Current rating: 1 Amp max.  
 Contact resistance: 30 mΩ max. initial  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 500V AC for 1 minute

##### Mechanical:

PCB Insertion force: 0.406 lbs per contact max.  
 With .062 thick board  
 Withdrawal force: 0.312 lbs per contact min.  
 With .062 thick board  
 Recommended wire size: 28 Awg stranded  
 Cable retention: 28 lbs. min axial force per inch.  
 Mating durability: 500 cycles min.

##### Temperature Rating:

Operating temperature: -40°C to +105°C



### IDC CARD EDGE PART NUMBER CONFIGURATION

SERIES	POSITIONS	PLATING	OPTIONS:
<b>FCE</b> = Card Edge, IDC	<b>10, 14, 16, 20, 26, 34, 40, 50, 60, 62, 64</b>	<b>SG</b> = Selective gold plating	Add designator(s) to end of part number <b>E</b> = Mounting Ears  <b>STRAIN RELIEF:</b> <b>FCR - XX</b> (XX= No. of Positions)  <b>KEYING PLUGS:</b> <b>FCE-K</b> (Key plugs can also be molded into connector, consult factory)

PART NUMBER	CENTERLINE	POSITIONS	PLATING	OPTIONS	PRODUCT DATA
<a href="#">FCE-XX-SG</a>	.100" [2.54mm]	10-64	Selective Gold		<a href="#">View</a>
<a href="#">FCE-XX-SG-E</a>	.100" [2.54mm]	10-64	Selective Gold	Mounting Ears	<a href="#">View</a>

Adam Tech's Flat Cable DIP & Transition plugs are a one piece connector system that quickly and easily mass terminates flat cable then mounts directly to the PCB or PCB socket. These connectors are ideal for interconnecting PCB's in a permanent flat cable transition or satisfying disconnect applications. Our low profile design allows an increased board to board stacking density.

### FEATURES & SPECIFICATIONS

#### FEATURES:

- Available in 8 – 64 positions
- Eliminates need for two piece header & Socket set
- Fast easy mass termination without stripping cable
- Heavy duty Tin plated contacts
- Low Profile, high density board to board stacking
- Plugs into IC Socket or solders directly to PCB

#### PACKAGING:

Anti-ESD plastic trays

#### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

#### SPECIFICATIONS:

##### Material:

- Insulator: PBT, glass reinforced, rated UL94V-0
- Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
- Insulator Color: Black (Gray optional)
- Contacts: Brass

#### Contact Plating:

G = Gold over nickel underplate on contact area, Tin over copper underplate on IDC area.  
T = Tin over copper underplate overall

#### Electrical:

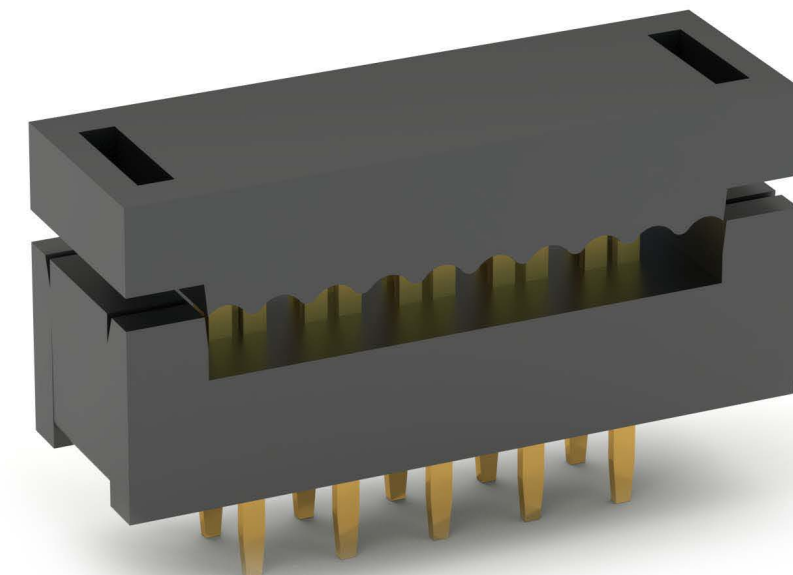
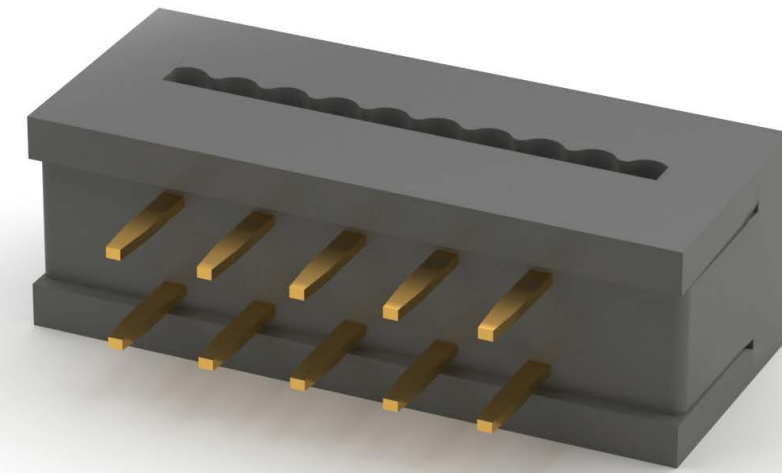
Operating voltage: 250V AC max.  
Current rating: 3 Amp max  
Contact resistance: 20 mΩ max. initial  
Insulation resistance: 5000 MΩ min.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Recommended cable size: 28 Awg stranded

