

Connectors - PCB

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0.2mm - 0.4mm Pitch FFC/FPC Connectors

Easy-On™ FPC Connectors



- 0.25mm FPC connectors
- Surface mount
- Right angle entry
- 1.65mm mated height
- Contact position: Bottom

molex

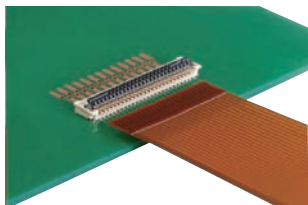
NEW

Contact Material	Copper Gold	Voltage Rating	50V
Contact Plating	300mA	Operating Temperature	-40°C to 85°C
Current Rating			

657734

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	500+	1K+
25	503320-2560	206-1539					
37	503320-3760	206-1540					
41	503320-4160	206-1541					

Easy-On™ FPC Connectors



- Smallest combined depth, height and length of any FPC connector available worldwide
- This new SMT version saves up to 40% of PCB space compared to 0.3mm pitch versions
- Spring contacts allow higher contact and cable retention reliability
- Actuator to housing friction lock allows increased mating retention

- Solder tails within the footprint area helps with stability
- Right angled connector, bottom contact, ZIF, 1.0mm Height

Specifications:-

Contact Material	Copper	Contact Plating	Gold
Current Rating	0.2A	Voltage Rating	50V
Withstanding Voltage	150VAC	Contact Resistance	80mohm
Insulation Resistance		Flammability Rating	UL94V-0

546102

No. of Ways	Mftrs. List No.	Order Code	10+	50+	100+	500+	3K+
17	502078-1710	NEW 206-1538					
21	502078-2110	171-7088					
25	502078-2510	171-7089					
33	502078-3310	175-7227					
39	502078-3910	175-7228					

Easy-On™ BackFlip™ FPC Connectors

0.3mm Pitch



- 0.3mm FPC connectors
- Dual contact position
- Surface mount
- Right angle entry
- 1.15mm mated height

molex

NEW

Contact Material	Copper Gold	Voltage Rating	50V
Contact Plating		Operating Temperature	-40°C to 85°C
Current Rating	200mA		

657737

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	500+	1K+
23	502598-2391	206-1542					
25	502598-2591	206-1543					
27	502598-2791	206-1544					
33	502598-3391	206-1546					

0.3mm Pitch FFC Connector



- Profile height: 1.25mm
- Contact material: Bronze
- Contact plating: Gold
- Insulator material: LCP

HRS

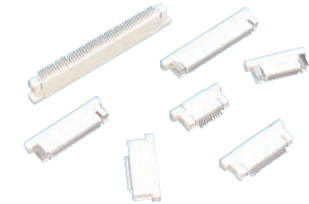
NEW

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+
27	FH23-27S-0.3SHW(05)	200-4565			

646694

FPC/FFC ZIF Connector

0.3mm Pitch



- Surface mount
- Orientation: Right angle
- Housing: LCP
- Contact material: Copper alloy
- Contact plating: Gold

TE connectivity

NEW

0.2mm - 0.4mm Pitch FFC/FPC Connectors - continued

FPC/FFC ZIF Connector - continued

0.3mm Pitch - continued

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Front Flip - Height of 1mm - Width of 3.8mm							
23	1746237-7	181-6358					
27	1746237-9	181-6359					
33	1-1746237-2	181-6346					
35	1-1746237-3	181-6347					
39	1-1746237-5	181-6348					
Front Flip - Height of 0.9mm - Width of 3.2mm							
25	1827827-8	181-6360					
45	1-1827827-8	181-6349					
Rear Flip - Height of 1.2mm - Width of 2.9mm							
29	1-2013496-0	181-6350					
41	1-2013496-6	181-6351					
45	1-2013496-8	181-6352					
Rear Flip - Height of 0.9mm - Width of 3.8mm							
25	2013928-8	181-6361					
33	1-2013928-2	181-6353					
37	1-2013928-4	181-6355					
41	1-2013928-6	181-6356					
45	1-2013928-8	181-6357					

617984

0.5mm Pitch FFC/FPC Connectors

Side Entry Surface Mount FFC/FPC Connector

0.5mm Pitch



- Profile height: 2.5mm
- Current rating: 0.5A
- Voltage rating: 50VAC rms
- Contact material: Phosphor bronze
- Contact plating: Gold

NEW

646832

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	250+
40	FH41-40S-0.5SH(05)	200-4584				
50	FH41-50S-0.5SH(05)	200-4583				

Top Entry Surface Mount FFC/FPC Connector

0.5mm Pitch



- Profile height: 5.8mm
- Contact material: Phosphor bronze
- Contact plating: Gold
- Current rating: 0.5A
- Voltage rating: 50Vrms AC

NEW

646732

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	250+
10	FH40-10S-0.5SV	200-4572				
20	FH40-20S-0.5SV	200-4573				
24	FH40-24S-0.5SV	200-4575				
30	FH40-30S-0.5SV	200-4576				
40	FH40-40S-0.5SV	200-4577				
45	FH40-45S-0.5SV	200-4578				
50	FH40-50S-0.5SV	200-4579				
60	FH40-60S-0.5SV	200-4580				
64	FH40-64S-0.5SV	200-4581				
80	FH40-80S-0.5SV	200-4582				

FPC/FFC ZIF Connector

0.5mm Pitch



- Surface mount
- Housing material: LCP
- Contact material: Phosphor Bronze
- Contact plating: Gold

TE
CONNECTIVITY**NEW**

618079

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
Right Angle - Bottom Contact						
8	1734592-8	181-6379				
10	1-1734592-0..	181-6362				
12	1-1734592-2	181-6363				
14	1-1734592-4	181-6364				
16	1-1734592-6	181-6365				
18	1-1734592-8	181-6367				
20	2-1734592-0..	181-6383				
24	2-1734592-4	181-6384				
28	2-1734592-8	181-6385				
30	3-1734592-0	181-6393				
40	4-1734592-0	181-6399				
50	5-1734592-0	181-6402				
Right Angle - Top Contact						
8	1734839-8	181-6382				
10	1-1734839-0..	181-6373				
12	1-1734839-2	181-6374				
14	1-1734839-4..	181-6375				
16	1-1734839-6..	181-6376				
18	1-1734839-8	181-6377				
20	2-1734839-0	181-6389				
24	2-1734839-4	181-6390				
28	2-1734839-8	181-6392				
30	3-1734839-0	181-6397				
36	3-1734839-6	181-6398				
40	4-1734839-0	181-6401				
50	5-1734839-0	181-6403				

Vertical

8	1734742-8	181-6381				
10	1-1734742-0	181-6368				
12	1-1734742-2	181-6369				
14	1-1734742-4	181-6370				
16	1-1734742-6	181-6371				
18	1-1734742-8	181-6372				
20	2-1734742-0	181-6386				
24	2-1734742-4	181-6387				
28	2-1734742-8	181-6388				
30	3-1734742-0	181-6395				
36	3-1734742-6	181-6396				
40	4-1734742-0	181-6400				

FFC/FPC SMT ZIF Vertical Entry

0.5mm Pitch



- Surface Mount
- Vertical entry
- Pitch - 0.5mm

Insulator	LCP	Working voltage	50 V
Flamability Rating	UL94-V0	Dielectric withstanding voltage	250 VAC/mn
Contact material	Phosphor bronze	Contact resistance	20 mΩ
Contact plating	100μ_Tin_over_50μ_N	Operating Temperature	-25 to 85°C
Actuator material	LCP		

663657

No. of Contacts	Mfrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
6	687306124422	190-8456				
8	687308124422	190-8457				
10	687310124422	190-8458				
12	687312124422	190-8459				
16	687316124422	190-8460				
20	687320124422	190-8461				
30	687330124422	190-8462				
40	687340124422	190-8463				
50	687350124422	190-8464				

FFC/FPC SMT ZIF Right Angled Entry

0.5mm Pitch



- Surface Mount, Right Angled
- Horizontal entry
- Pitch - 0.5mm
- Top and Bottom Contacts

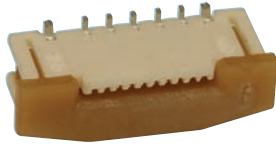
Insulator	LCP	Working voltage	50 V
Flamability Rating	UL94-V0	Dielectric withstanding voltage	250 VAC/mn
Contact material	Phosphor bronze	Contact resistance	20 mΩ
Contact plating	100μ_Tin_over_50μ_N	Operating Temperature	-25 to 85°C
Actuator material	LCP		

663664

No. of	Mftrs.	Order Code	1+	10+	100+	250+
Top Contact						
24	68712414022	190-8472				
30	68713014022	190-8474				
40	68714014022	190-8476				
50	68715014022	190-8478				
Bottom Contact						
24	68712414522	190-8473				
30	68713014522	190-8475				
40	68714014522	190-8477				
50	68715014522	190-8481				

FFC/FPC Connectors

0.5mm Pitch



NEW **molex**

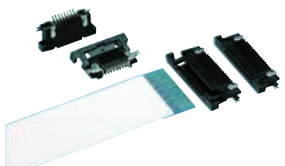
- Contact Material: Phosphor Bronze
- Plating: Gold
- Operating Temperature: -20°C to 85°C
- Current Rating: 0.5A
- Voltage Rating: 50V

621272

No. of	Mftrs.	Order Code	1+	25+	50+	100+	500+
Right Angle - SMT - Bottom Contact Style							
10	52746-1071	182-7154					
14	52746-1471	182-7156					
16	52746-1671	150-9024					
20	52746-2071	150-9069					
30	52437-3071	150-9208					
Right Angle - SMT - Top Contact Style							
10	52745-1097	150-9078					
14	52745-1497	150-9061					
16	52745-1697	150-9071					
20	52745-2097	182-7155					
30	52435-3071	150-9141					
Vertical - SMT							
10	52559-1052	150-9164					
20	52559-2052	150-9057					
30	52559-3052	175-7101					

FPC/FFC ZIF Horizontal Connector

0.5mm Pitch



- Contact plating: Tin Alloy
- Current rating: 0.5A
- Mating cycles: 20 cycles
- Side entry
- Horizontal orientation
- Orders of 500 supplied on reel

FCI

NEW

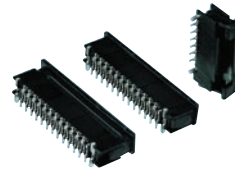
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No. of	Mftrs.	Order Code	1+	10+	100+	250+
Top Contact Connector						
4	SFV4R-1STE9HLF	188-8036				
8	SFV8R-1STE9HLF	188-8037				
10	SFV10R-1STE9HLF	188-8038				
12	SFV12R-1STE9HLF	188-8039				
14	SFV14R-1STE9HLF	188-8040				
16	SFV16R-1STE9HLF	188-8041				
18	SFV18R-1STE9HLF	188-8042				
20	SFV20R-1STE9HLF	188-8044				
24	SFV24R-1STE9HLF	188-8045				
25	SFV25R-1STE9HLF	188-8046				
26	SFV26R-1STE9HLF	188-8047				
28	SFV28R-1STE9HLF	188-8048				
30	SFV30R-1STE9HLF	188-8049				
32	SFV32R-1STE9HLF	188-8050				
33	SFV33R-1STE9HLF	188-8051				
34	SFV34R-1STE9HLF	188-8052				
35	SFV35R-1STE9HLF	188-8053				
Bottom Contact Connector						
4	SFV4R-2STE9HLF	188-8054				
6	SFV6R-2STBE9HLF	188-8056				
8	SFV8R-2STE9HLF	188-8057				
10	SFV10R-2STE9HLF	188-8058				
12	SFV12R-2STE9HLF	188-8059				
14	SFV14R-2STE9HLF	188-8060				
15	SFV15R-2STE9HLF	188-8061				
16	SFV16R-2STE9HLF	188-8062				

No. of	Mftrs.	Order Code	1+	10+	100+	250+
Top Contact Connector						
20	SFV20R-2STE9HLF	188-8063				
25	SFV25R-2STE9HLF	188-8064				
28	SFV28R-2STE9HLF	188-8065				
30	SFV30R-2STE9HLF	188-8066				
32	SFV32R-2STE9HLF	188-8068				
33	SFV33R-2STE9HLF	188-8069				
34	SFV34R-2STE9HLF	188-8070				
35	SFV35R-2STE9HLF	188-8071				

FPC/FCI ZIF Vertical Connector

0.5mm Pitch



- Surface mount
- Current rating: 0.5 A
- Contact plating: Gold
- Mating cycles: 20 cycles

FCI

NEW

617199

No. of	Mftrs.	Order Code	1+	10+	100+	500+
Top Contact Connector						
8	62674-081121ALF	183-0626				
12	62674-121121ALF	183-0627				
16	62674-161121ALF	183-0628				
20	62674-201121ALF	183-0629				
24	62674-241121ALF	183-0630				
25	62674-251121ALF	183-0631				
30	62674-301121ALF	183-0632				
32	62674-321121ALF	183-0633				
33	62674-331121ALF	183-0634				

FFC/FPC ZIF Horizontal Connector

0.5mm Pitch



- Surface mount
- Side entry
- Current rating: 0.5A
- Durability: 20 cycles
- Contact material: Phosphor bronze
- Contact plating: Tin
- Orders of 500 supplied on reel

FCI

NEW

617593

No. of	Mftrs.	Order Code	1+	10+	100+	500+	1K+
Top Contact							
36	62684-36210E9ALF	183-0635					
40	62684-40210E9ALF	183-0637					
45	62684-45210E9ALF	183-0638					
50	62684-50210E9ALF	183-0639					
Bottom Contact							
40	62684-40110E9ALF	183-0640					
45	62684-45110E9ALF	183-0641					
50	62684-50110E9ALF	183-0642					

FFC/FPC Low profile one-touch connector

0.5 mm FA5 Series



- Hold down structure with winding and straining protection
- ZIF structure for easy insertion and removal of FPC
- Operating temperature range: -40°C to 85°C
- Easy handling thanks to rotation of actuator
- Standard mounting type

NEW

JAE

Contact Material	Copper	Contact Plating	Gold
Insulation Resistance	≥	Contact Resistance	≤20mohm
Current Rating	0.8A	Voltage Rating	250VAC

619679

No. of	Mftrs.	Order Code	1+	10+	100+	500+
Right Angle - Standard Contact						
8	FA5S008HP1	184-5084				
10	FA5S010HP1	184-5085				
15	FA5S015HP1	184-5086				
16	FA5S016HP1	184-5087				
18	FA5S018HP1	184-5088				
20	FA5S020HP1	184-5089				
22	FA5S022HP1	184-5090				
24	FA5S024HP1	184-5091				

0.5mm Pitch FFC/FPC Connectors - continued

FFC/FPC Low profile one-touch connector - continued

0.5 mm FA5 Series - continued

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	100+	500+
Right Angle - Standard Contact						
26	FA5S026HP1	184-5092				
30	FA5S030HP1	184-5094				
36	FA5S036HP1	184-5095				
40	FA5S040HP1	184-5096				
45	FA5S045HP1	184-5097				
50	FA5S050HP1	184-5098				

FPC Connector - FH19 Series

0.5mm Pitch



- Low profile 0.5mm Pitch FPC connectors
- Conductive traces on the PCB can run under the connector
- Proven Flip-Lock actuator system assures easy and reliable operation
- Accepts 0.3mm thick FPC

Contacts Plating	Phosphor Bronze Gold Flash	Contact resistance	100mΩ max
Current Rating	0.5A	Temperature range	-55°C to +85°C
		Voltage Rating	50V

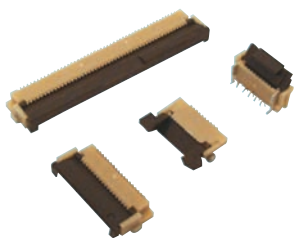
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Order Multiple = 1

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
28	FH19SC-28S-0.5SH(05)	142-5739				
30	FH19SC-30S-0.5SH(05)	142-5740				
40	FH19SC-40S-0.5SH(05)	142-5741				

FH12 FFC/FPC ZIF Connectors

0.5mm Pitch



Current Rating	0.4A
Voltage rating AC	50V
Contact Resistance	≤50mohm
Insulation Resistance	≥
Insulation Material	PPS
Contact Material	Phosphor Bronze
Contact Plating	Gold
Temperature Range	-40°C to +70°C

- Flip lock only requires 6.9N of force to lock and saves board space as no side latch is required
- Standard horizontal connectors require only 2mm height above the board
- Excess solder cavity to avoid solder bridging

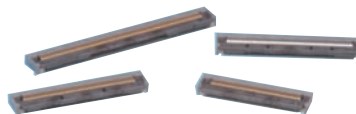
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No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Horizontal, Bottom Contact						
6	FH12-6S-0.5SH(55)	SMD 132-4538				
10	FH12-10S-0.5SH(55)	SMD 132-4540				
12	FH12-12S-0.5SH(55)	SMD 132-4542				
16	FH12-16S-0.5SH(55)	SMD 132-4546				
18	FH12-18S-0.5SH(55)	SMD 132-4547				
20	FH12-20S-0.5SH(55)	SMD 132-4549				
22	FH12-22S-0.5SH(55)	SMD 132-4551				
24	FH12-24S-0.5SH(55)	SMD 132-4552				
26	FH12-26S-0.5SH(55)	SMD 132-4553				
28	FH12-28S-0.5SH(55)	SMD 132-4554				
30	FH12-30S-0.5SH(55)	SMD 132-4555				
40	FH12-40S-0.5SH(55)	SMD 132-4556				
50	FH12-50S-0.5SH(55)	SMD 132-4557				
Horizontal, Bottom Contact with Strengthened Flip-lock Actuator						
30	FH12S-30S-0.5SH(55)	SMD 132-4587				
40	FH12S-40S-0.5SH(55)	SMD 132-4588				
50	FH12S-50S-0.5SH(55)	SMD 132-4589				
Horizontal, Top Contact						
15	FH12A-15S-0.5SH(55)	SMD 132-4560				
18	FH12A-18S-0.5SH(55)	SMD 132-4563				
24	FH12A-24S-0.5SH(55)	SMD 132-4565				
28	FH12A-28S-0.5SH(55)	SMD 132-4567				

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Horizontal, Top Contact						
30	FH12A-30S-0.5SH(55)	SMD 132-4568				
40	FH12A-40S-0.5SH(55)	SMD 132-4569				
50	FH12A-50S-0.5SH(55)	SMD 132-4570				
Vertical, Bottom Contact						
10	FH12-10S-0.5SV(55)	SMD 132-4571				
12	FH12-12S-0.5SV(55)	SMD 132-4572				
24	FH12-24S-0.5SV(55)	SMD 132-4580				
30	FH12-30S-0.5SV(55)	SMD 132-4582				
40	FH12-40S-0.5SV(55)	SMD 132-4583				
50	FH12-50S-0.5SV(55)	SMD 132-4584				

FFC and FPC ZIF Connectors

FH28 Series



- Precise FFC/FPC positioning
- Rotating Actuator
- Restricted space applications
- Standard FFC/FPC thickness

Current Rating	0.5 A	Durability	20 cycles
Voltage Rating	50V AC	Contacts	Phosphor Bronze
Operating Temperature	-40°C to 85°C	Colour	Black

496482

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
30	FH28E-30S-0.5SH(05)	151-8741				
40	FH28E-40S-0.5SH(05)	151-8742				
50	FH28E-50S-0.5SH(05)	151-8743				
60	FH28E-60S-0.5SH(05)	151-8745				

Easy-On™ FFC/FPC Connectors

0.5mm Pitch



- Accommodates 0.30mm thick FFC/FPC
- Cable Retention version prevents actuator from opening
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Contacts Plating	Phosphor Bronze Tin- Bismuth over Nickel	Contact resistance	20mΩ max
		Temperature range	-20°C to +85°C

505658

Pack Quantity = 5

Ways	Mfrs. List No.	Order Code	Price Each			
			5+	25+	50+	100+
ZIF R/A bottom contact SMT						
8	52893-0895	155-6792				
10	52893-1095	155-6793				
12	52893-1295	155-6795				
18	52893-1895	155-6798				
20	52893-2095	155-6799				
24	52893-2495	155-6801				
30	52893-3095	155-6802				
ZIF R/A bottom contact SMT Cable Retention Guide						
8	52892-0895	155-6803				
10	52892-1095	155-6804				
12	52892-1295	155-6805				
14	52892-1495	155-6806				
16	52892-1695	155-6807				
18	52892-1895	155-6808				
20	52892-2095	155-6809				
30	52892-3095	155-6810				

FPC/FFC ZIF Right Angle SMT One-Touch-Flip Lock

0.5mm Pitch



AVX's 6288 series are FPC/FFC connectors designed for vibrative applications such as GPS and AV apparatus for automobile use, electronics for industrial and/or medical applications.

Features:-

- When connecting FPC/FFC with tabs, slanting insertion is prevented to ensure the connection and FPC/FFC retention force
- Simple finger operation
- Clicking feeling indicates locked and secure
- ZIF, Right Angle, Surface Mount, Bottom Contact

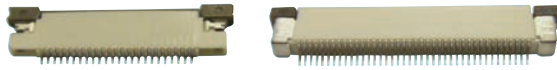
Specifications:-
 Current Rating 0.4A
 Contact Plating Gold
 Insulator Material Heat Resistant Plastic
 Profile Height 2mm
 Operating Temp. -40°C to 105°C

Voltage Rating 50V
 Contact Material Phosphor Bronze
 Withstanding Voltage 200Vrms/min.
 Applicable FPC Thickness 0.3mm

528149

Mftrs. List No.	No. of Ways	Order Code	10+	25+	50+	100+	250+
046288008000846+	8	165-9854					
046288010000846+	10	165-9855					
046288012000846+	12	165-9857					
046288015000846+	15	165-9858					
046288024000846+	24	165-9860					
046288026000846+	26	165-9861					
046288030000846+	30	165-9862					
046288040000846+	40	165-9864					
046288050000846+	50	165-9865					

FPC/FPC Connectors - Low Profile
 0.5mm Pitch



Bottom Contact

Top Contact

- Surface Mount
- Top & Bottom contacts available
- Low Profile Height - 1.2mm
- Flammability Rating - UL94V-0
- Operating Temperature- -25°C to 85°C

Current Rating 0.5A
 Voltage Rating 50V AC/DC
 Contact Material Phosphor Bronze
 Contact Plating Tin
 Insulator Material High Temp. Nylon 46

527899

No. of Ways	Order Code	10+	20+	50+	100+	250+
Bottom Contact						
10	166-1208					
14	166-1209					
18	166-1210					
24	166-1212					
28	166-1213					
30	166-1214					
40	166-1215					
50	166-1216					
Top Contact						
10	166-1217					
14	166-1219					
18	166-1221					
24	166-1223					
28	166-1224					
40	166-1226					
50	166-1227					

1.0mm - 1.25mm Pitch FFC/FPC Connectors

FPC/FPC Connector
 1mm Pitch



- Surface mount and through hole available
- Low profile
- ZIF and Non-ZIF available
- Contact material: Phosphor bronze

NEW

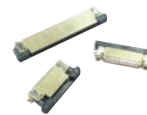
617859

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
ZIF - SMT - Vertical							
8	1734248-8	181-6411					
10	1-1734248-0	181-6404					
12	1-1734248-2	181-6405					
14	1-1734248-4	181-6406					
16	1-1734248-6	181-6407					
18	1-1734248-8	181-6409					
20	2-1734248-0	181-6431					
24	2-1734248-4	181-6432					
28	2-1734248-8	181-6434					
30	3-1734248-0	181-6448					
36	3-1734248-6	181-6449					
40	4-1734248-0	181-6455					
ZIF - SMT - Right Angle - Bottom Contact							
8	84952-8..	181-6456					
10	1-84952-0..	181-6412					
12	1-84952-2	181-6413					

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
ZIF - SMT - Right Angle - Bottom Contact							
14	1-84952-4..	181-6414					
18	1-84952-8	181-6415					
20	2-84952-0..	181-6435					
24	2-84952-4..	181-6436					
28	2-84952-8	181-6437					
30	3-84952-0..	181-6450					
ZIF - SMT - Right Angle - Top Contact							
8	84953-8..	181-6458					
10	1-84953-0	181-6416					
12	1-84953-2	181-6417					
18	1-84953-8	181-6418					
20	2-84953-0..	181-6438					
24	2-84953-4..	181-6439					
28	2-84953-8	181-6440					
30	3-84953-0..	181-6451					
Non-ZIF - SMT - Right Angle - Non-ZIF							
8	84981-8	181-6459					
10	1-84981-0	181-6419					
14	1-84981-4	181-6420					
16	1-84981-6	181-6422					
18	1-84981-8	181-6423					
20	2-84981-0	181-6441					
30	3-84981-0	181-6452					
Non-ZIF - SMT - Vertical							
8	84982-8	181-6460					
10	1-84982-0	181-6424					
16	1-84982-6	181-6425					
18	1-84982-8	181-6426					
20	2-84982-0	181-6442					
28	2-84982-8	181-6443					
30	3-84982-0	181-6453					
Non-ZIF - Through Hole - Vertical							
8	84984-8..	181-6461					
10	1-84984-0..	181-6427					
12	1-84984-2	181-6428					
14	1-84984-4	181-6429					
16	1-84984-6..	181-6430					
20	2-84984-0	181-6446					
24	2-84984-4	181-6447					
30	3-84984-0	181-6454					
Non-ZIF - Through Hole - Right Angle - Top Contact							
20	2-84983-0	181-6444					

FFC/FPC SMT ZIF Right Angled Entry

1mm Pitch



- Surface Mount, Right Angled
- Horizontal entry
- Pitch - 1mm
- Top and Bottom Contacts

NEW

Insulator PPS
 Flammability Rating UL94-V0
 Contact material Phosphor bronze
 Contact plating 100µ_Tin_over_50µ_N
 Actuator material PPS
 Working voltage 125 V
 Dielectric withstanding voltage 500 VAC/mn
 Contact resistance 20 mΩ
 Operating Temperature -25 to 85°C

663659

No. of Contacts	Mftrs. List No.	Order Code	1+	10+	100+	250+
Top Contact						
22	68612214122	190-8465				
26	68612614122	190-8468				
30	68613014122	190-8470				
Bottom Contact						
22	68612214422	190-8466				
26	68612614422	190-8469				
30	68613014422	190-8471				

FPC/FPC Surface Mount ZIF Connector

1mm Pitch



NEW



- Contact material: Phosphor bronze
- Contact plating: Tin alloy
- Current rating: 1A
- Durability: 20 cycles
- Orders of 500 supplied on reel

1.0mm - 1.25mm Pitch FFC/FPC Connectors - continued

FPC/FFC Surface Mount ZIF Connector - continued

1mm Pitch - continued

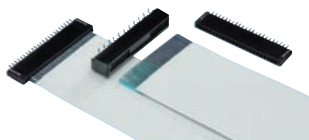
No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+ 1K+
Right Angle - Bottom Contact						
4	SFW4R-1STE9LF	183-0643	●			
5	SFW5R-1STE9LF	183-0644	●			
6	SFW6R-1STE9LF	183-0645	●			
7	SFW7R-1STE9LF	183-0646	●			
8	SFW8R-1STE9LF	183-0647	●			
10	SFW10R-1STE9LF	183-0649	●			
12	SFW12R-1STE9LF	183-0651	●			
14	SFW14R-1STE9LF	183-0652	●			
16	SFW16R-1STE9LF	183-0653	●			
18	SFW18R-1STE9LF	183-0654	●			
20	SFW20R-1STE9LF	183-0655	●			
24	SFW24R-1STE9LF	183-0656	●			
27	SFW27R-1STE9LF	183-0657	●			
28	SFW28R-1STE9LF	183-0658	●			
30	SFW30R-1STE9LF	183-0659	●			

No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+ 1K+
Right Angle - Top Contact						
4	SFW4R-2STE9LF	183-0660	●			
5	SFW5R-2STE9LF	183-0662	●			
6	SFW6R-2STE9LF	183-0663	●			
7	SFW7R-2STE9LF	183-0664	●			
8	SFW8R-2STE9LF	183-0665	●			
10	SFW10R-2STE9LF	183-0666	●			
12	SFW12R-2STE9LF	183-0667	●			
14	SFW14R-2STE9LF	183-0668	●			
16	SFW16R-2STE9LF	183-0669	●			
18	SFW18R-2STE9LF	183-0670	●			
20	SFW20R-2STE9LF	183-0671	●			
24	SFW24R-2STE9LF	183-0672	●			
28	SFW28R-2STE9LF	183-0674	●			
30	SFW30R-2STE9LF	183-0675	●			

No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+ 1K+
Vertical - Bottom Contact						
4	SFW4S-2STE9LF	183-0676	●			
8	SFW8S-2STE9LF	183-0677	●			
10	SFW10S-2STE9LF	183-0678	●			
16	SFW16S-2STE9LF	183-0679	●			
20	SFW20S-2STE9LF	183-0680	●			
24	SFW24S-2STE9LF	183-0681	●			
28	SFW28S-2STE9LF	183-0682	●			
30	SFW30S-2STE9LF	183-0683	●			

FPC/FFC Connector

1mm Pitch



- Surface mount
- Current rating: 1A
- Contact material: Phosphor bronze
- Contact plating: Tin plated
- Durability: 30 cycles

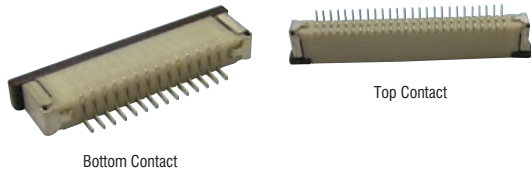


No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+ 1K+
Horizontal - Bottom Contact						
4	HF4R-1STE9LF	183-0684	●			
6	HF6R-1STE9LF	183-0686	●			
8	HF8R-1STE9LF	183-0687	●			
12	HF12R-1STE9LF	183-0688	●			
16	HF16R-1STE9LF	183-0689	●			
20	HF20R-1STE9LF	183-0690	●			
Horizontal - Top Contact						
4	HF4R-2STE9LF	183-0691	●			
6	HF6R-2STE9LF	183-0692	●			
8	HF8R-2STE9LF	183-0693	●			
12	HF12R-2STE9LF	183-0694	●			
14	HF14R-2STE9LF	183-0695	●			
16	HF16R-2STE9LF	183-0696	●			
20	HF20R-2STE9LF	183-0698	●			

No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+ 1K+
Vertical						
5	HF5S-2STE9LF	183-0699	●			
8	HF8S-2STE9LF	183-0700	●			
14	HF14S-2STE9LF	183-0701	●			
18	HF18S-2STE9LF	183-0702	●			
20	HF20S-2STE9LF	183-0704	●			
27	HF27S-2STE9LF	183-0705	●			

FPC/FFC SMD Side Entry Top & Bottom Contact

1.0mm Pitch



- Surface Mount
- Side Entry
- Metal Ears
- Bottom and Top contacts available
- Pitch - 1.0mm
- Flammability Rating - UL94V-0
- Operating Temperature - 25°C to 105°C

Contact	Current Rating	Voltage Rating	Contact Material	Contact Plating	Insulator Material
Bottom	1A	100V AC/DC	Phosphor Bronze	Tin	High Temp. Plastic
Top	1A	100V AC/DC	Copper Alloy	Tin	High Temp. Plastic

No. of Ways		Price Each				
Order Code	10+	20+	50+	100+	250+	
Bottom Contact						
6	166-1251	●				
10	166-1253	●				
14	166-1254	●				
16	166-1256	●				
20	166-1257	●				
26	166-1258	●				
Top Contact						
8	166-1260	●				
10	166-1261	●				
16	166-1263	●				
26	166-1265	●				

FFC/FPC Connectors

1.0mm

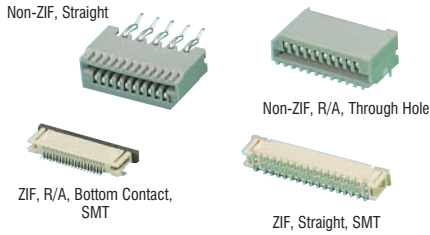


No. of Ways		Price Each				
Mfrs. List No.	Order Code	5+	50+	100+	500+ 1K+	
ZIF R/A top contact SMT						
4	84953-4	124-5278	●			
6	84953-6	124-5279	●			
8	84953-8	124-5280	●			
14	1-84953-4	124-5282	●			
16	1-84953-6	124-5283	●			
20	2-84953-0	124-5285	●			
24	2-84953-4	124-5286	●			
30	3-84953-0	124-5288	●			
ZIF R/A bottom contact SMT						
4	84952-4	124-5267	●			
6	84952-6	124-5268	●			
8	84952-8	124-5269	●			
10	1-84952-0	124-5270	●			
14	1-84952-4	124-5271	●			
16	1-84952-6	124-5273	●			
20	2-84952-0	124-5274	●			
24	2-84952-4	124-5275	●			
26	2-84952-6	124-5276	●			
30	3-84952-0	124-5277	●			

Order Multiple=5

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			5+	50+	100+	500+
Non-ZIF straight through hole						
4	84984-4	124-5255				
6	84984-6	124-5256				
8	84984-8	124-5257				
10	1-84984-0	124-5258				
16	1-84984-6	124-5262				

FFC/FPC Connectors
1.0mm/1.25mm/ Pitch



- Top and bottom contact options
- Accommodates 0.3mm to 0.1mm FFC/FPC
- ZIF versions with secondary actuator
- Gas tight contact interface to the circuit

Contacts: Phosphor Bronze, Beryllium Copper
 Contact resistance: 20mΩ max
 Temperature range: -30°C to +85°C

1.0mm Pitch

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
ZIF R/A bottom contact SMT						
6	52271-0679	107-9950				
8	522710879	107-9951				
10	52271-1079	978-6120				
12	52271-1279	107-9952				
14	52271-1479	978-6139				
16	522711679	978-6147				
20	52271-2079	978-6163				
22	522712279	107-9953				
24	52271-2479	107-9954				
26	52271-2679	978-6171				
30	52271-3079	107-9957				
ZIF R/A top contact SMT						
6	522070685	107-9936				
8	522070885	107-9937				
10	52207-1085	107-9938				
12	522071285	107-9939				
14	52207-1485	107-9940				
16	52207-1685	107-9941				
18	52207-1885	107-9942				
20	52207-2085	107-9944				
22	522072285	107-9945				
24	522072485	107-9946				
26	52207-2685	107-9947				
30	522073085	107-9949				

ZIF straight SMT

6	52610-0671	107-9958				
8	526100871	107-9959				
10	52610-1071	978-6236				
12	526101271	107-9960				
14	526101471	107-9961				
16	526101671	107-9962				
20	526102071	978-6252				
22	52610-2271	107-9963				
24	52610-2471	107-9964				
26	52610-2671	978-6260				
30	52610-3071	978-6279				

1.25mm Pitch

529135

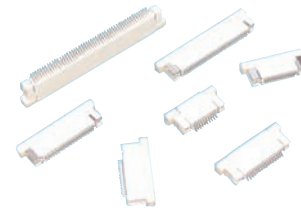
No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
ZIF R/A through hole						
4	39-53-2044	978-5957				
6	39-53-2064	978-5973				
8	39-53-2084	978-5990				
10	39532104	978-6015				
14	39-53-2144	978-6031				
16	39-53-2164	978-6058				
20	39-53-2204	978-6074				
30	39532304	978-6082				

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
ZIF straight through hole						
4	39-53-2045	978-5965				
6	39-53-2065	978-5981				
8	39-53-2085	978-6007				
10	39532105	978-6023				
14	39532145	978-6040				
16	39532165	978-6066				
Non-ZIF R/A through hole						
4	52044-0445	101-2177				
8	52044-0845	101-2178				
14	52044-1445	101-2179				
16	52044-1645	101-2180				
20	52044-2045	101-2181				
Non-ZIF straight						
6	52045-0645	101-2182				
14	52045-1445	101-2183				
30	52045-3045	101-2185				

FPC/FFC Through Hole Connector
1.25mm Pitch



NEW

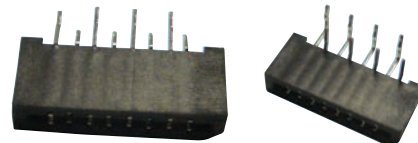


- Non-ZIF
- Colour: White
- Housing material: PBT
- Contact material: Phosphor Bronze
- Contact plating: Tin

618227

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Right Angle - Top Contact						
8	84533-8..	181-6480				
10	1-84533-0	181-6462				
12	1-84533-2	181-6463				
14	1-84533-4	181-6464				
16	1-84533-6	181-6465				
20	2-84533-0..	181-6472				
24	2-84533-4	181-6473				
30	3-84533-0	181-6476				
40	4-84533-0	181-6478				
Vertical						
10	1-84534-0	181-6466				
12	1-84534-2	181-6467				
14	1-84534-4	181-6468				
16	1-84534-6	181-6471				
20	2-84534-0	181-6474				
24	2-84534-4	181-6475				
30	3-84534-0	181-6477				
40	4-84534-0	181-6479				

FPC/FFC Vertical & Right Angle Double Contacts
1.25mm Pitch



- Orientation - Vertical or Right Angle
- Flammability Rating - UL94V-0
- Pitch - 1.25mm
- Operating Temperature - 25°C to 85°C

No. of Ways	Order Code	Price Each			
		10+	20+	50+	100+
Vertical					
4	166-1266				
6	166-1268				
8	166-1269				
14	166-1271				
Right Angle					
4	166-1272				
6	166-1273				
8	166-1274				

1.0mm - 1.25mm Pitch FFC/FPC Connectors - continued

LCD Coaxial Embedded Display Interface



- 1.1mm mating height
- Twin leaf contact structure
- Friction lock mechanism at shell when mated
- Application: DVD/Blu-ray player, Render massive 3D imaging and Slim LED backlight LCD panel

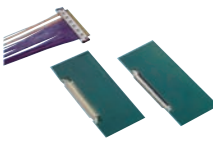
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No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	500+
Shell						
30	5-2023347-2	206-1283				
40	5-2023347-3	206-1285				
Receptacle						
30	5-2069716-2	206-1286				
40	5-2069716-3	206-1287				
Pull Bar						
40	2023348-3	206-1282				

646021

PCB to Cable connector

FI-XP Series



- SPWG and VESA standard connector, compatible to LVDS and Display port transmission
- Mating is possible with existing FI-X harness side (compatible with lock)
- Board foot pattern in common with existing FI-X
- Connector height: 1.55mm
- Hold-down height: 1.0mm or 1.1mm (reverse product)
- Applicable market: Notebook PC, etc

NEW



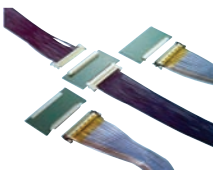
Contact pitch	1mm	Dielectric voltage	500V
Rated current	1A	Insulation resistance	100MΩ
Rated voltage	200V	Contact resistance	40mΩ

621293

No. of Ways	Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
Right Angle Receptacle							
30	FI-XPB30SL-HF10	184-5076					

PCB to Cable connector

FI-X Series



- Board-to-cable for high density packaging
- Low-profile SMT type receptacle 1.0mm high on board
- Mating guide prevents misalignment when connecting. Easy to connect even when it is difficult to check visually
- Pin headers come with hold-down for preventing float up when soldering and offering additional retention on board. The hold-down is incorporated with shell, enabling connection to the ground on board
- Receptacle with a ground plate on both ends of wire terminal of contact, enabling connection to the ground on board

NEW



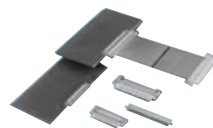
Rated current	1A	Insulation resistance	100MΩ
Dielectric voltage	500V	Contact resistance	40mΩ

621295

No. of Ways	Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
Right Angle Receptacle - Board Back Mounting							
30	FI-XB30SRL-HF11	184-5077					
Right Angle Receptacle - Board Face Mounting							
30	FI-XB30SL-HF10	184-5078					

PCB to Cable connectors

FI-X Series 1.00mm Pitch



Current Rating	1A
Insulation Resistance	100 MΩ
Operating Temperature	-40°C to 80°C
Voltage Rating	200 AC

- Compatible with high speed differential transmission and high level impedance matching (90 to 100 Ω)
- FPC provides stable grounding to the PCB

497222



Mftrs. List No.	Order Code	+	+	+
-----------------	------------	---	---	---

Description

LVDS R/A Header				
with Latch	FI-X30SSLA-HF	219-2362		
Socket				
30	FI-X30H	151-9730		
30 with Latch	FI-X30HL	151-9731		
Kit Assembly				
30	C2781-FI-X30H-KITASSY-300MM	151-9717		
30 with Latch	C2781-FI-X30HL-KITASSY-300MM	151-9716		

FX15 Series, Wire to Board

1mm Pitch



- Pitch: 1mm
- Current rating: 0.5A
- Cable to Board
- Supports LVDS
- Secure Mating

HRS

NEW

No. of ways	Mftrs. List No.	Order Code	1+	25+	50+	100+
Header - Shielded						
31	FX15-31P-C	182-6945				
Header - Enhanced Shield						
31	FX15S-31P-C	182-6946				
41	FX15S-41P-C	182-6947				
51	FX15S-51P-C	182-6948				
Header - Shielded						
21	FX15M-21P-C	182-6949				
31	FX15M-31P-C	182-6950				
Receptacles - Shielded - Right Angle						
31	FX15-31S-0.5SV	182-6951				
Receptacles - Enhanced Shield - Right Angle						
31	FX15S-31S-0.5SH	182-6952				
41	FX15S-41S-0.5SH	182-6953				
51	FX15S-51S-0.5SH	182-6954				
Receptacles - Enhanced Shield VESA standard - Right Angle						
41	FX15SC-41S-0.5SH	182-6958				
51	FX15SC-51S-0.5SH	182-6959				
Receptacles - Without Shield - Right Angle						
21	FX15M-21S-0.5SH	182-6956				
31	FX15M-31S-0.5SH	182-6957				
Receptacles - Enhanced Shield VESA standard - Straight						
41	FX15SC-41S-0.5SV	182-6960				
51	FX15SC-51S-0.5SV	182-6961				
Lead						
150mm Single End	CASS-0844	182-6941				
300mm Single End	CASS-0845	182-6942				