#### Temperature Rating:

Operating temperature: -40°C to +105°C



### IDC DIP & TRANSITION PLUGS PART NUMBER CONFIGURATION

FTR	-	08	-	T	-	GY
SERIES		POSITIONS		PLATING		OPTIONS:
<b>FTR</b> = IDC Flat Cable Transition Plug .100" x .100"		FTR: .100" row spacing Positions: <b>06, 08, 10, 12, 14, 16, 18, 20, 24, 26, 28, 30, 34, 40, 50, 60, 64</b>		<b>T</b> = Tin plated <b>G</b> = Gold plating on tails		Add designator(s) to end of part number <b>GY</b> = Gray color insulator
<b>FDP-3</b> = IDC Flat Cable Dip Plug .100" x .300"		FDP-3: .300" row spacing Positions: <b>08, 10, 14, 16, 18, 20, 24, 26, 28, 34, 40</b>				
<b>FDP-6</b> = IDC Flat Cable Dip Plug .100" x .600"		FDP-6: .600" row spacing Positions: <b>24, 28, 32, 36, 40</b>				

PART NUMBER	PLUG TYPE	PITCH	PLATING	PRODUCT DATA
<b>FDP-3XX-T</b>	Flat Cable DIP Plug	.100" [2.54mm]	Tin	<a href="#">View</a>
<b>FDP-6XX-T</b>	Flat Cable DIP Plug	.100" [2.54mm]	Tin	<a href="#">View</a>
<b>FTR-XX-T</b>	IDC DIP Plug	.100" [2.54mm]	Tin	<a href="#">View</a>

# Receptacles with Board Hooks

.100" & .156" CENTERLINE

Adam Tech PCE & PCD Series receptacles are PCB mounted sockets that have integral PC Board hooks which wrap around the edge of the PCB for added stability. They are made with three mounting and mating configurations which include Top, Bottom & Side entry.

## FEATURES & SPECIFICATIONS

### FEATURES:

- .100" & .156" Centerlines
- Hooks for stability to PCB
- High normal force contacts
- Low insertion force
- Three mounting orientation options

### MATING HEADERS:

Adam Tech PH & LHB headers and all industry standard .100" and .156" pitch pin headers with a .025" or .045" square or round pins

### PACKAGING:

Anti-ESD plastic trays

### APPROVALS AND CERTIFICATIONS:

UL Recognized File no. E224053

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 66, rated UL94V-0  
 Insulator Color: Natural  
 Contacts: Phosphor Bronze