613589

FMS Connector

1mm Pitch



- Compact, 2mm height
- Double Sided Contact
- Simple Snap-In Action
- SMT Configuration to reinforce PCB mounting

Current Rating	0.5A ac/dc	Contact Resistance	20m Ω
Voltage Rating	50V ac/dc	Insulation Resistance	800M Ω
Withstanding Voltage	500V/1min.		
Housing	PPS		
Contacts	Phosphor Bronze, Tin Plated		
Temperature Range	-25°C to 85°C		

494170

No. of Ways	Mftrs. List No.	Order Code	5+	50+	100+	500+
6	06FMS-1.0SP-TF(LF)(SN)	151-6196				
8	08FMS-1.0SP-TF(LF)(SN)	151-6197				
14	14FMS-1.0SP-TF(LF)(SN)	151-6200				

IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

Flexible Flat Cable

FFC Jumper Cables

0.3mm, 0.5mm and 1mm Pitch

NEW

molex



- Contacts on same side - Type A
- Temperature range: -40°C to +105°C

Pitch Type	Current Rating	Voltage Rating (VAC)
0.3mm	0.2A	50V
0.5mm	0.5A	60V
1mm	1.2A	60V

655274

No. of Conductors	Length (mm)	Mftrs. List No.	Order Code	Price Each			
				1+	10+	50+	100+
0.3mm Pitch							
23	101.6	15015-0423	209-6098				
25	101.6	15015-0425	209-6099				
27	101.6	15015-0427	209-6100				
33	101.6	15015-0433	209-6101				
0.5mm Pitch							
12	51	15166-0119	209-6081				
12	152	15166-0127	209-6082				
20	51	15166-0207	209-6083				
20	152	15166-0215	209-6084				
30	51	15166-0317	209-6085				
30	152	15166-0325	209-6086				
40	51	15166-0427	209-6087				
40	152	15166-0435	209-6088				
1mm Pitch							
8	51	15167-0225	209-6089				
8	152	15167-0233	209-6090				
10	51	15167-0247	209-6091				
10	152	15167-0255	209-6093				
16	51	15167-0313	209-6094				
16	152	15167-0321	209-6095				
20	51	15167-0357	209-6096				
20	152	15167-0365	209-6097				

FFC 0.5mm Pitch Standard / Reversible Cable



- Flexible flat cable available in Type 1 (contacts same side) or type 2 (contacts opposite side)
- Flamability rating: UL Sub.758
- Insulation PET (white) with blue PET support tape
- 6 to 50 way
- 50 and 200mm lengths



NEW

Contact Material / Plating	Copper / Tin	Operating Temperature	-30 up to 105°C
Working voltage	60 V (AC)	Heat resistance	85°C x 95 Hrs.
Dielectric withstanding voltage	500 VAC/mn	Moisture resistance	40°C, 95% RH x 96 Hrs
Conductor resistance	< 2.20 Ω/km		

663665

Number Of Conductors	Order Code	Price Each		
		1+	10+	50+
Type 1, 50mm Length				
6	190-8512			
8	190-8514			
10	190-8516			
12	190-8518			
14	190-8520			
16	190-8523			
18	190-8525			
20	190-8527			
24	190-8529			
30	190-8531			
40	190-8533			
50	190-8536			
Type 1, 200mm Length				
6	190-8513			
8	190-8515			
10	190-8517			
12	190-8519			
14	190-8521			
16	190-8524			
18	190-8526			
20	190-8528			
24	190-8530			
30	190-8532			
40	190-8535			
50	190-8537			

Number Of Conductors	Order Code	Price Each		
		1+	10+	50+
Type 2, 50mm Length				
6	190-8538			
8	190-8540			
10	190-8542			
12	190-8544			
14	190-8547			
16	190-8549			
18	190-8551			
20	190-8553			
24	190-8555			
30	190-8557			
40	190-8561			
50	190-8563			
Type 2, 200mm Length				
6	190-8539			
8	190-8541			
10	190-8543			
12	190-8545			
14	190-8548			
16	190-8550			
18	190-8552			
20	190-8554			
24	190-8556			
30	190-8559			
40	190-8562			
50	190-8564			

FFC 1mm Pitch Standard / Reversible Cable



- Flexible flat cable available in Type 1 (contacts same side) or type 2 (contacts opposite side)
- Flamability rating: UL Sub.758
- Insulation PET (white) with blue PET support tape
- 6 to 30 way
- 50 and 200mm lengths



NEW

Contact Material / Plating	Copper / Tin	Operating Temperature	-30 up to 105°C
Working voltage	60 V (AC)	Heat resistance	85°C x 95 Hrs.
Dielectric withstanding voltage	500 VAC/mn	Moisture resistance	40°C, 95% RH x 96 Hrs
Conductor resistance	< 0.33 Ω/km		

663684

Number Of Conductors	Order Code	Price Each		
		1+	10+	50+
Type 1, 50mm Length				
6	190-8573			
8	190-8574			
10	190-8575			
12	190-8576			
14	190-8577			
16	190-8578			
18	190-8579			
20	190-8580			
22	190-8483			
26	190-8581			
30	190-8486			
Type 1, 200mm Length				
6	190-8566			
8	190-8567			
10	190-8568			
12	190-8569			
14	190-8570			
16	190-8572			
18	190-8565			
20	190-8482			
22	190-8484			
26	190-8485			
30	190-8582			
Type 2, 50mm Length				
6	190-8487			
8	190-8489			
10	190-8491			
12	190-8494			
14	190-8496			
16	190-8498			
18	190-8500			
20	190-8502			
22	190-8504			
26	190-8506			
30	190-8508			

Flexible Flat Cable - continued

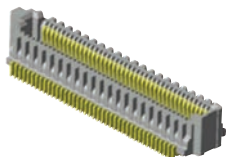
FFC 1mm Pitch Standard / Reversible Cable - continued

Number Of Conductors	Order Code	Price Each		
		1+	10+	50+
Type 2, 200mm Length				
6	190-8488			
8	190-8490			
10	190-8493			
12	190-8495			
14	190-8497			
16	190-8499			
18	190-8501			
20	190-8503			
22	190-8505			
26	190-8507			
30	190-8511			

0.4mm - 0.64mm Pitch (SMT)

Ultra Fine Pitch Header and Receptacles

0.4mm Pitch



samtec

NEW

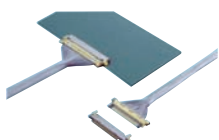
- Housing colour: Black
- Contact plating: Gold
- Housing material: Liquid crystal polymer
- Current rating: 1.3A
- Contact material: Phosphor bronze

Receptacles	Mated Height Combinations	
	Header	
	Profile Height = 3mm	Profile Height = 3.5mm
Profile Height = 1mm	Mated Height = 4mm	Mated Height = 4.5mm
Profile Height = 1.5mm	Mated Height = 4.5mm	Mated Height = 5mm
Profile Height = 2.5mm	Mated Height = 5.5mm	Mated Height = 6mm

No. of Ways	Profile Height (mm)	Mftrs. List No.	Order Code	Price Each		
				1+	10+	50+
Receptacle						
20	3mm	SS4-10-3.00-L-D-K-TR	208-5335			
20	3.5mm	SS4-10-3.50-L-D-K-TR	208-5336			
40	3mm	SS4-20-3.00-L-D-K-TR	208-5337			
40	3.5mm	SS4-20-3.50-L-D-K-TR	208-5338			
60	3mm	SS4-30-3.00-L-D-K-TR	208-5339			
60	3.5mm	SS4-30-3.50-L-D-K-TR	208-5340			
80	3mm	SS4-40-3.00-L-D-K-TR	208-5341			
80	3.5mm	SS4-40-3.50-L-D-K-TR	208-5342			
100	3mm	SS4-50-3.00-L-D-K-TR	208-5343			
100	3.5mm	SS4-50-3.50-L-D-K-TR	208-5345			
Header						
20	1mm	ST4-10-1.00-L-D-P-TR	208-5346			
20	1.5mm	ST4-10-1.50-L-D-P-TR	208-5347			
20	2.5mm	ST4-10-2.50-L-D-P-TR	208-5348			
40	1mm	ST4-20-1.00-L-D-P-TR	208-5349			
40	1.5mm	ST4-20-1.50-L-D-P-TR	208-5350			
40	2.5mm	ST4-20-2.50-L-D-P-TR	208-5351			
60	1mm	ST4-30-1.00-L-D-P-TR	208-5352			
60	1.5mm	ST4-30-1.50-L-D-P-TR	208-5353			
60	2.5mm	ST4-30-2.50-L-D-P-TR	208-5354			
80	1mm	ST4-40-1.00-L-D-P-TR	208-5356			
80	1.5mm	ST4-40-1.50-L-D-P-TR	208-5357			
80	2.5mm	ST4-40-2.50-L-D-P-TR	208-5358			
100	1mm	ST4-50-1.00-L-D-P-TR	208-5359			
100	1.5mm	ST4-50-1.50-L-D-P-TR	208-5360			
100	2.5mm	ST4-50-2.50-L-D-P-TR	208-5361			

PCB to Cable connector

FI-JH Series



Contact pitch	0.4mm
Rated current	0.3A
Rated voltage	50V
Dielectric voltage	250V
Insulation resistance	100MΩ
Contact resistance	40mΩ

NEW

JAE

- Low profile
- Enables stable connection by a secure 0.71mm contact length
- Achieves low contact resistance at gold plated ground contact points on plug and receptacle
- Fiction lock for secure plug and receptacle connection
- Flange with an improved mounting guide, attached on both sides of the plug
- Solder migration prevention structure with Nickel barrier on receptacle

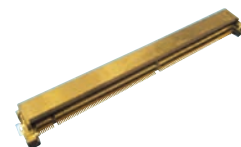
No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	25+	50+	100+
Plug							
30	FI-JH30C-B	184-5079					
40	FI-JH40C-B	184-5082					
Receptacle							
30	FI-JH30S-HF10	184-5080					
40	FI-JH40S-HF10	184-5083					

MXM3.0 Compatible Connector

MM70 Series

NEW

JAE



No Of Ways	314
Current Rating	0.5A
Contact Resistance	55mΩ
Temperature Range	-40°C to +80°C
Insulation Resistance	50MΩ

MM70 Series is a graphics board connector compatible with the MXM3.0 standard. It can be used to connect add-in MXM3.0 modules (graphic boards) in order to improve the graphics processing performance of personal computers

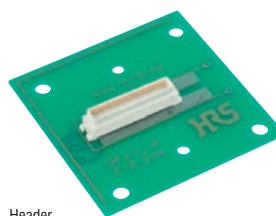
- Mating area is 0.5 mm pitch, with two-layer upper and lower structure
- Compatible with MXM3.0 standard (Card edge type)
- Precision positioning stopper for MXM3.0 module prevents contact failure
- Contact plating is Gold over Nickel

Contact Mftrs. Finish	List No.	Order Code	Price Each			
			1+	10+	25+	50+
Board Height 3 mm						
0.1μm	MM70-314-310B1-1-R300	184-5072				
0.3μm	MM70-314-310B1-2-R300	184-5073				
Board Height 1.5 mm						
0.1μm	MM70-314-310B2-1-R500	184-5074				
0.3μm	MM70-314-310B2-2-R500	184-5075				

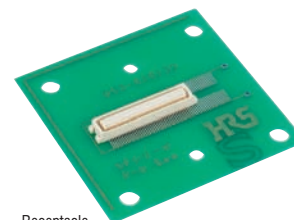
DF17 PCB Stacking Connector System

0.5mm Pitch

HRS



Header



Receptacle

The DF17 range of connectors have been developed to meet the demands of portable and hand held equipment.

- 0.5mm pitch
- Designed to withstand drop impact
- Dual beam bellow contacts maintain continuity under shock and vibration

Current Rating	0.3A	Insulation Mat	
Voltage rating AC	50V RMS	Contact Material	Phos Bronze
Contact Resistance	≤50mΩ	Contact Plating	Gold
Insulation Resistance	≥500MΩ	Temperature Range	-35°C to +85°C

Ref. Fab.	DF17C(3.0)-40DS-0.5V(57)=107-7736
	DF17C(3.0)-80DS-0.5V(57)=107-7737
	DF17C(4.0)-80DS-0.5V(57)=107-7741
	DF17C(2.0)-40DP-0.5V(57)=107-7743
	DF17C(2.0)-80DP-0.5V(57)=107-7744
	DF17C(4.0)-40DP-0.5V(57)=107-7745
	DF17C(4.0)-80DP-0.5V(57)=107-7746

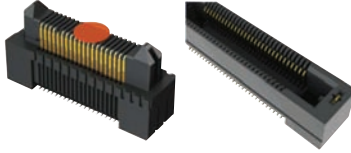
No. of Ways	Order Code	Price Each			
		1+	50+	100+	500+
Receptacle 3mm Height					
40	107-7736				
80	107-7737				
Receptacle 4mm Height					
80	107-7741				
Header 2mm Height					
40	107-7743				
80	107-7744				
Header 4mm Height					
40	107-7745				
80	107-7746				

Rugged High Speed Headers and Receptacles

NEW

samtec

0.5mm Pitch



- High contact wipe
- Housing colour: Black
- Housing material: Liquid crystal polymer
- Contact material: Beryllium copper
- Contact plating: Gold
- Voltage rating: 194 VAC
- Current rating: 1.9A

654776

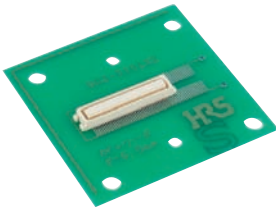
No. of Mfrs.		Price Each	
Ways	Height	List No.	Order Code
			1+
			10+
			50+
Headers - Straight			
20	2mm	ERM5-010-02.0-L-DV-TR	208-5291
20	4mm	ERM5-010-04.0-L-DV-TR	208-5292
20	5mm	ERM5-010-05.0-L-DV-TR	208-5293
40	2mm	ERM5-020-02.0-L-DV-TR	208-5294
40	4mm	ERM5-020-04.0-L-DV-TR	208-5295
40	5mm	ERM5-020-05.0-L-DV-TR	208-5296
60	2mm	ERM5-030-02.0-L-DV-TR	208-5297
60	4mm	ERM5-030-04.0-L-DV-TR	208-5298
60	5mm	ERM5-030-05.0-L-DV-TR	208-5299
80	2mm	ERM5-040-02.0-L-DV-TR	208-5300
80	4mm	ERM5-040-04.0-L-DV-TR	208-5301
80	5mm	ERM5-040-05.0-L-DV-TR	208-5302
100	2mm	ERM5-050-02.0-L-DV-TR	208-5303
100	4mm	ERM5-050-04.0-L-DV-TR	208-5304
100	5mm	ERM5-050-05.0-L-DV-TR	208-5305
120	2mm	ERM5-060-02.0-L-DV-TR	208-5307
120	4mm	ERM5-060-04.0-L-DV-TR	208-5308
120	5mm	ERM5-060-05.0-L-DV-TR	208-5309
140	2mm	ERM5-070-02.0-L-DV-TR	208-5310
140	4mm	ERM5-070-04.0-L-DV-TR	208-5311
140	5mm	ERM5-070-05.0-L-DV-TR	208-5312

No. of Mfrs.		Price Each	
Ways	Height	List No.	Order Code
			1+
			10+
			50+
Receptacle - Straight			
20	5mm	ERF5-010-05.0-L-DV-TR	208-5313
20	7mm	ERF5-010-07.0-L-DV-TR	208-5314
40	5mm	ERF5-020-05.0-L-DV-TR	208-5315
40	7mm	ERF5-020-07.0-L-DV-TR	208-5316
60	5mm	ERF5-030-05.0-L-DV-TR	208-5317
60	7mm	ERF5-030-07.0-L-DV-TR	208-5319
80	5mm	ERF5-040-05.0-L-DV-TR	208-5321
80	7mm	ERF5-040-07.0-L-DV-TR	208-5322
100	5mm	ERF5-050-05.0-L-DV-TR	208-5323
100	7mm	ERF5-050-07.0-L-DV-TR	208-5324
120	5mm	ERF5-060-05.0-L-DV-TR	208-5325
120	7mm	ERF5-060-07.0-L-DV-TR	208-5326
140	5mm	ERF5-070-05.0-L-DV-TR	208-5327
140	7mm	ERF5-070-07.0-L-DV-TR	208-5328

No. of Mfrs.		Price Each	
Ways	Height	List No.	Order Code
			1+
			10+
			50+
Receptacle - Right Angle			
20	-	ERF5-010-01-L-D-RA-TR	208-5329
40	-	ERF5-020-01-L-D-RA-TR	208-5330
60	-	ERF5-030-01-L-D-RA-TR	208-5332
80	-	ERF5-040-01-L-D-RA-TR	208-5333
100	-	ERF5-050-01-L-D-RA-TR	208-5334

0.5mm Pitch Header and Socket

DF17 Series



- Stacking height between 4mm to 8mm depending on variation of header and receptacle
- Current rating: 0.3A
- Voltage rating: 50V AC
- Insulator material: Polyamide
- Contact material: Phosphor Bronze
- Contact plating: Gold

HRS

NEW

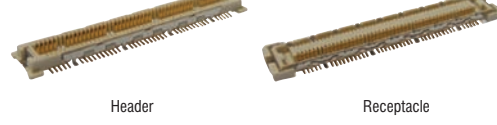
627366

No. of Mfrs.		Price Each	
Ways	List No.	Order Code	1+
			50+
			100+
			500+
Receptacle - 4mm Stacking Height			
30	DF17(3.0H)-30DS-0.5V(57)	187-4465	
60	DF17(3.0H)-60DS-0.5V(57)	187-4466	
70	DF17(3.0H)-70DS-0.5V(57)	187-4467	
80	DF17(3.0H)-80DS-0.5V(57)	187-4468	
Receptacle - 5mm to 7mm Stacking Height			
30	DF17(3.0)-30DS-0.5V(57)	187-4471	
50	DF17(3.0)-50DS-0.5V(57)	187-4472	
60	DF17(3.0)-60DS-0.5V(57)	187-4473	
70	DF17(3.0)-70DS-0.5V(57)	187-4474	

No. of Mfrs.		Price Each	
Ways	List No.	Order Code	1+
			50+
			100+
			500+
Receptacle - 6mm to 8mm Stacking Height			
30	DF17(4.0)-30DS-0.5V(57)	187-4475	
50	DF17(4.0)-50DS-0.5V(57)	187-4477	
60	DF17(4.0)-60DS-0.5V(57)	187-4478	
70	DF17(4.0)-70DS-0.5V(57)	187-4479	
Header - 4mm Stacking Height			
30	DF17(1.0H)-30DP-0.5V(57)	187-4480	
60	DF17(1.0H)-60DP-0.5V(57)	187-4481	
70	DF17(1.0H)-70DP-0.5V(57)	187-4483	
80	DF17(1.0H)-80DP-0.5V(57)	187-4484	
Header - 5mm to 6mm Stacking Height			
30	DF17(2.0)-30DP-0.5V(57)	187-4485	
50	DF17(2.0)-50DP-0.5V(57)	187-4486	
60	DF17(2.0)-60DP-0.5V(57)	187-4487	
70	DF17(2.0)-70DP-0.5V(57)	187-4488	
Header - 7mm to 8mm Stacking Height			
30	DF17(4.0)-30DP-0.5V(57)	187-4489	
50	DF17(4.0)-50DP-0.5V(57)	187-4490	
60	DF17(4.0)-60DP-0.5V(57)	187-4491	
70	DF17(4.0)-70DP-0.5V(57)	187-4492	

FX11 Series High Speed Board to Board connectors

0.5mm Pitch



HRS

NEW

SMD

- 0.5mm pitch ultra-miniature size connectors
- 2-3mm stacking height
- Low profile design
- Improved Transmission efficiency between boards
- Metal fittings for added solder weld strength
- 10 Signal:1 ground arrangement
- High contact reliability
- Optional ground plate
- Applications: PDA, Notebook computers and other miniature electronic equipment

Contact Material	Copper	Contact Plating	Gold
Insulation Resistance	≥ -55°C to 85°C	Contact Resistance	≤60mohm
Operating Temp.	-55°C to 85°C	Insulator Material	LCP
Current Rating	0.3A	Voltage Rating	50VAC

605655

No. of Mfrs.		Price Each	
Ways	List No.	Order Code	1+
			10+
			25+
			50+
			100+
Header			
100+10	FX11A-100P/10-SV(71)	179-8412	
60+6	FX11A-60P/6-SV(71)	179-8422	
60+6	FX11A-60P/6-SV0.5(71)	179-8423	
80+8	FX11A-80P/8-SV(71)	179-8425	
80+8	FX11A-80P/8-SV0.5(71)	179-8426	
80	FX11B-80P-SV	179-8427	
80	FX11B-80P-SV0.5	179-8428	
100+10	FX11LA-100P/10-SV(71)	179-8432	
116	FX11LA-116P-SV	179-8434	
120+12	FX11LA-120P/12-SV(71)	179-8436	
140	FX11LA-140P-SV	179-8438	
60+6	FX11LA-60P/6-SV(71)	179-8440	
68	FX11LA-68P-SV	179-8442	
80+8	FX11LA-80P/8-SV(71)	179-8445	
92	FX11LA-92P-SV	179-8447	
Receptacle			
100+10	FX11A-100S/10-SV(71)	179-8416	
100	FX11A-100S-SV	179-8417	
120+12	FX11A-120S/12-SV(71)	179-8421	
60+6	FX11A-60S/6-SV(71)	179-8424	
80	FX11B-80S-SV	179-8429	
88	FX11A-80S/8-SV(71)	179-8430	
100+10	FX11LA-100S/10-SV(71)	179-8433	
116	FX11LA-116S-SV	179-8435	
120+12	FX11LA-120S/12-SV(71)	179-8437	
140	FX11LA-140S-SV	179-8439	
60+6	FX11LA-60S/6-SV(71)	179-8441	
68	FX11LA-68S-SV	179-8444	
80+8	FX11LA-80S/8-SV(71)	179-8446	
92	FX11LA-92S-SV	179-8448	

0.4mm - 0.64mm Pitch (SMT) - continued

0.5mm Pitch Low Profile Connector

DF23 Series



- Profile height: 1.5mm
- Current rating: 0.3A
- Voltage rating: 50V AC
- Durability: 50 cycles
- Contact material: Phosphor bronze
- Contact plating: Gold
- Colour: Black



No. of Mfrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+
Socket						
10	DF23C-10DS-0.5V(51)	187-4449	●			
12	DF23C-12DS-0.5V(92)	187-4450	●			
14	DF23C-14DS-0.5V(92)	187-4451	●			
16	DF23C-16DS-0.5V(51)	187-4452	●			
18	DF23C-18DS-0.5V(53)	187-4453	●			
20	DF23C-20DS-0.5V(51)	187-4443	●			
30	DF23C-30DS-0.5V(51)	187-4444	●			
40	DF23C-40DS-0.5V(51)	187-4446	●			
50	DF23C-50DS-0.5V(51)	187-4447	●			
60	DF23C-60DS-0.5V(51)	187-4448	●			
Header						
10	DF23C-10DP-0.5V(92)	187-4460	●			
12	DF23C-12DP-0.5V(92)	187-4461	●			
14	DF23C-14DP-0.5V(92)	187-4462	●			
16	DF23C-16DP-0.5V(92)	187-4463	●			
18	DF23C-18DP-0.5V(92)	187-4464	●			
20	DF23C-20DP-0.5V(92)	187-4454	●			
30	DF23C-30DP-0.5V(92)	187-4455	●			
40	DF23C-40DP-0.5V(92)	187-4456	●			
50	DF23C-50DP-0.5V(92)	187-4458	●			
60	DF23C-60DP-0.5V(92)	187-4459	●			

628840

No. of Ways		Mfrs. List No.	Order Code	1+	10+	100+
Header, 4mm Stacking Height						
20		DF12(4.0)-20DP-0.5V(86)	SMD132-4637	●		
30		DF12(4.0)-30DP-0.5V(86)	SMD132-4638	●		
40		DF12(4.0)-40DP-0.5V(86)	SMD132-4641	●		
50		DF12(4.0)-50DP-0.5V(86)	SMD132-4642	●		
Header, 5mm Stacking Height						
20		DF12(5.0)-20DP-0.5V(86)	SMD132-4644	●		
30		DF12(5.0)-30DP-0.5V(86)	SMD132-4645	●		
40		DF12(5.0)-40DP-0.5V(86)	SMD132-4646	●		
50		DF12(5.0)-50DP-0.5V(86)	SMD132-4647	●		
60		DF12(5.0)-60DP-0.5V(86)	SMD132-4648	●		

0.5mm Board-to-Board Headers

2000P Series



- Double row
- Profile Height - 2.2mm / 2.7mm
- Pitch - 0.5mm
- Pitch Row - 0.5mm
- Flammability Rating - UL94V-0
- Operating Temperature - -20°C to 105°C
- Mates with 2001S series

Current Rating	Voltage Rating	Contact Material	Contact Plating	Insulator Material
0.5A	50V AC/DC	Phosphor Bronze	Gold	High Temp. Nylon 46

Mated Heights with 2001S series			
2000P Profile Height	2001S Profile Height		
	2.2mm	2.7mm	4.2mm
2.2mm	3.0mm	3.5mm	5.0mm
2.7mm	3.5mm	4.0mm	5.5mm

527840

No. of Ways		Order Code	5+	25+	50+	100+	250+
Profile Height - 2.2mm							
20		166-1158	●				
30		166-1159	●				
40		166-1160	●				
60		166-1162	●				
Profile Height - 2.7mm							
20		166-1169	●				
40		166-1171	●				
50		166-1172	●				

0.5mm Board-to-Board Sockets

2001S Series



- Double row
- Profile Height - 2.2mm / 2.7mm / 4.2mm
- Pitch - 0.5mm
- Pitch Row - 0.5mm
- Flammability Rating - UL94V-0
- Operating Temperature - -20°C to 105°C
- Mates with 2000P series

Current Rating	Voltage Rating	Contact Material	Contact Plating	Insulator Material
0.5A	50V AC/DC	Phosphor Bronze	Gold	High Temp. Nylon 46

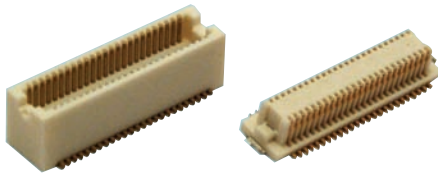
Mated Heights with 2000P series			
2001S Profile Height	2000P Profile Height		
	2.2mm	2.7mm	4.2mm
2.2mm	3.0mm	3.5mm	5.0mm
2.7mm	3.5mm	4.0mm	5.5mm

527859

No. of Ways		Order Code	5+	25+	50+	100+	250+
Profile Height - 2.2mm							
20		166-1163	●				
30		166-1165	●				
40		166-1166	●				
50		166-1167	●				

DF12 Board to Board Connectors

0.5mm Pitch



- 0.5mm pitch ultra-miniature size connector
- 3mm, 3.5mm, 4mm, and 5mm stacking height available
- Vacuum pick-up area to enable automatic mounting
- Metal fitting solder tab included to prevent solder peeling

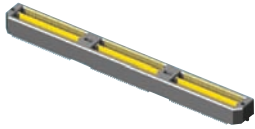
Current Rating	0.3A	Insulation Material	Polyamide
Voltage rating AC	50V	Contact Material	Phosphor Copper
Contact Resistance	≤50mohm	Contact Plating	Gold
Insulation Resistance	≥	Temperature Range	-45°C to +125°C

455939

No. of Ways		Mfrs. List No.	Order Code	1+	10+	100+
Receptacle, 3mm Stacking Height						
20		DF12(3.0)-20DS-0.5V(86)	SMD132-4613	●		
30		DF12(3.0)-30DS-0.5V(86)	SMD132-4616	●		
40		DF12(3.0)-40DS-0.5V(86)	SMD132-4617	●		
50		DF12(3.0)-50DS-0.5V(86)	SMD132-4618	●		
60		DF12(3.0)-60DS-0.5V(86)	SMD132-4619	●		
80		DF12(3.0)-80DS-0.5V(86)	SMD132-4620	●		
Receptacle, 3.5mm to 5mm Stacking Height						
20		DF12-20DS-0.5V(86)	SMD132-4621	●		
30		DF12-30DS-0.5V(86)	SMD132-4622	●		
40		DF12-40DS-0.5V(86)	SMD132-4623	●		
60		DF12-60DS-0.5V(86)	SMD132-4624	●		
Header, 3mm Stacking Height						
20		DF12(3.0)-20DP-0.5V(86)	SMD132-4625	●		
40		DF12(3.0)-40DP-0.5V(86)	SMD132-4628	●		
50		DF12(3.0)-50DP-0.5V(86)	SMD132-4629	●		
60		DF12(3.0)-60DP-0.5V(86)	SMD132-4630	●		
80		DF12(3.0)-80DP-0.5V(86)	SMD132-4631	●		
Header, 3.5mm Stacking Height						
20		DF12(3.5)-20DP-0.5V(86)	SMD132-4632	●		
30		DF12(3.5)-30DP-0.5V(86)	SMD132-4633	●		
40		DF12(3.5)-40DP-0.5V(86)	SMD132-4634	●		
50		DF12(3.5)-50DP-0.5V(86)	SMD132-4635	●		

No. of Ways	Order Code	Price Each			
		5+	25+	50+	100+ 250+
Profile Height - 2.7mm					
20	166-1174				
30	166-1175				
40	166-1177				
50	166-1178				
60	166-1179				
Profile Height - 4.2mm					
20	166-1180				
50	166-1183				
60	166-1184				

0.5mm Hi-Speed Headers QTH series



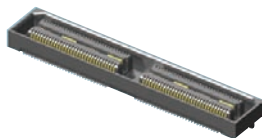
- Integral metal plane for power or ground
- Standard stack heights from 5mm to 25mm
- Polarized
- Double row
- Pitch - 0.5mm
- Mates with Samtec's QSH series

LCP Phosphor Bronze Gold 1A -55°C to 125°C

527359

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+
Profile Height - 4.27mm, Mated Height with QSE - 5mm						
QTH-030-01-L-D-A	60	166-7904				
QTH-060-01-L-D-A	120	166-7909				
QTH-090-01-L-D-A	180	166-7913				
Profile Height - 7.26mm, Mated Height with QSE - 8mm						
QTH-030-02-L-D-A	60	166-7905				
QTH-060-02-L-D-A	120	166-7910				
Profile Height - 10.27mm, Mated Height with QSE - 11mm						
QTH-030-03-L-D-A	60	166-7906				
QTH-060-03-L-D-A	120	166-7911				
Profile Height - 15.25mm, Mated Height with QSE - 16mm						
QTH-030-04-L-D-A	60	166-7908				
QTH-060-04-L-D-A	120	166-7912				
QTH-090-04-L-D-A	180	166-7916				
QTH-120-04-L-D-A	240	166-7922				

0.5mm Hi-Speed Sockets QSH series



- Polarized
- Alignment pins
- Blade & Beam design
- Integral metal plane for power or ground
- Double row
- Pitch - 0.5mm
- Mates with Samtec's QTH series

LCP Phosphor Bronze Gold 1A -55°C to 125°C

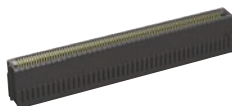
527353

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+ 250+
QSH-030-01-L-D-A	60	166-7876				
QSH-060-01-L-D-A	120	166-7878				
QSH-090-01-L-D-A	180	166-7879				
QSH-120-01-L-D-A	240	166-7880				

0.75mm Micro TCA

Micro TCA Connector Receptacle

NEW



- Insulator material: LCP
- Contact material: Brass Alloy
- Contact plating: Gold
- Current rating: 2.3A

638314

No. of Ways	Mounting	Order Code	Price Each		
			1+	10+	50+
40	Surface Mount	189-4081			
170	Through Hole	189-4082			

0.8mm Pitch (SMT)

Board to Board Connectors

FX18 Series



NEW



The FX18 series meets the high demand for connectors that are suitable for high speed applications. FX18 delivers an impressive 10 Gbps of high speed transmission and supports PCI - Express Ver. 2.0. The innovative structure of the connector features advanced multi functional contacts.

- Pitch: 0.8mm
- Operating Temp: -55°C to +80°C
- Blac PA Board to Board Connector

- Large Mating Guide
- Effective Mating Length: 2mm

613607

Mfrs. List No.	No. of ways	Order Code	Price Each	
			1+	10+
Header - Straight				
FX18-40P-0.8SV	40	182-6936		
FX18-60P-0.8SV	60	182-6939		
Header - Right Angle				
FX18-40P-0.8SH	40	182-6935		
FX18-60P-0.8SH	60	182-6938		
Receptacle - Right Angle				
FX18-40S-0.8SH	40	182-6937		
FX18-60S-0.8SH	60	182-6940		

0.8mm Pitch Stacking Connectors

FX6 Series



NEW



- Stacking height can be set between 5mm and 9mm
- Effective contact length: 1.7mm
- Current rating: 0.5A
- Voltage rating: 100V AC
- Contact material: Phosphor Bronze
- Contact plating: Gold

Stack Height (mm)	Receptacle	
	Header	FX6-*S-0.8SV
5mm	5mm	7mm
6mm	6mm	8mm
7mm	7mm	9mm

Note: * denotes the number of ways

625876

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Header - 5mm to 7mm Stacking Height						
20	FX6-20P-0.8SV(71)	187-4219				
40	FX6-40P-0.8SV(71)	187-4221				
50	FX6-50P-0.8SV(71)	187-4222				
60	FX6-60P-0.8SV(71)	187-4223				
80	FX6-80P-0.8SV(71)	187-4224				
100	FX6-100P-0.8SV(71)	187-4225				
Header - 6mm to 8mm Stacking Height						
20	FX6-20P-0.8SV1(71)	187-4227				
40	FX6-40P-0.8SV1(71)	187-4228				
50	FX6-50P-0.8SV1(71)	187-4229				
60	FX6-60P-0.8SV1(71)	187-4230				
80	FX6-80P-0.8SV1(71)	187-4231				
100	FX6-100P-0.8SV1(71)	187-4232				
Header - 7mm to 9mm Stacking Height						
20	FX6-20P-0.8SV2(71)	187-4233				
40	FX6-40P-0.8SV2(71)	187-4234				
50	FX6-50P-0.8SV2(71)	187-4235				
60	FX6-60P-0.8SV2(71)	187-4236				
80	FX6-80P-0.8SV2(71)	187-4237				
100	FX6-100P-0.8SV2(71)	187-4239				
Socket - 5mm to 7mm Stacking Height						
20	FX6-20S-0.8SV(71)	187-4241				
40	FX6-40S-0.8SV(71)	187-4242				
50	FX6-50S-0.8SV(71)	187-4243				
60	FX6-60S-0.8SV(71)	187-4244				
80	FX6-80S-0.8SV(71)	187-4245				
100	FX6-100S-0.8SV(71)	187-4246				

1.0mm Pitch (SMT) - continued

IEEE 1386 - Mezzanine - continued

1.00mm (.039") Pitch - Plugs and Receptacles - continued

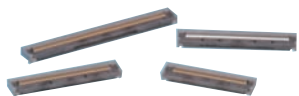
Voltage Rating	100V	Operating temperature range:	-55°C to 85°C
Current Rating	1.0A	Mating/Unmating Force	25 g Max / 50 g Min - per contact
Contact Resistance	30mohm	Contacts	Phosphor Bronze Gold plated
Withstand Voltage	250V	Approval	File No. E29179
Insulation Resistance			

335214

Description	Mftrs.	Order Code	1+	10+	50+	250+	500+
Mated Stack Height	List No.						
Headers							
8.0mm	714360164	SMD477-1308 ●					
10.0mm	714362164	SMD973-4309 ●					
Sockets							
8/9/10 mm	714390164	SMD973-4317 ●					

Double row low profile wire to board connectors

DF20 Series



- Precise FFC/FPC positioning
- Rotating Actuator
- Restricted space applications
- Standard FFC/FPC thickness

Current Rating	0.5 A	Durability	50 cycles
Voltage Rating	50V AC	Contacts	Phosphor Bronze
Operating Temperature	-40°C to 85°C	Colour	Beige

496489

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Straight Header with boss						
10	DF20G-10DP-1V(55)	151-8780 ●				
Straight Header without boss						
10	DF20F-10DP-1V(55)	151-8789 ●				
Right Angle Header without boss						
10	DF20F-10DP-1H(50)	151-8790 ●				
Socket Housing						
40	DF20A-40DS-1C	151-8795 ●				
30	DF20A-30DS-1C	151-8796 ●				
20	DF20A-20DS-1C	151-8797 ●				
10	DF20A-10DS-1C	151-8798 ●				
Crimp Terminal						
30-32 AWG	DF20F-3032SCFA	151-8785 ●		100+	500+	1K+
28-30 AWG	DF20F-2830SCFA	151-8786 ●				
Crimp Tool						
HT302/DF20B-2830S	151-8799			1+		

DF20 Wire Assemblies



- Pre-crimped socket-to-socket wire assemblies
- Choice of cable lengths - 150 / 300mm
- Use with Hirose's DF20 WTB Connectors

Specifications:-		
Cond. Resistance	5Ω	Insul. Resistance 5MΩ
Resistance Voltage		200V DC

528868

Wire Length	Order Code	10+	50+	100+	500+	1K+
150mm	168-8140 ●					
300mm	168-8141 ●					

Top Board Mounting Receptacles and Plug Crimp Housings

DF19 Series



Top Board Mounting Receptacle



Crimp Plug Housing

- Low profile - 1.5mm (Housing), 1.65mm (Receptacle)
- 1mm pitch

Specifications:-			
Contact Material	Phosphor Bronze	Contact Plating	Gold
Insulation Resistance		Contact Resistance	30mohm
Operating Temp.	-35°C to 85°C	Insulator Material	Polyamide
Current Rating	1A (28 AWG)	Voltage Rating	100VAC
	0.9A (30 AWG)		
	0.8A (32 AWG)		

550606

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	250+	500+
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Crimp Socket Housing

8	DF19G-8P-1H(54)	171-9156 ●					
20	DF19G-20P-1H(54)	171-9151 ●					
30	DF19G-30P-1H(54)	171-9155 ●					

Pin Header, Locating Boss, Right Angle, SMT

8	DF19G-8S-1C(05)	171-9157 ●					
20	DF19G-20S-1C(05)	171-9152 ●					
30	DF19G-30S-1C(05)	171-9153 ●					

DF19 Series Crimp Pin Contact

28-30	DF19A-2830SCFA	171-9158 ●		10+	100+	1K+	10K+
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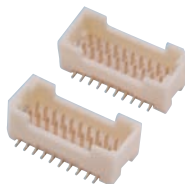
Cable Assemblies, Crimp Pin - Crimp Pin, 28-30 AWG

Length Mftrs. List No.	Order Code	10+	50+	100+	1K+
150mm	CASS-0840	171-9160 ●			
300mm	CASS-0841	171-9161 ●			

Crimp Tool

Mftrs. List No.	Order Code	1+
HT302/DF19S	171-9159 ▲	

PCB Headers (SMT Versions)



- 1mm pitch
- Single and double row headers
- Metal solder tabs
- Low profile
- 2 to 50 positions available
- Contact Finish, Tin

Voltage rating	50V ac/dc	Insulation resistance	100MΩ (250V dc)
Current rating	1A ac/dc	Temperature range	-25°C to 85°C
Dielectric strength	500V ac	Housing	High-Temp Thermoplastic

Mftrs. List No. Vertical single row header = M40-301XX46 Mates with M40-110 Series, Vertical double row header = M40-302XX46 Mates with M40-120, 90° Single row header = M40-401XX46 mates with M40-110, where XX=No. of ways

386450

Order Multiple=5

No. of Ways	Order Code	5+	100+	250+
Vertical Single Row Header				
4	872-8992 ●			
6	872-9000 ●			
8	872-9018 ●			
10	872-9026 ●			
14	872-9042 ●			
Vertical Double Row Header				
10+10	139-0874 ●			
90 ° Single Row Header				
2	872-9093 ●			
4	872-9107 ●			
6	872-9115 ●			
8	872-9123 ●			
10	872-9131 ●			

Crimp Terminal Housing



- 1mm Pitch
- Single and double housings
- Mates with Harwin 1mm PCB headers
- Low profile
- Uses female crimped contacts see **Below**

Mftrs. List No. Single row housing = M40-110XX00, Double row housing = M40-120XX00, where XX=No. of ways Single row Mates with M40-301 and M40-401 series Double row mates with M40-302

386451

Order Multiple=5

No. of Ways	Mftrs. List No.	Order Code	5+	100+	250+
Single Row Housing					
2	M40-1100200	872-8879 ●			
4	M40-1100400	872-8887 ●			
6	M40-1100600	872-8895 ●			
8	M40-1100800	872-8909 ●			
10	M40-1101000	872-8917 ●			
12	M40-1101200	872-8925 ●			
14	M40-1101400	872-8933 ●			
Double Row Housing					
10+10	M40-1201000	872-8941 ●			
15+15	M40-1201500	872-8950 ●			