### Contact Plating:

Tin over copper underplate overall

### Electrical:

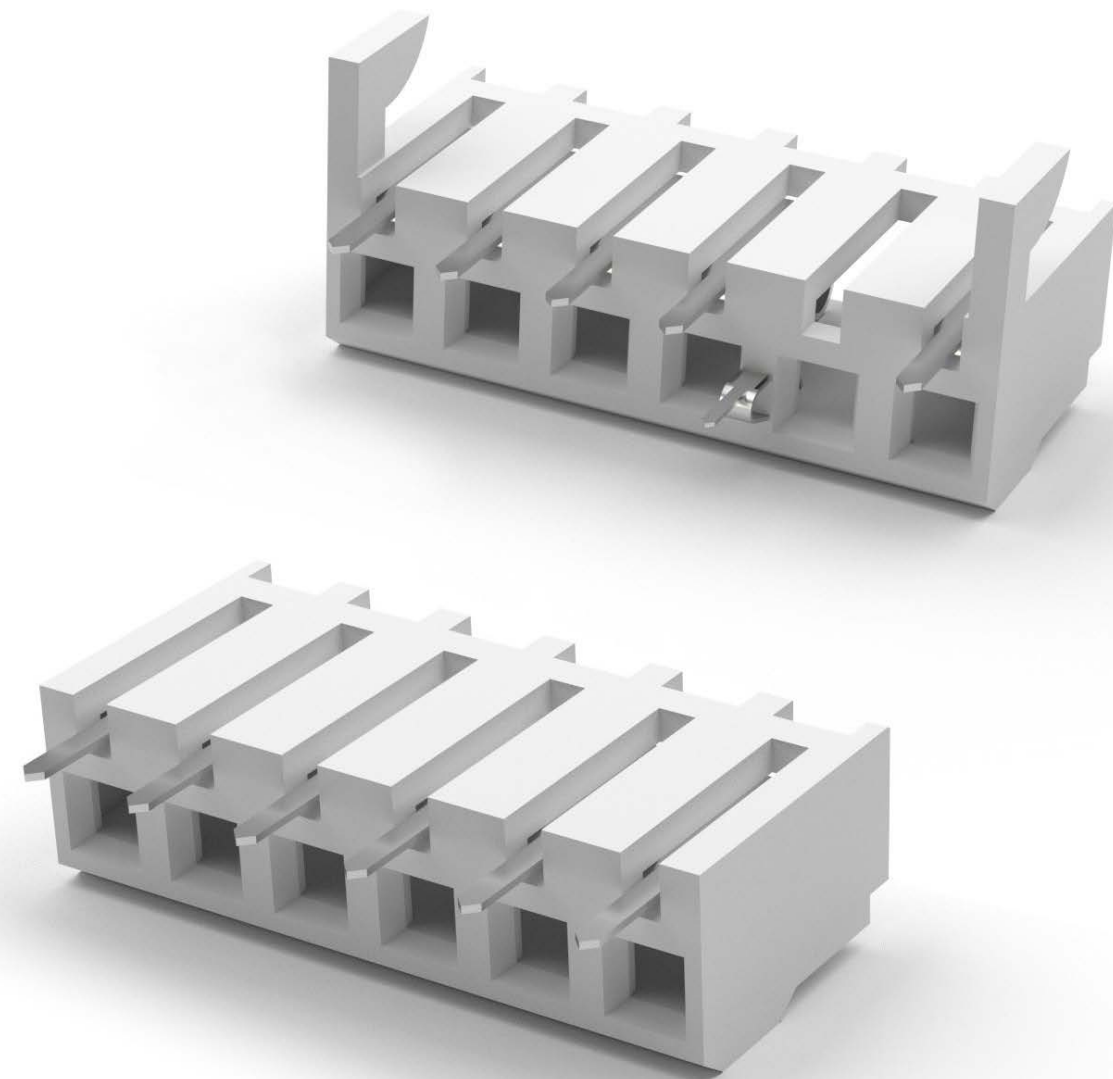
Operating voltage: 250V AC max.  
 Current rating: .100 pitch: 3 Amp max.  
 .156 pitch: 7 Amps max.  
 Contact resistance: 10 mΩ max. Initial  
 Insulation resistance: 1000 MΩ min.  
 Dielectric withstanding voltage: 1500V AC for 1 minute

### Mechanical:

Insertion force: 0.375 lbs max  
 Withdrawal force: 0.187 lbs min.  
 Recommended PCB Thickness: 0.063" (1.6mm)