Female Crimped Contacts

HARWIN



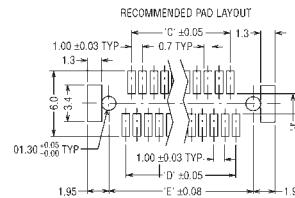
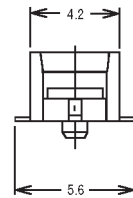
- Supplied with pre-crimped cables
- Choice of cable lengths and sizes
- For use with 1.0mm terminal housings
- Twin-beam contacts for high reliability
- Red PVC equipment wire
- Use with M40-110 and M40-120 Series Above

386454

Order Multiple=10

Contact Size	Length (mm)	Mftrs. list No.	Order Code	10+	100+	250+
Crimp Socket to Free End						
28AWG	150	M40-9000099	872-9166			
32AWG	150	M40-9010099	872-9174			
28AWG	300	M40-9020099	872-9182			
32AWG	300	M40-9030099	872-9190			
Crimp Socket to Crimp Socket						
28AWG	150	M40-9040099	872-9204			
32AWG	150	M40-9050099	872-9212			
28AWG	300	M40-9060099	872-9220			
32AWG	300	M40-9070099	872-9239			

Voltage rating	Current rating	Dielectric strength	Insulation resistance	Temperature range	Solderability	Housing	Contact	No. of Dimensions (mm)			
								Ways	C	D	E
100Vac	0.5A	250Vac	MΩ(250Vdc)	-55°C to +100°C	260°C/10sec	Nylon 4.6 UL94V-0	Phosphor Bronze, Tin plated	9	3.0	4.0	7.1
								15	6.0	7.0	10.1
								21	9.0	10.0	13.1
								25	11.0	12.0	15.1
								31	14.0	15.0	18.1
								41	19.0	20.0	23.1
								51	24.0	25.0	28.1



Mftrs. List No. Plugs=M40-60XX46, Sockets=M40-620XX46, where XX=No. of ways
SMT Sockets Mate with M40-620 Series
SMT Plugs Mate with M40-600 Series

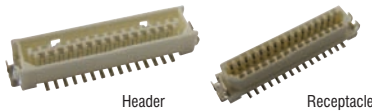
209389

No. of Ways	Mftrs. List No.	Order Code	1+	20+	50+	100+	250+	500+
SMT Sockets								
9	M40-6200946	SMD102-2291						
15	M40-6201546	SMD102-2292						
21	M40-6202146	SMD102-2293						
25	M40-6202546	SMD102-2294						
31	M40-6203146	SMD102-2296						
41	M40-6204146	SMD102-2297						
51	M40-6205146	SMD102-2298						
SMT Plugs								
9	M40-6000946	SMD102-2284						
15	M40-6001546	SMD102-2285						
21	M40-6002146	SMD102-2286						
25	M40-6002546	SMD102-2287						
31	M40-6003146	SMD102-2288						
41	M40-6004146	SMD102-2289						
51	M40-6005146	SMD102-2290						

DF9 SMT Board to Board Connectors

1.00mm Pitch

HRS



SMD NEW

These connectors are built for designs with limited space such as Liquid Crystal Display systems, Mobile Phones and Note PC's. The DF9 series also features an easy lock mechanism and a trapezoid design which acts as a mis-insertion preventor.

- 1mm Pitch miniature size connector
- 4.3 mm stacking height
- tin and gold plated contact mating area
- VESA and FPDI-1 compliant (31 and 41 contact connectors only)

Contact Material	Phosphor Bronze	Contact Plating	Tin or Gold
Insulation Resistance	≥	Contact Resistance	≤50mohm
Operating Temp.	-45°C to 125°C	Insulator Material	
Current Rating	0.5A	Voltage Rating	150VAC

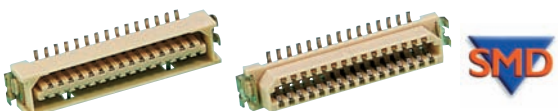
605622

No. of Ways	List No.	Order Code	1+	10+	25+	50+	100+
Header - Tin Plated							
25	DF9-25P-1V(32)	179-8379					
31	DF9-31P-1V(32)	179-8381					
41	DF9-41P-1V(32)	179-8383					
Header - Gold Plated							
25	DF9-25P-1V(69)	187-4439					
31	DF9-31P-1V(69)	187-4440					
51	DF9-51P-1V(69)	187-4441					
41	DF9-41P-1V(69)	187-4442					
Receptacle - Tin Plated							
25	DF9-25S-1V(32)	179-8380					
31	DF9-31S-1V(32)	179-8382					
41	DF9-41S-1V(32)	179-8384					
Receptacle - Gold Plated							
25	DF9-25S-1V(69)	187-4435					
31	DF9-31S-1V(69)	187-4436					
51	DF9-51S-1V(69)	187-4437					
41	DF9-41S-1V(69)	187-4438					

Plugs and Sockets

1mm Pitch

HARWIN



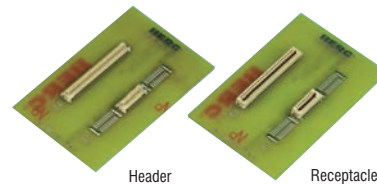
- High density surface mount technology
- 4.3mm stacking height between boards
- 9 to 51 position with staggered pin out
- Polarised housing

Conan™ Microminiature Connector System

Headers and Receptacles

FCI

15



- High density surface mount pcb stacking system
- Dual row contact
- Low profile design with board location peg
- 21 through to 51 ways
- Approvals: CSA approved UL recognised

Current rating	1A (max)	Housing	LCP UL94V-0
Withstand voltage	500Vac	Contact	Header: Phosphor Bronze Receptacle: Beryllium Copper
Insulation resistance	≥1000MΩ		
Contact resistance	≤30mΩ	Plating	in contact area
Temperature range	-55°C to +130°C		

Mftrs. List No. 91911-311XX=4.15mm Header, 91911-314XX=6.00mm Header, 91931-311XX=Receptacle, where XX=No. of ways

209477

No. of Ways	Order Code	1+	25+	50+	100+	250+	500+
Headers - 4.15mm mated							
31	SMD110-3989						
Headers - 6.00mm mated							
21	SMD110-3990						
Receptacles							
21	SMD110-3991						
31	SMD110-3992						
41	SMD110-3993						

SH Housings

1mm Pitch

JST
The Quality Connection



- The world's first 1.0mm (.039") pitch crimp style connector
- Ultra-compact, low profile design
- The contact retention lances allow for easy and secure insertions

Specifications:-			
Current Rating	1A	Voltage Rating	50V
Contact Resistance	20mohm	Insulation Resistance	
Material	PBT	Operating Temp.	-25°C to 85°C
Flammability Rating	UL94V-0		

SH Housings - continued

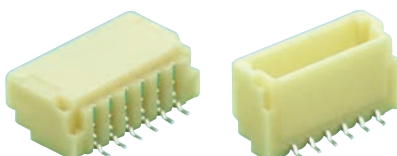
1mm Pitch - continued

		Price Each				
No. of Ways	Mftrs. List No.	Order Code	10+	50+	100+	250+ 500+
2	SHR-02V-S-B	167-9108				
3	SHR-03V-S-B	167-9109				
4	SHR-04V-S-B	167-9110				
5	SHR-05V-S-B	167-9111				
6	SHR-06V-S-B	167-9112				
7	SHR-07V-S-B	167-9113				
8	SHR-08V-S-B	167-9114				
9	SHR-09V-S-B	167-9115				
10	SHR-10V-S-B	167-9116				

528703

SH Shrouded Headers

1mm Pitch



Side Entry

Top Entry

- The world's first 1.0mm (.039") pitch crimp style connector
- Ultra-compact, low profile design
- The contact retention lances allow for easy and secure insertions

Specifications:-

Current Rating	1A	Voltage Rating	50V
Contact Material	Copper Alloy	Contact Plating	Tin / Lead
Insulation Resistance	20mohm	Insulation Resistance	
Operating Temp.	-25°C to 85°C	Flammability Rating	UL94V-0

528707

		Price Each				
No. of Ways	Mftrs. List No.	Order Code	10+	50+	100+	250+ 500+
Side Entry						
2	SM02B-SRSS-TB (LF)(SN)	167-9117				
3	SM03B-SRSS-TB(LF)(SN)	167-9118				
5	SM05B-SRSS-TB(LF)(SN)	167-9121				
6	SM06B-SRSS-TB(LF)(SN)	167-9122				
8	SM08B-SRSS-TB(LF)(SN)	167-9124				
9	SM09B-SRSS-TB(LF)(SN)	167-9125				
10	SM10B-SRSS-TB(LF)(SN)	167-9126				
Top Entry						
2	BM02B-SRSS-TB(LF)(SN)	167-9127				
3	BM03B-SRSS-TB(LF)(SN)	167-9128				
4	BM04B-SRSS-TB(LF)(SN)	167-9129				
5	BM05B-SRSS-TB(LF)(SN)	167-9130				
6	BM06B-SRSS-TB(LF)(SN)	167-9131				
7	BM07B-SRSS-TB(LF)(SN)	167-9133				
8	BM08B-SRSS-TB(LF)(SN)	167-9134				
9	BM09B-SRSS-TB(LF)(SN)	167-9135				
10	BM10B-SRSS-TB(LF)(SN)	167-9136				



SH Series Accessories

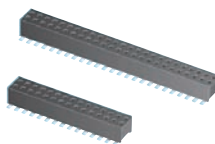
Accessories for JST's SH Crimp Style Connectors including crimp leads, contacts and hand tool.

528710

		Price Each				
Length	Mftrs. List No.	Order Code	10+	50+	100+	250+ 500+
Crimp Terminal Leads						
Socket-to-Socket						
150mm	SH3-SH3-28150	167-9137				
300mm	SH3-SH3-28300	167-9138				
Socket-to-Free End						
150mm	SH3-SS5-28150	167-9139				
300mm	SH3-SS5-28300	167-9140				
Contacts						
		Price Per Reel				
AWG		1+	3+			
Reel of 1000 pcs						
28-32	MINI-SSH-003T-P0.2	167-9141				
Price Each						
AWG		10+	100+			
Single pieces						
28-32	SSH-003T-P0.2	167-9142				
Hand Tool						
		Price Each				
		1+				
WC-SH2832		167-9143				

1.0mm Pitch Sockets

CLM, MLE series



LCP

Phosphor Bronze

- CLM comes with Samtec's Tiger Claw™ contact
- Surface Mount
- Double row
- Pitch - 1.0mm
- Pitch row - 1.0mm
- Durability - 100 cycles
- Mates with Samtec's FTMH series

Gold

3A

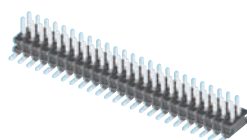
-55°C to 125°C

527219

		Price Each				
Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+ 250+
CLM, Tiger Claw Contacts						
CLM-105-02-L-D	10	166-7552				
CLM-110-02-L-D	20	166-7553				
CLM-120-02-L-D	40	166-7554				
CLM-130-02-L-D	60	166-7556				
CLM-140-02-L-D..	80	166-7557				
CLM-150-02-L-D	100	166-7558				

1.0mm Micro Headers

FTMH series



LCP

Phosphor Bronze

Gold

1.5A

-55°C to 125°C

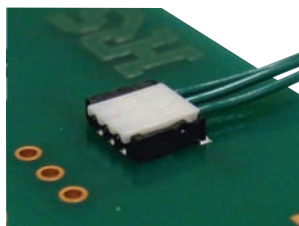
527265

		Price Each				
Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+ 250+
Right Angle						
FTMH-105-03-L-DH	10	166-7715				
FTMH-110-03-L-DH	20	166-7717				
FTMH-120-03-L-DH	40	166-7719				
FTMH-130-03-L-DH..	60	166-7721				
FTMH-140-03-L-DH..	80	166-7723				
FTMH-150-03-L-DH	100	166-7726				
Vertical						
FTMH-105-03-L-DV	10	166-7716				
FTMH-110-03-L-DV	20	166-7718				
FTMH-120-03-L-DV	40	166-7720				
FTMH-130-03-L-DV	60	166-7722				
FTMH-140-03-L-DV	80	166-7724				
FTMH-150-03-L-DV..	100	166-7727				

1.2mm - 1.25mm Pitch Connectors

LED Power Connectors

DF57 Series



A space saving design which occupies 18mm² and 23mm² approximate board space for the two and three contact positions respectively. Power performance is not compromised by the small size, with an impressive 2A current rating per a contact. High reliability is guaranteed with Hirose's "Swing Lock" offering a unique double locking mechanism.

NEW

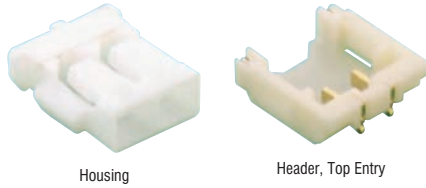
- Pitch: 1.2mm
- Wire to board connector
- Ideal for LED displays
- Current rating per contact: 2A
- Profile height: 1.4mm
- Durability: 30 mating cycles

613136

		Price Each				
No. of ways	Mftrs. List No.	Order Code	10+	50+	100+	250+
Header						
2	DF57-2P-1.2V(21)	182-6921				
3	DF57-3P-1.2V(21)	182-6923				
4	DF57-4P-1.2V(21)	187-4402				
5	DF57-5P-1.2V(21)	187-4405				
6	DF57-6P-1.2V(21)	187-4407				
Socket						
2	DF57-2S-1.2C	182-6922				
3	DF57-3S-1.2C	182-6924				
4	DF57-4S-1.2C	187-4403				
5	DF57-5S-1.2C	187-4404				
6	DF57-6S-1.2C	187-4406				

No. of ways	Mfrs. List No.	Order Code	Price Each			
			10+	50+	100+	250+
Lead						
150mm double ended	CASS-0902	182-6925				
			10+	100+	500+	
Contact						
AWG 28-30	DF57-2830SCF	182-6919				
			1+			
Crimp Tool						
	HT305/DF57-2830HC	187-4409				

ACH Crimp Style Connectors 1.2mm Pitch



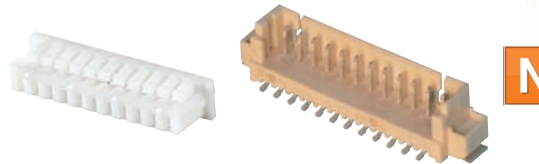
The ACH Series Wire to Board connector was originally designed for a DC power supply application and has a 2.0 Amp current rating for both the 2 and 3 circuits, using wire size 28 AWG. These low-profile connectors have a height of only 1.4mm (.055") and a width of 4.3mm (.169"). Uniquely constructed, these 1.2mm (.047") pitch, wire to board connectors feature a socket half that is mated with the header from the vertical direction, while the wires come out from the horizontal direction of the socket connector. The ultra compact, low profile design provides the flexibility for applications that need high performance connectors in tight spaces.

Specifications:-			
Current Rating	2A	Voltage Rating	50V
Contact Material	Copper Alloy	Contact Plating	Gold
Insulation Resistance	10mohm	Insulation Resistance	
Operating Temp.	-20°C to 85°C	Flammability Rating	UL94V-0

528712

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			10+	50+	100+	500+
Housings						
2	ACHR-02V-S	168-4113				
3	ACHR-03V-S	168-4114				
Top Entry Shrouded Headers						
2	BMO2B-ACHSS-GAN-TF (LF)(SN)	168-4116				
3	BMO3B-ACHSS-GAN-TF (LF)(SN)	168-4117				
Accessories						
Contacts - Reel of 1000 pcs			Price Per Reel (1000 pcs)			
AWG			1+	3+	10+	
28-30	MINI-SACH-003G-P0.2	168-4118				
Contacts - Single Pieces			Price Each			
AWG			10+	100+		
28-30	SACH-003G-P0.2	168-4120				
Hand Tool			Price Each			
			1+	3+		
	WC-ACH2830	168-4119				

Crimp Housing and PCB Headers 1.25mm Pitch



- Housing material: Thermoplastic
- Contact material: Phosphor bronze
- Current rating: 1A
- Contact plating: Tin
- Voltage rating: 125V

656632

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Housing - Receptacle						
2	10114826-00002LF	210-0709				
3	10114826-00003LF	210-0711				
4	10114826-00004LF	210-0712				
5	10114826-00005LF	210-0713				
6	10114826-00006LF	210-0714				
7	10114826-00007LF	210-0715				
8	10114826-00008LF	210-0716				
9	10114826-00009LF	210-0717				
10	10114826-00010LF	210-0718				
11	10114826-00011LF	210-0719				
12	10114826-00012LF	210-0720				

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Housing - Receptacle						
13	10114826-00013LF	210-0722				
14	10114826-00014LF	210-0723				
15	10114826-00015LF	210-0724				
Header - Vertical - SMT						
2	10114828-10102LF	210-0726				
3	10114828-10103LF	210-0727				
4	10114828-10104LF	210-0728				
5	10114828-10105LF	210-0729				
6	10114828-10106LF	210-0730				
7	10114828-10107LF	210-0731				
8	10114828-10108LF	210-0732				
9	10114828-10109LF	210-0734				
10	10114828-10110LF	210-0735				
11	10114828-10111LF	210-0736				
12	10114828-10112LF	210-0737				
13	10114828-10113LF	210-0738				
14	10114828-10114LF	210-0739				
15	10114828-10115LF	210-0740				
Header - Vertical - THT						
2	10114829-10102LF	210-0741				
3	10114829-10103LF	210-0742				
4	10114829-10104LF	210-0743				
5	10114829-10105LF	210-0744				
6	10114829-10106LF	210-0746				
7	10114829-10107LF	210-0747				
8	10114829-10108LF	210-0748				
9	10114829-10109LF	210-0749				
10	10114829-10110LF	210-0750				
11	10114829-10111LF	210-0751				
12	10114829-10112LF	210-0752				
13	10114829-10113LF	210-0753				
14	10114829-10114LF	210-0754				
15	10114829-10115LF	210-0755				
Header - Right Angle - SMT						
2	10114830-10102LF	210-0756				
3	10114830-10103LF	210-0758				
4	10114830-10104LF	210-0759				
5	10114830-10105LF	210-0760				
6	10114830-10106LF	210-0761				
7	10114830-10107LF	210-0762				
8	10114830-10108LF	210-0763				
9	10114830-10109LF	210-0764				
10	10114830-10110LF	210-0765				
11	10114830-10111LF	210-0766				
12	10114830-10112LF	210-0767				
13	10114830-10113LF	210-0768				
14	10114830-10114LF	210-0771				
15	10114830-10115LF	210-0772				
Header - Right Angle - THT						
2	10114831-10102LF	210-0773				
3	10114831-10103LF	210-0774				
4	10114831-10104LF	210-0775				
5	10114831-10105LF	210-0776				
6	10114831-10106LF	210-0777				
7	10114831-10107LF	210-0778				
8	10114831-10108LF	210-0779				
9	10114831-10109LF	210-0780				
10	10114831-10110LF	210-0781				
11	10114831-10111LF	210-0783				
12	10114831-10112LF	210-0784				
13	10114831-10113LF	210-0785				
14	10114831-10114LF	210-0786				
15	10114831-10115LF	210-0787				
Single End Lead						
300mm	10118023-P0030YYLF	210-0788				
150mm	10118023-P0015YYLF	210-0789				

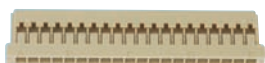
IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

1.2mm - 1.25mm Pitch Connectors - continued

Super Low Profile Crimping Connectors

DF14 Series



Crimp Socket Housing



Header, R/A, SMT

- Low profile - 2.5mm board mounting height
- Header has a vacuum mount face that enables vacuum absorption and automatic mounting
- Header has a box structure to prevent mis-insertion
- Header has a wall on the PCB side and does not have any trouble resulting from the friction of the socket with the PCB.
- A metal hold down is attached to prevent the solder peel
- High heat resistant nylon insulation material allows VPS, IR, or hot air reflow soldering
- 1.25mm pitch

Specifications:-

Current Rating	1A	Voltage Rating	150VAC
Insulation Resistance		Contact Resistance	30mohm
Contact Material	Brass	Contact Plating	Tin
Operating Temp.	-35°C to 85°C	Insulator Material	Polyamide

550592

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	10+	100+	250+	500+

Crimp Socket Housing

4	DF14-4S-1.25C	171-9126				
30	DF14-30S-1.25C	171-9133				
20	DF14-20S-1.25C	171-9135				

Pin Header, Locating Boss, Right Angle, SMT

4	DF14-4P-1.25H(25)	171-9139				
20	DF14-20P-1.25H(25)	171-9146				
30	DF14-30P-1.25H(25)	171-9147				

DF14 Series Contact

AWG	Mfrs. List No.	Order Code	10+	100+	1K+	10K+
26-28	DF14-2628SCF	171-9136				

Cable Assemblies, DF14-2628SCF - DF14-2628SCF Socket Contacts

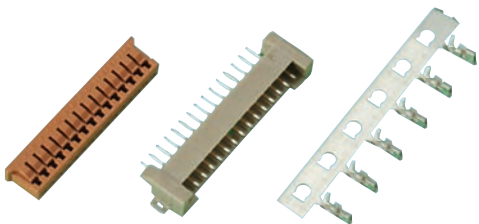
Length	Mfrs. List No.	Order Code	50+	100+	250+	500+	1K+
150mm	CASS-0897	176-4393					
300mm	CASS-0898	176-4394					

Crimp Tool

Mfrs. List No.	Order Code	1+
DF14-2628/CR-HT	171-9148	

IL-Z series PCB to Wire Connectors

1.25mm Pitch



IL-Z connectors are designed for wire to board applications. The series includes board mounted headers (straight and RA) and wire terminated socket housings.

- 1.25 mm contact spacing
- 2 to 15 contacts
- SMT and through hole pin headers
- boxed pin header design to prevent mismatching
- Anti wicking feature

Current Rating	1A	Withstand Voltage	500V AC rms per minute
Insulation Resistance	100MΩ	Insulator	PPS UL94V-0
Operating Temperature	-40°C to 70°C	PCB Thickness	0.6mm to 1.2mm
Contact Resistance	≤20mΩ	Applicable Wire	32AWG to 28AWG
Pitch	1.25mm		

233425

No. of Contacts	Mfrs. List No.	Order Code	5+	100+	250+
-----------------	----------------	------------	----	------	------

Pin Header - SMT - Right Angle

2	IL-Z-2PL-SMTYE	965-0814			
4	IL-Z-4PL-SMTYE	965-0830			
6	IL-Z-6PL-SMTYE	965-0857			
8	IL-Z-8PL-SMTYE	965-0865			
10	IL-Z-10PL-SMTYE	965-0873			
12	IL-Z-12PL-SMTYE	965-0881			
15	IL-Z-15PL-SMTYE	965-0890			

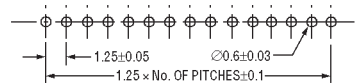
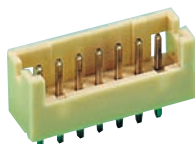
Socket Housing

2	IL-Z-2S-S125C3	110-7589			
4	IL-Z-4S-S125C3	110-7591			
6	IL-Z-6S-S125C3	110-7593			
8	IL-Z-8S-S125C3	110-7595			

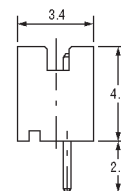
No. of Contacts	Mfrs. List No.	Order Code	5+	100+	250+
Socket Housing					
10	IL-Z-10S-S125C3	110-7597			
14	IL-Z-14S-S125C3	110-7601			
15	IL-Z-15S-S125C3	110-7602			
Tools					
Crimp Tool	CT150-4C-ILZ	388-7571		1+	
Price Per Pack (100)					
Contacts			1+	5+	10+
28-32 AWG	IL-Z-C3-A-15000	110-7603			

Crimp Housing and PCB Headers

1.25mm Pitch



- Through hole and surface mount headers
- High temperature material for vapour phase, IR or hot air soldering
- Polarised housing
- 3 to 10 position, single row



Voltage rating	150V ac/dcV	Temperature range	-55°C to 85°C°C°C
Current rating	1A ac/dcA	Housing: Header	Nylon 4,6 UL94V-0
Dielectric strength	500V ac	Housing: Crimp	Nylon 4,6 UL94V-0
Insulation resistance	MΩ (250V dc)		

Mfrs. List No. M30-610XX46, where XX=No. of ways

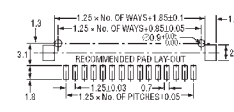
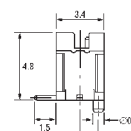
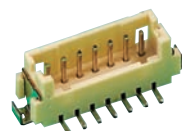
209383

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	20+	50+	100+	250+	500+
3	M30-6100346	102-2276						
4	M30-6100446	102-2277						
6	M30-6100646	102-2278						
8	M30-6100846	102-2279						
10	M30-6101046	102-2280						

PCB Headers (SMT Versions)

1.25mm Pitch



Mfrs. List No. M30-600XX46, where XX=No. of ways
Mates with M30-110 Series

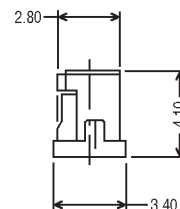
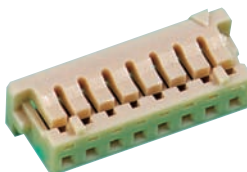
209382

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	20+	50+	100+	250+	500+
3	M30-6000346	SMD 102-2268						
4	M30-6000446	SMD 102-2269						
6	M30-6000646	SMD 102-2270						
8	M30-6000846	SMD 102-2272						
10	M30-6001046	SMD 102-2273						

Crimp Terminal Housing

1.25mm Pitch



FOR SUITABLE CRIMP TERMINALS, 102-2267 See below

Mfrs. List No. M30-110XX00, where XX=No. of ways
Mates with M30-600 and M30-610

209385

Order Multiple=10

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	250+	500+
3	M30-1100300	889-179					
4	M30-1100400	889-180					
6	M30F1100600	889-192					
8	M30-1100800	889-209					
10	M30-1101000	889-210					

Crimp Terminal

HARWIN



For use with M30-110XX00 housings. See above.
Insulation Diameter=1.0 max, Strip length=1.2-1.9mm

209381

105 Per Pack

Price Pack

Finish	AWG	Mftrs. List No.	Order Code	1+	5+	10+
Tin	30-26	M30-1010046	102-2267			

Crimp Tool

HARWIN



For use with M30-1010046 contacts. See above.

209379

Price Each

Mftrs. List No.	Order Code	1+
Z30-020	889-258	

Crimp Housing and PCB Headers

molex

- 1.25mm high density, wire to board connectors
- 2 to 10 way
- Through hole and SMT version pcb headers

- Polarised housing
- Low mating force
- Low profile

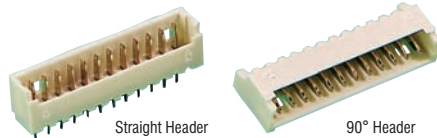
Voltage rating 125V
Current rating 1.0A (0.8A for 32 AWG)A
Dielectric strength 250Vac/1 min
Insulation resistance MΩ

Temperature range -40°C to +85°C
Housing GF Nylon **UL94V-0**
Terminal Phosphor Bronze, Tin plated

209376

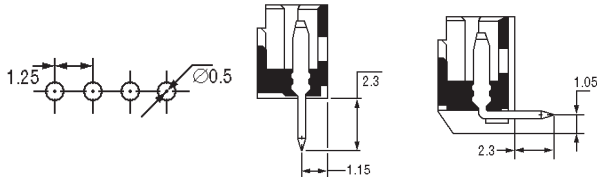
1.25mm PicoBlade Wire-to-Board Headers

molex



Straight Header
H=3.5, D=5.5

90° Header
H=4.2, D=2.4



Mftrs. List No. Straight header=53047-XX10, 90° Header=53048-XX10, where XX=No. of ways

209377

Order Multiple=5

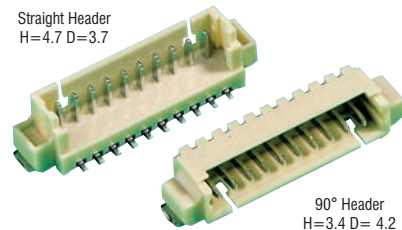
Price Each

No of Ways	Order Code	5+	100+	250+	500+	1K+
Straight Header						
3	973-2853					
4	973-3060					
5	973-2861					
6	973-3078					
7	973-2870					
8	101-2258					
9	973-2888					
10	973-3086					
12	973-2896					
13	101-2238					
14	973-2900					
90°Header						
2	101-2259					
3	973-2918					
5	973-2926					
6	101-2260					
7	973-2934					
8	973-3094					
9	101-2239					
10	973-3108					

PCB Headers (SMT Versions)

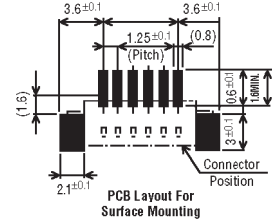
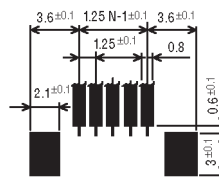
molex
SMD

Straight Header
H=4.7 D=3.7



90° Header
H=3.4 D= 4.2

PCB Layout For Surface Mounting



- Metal strain relief tabs

Mftrs. List No. Straight Header=53398-XX90, 90 Header=53261-XX90, where XX=No. of ways

209390

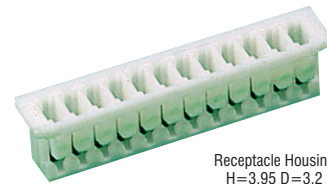
Order Multiple=5

Price Each

No. of Ways	Order Code	5+	100+	250+	500+	1K+
Straight Header						
2	SMD112-5366					
3	SMD112-5353					
4	SMD112-5367					
5	SMD112-5354					
6	SMD112-5368					
7	SMD978-6368					
8	SMD112-5371					
9	SMD112-5355					
10	SMD112-5372					
11	SMD978-6376					
12	SMD112-5356					
14	SMD978-6384					
15	SMD112-5358					
90° Header						
2	SMD112-5373					
3	SMD112-5359					
4	SMD112-5374					
5	SMD112-5360					
6	SMD112-5375					
7	SMD112-5361					
8	SMD112-5376					
9	SMD112-5362					
10	SMD112-5377					
12	SMD112-5363					
14	SMD112-5364					
15	SMD112-5365					

1.25mm PicoBlade Wire-to-Board Crimp Receptacle Housings

molex



Receptacle Housing
H=3.95 D=3.2

Mftrs. List No. Receptacle Housing=51021-XX00, Board-In=51022-XX00, where XX=No. of ways

209378

Order Multiple=5

Price Each

No of Ways	Order Code	5+	100+	250+	500+	1K+
Receptacle Housing						
2	889-477					
3	615-092					
4	973-3116					
5	615-109					
6	101-2261					
7	615-110					
8	101-2262					
9	615-122					
10	973-3124					

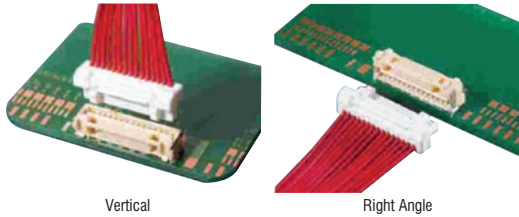
1.2mm - 1.25mm Pitch Connectors - continued

1.25mm PicoBlade Wire-to-Board Crimp Receptacle Housings - continued

Order Multiple=5

No of Ways	Order Code	Price Each				
		5+	100+	250+	500+	1K+
Receptacle Housing						
11	615-134					
12	121-1003					
13	615-158					
14	615-160					
15	101-2242					

CLIK-Mate™ SMT Wire-to-Board Connectors 1.25mm Pitch



Vertical

Right Angle

Molex's new 1.25mm pitch SMT CLIK-Mate series has a superior lock design that offers easier use and better mating retention compared to competitive versions. This series also provides about 60% space savings compared to similar dual-lock 2.00mm pitch versions. The CLIK-Mate 1.25mm series was designed for applications such as LCD TVs that require higher pin count connectors to carry more signal lines in less space. The connectors in this series have a unique tuning fork terminal concept that provides low insertion force and secure mating contact.

Benefits of the 1.25 pitch SMT CLIK-Mate series:

- Audible click, low insertion force and secure mating
- Secure contact and avoids terminal stubbing
- Easy and quick mating operators
- Housing wall support and secure PCB retention
- Reinforced metal solder tabs
- No costly capton tape needed

Polybutylene Terephthalate	Copper Alloy	Tin	50V	1A	-25°C to 85°C
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519890

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			10+	100+	250+	500+	1K+

Crimp Housings

502380-0200	2	162-0773					
502380-0300	3	162-0774					
502380-0400	4	162-0775					
502380-0500	5	162-0776					
502380-0600	6	162-0777					
502380-0800	8	162-0778					
502380-1000	10	162-0779					
502380-1200	12	162-0780					
502380-1400	14	162-0781					

Vertical Receptacles

502382-0270	2	162-0783					
502382-0370	3	162-0785					
502382-0470	4	162-0786					
502382-0570	5	162-0787					
502382-0670	6	162-0788					
502382-0870	8	162-0789					
502382-1070	10	162-0790					
502382-1270	12	162-0791					
502382-1470	14	162-0792					

R/A Receptacles

502386-0270	2	162-0793					
502386-0370	3	162-0795					
502386-0470	4	162-0796					
502386-0570	5	162-0797					
502386-0670	6	162-0798					
502386-0870	8	162-0799					
502386-1070	10	162-0801					
502386-1270	12	162-0802					
502386-1470	14	162-0803					

Pre-Crimped Leads

85409-0051	300mm, 1.25mm	162-0804					
85409-0052	150mm, 1.25mm	162-0805					
502381-0000	28 - 26AWG	179-6143					
63819-4400		179-6144					

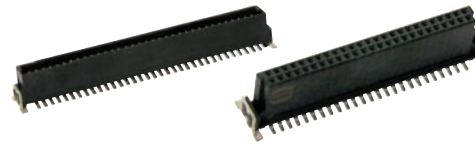
1.27mm Pitch Connectors

Har-Flex Board to Board Connectors 1.27mm Pitch Surface Mount



Pushing Performance

NEW



- Surface mount device
- Colour: Black
- Housing material: Liquid crystal polymer (LCP)
- Contact material: Copper Alloy
- Contact plating: Gold
- Durability: 500 cycles
- UL rating: 94-V0

645657

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+

Header - 1.75mm Stacking Height

12	15 11 012 2601000	206-6977				
26	15 11 026 2601000	206-6978				
50	15 11 050 2601000	206-6979				
68	15 11 068 2601000	206-6980				
80	15 11 080 2601000	206-6982				

Header - 3.25mm Stacking Height

12	15 12 012 2601000	206-6983				
26	15 12 026 2601000	206-6984				
50	15 12 050 2601000	206-6985				
68	15 12 068 2601000	206-6986				
80	15 12 080 2601000	206-6987				

Receptacle - 6.25mm Stacking Height

12	15 21 012 2601000	206-6988				
26	15 21 026 2601000	206-6989				
50	15 21 050 2601000	206-6990				
68	15 21 068 2601000	206-6991				
80	15 21 080 2601000	206-6992				

Receptacle - 9.05mm Stacking Height

12	15 22 012 2601000	206-6994				
26	15 22 026 2601000	206-6995				
50	15 22 050 2601000	206-6996				
68	15 22 068 2601000	206-6997				
80	15 22 080 2601000	206-6998				

1.27mm Pitch Stacking Connectors

FX2 Series



- Stack height 12mm to 16mm
- Current rating: 0.5A
- Voltage rating: 125V AC
- Contact material: Phosphor bronze
- Contact material: Gold



NEW

Header	Stack Height (mm)		
	FX2CA-*S-1.27DSAL	FX2CA2-*S-1.27DSAL	FX-*S-1.27DSL
FX2CA1-*P-1.27DSAL	12mm	14mm	12.2mm
FX2CA1-*P-1.27DSAL	13mm	15mm	13.2mm
FX2CA2-*P-1.27DSAL	14mm	16mm	14.2mm
FX2-*P-1.27DSVL	12.1mm	14.1mm	12.3mm

Note: * denotes the number of ways

625941

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+

Receptacle - 3.5mm Profile Height

20	FX2CA-20S-1.27DSAL(71)	187-4254				
32	FX2CA-32S-1.27DSAL(71)	187-4255				
40	FX2CA-40S-1.27DSAL(71)	187-4256				
52	FX2CA-52S-1.27DSAL(71)	187-4257				
60	FX2CA-60S-1.27DSAL(71)	187-4258				
68	FX2CA-68S-1.27DSAL(71)	187-4259				
80	FX2CA-80S-1.27DSAL(71)	187-4260				
100	FX2CA-100S-1.27DSAL(71)	187-4261				
120	FX2CA-120S-1.27DSAL(71)	187-4262				

Receptacle - 5.5mm Profile Height

20	FX2CA2-20S-1.27DSAL(71)	187-4264				
32	FX2CA2-32S-1.27DSAL(71)	187-4265				
40	FX2CA2-40S-1.27DSAL(71)	187-4266				
52	FX2CA2-52S-1.27DSAL(71)	187-4267				
60	FX2CA2-60S-1.27DSAL(71)	187-4268				
68	FX2CA2-68S-1.27DSAL(71)	187-4269				

1.27mm Pitch Connectors - continued

Minitek™ Header

1.27mm Pitch



- With receptacle eject latching
- Contact rating per contact: 1 A
- Voltage rating: 125 VAC
- Contact plating: Gold
- Durability: 100 cycles



621951

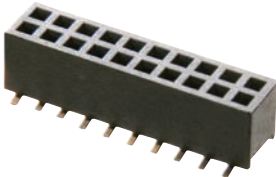
No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	250+
-------------	-----------------	------------	----	-----	------	------

Vertical						
6	20021611-00006T4LF	186-5318	●			
10	20021611-00010T4LF	186-5319	●			
12	20021611-00012T4LF	186-5320	●			
16	20021611-00016T4LF	186-5321	●			
20	20021611-00020T4LF	186-5322	●			
26	20021611-00026T4LF	186-5323	●			
50	20021611-00050T4LF	186-5324	●			

Right Angle						
6	20021612-00006T4LF	186-5325	●			
10	20021612-00010T4LF	186-5326	●			
12	20021612-00012T4LF	186-5327	●			
16	20021612-00016T4LF	186-5328	●			
20	20021612-00020T4LF	186-5331	●			
26	20021612-00026T4LF	186-5332	●			
50	20021612-00050T4LF	186-5333	●			

M50 Vertical SMT Receptacles

1.27mm



- Colour: Black
- Body material: Nylon
- Contact material: Phosphor bronze
- Contact plating: Gold
- Current rating: 1A
- Voltage rating: 250V AC/DC



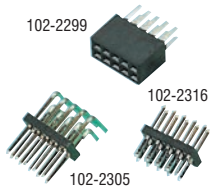
657706

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+
-------------	-----------------	------------	----	-----	------	------

10	M50-3120545	207-8199	●			
12	M50-3120645	207-8201	●			
16	M50-3120845	207-8202	●			
20	M50-3121045	207-8203	●			
24	M50-3121245	207-8204	●			
30	M50-3121545	207-8205	●			
40	M50-3122045	207-8206	●			
50	M50-3122545	207-8207	●			
100	M50-3125045	207-8208	●			

M50 - Series PCB Through Hole Headers and Sockets

Headers and Sockets



- 1.27mm pitch
 - 1.27mm row spacing
- Housings: Thermoplastic (UL94V-0)
 Contacts: Copper Alloy, plated Gold / Tin
 Temperature Range: -40°C to 105°C
 Current Rating: 1A
 Contact resistance: 40mohm
 Insulation resistance: 500Vac min
 Dielectric Voltage: 500Vac min

No. of Ways	Mftrs. List No.	Order Code	5+	25+	100+	250+	500+
-------------	-----------------	------------	----	-----	------	------	------

Dual Row Headers							
5+5	M50-3500542	102-2305	●				
10+10	M50-3501042	102-2306	●				
20+20	M50-3502042	102-2307	●				
25+25	M50-3502542	102-2308	●				
50+50	M50-3505042	102-2309	●				

Dual Row Headers, Right Angled							
5+5	M50-3900542	102-2316	●				
10+10	M50-3901042	102-2317	●				
20+20	M50-3902042	102-2318	●				
25+25	M50-3902542	102-2319	●				
50+50	M50-3905042	102-2320	●				

No. of Ways	Mftrs. List No.	Order Code	5+	25+	100+	250+	500+
-------------	-----------------	------------	----	-----	------	------	------

Dual Row Vertical Sockets							
5+5	M50-3000545	102-2299	●				
6+6	M50-3000645	207-8196	●				
10+10	M50-3001045	102-2300	●				
12+12	M50-3001245	207-8197	●				
15+15	M50-3001545	207-8198	●				
20+20	M50-3002045	102-2302	●				
25+25	M50-3002545	102-2303	●				
50+50	M50-3005045	102-2304	●				

Dual Row R/A Sockets							
25+25	M50-3202545	109-9537	●				

M50 Series Jumpers

1.27mm Pitch



- Contact material: Copper alloy
- Contact plating: Gold
- Current rating: 1A
- Durability: 300 cycles



657712

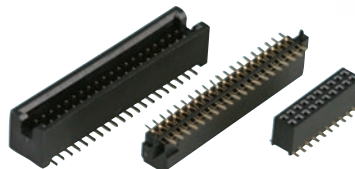
No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+
-------------	-----------------	------------	----	-----	------	------