### Temperature Rating:

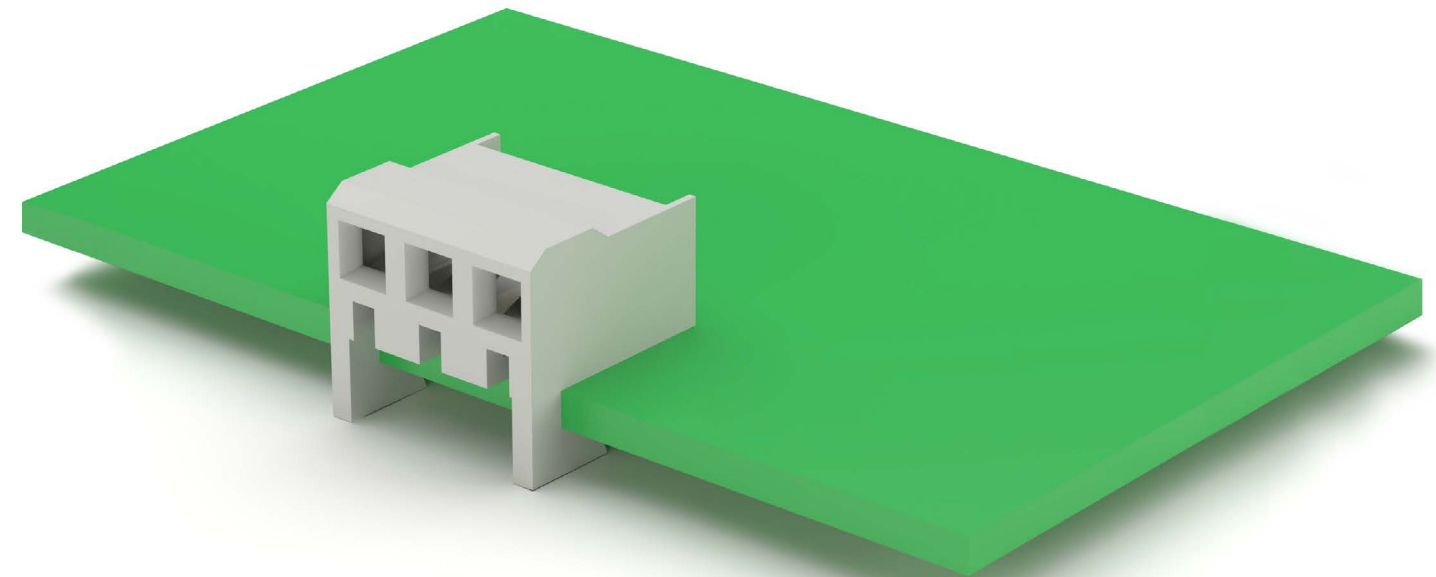
Operating temperature: -40°C to +105°C



## PART NUMBER CONFIGURATION

PCD	-	A	-	02	-	NH
SERIES		ENTRY ANGLE		POSITIONS		OPTIONS
<b>PCE</b> = .100" PCB Connector with board hooks <b>PCD</b> = .156" PCB Connector with board hooks		<b>A</b> = Top entry <b>B</b> = Side entry <b>C</b> = Bottom entry		<b>02 thru 20</b>		<b>NH</b> = No Board hooks

PART NUMBER	CENTERLINE	ENTRY ANGLE	PRODUCT DATA
<a href="#">PCD-A-XX</a>	.156" [3.96mm]	Top Entry	<a href="#">View</a>
<a href="#">PCD-B-XX</a>	.156" [3.96mm]	Side Entry	<a href="#">View</a>
<a href="#">PCD-C-XX</a>	.156" [3.96mm]	Bottom Entry	<a href="#">View</a>
<a href="#">PCE-A-XX</a>	.100" [2.54mm]	Top Entry	<a href="#">View</a>
<a href="#">PCE-B-XX</a>	.100" [2.54mm]	Side Entry	<a href="#">View</a>
<a href="#">PCE-C-XX</a>	.100" [2.54mm]	Bottom Entry	<a href="#">View</a>



Adam Tech's vast line of cable assemblies is further enhanced with a wide offering of accessories. An RF crimp tool kit is available, equipped with a ratchet crimper, cable cutter, cable stripper and full die set. Heat shrink tubing is offered in a variety of sizes and colors. Quick disconnect terminals are also available, in both cable mount and board mount styles.

## FEATURES & SPECIFICATIONS

### FEATURES:

- Provide support to cable assemblies
- RF crimp tool kit with three tools and six dies
- Heat shrink tubing in various sizes, cut lengths, and colors
- Variety of quick disconnect terminals including insulated and through hole

### SPECIFICATIONS:

#### Material:

- Tools: Carbon steel
- Heat shrink tubing: Polyolefin
- Quick disconnect terminals: Bronze or brass, tin plated
- Quick disconnect terminal insulator color: blue or yellow
- Quick disconnect terminal thickness range: 0.4mm to 0.8mm

#### Electrical:

- Heat shrink tubing shrinkage: 2:1

#### Temperature rating:

- Heat shrink tubing operating temperature: -55°C to +125°C



PART NUMBER	PRODUCT TYPE	PRODUCT DATA
<a href="#">ATHT-K3081</a>	RF Crimp Tool Kit	<a href="#">View</a>
<a href="#">HST-A-XXX-XX-X-SR31</a>	Dual Wall Heat Shrink Tubing	<a href="#">View</a>
<a href="#">HST-A-XXX-XX-X-SR41</a>	Dual Wall Heat Shrink Tubing	<a href="#">View</a>
<a href="#">HST-XX-XX-X</a>	Heat Shrink Tubing	<a href="#">View</a>
<a href="#">QD-187-16-14-FI</a>	Quick Disconnect Terminal (Cable Mount)	<a href="#">View</a>
<a href="#">QD-250-12-10-FI</a>	Quick Disconnect Terminal (Cable Mount)	<a href="#">View</a>
<a href="#">QD-250-20-16</a>	Quick Disconnect Terminal (Cable Mount)	<a href="#">View</a>
<a href="#">QD-280-70-M1</a>	Quick Disconnect Terminal (Board Mount)	<a href="#">View</a>
<a href="#">QD-480-620-M1</a>	Quick Disconnect Terminal (Board Mount)	<a href="#">View</a>
<a href="#">QD-635-85-M1</a>	Quick Disconnect Terminal (Board Mount)	<a href="#">View</a>