Without Handle						
Black	M50-1900005	207-8258	●			
Red	M50-1920005	207-8261	●			
Blue	M50-1930005	207-8262	●			

With Handle						
Black	M50-2000005	207-8263	●			
Red	M50-2020005	207-8264	●			
Blue	M50-2030005	207-8265	●			

M50 - Series, Surface Mount Headers and Sockets

Headers and Sockets



- 1.27mm pitch
- 1.27mm Row Spacing

Housings	Thermoplastic (UL94V-0)	Contact resistance	40Ω max
Contacts	Copper Alloy, plated Gold	Insulation resistance	MΩ min
Temperature Range	-40°C to +105°C	Dielectric Voltage	500Vac min
Current Rating	1A		
Mftrs. List No:	Dual row SMT Socket, 4.45mm High	M50-310xx45	
	Dual row socket SMT polarised	M50-430xx45	
	Dual row, dual entry SMT socket	M50-315xx42	
	Dual row SMT header	M50-360xx42	
	Dual row SMT header	M50-360xx22 (Not RoHS compliant)	
	Dual row SMT polarised header	M50-490xx45	

Where xx = No of pins on 1 side of connector eg. 05 for 10 way

419302

No. of Ways	Order Code	1+	25+	100+	250+	500+
-------------	------------	----	-----	------	------	------

Dual Row Socket						
10	109-9523	●				
20	109-9524	●				
40	109-9525	●				
50	109-9526	●				
100	109-9527	●				

Dual Row Polarised Socket						
10	109-9529	●				
20	109-9531	●				

Dual Row, Dual Entry Socket						
10	118-9107	●				
12	207-8209	●				
16	207-8210	●				
20	118-9108	●				
24	207-8212	●				
30	207-8213	●				
40	118-9109	●				
50	118-9110	●				
100	207-8214	●				

No. of Ways	Order Code	1+	25+	100+	250+	500+
Dual Row Header						
10	102-2310					
20	102-2311					
40	102-2312					
50	102-2314					
100	102-2315					
Dual Row Polarised Shrouded Header						
10	109-9538					
20	109-9539					

M50 Sockets



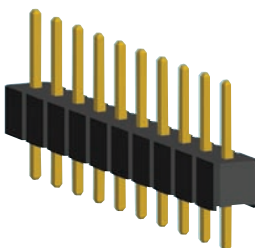
- Double row vertical sockets
- Locating pegs to ensure correct positioning on the PCB
- SMT
- 1.27mm pitch, 1.27mm pitch row
- 600 mating cycles
- Flammability rating - UL94V-0

High Temp. Thermoplastic Copper Alloy Gold 1A 600V -55°C to 105°C

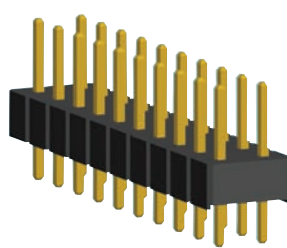
HARWIN

Mfrs. Part No.	No. of Ways	Order Code	1+	25+	100+	250+	500+
M50-3110542	10	156-9227					
M50-3111042	20	156-9228					
M50-3112542	50	156-9229					

M52 - Series, PCB Through Hole



Single row header



Dual row header

- 1.27mm pitch
 - 2.54mm row spacing on dual row products
- | | | | |
|-------------------|---------------------------|-----------------------|------------|
| Housings | Thermoplastic (UL94V-0) | Contact resistance | 40Ω max |
| Contacts | Copper Alloy, plated Gold | Insulation resistance | MΩ min |
| Temperature Range | -40°C to +105°C | Dielectric Voltage | 500Vac min |
| Current Rating | 1A | | |

Mfrs. List No: Single row vertical Socket M52-500xx45
 Dual row vertical socket M52-510xx45
 Single Row vertical header M52-040023Vxx45
 Dual row vertical header M52-040023Wxx45

Where xx = Dual row products, No of pins on 1 side of connector eg. 05 for 10 way

No. of Ways	Order Code	1+	25+	100+	250+	500+
Single Row Socket						
5	109-9543					
10	109-9544					
20	109-9545					
25	109-9546					
Dual Row Socket						
10	109-9551					
20	109-9552					
40	109-9554					
50	109-9555					
Single Row Header						
5	109-9560					
10	109-9561					
20	109-9562					
25	109-9563					
Dual Row Header						
10	109-9564					
20	109-9566					
40	109-9567					
50	109-9568					

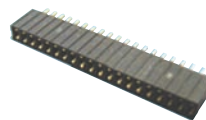


TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

1.27mm PCB Sockets

2206SA series



- 1.27mm pitch
- Single Row
- Orientation - vertical
- Insulator height - 4.60mm
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

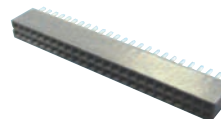
PBT (Polybutylene Phosphor Bronze Gold 1A 50V AC/DC -25 to 125°C terephthalate)

524135

List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
2206SA-05-46	5	157-7766					
2206SA-10-46	10	157-7767					
2206SA-20-46	20	157-7768					
2206SA-25-46	25	157-7769					

1.27mm PCB Sockets

2200SB series



- 1.27mm grid spacing
- Dual Row
- Orientation - vertical
- Insulator height - 4.50mm
- DIP length - 2.20mm
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

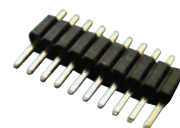
High Temp. Plastic Phosphor Bronze Gold 1A 50V AC/DC -25 to 105°C (LCP)

524121

List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
2200SB-10G-A1	10	157-7753					
2200SB-20G-A1	20	157-7754					
2200SB-40G-A1	40	157-7755					
2200SB-50G-A1	50	157-7756					

1.27mm Headers

2206PA / 2206RPA series



Right Angle



Vertical

- 1.27mm pitch
- Single Row
- Vertical and Right Angle headers available
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

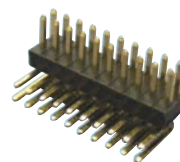
PBT (Polybutylene terephthalate) Copper Alloy Gold 1A 50V AC/DC -25 to 125°C

524128

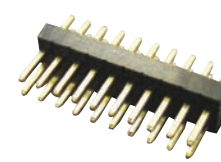
List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
Vertical							
2206PA-05G-739	5	157-7757					
2206PA-10G-739	10	157-7758					
2206PA-20G-739	20	157-7759					
2206PA-25G-739	25	157-7760					
Right Angle							
2206RPA-5G	5	157-7762					
2206RPA-10G	10	157-7763					
2206RPA-20G	20	157-7764					
2206RPA-25G	25	157-7765					

1.27mm Headers

2199 series



Right Angle



Vertical

- 1.27mm grid spacing
- Dual Row
- Vertical and Right Angle headers available
- Designed for use in home appliances, aviation electronics, automobile electronics and

1.27mm Pitch Connectors - continued

1.27mm Headers - continued

2199 series - continued

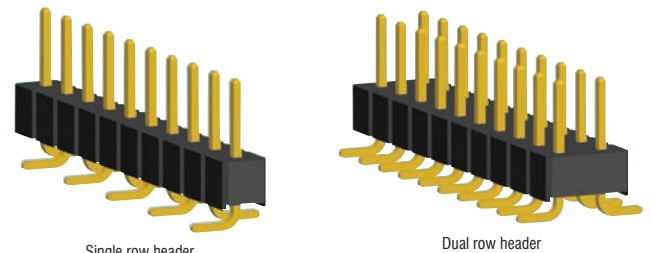
PC peripherals

- Flammability rating - UL 94V-0

High Temp. Nylon 6T	Copper Alloy	Gold	1A	50V AC/DC	-25 to 105°C	524116
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List No.	No. of Ways	Order Code	Price Each				
			5+	25+	100+	250+	500+
Vertical							
2199SB-10G-301523	10	157-7743					
2199SB-20G-301523	20	157-7744					
2199SB-40G-301523	40	157-7745					
2199SB-50G-301523	50	157-7746					
Right Angle							
2199R5-10G-301523	10	157-7747					
2199R5-20G-301523	20	157-7749					
2199R5-40G-301523	40	157-7751					
2199R5-50G-301523	50	157-7752					

M52 - Series, Surface Mount Headers and Sockets



- 1.27mm pitch
- 2.54mm row spacing on dual row products

Housings	Thermoplastic (UL94V-0)	Contact resistance	40Ω max
Contacts	Copper Alloy, plated Gold	Insulation resistance	MΩ min
Temperature Range	-40°C to +105°C	Dielectric Voltage	500Vac min
Current Rating	1A		

Mfrs. List No: Single row SMT socket, 4.6mm High M52-505xx45
 Dual row SMT socket 3.55mm high M52-515xx45
 Single row SMT header M52-040000Pxx45
 Dual row SMT header M52-040000Sxx45

Where xx = Dual row products, No. of pins on 1 side of connector eg. 05 for 10 way

No. of Ways	Order Code	Price Each				
		1+	25+	100+	250+	500+
Single Row Socket						
5	109-9547					
10	109-9548					
20	109-9549					
25	109-9550					
Dual Row Socket						
10	109-9556					
20	109-9557					
40	109-9558					
50	109-9559					
Single Row Header						
5	109-9569					
10	109-9570					
20	109-9571					
25	109-9572					
Dual Row Header						
10	109-9573					
20	109-9574					
40	109-9575					
50	109-9576					

AMPMODU 50/50 Grid Connectors

Board-to-Board Vertical Receptacles and Headers, 1.27mm Pitch



- High density 1.27mm x 1.27mm [.050" x .050"] centerline grid
- Three board-to-board stack heights: 6.35mm [.250"], 8.13mm [.320"] and 9.91mm [.390"]
- Non-protrusive metallic holdowns

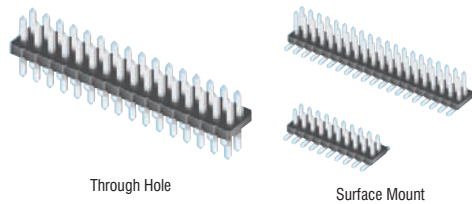
- Reliable dual beam receptacle contacts for redundant contact
- Duplex plated receptacle and post contacts; gold plated on mating areas
- Compatible with standard surface-mount processing (VPR and IR)
- Receptacle and header allow for drainage of processing fluids
- Sizes of 10, 20, 30, 40
- UL recognised (E28476) and CSA certified (LR7189)

Current Rating	1 - 4A	Pitch	1.27mm
Insulation Resistance	5000MΩ	Withstand Voltage	300V
Operating Temperature	-65°C to +105°C		

No.	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Vertical Receptacle						
10	5-104652-1	110-6315				
20	5-104652-2	110-6316				
30	5-104652-3	110-6317				
40	5-104652-4	110-6318				
Header, 6.35mm Stacking Height						
10	5-104655-1	110-6322				
20	5-104655-3	110-6323				
30	5-104655-4	110-6324				
40	5-104655-5	110-6325				

1.27mm Micro Strips

FTS series

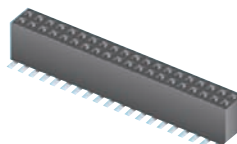


- Low profile - 1.27mm
 - Two pin lengths available - 1.65mm, 3.05mm
 - Through Hole or Surface Mount
 - Double row
 - Pitch - 1.27mm
 - Pitch row - 1.27mm
 - Mates with Samtec's CLP, FFSD, FLE series
- | | | | | |
|-----|-----------------|------|-------|----------------|
| LCP | Phosphor Bronze | Gold | 1.75A | -55°C to 125°C |
|-----|-----------------|------|-------|----------------|

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
Pin Length - 3.05mm, Through Hole							
FTS-105-01-L-D	10	166-7728					
FTS-110-01-L-D	20	166-7732					
FTS-120-01-L-D	40	166-7739					
FTS-125-01-L-D	50	166-7743					
Pin Length - 3.05mm, Surface Mount							
FTS-105-01-L-DV	10	SMD 166-7729					
FTS-110-01-L-DV	20	SMD 166-7733					
FTS-120-01-L-DV	40	SMD 166-7740					
FTS-125-01-L-DV	50	SMD 166-7744					
Pin Length - 1.65mm, Through Hole							
FTS-105-03-L-D	10	166-7730					
FTS-110-03-L-D	20	166-7734					
FTS-115-03-L-D	30	166-7736					
FTS-120-03-L-D	40	166-7741					
Pin Length - 1.65mm, Surface Mount							
FTS-105-03-L-DV	10	SMD 166-7731					
FTS-110-03-L-DV	20	SMD 166-7735					

1.27mm Pitch Sockets

FLE series



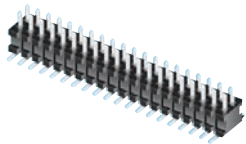
- Ideal for pass-through applications
- Comes with Samtec's Tiger Beam™ contacts
- Surface Mount
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Durability - 100 cycles
- Mates with Samtec's FTS and FTSH series

LCP	Phosphor Bronze	Gold	1.75A	-55°C to 125°C
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Mfrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+
FLE-105-01-G-DV	10	166-7672				
FLE-110-01-G-DV	20	166-7673				
FLE-120-01-G-DV	40	166-7674				
FLE-125-01-G-DV	50	166-7675				
FLE-130-01-G-DV	60	166-7676				
FLE-140-01-G-DV	80	166-7677				
FLE-150-01-G-DV	100	166-7678				

1.27mm Micro Headers

FTSH series



- Profile height - 2.92mm
- Pin length - 3.05mm
- Surface Mount
- Orientation - Vertical or Right Angle
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's CLP, FFSD, FLE, series

LCP Phosphor Bronze Gold 1.75A -55°C to 125°C

527291

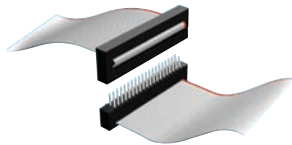
Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
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Right Angle							
FTSH-105-01-L-DH	10	166-7758					
FTSH-110-01-L-DH	20	166-7760					
FTSH-115-01-L-DH..	30	166-7763					
FTSH-120-01-L-DH	40	166-7765					
FTSH-125-01-L-DH	50	166-7767					
FTSH-130-01-L-DH	60	166-7769					
FTSH-135-01-L-DH..	70	166-7771					
FTSH-140-01-L-DH	80	166-7773					
FTSH-145-01-L-DH	90	166-7776					
FTSH-150-01-L-DH..	100	166-7778					

Vertical							
FTSH-105-01-L-DV	10	166-7759					
FTSH-110-01-L-DV	20	166-7761					
FTSH-115-01-L-DV	30	166-7764					
FTSH-120-01-L-DV	40	166-7766					
FTSH-125-01-L-DV	50	166-7768					
FTSH-130-01-L-DV	60	166-7770					
FTSH-135-01-L-DV..	70	166-7772					
FTSH-140-01-L-DV	80	166-7775					
FTSH-145-01-L-DV	90	166-7777					
FTSH-150-01-L-DV	100	166-7779					

1.27mm IDC Receptacles

FFSD Series



- Dual row
- Up to 25 contacts available per row
- Notch polarisation

Specifications:-

Current Rating	0.5A	Contact Resistance	10mohm
Contact Material	Beryllium Copper	Operating Temp.	-40°C to 105°C
Wire Size	30AWG	Pitch	1.27 x 1.27 mm
Insulator Material	PBT (Polybutylene terephthalate)	Contact Plating	(Socket) / (Plug)

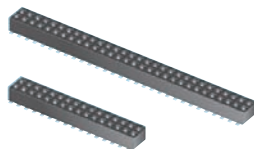
547600

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
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Sockets							
10	FFSD-05-01-N	175-3841					
16	FFSD-08-01-N	175-3842					
20	FFSD-10-01-N	175-3843					
26	FFSD-13-01-N	175-3844					
34	FFSD-17-01-N	175-3845					
40	FFSD-20-01-N	175-3846					
50	FFSD-25-01-N	175-3847					

1.27mm Low Profile Sockets

CLP series



- Profile Height - 2.21mm
- Comes with Samtec's Tiger Claw™ contact
- Surface Mount
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Durability - 100 cycles
- Mates with Samtec's FTS, FTSH series

LCP Phosphor Bronze Gold 1.75A -55°C to +125°C

527225

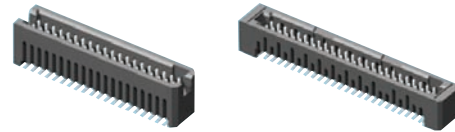
Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
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Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
CLP-105-02-L-D	10	166-7559					
CLP-110-02-L-D	20	166-7560					
CLP-115-02-L-D	30	166-7561					
CLP-120-02-L-D	40	166-7562					
CLP-125-02-L-D	50	166-7563					
CLP-130-02-L-D	60	166-7564					
CLP-150-02-L-D	100	166-7569					

1.27mm Micro Mate Headers

TFM, TFML series



TFM

TFML

- Shrouded body for blind mating
- Locking feature increases unmating force (TFML)
- Weld Tabs available
- Surface Mount / Through Hole
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- TFM mates with Samtec's SFSD series
- TFML mates with Samtec's SFML series

LCP Phosphor Bronze Gold 2A -55°C to 125°C

527422

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
-----------------	-------------	------------	----	-----	-----	------	------

Through Hole, Weld Tabs							
TFM-105-01-S-D-WT	10	166-8431					
TFM-110-01-S-D-WT	20	166-8434					
TFM-115-01-S-D-WT	30	166-8435					
TFM-120-01-S-D-WT	40	166-8437					
TFM-125-01-S-D-WT..	50	166-8439					
TFM-130-01-S-D-WT..	60	166-8441					

Surface Mount, Weld Tabs							
TFM-105-02-S-D-WT	10	166-8433					
TFM-115-02-S-D-WT	30	166-8436					
TFM-120-02-S-D-WT..	40	166-8438					
TFM-125-02-S-D-WT	50	166-8440					
TFM-130-02-S-D-WT..	60	166-8442					

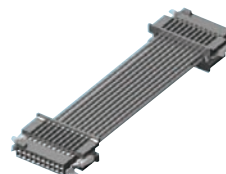
Through Hole, Locking Feature							
TFML-110-01-S-D	20	166-8443					
TFML-115-01-S-D	30	166-8447					
TFML-125-01-S-D	50	166-8451					
TFML-130-01-S-D	60	166-8454					
TFML-140-01-S-D	80	166-8458					
TFML-145-01-S-D	90	166-8461					
TFML-150-01-S-D	100	166-8464					

Through Hole, Right Angle, Locking Feature							
TFML-110-01-S-D-RA	20	166-8445					
TFML-120-01-S-D-RA..	40	166-8449					
TFML-125-01-S-D-RA..	50	166-8452					
TFML-130-01-S-D-RA	60	166-8455					
TFML-140-01-S-D-RA..	80	166-8459					
TFML-145-01-S-D-RA..	90	166-8462					
TFML-150-01-S-D-RA..	100	166-8465					

Surface Mount, Locking Feature							
TFML-110-02-S-D	20	166-8446					
TFML-115-02-S-D	30	166-8448					
TFML-120-02-S-D..	40	166-8450					
TFML-125-02-S-D	50	166-8453					
TFML-130-02-S-D	60	166-8457					
TFML-140-02-S-D..	80	166-8460					
TFML-145-02-S-D	90	166-8463					

Socket Cable Assemblies

SFSD series



- Double Ended, with options for Notch down / up and cable crossed / straight for End 2
- Retention Latch
- Two cable lengths available - 127mm, 254mm
- 28 AWG
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's TFM series

LCP Beryllium Copper Gold 275VAC -55°C to 80°C

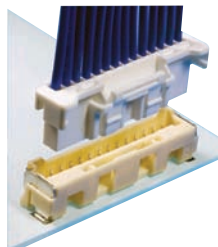


1.5mm Pitch Connectors



CLIK-Mate™ Wire-to-Board

1.5mm Pitch



CLIK-Mate connectors feature a positive inner locking system that provide secure mating retention and an audible "click" to confirm mating. A tuning-fork terminal design provides low insertion force and a secure mating contact. Reinforced metal solder tabs ensure a secure PCB retention and provide solder joint strain relief



- Pitch: 1.5mm
- Max. current per contact: 2A
- Max. voltage: 100V
- Operating temperature: -25°C to +85°C
- Colour: Beige

613036

No. of ways	Mfrs.		Price Each			
	List No.	Order Code	10+	50+	100+	250+
Housing - Single row						
2	502578-0200	182-7470				
4	502578-0400	182-7471				
6	502578-0600	182-7472				
8	502578-0800	182-7473				
10	502578-1000	182-7474				
12	502578-1200	182-7475				
14	502578-1400	182-7476				
15	502578-1500	182-7477				
Housing - Double row						
10	503149-1000	182-7500				
12	503149-1200	182-7501				
16	503149-1600	182-7502				
20	503149-2000	182-7503				
24	503149-2400	182-7504				
28	503149-2800	182-7505				
Receptacle straight - Single row						
2	502584-0270	182-7478				
4	502584-0470	182-7481				
6	502584-0670	182-7482				
8	502584-0870	182-7483				
10	502584-1070	182-7484				
12	502584-1270	182-7485				
14	502584-1470	182-7486				
15	502584-1570	182-7487				
Receptacle straight - Double row						
10	503154-1090	182-7506				
12	503154-1290	182-7507				
16	503154-1690	182-7508				
20	503154-2090	182-7511				
24	503154-2490	182-7512				
28	503154-2890	182-7513				
Receptacle right angle - Single row						
2	502585-0270	182-7488				
4	502585-0470	182-7489				
6	502585-0670	182-7490				
8	502585-0870	182-7491				
10	502585-1070	182-7493				
12	502585-1270	182-7494				
14	502585-1470	182-7495				
15	502585-1570	182-7496				
Receptacle right angle - Double row						
10	503148-1090	182-7514				
12	503148-1290	182-7515				
16	503148-1690	182-7516				
20	503148-2090	182-7517				
24	503148-2490	182-7518				
			10+	50+	100+	250+
Terminal						
Crimp terminal	502579-0000	182-7497				
			1+	+	+	+
Tools						
Crimp tool	63819-4600	182-7498				
Extraction tool	63813-3700	182-7499				

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Pico-SPOX™ Wire-to-Board Housings

1.5mm Pitch



Housing Features:-

- Standard with center locking ramp
- Locking windows secure terminal to housing
- Lead-in chamfer facilitates mating

Contact Features:-

- Low profile
- Locking tang snaps into housing window for secure retention
- Dual-point contact design
- Anti-fishhooking box design protects contact area

Housing Specifications:-

Colour Natural
Insulation Resistance -55°C to 105°C
Material Nylon 6,6
Flammability Rating UL94V-0

Contact Specifications:-

Contact Material Phosphor Bronze
Current Rating 3A @ 24 AWG
Contact Resistance 40mohm
Contact Plating Tin
Voltage Rating 30V
Withstanding Voltage 500VAC
Operating Temp. -55°C to 105°C

546801

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			10+	100+	500+	20K+
2	87439-0200	171-1309				
3	87439-0300	171-1310				
4	87439-0400	171-1311				
5	87439-0500	171-1312				
6	87439-0600	171-1314				
8	87439-0800	171-1315				
10	87439-1000	171-1316				
12	87439-1200	171-1317				
Socket Contact			10+	100+	500+	1K+
24-30AWG	87421-0000	171-1308				
Lead - Socket Contact to Socket Contact			10+	100+	500+	2K+
300mm	88941-6100	171-1336				
Crimp Tool			1+	5+		
24-30 AWG	63811-6400	171-1335				

Pico-SPOX™ Wire-to-Board Headers

1.5mm Pitch



Vertical



Right Angle

- Compact, low-profile SMT design
- Vertical or Right Angled Headers
- Fully shrouded to protect pins during mating / unmating
- Center keyway for secure connection to housing
- One-piece mating post and SMT tail provides coplanarity control and large soldering area
- High-temperature material withstands reflow soldering

Specifications:-

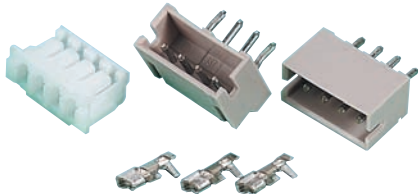
Contact Material Brass Alloy
Current Rating 3A
Contact Resistance 40mohm
Insulation Resistance Nylon 4,6
Housing Material -55°C to 105°C
Contact Plating Tin
Voltage Rating 350V
Withstanding Voltage 500VAC
No. of Mating Cycles 10
Flammability Rating UL94V-0

546803

No. of Ways	Mfrs. List No.	Order Code	Price Each		
			10+	100+	500+
Vertical					
2	87437-0243	171-1318			
3	87437-0343	171-1319			
4	87437-0443	171-1320			
5	87437-0543	171-1321			
6	87437-0643	171-1322			
8	87437-0843	171-1323			
10	87437-1043	171-1324			
12	87437-1243	171-1326			
Right Angle					
2	87438-0243	171-1327			
3	87438-0343	171-1328			
4	87438-0443	171-1329			
5	87438-0543	171-1330			
6	87438-0643	171-1331			
8	87438-0843	171-1332			
10	87438-1043	171-1333			
12	87438-1243	171-1334			

1.5mm Pitch Connectors - continued

ZH Connector Series



335-7569 949-1830 949-1791 335-7533

- Compact, low profile design
- 1.5mm pitch
- Mounting height, 5.6mm, thickness, 3.5mm
- Contact retention lances on the housing allow visual confirmation of contact lock-in
- The dimple at the center of the contact ensures positive contact and low resistance
- CSA approved, UL recognised

Current Rating	1A AC, DC	Contact Resistance	20mΩ max
Voltage Rating	50V AC, DC	Insulation Resistance	MΩ min
Withstanding Voltage	500VAC@1min.	PC board Thickness	0.6 to 1.2mm
Housing	Nylon 66, UL94V-0 , natural white		
Contacts	Brass, Copper Undercoated, plated		
Contacts	Phosphor Bronze, Tin plated		
Temperature Range	-25°C to +85°C		

Wire mm ²	Size AWG	Insulation Dia. O.D. (mm)	Mfrs. List No.	Order Code
0.032-0.08	32-28	0.5-0.9	BZH-003T-P0.5	335-7533

Order Multiple=1		Price Each				
No. of Ways	Mfrs. List No.	Order Code	5+	10+	50+	250+

Housing						
	WC-490	335-7545				
3	ZHR-3	335-7557				
4	ZHR-4	335-7569				
5	ZHR-5	207-8162				
6	ZHR-6	335-7570				

Shrouded Header - Top Entry						
	WC-490	949-1775				
3	B3B-ZR(LF)(SN)	949-1783				
4	B4B-ZR(LF)(SN)	949-1791				
6	B6B-ZR(LF)(SN)	949-1805				

Shrouded Header - Side Entry						
	S2B-ZR(LF)(SN)	949-1813				
3	S3B-ZR(LF)(SN)	949-1821				
4	S4B-ZR(LF)(SN)	949-1830				
6	S6B-ZR(LF)(SN)	949-1848				

Order Multiple=1		10+	50+	100+	500+
Crimp contacts	WC-490	335-7533			
Order Multiple =1		1+			
Crimp tool	WC-490	335-7934			

ZM Connector

1.5mm



- Compact Design
- Housing to terminal locks
- Both crimp style and insulation displacement receptacles can be used
- Fully shrouded header resists "Rocking" during mating
- Mates with ZH connector housing to make wire to wire connection

Current Rating	0.7A ac/dc	Contact Resistance	20m Ω
Voltage Rating	50V ac/dc	Insulation Resistance	500M Ω
Withstanding Voltage	500V/1min.	Operating Temperature	-25°C to 85°C
Contacts	Phosphor Bronze, Tin Plated		

Order Multiple=10		Price Each				
No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	500+
2	ZMR-2	151-6308				
3	ZMR-3	151-6311				
Order Multiple=100		100+	500+	1K+	2K+	
Crimp Terminal	BMM-003T-P0.5	151-6312				
Order Multiple=1		1+				
Hand Tool	WC-800	151-6313				



IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

2.0mm Pitch Milli-Grid

Milli-Grid™ Crimp Terminal Housing

2.0mm Pitch



Non-Polarised
Mfrs. List No. 51110-xx50
where xx = No. of ways



Centre Polarising
Bump and side latches
Mfrs. List No. 51110-xx51
where xx = No. of ways

219775

Order Multiple=10

		Price Each					
No. of Ways	Order Code	10+	100+	250+	500+	1K+	2K5+
Non-Polarised							
4	510-968						
6	510-970						
8	510-981						
10	510-993						
14	511-584						
16	511-018						
20	511-020						

Order Multiple=5

		5+	100+	250+	500+	1K+	2K5+
Centre-Polarising							
14	511-031						
16	511-043						
20	511-596						

Crimp Terminal for Milli-Grid™

Wire Size mm ²	Wire Size AWG	Insulation Diameter	Mfrs. List No.
0.051-0.22	30-24	max.	50394-8100..

209431

		Price Per Pack		
Pack Quantity	Order Code	1+	5+	10+
100	977-3851			
1000	973-2845			

Crimp Tool for Milli-Grid™

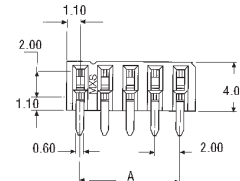


209432

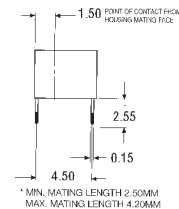
		Price Each	
Mfrs. List No.	Order Code	1+	
63819-0100	156-0169		

Milli-Grid™ Side Entry Sockets

2.0mm Pitch



PCB hole dia. = 0.9±0.05



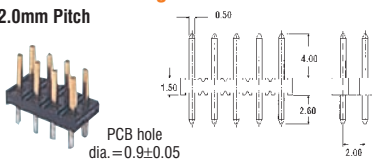
* MIN. MATING LENGTH 2.50MM
MAX. MATING LENGTH 4.20MM

		Price Each					
No. of Ways	Order Code	1+	100+	250+	500+	1K+	2K5+
6	856-0102						
10	856-0129						
16	856-0145						
20	856-0153						

209433

Milli-Grid™ Straight Pin Header

2.0mm Pitch



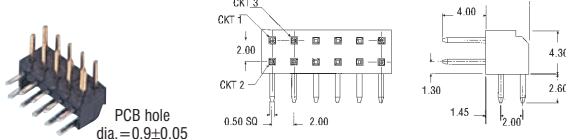
Mfrs. List No. 87758-xx16 where xx=No. of ways

209435

No. of Ways	Price Each
4	747-2315
6	747-2323
8	747-2331
10	747-2340
14	747-2358
16	747-2366
20	747-2374
50	747-2382

Milli-Grid™ Right Angle Pin Headers

2.0mm Pitch



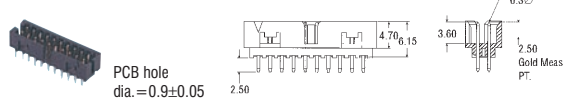
Mfrs. List No. 8760xx16 where xx=No. of ways

209437

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
4	747-2099						
10	747-2137						
14	747-2145						
16	747-2153						
20	747-2161						

Milli-Grid™ Straight Pin Shrouded Header Centre Polarising Slot and Side Latches

2.0mm Pitch



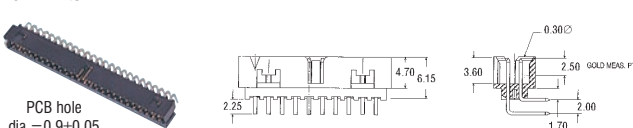
Mfrs. List No. 87831-xx20 where xx=No. of ways

209438

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
4	747-2242						
6	747-2250						
8	747-2269						
10	747-2277						
14	747-2285						
16	747-2293						
20	747-2307						

Milli-Grid™ Right Angle Pin Shrouded Headers

2.0mm Pitch



Mfrs. List No. 87833-xx20 where xx=No. of ways

209439

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
6	747-2188						
10	747-2200						
14	747-2218						
16	747-2226						
20	747-2234						



TROUBLESHOOTING TIPS

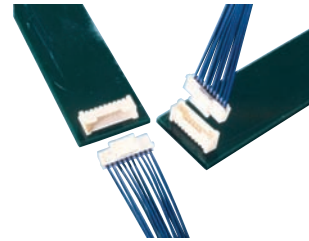
Chat online to one of our technical engineers at farnell.com



2.0mm Sherlock

Sherlock™ 2.0mm Pitch

WTW, WTB



- Low profile and compact
- Positive locking ribs
- Polarising guide wall
- Low insertion force
- Fully shrouded header
- CSA Approved and UL Recognised

The Sherlock system utilizes Molex's proven 50212 terminal, along with a positive lock housing and straight and right angle headers. Originally developed for wire-to-board PC monitor applications, this new 2.0mm pitch system can also be used for other applications that require space savings and secure locking features.

Mfrs. List No: Straight Header = 35362xx10, Right Angle Header = 35363xx10, Socket = 35507xx00, Crimp = 502128100, Crimp Tool = 638111200.

Where xx = Number of Ways

Voltage	125 V	Dielectric Withstand Voltage	500VAC
Current, 24/26/28/30 AWG	2.0/1.5/1.0/0.5A	Insulation Resistance	1000Mohm
Contact Resistance, MAX.	20mohm	Operating Temperature Range	-40°C to +105°C

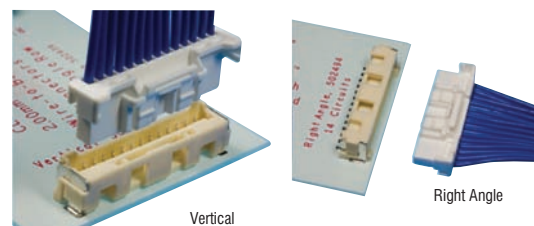
348839

Order Multiple=10	Order Code	10+	100+	250+	500+	1K+
Straight Header						
2	928-9356					
3	928-9364					
4	928-9372					
5	928-9380					
6	928-9399					
8	928-9402					
10	928-9410					
12	928-9429					
Right Angle Header						
2	928-9437					
3	928-9445					
4	928-9453					
5	928-9461					
6	928-9470					
8	928-9488					
10	928-9496					
12	928-9500					
Socket						
2	757-1550					
3	757-1569					
4	757-1577					
5	757-1585					
6	757-1593					
8	757-1607					
10	757-1623					
12	757-1631					
Order Multiple=100						
		100+	500+	1K+		
Crimp Terminal, Female						
AWG30-24 / 0,05-0,2mm ² 757-1640						

2.0mm Pitch CLIK-Mate

CLIK-Mate™ SMT Wire-to-Board Connectors

2.00mm Pitch



Molex's new 2.00mm pitch SMT CLIK-Mate series provides dual positive locks and a superior audible click to help ensure connectors are fully mated. The CLIK-Mate series was designed for applications such as LCD TVs that require higher pin count connectors to carry more signal lines in less space. The connectors in this series have a unique tuning fork terminal concept that provides low insertion force and secure mating contact.

- Benefits of the 2.00mm pitch SMT CLIK-Mate series:
 - Audible click, low insertion force and secure mating
 - Secure contact and avoids terminal stubbing
- Drop-in replacement to competitive versions
- Housing wall support and secure PCB retention
- Reinforced metal solder tabs
- Easy automatic board placement

2.0mm Pitch CLIK-Mate - continued

CLIK-Mate™ SMT Wire-to-Board Connectors - continued

2.00mm Pitch - continued

Housing Material	Contact Material	Contact Plating	Voltage	Current Rating	Operating Temperature	
Polybutylene Terephthalate	Copper Alloy	Tin	250V	3A	-20°C to 85°C	

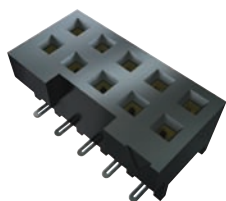
Mfrs. List No.	No. of Ways	Order Code	10+	100+	250+	500+	1K+
Crimp Housings							
502439-0400	4	161-7057					
502439-0600	6	161-7058					
502439-0800	8	161-7061					
502439-1200	12	161-7062					
Vertical Receptacles							
502443-0470	4	161-7063					
502443-0670	6	161-7065					
502443-0870	8	161-7066					
502443-1270	12	161-7067					
R/A Receptacles							
502494-0470	4	161-7068					
502494-0670	6	161-7069					
End-to-End Leads							
85409-0038	22AWG, 300mm	161-7073					
85409-0039	22AWG, 150mm	161-7074					

2.0mm Pitch Connectors

Headers and Sockets 2mm Pitch

NEW

samtec



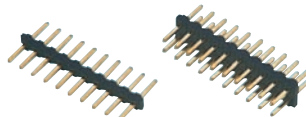
- Colour: Black
- Housing material: Liquid crystal polymer
- Durability: 100 mating cycles
- Current rating: 3A
- Contact Plating: Gold

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Receptacle - Through Hole Mount - Selective Gold Plate						
10	S2M-105-01-S-D	208-5231				
14	S2M-107-01-S-D	208-5232				
20	S2M-110-01-S-D	208-5233				
30	S2M-115-01-S-D	208-5234				
40	S2M-120-01-S-D	208-5235				
50	S2M-125-01-S-D	208-5236				
60	S2M-130-01-S-D	208-5237				
Receptacle - Through Hole Mount - Light Selective Gold Plate						
10	S2M-105-01-L-D	208-5238				
14	S2M-107-01-L-D	208-5241				
20	S2M-110-01-L-D	208-5242				
30	S2M-115-01-L-D	208-5243				
40	S2M-120-01-L-D	208-5244				
50	S2M-125-01-L-D	208-5245				
60	S2M-130-01-L-D	208-5246				
Receptacle - Surface Mount - Selective Gold Plate						
10	S2M-105-02-S-D	208-5247				
14	S2M-107-02-S-D	208-5248				
20	S2M-110-02-S-D	208-5249				
30	S2M-115-02-S-D	208-5250				
40	S2M-120-02-S-D	208-5251				
50	S2M-125-02-S-D	208-5253				
60	S2M-130-02-S-D	208-5254				
Receptacle - Surface Mount - Light Selective Gold Plate						
10	S2M-105-02-L-D	208-5255				
14	S2M-107-02-L-D	208-5256				
20	S2M-110-02-L-D	208-5257				
30	S2M-115-02-L-D	208-5258				
40	S2M-120-02-L-D	208-5259				
50	S2M-125-02-L-D	208-5260				
60	S2M-130-02-L-D	208-5261				
Header - Through Hole Mount						
10	T2M-105-01-S-D-TH	208-5262				
14	T2M-107-01-S-D-TH	208-5263				
20	T2M-110-01-S-D-TH	208-5265				
30	T2M-115-01-S-D-TH	208-5266				

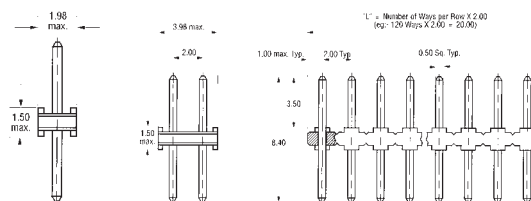
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Header - Through Hole Mount						
40	T2M-120-01-S-D-TH	208-5267				
50	T2M-125-01-S-D-TH	208-5268				
60	T2M-130-01-S-D-TH	208-5269				
Header - Through Hole Mount - Right Angle						
10	T2M-105-01-S-D-RA	208-5270				
14	T2M-107-01-S-D-RA	208-5271				
20	T2M-110-01-S-D-RA	208-5272				
30	T2M-115-01-S-D-RA	208-5273				
40	T2M-120-01-S-D-RA	208-5274				
50	T2M-125-01-S-D-RA	208-5275				
60	T2M-130-01-S-D-RA	208-5277				
Header - Surface Mount						
10	T2M-105-01-S-D-SM	208-5278				
14	T2M-107-01-S-D-SM	208-5279				
20	T2M-110-01-S-D-SM	208-5280				
30	T2M-115-01-S-D-SM	208-5281				
40	T2M-120-01-S-D-SM	208-5282				
50	T2M-125-01-S-D-SM	208-5283				
60	T2M-130-01-S-D-SM	208-5284				

Pin Headers - Straight Gold Plated, SIL and DIL

HARWIN



Mfrs. List No. Single row=M22-201xx05, Double row=M22-202xx05, where xx=No. of ways

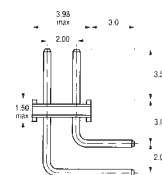
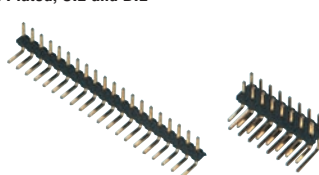


209454

No. of Ways	Order Code	10+	50+	100+	500+	1K+
Single Row						
Order Multiple=10						
3	671-927					
3	671-927					
4	671-939					
5	671-940					
6	671-952					
8	671-964					
10	671-976					
12	671-988					
Order Multiple=1						
20	671-990					
50	672-002					
Double Row						
Order Multiple=10						
33+	672-026					
20+20	671-990					
4+4	672-038					
5+5	672-040					
12+12	672-051					
8+8	672-063					
+	672-075					
12+12	672-087					
Order Multiple=1						
20+20	672-099					
50+50	672-105					

Pin Headers - 90° Gold Plated, SIL and DIL

HARWIN



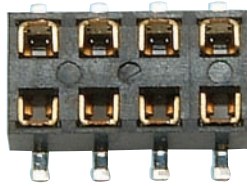
Mfrs. List No. Single row=M22-203xx05, Double row=M22-204xx05, where xx=No. of ways

209453

No. of Ways	Order Code	10+	50+	100+	500+	1K+
Single Row						
Order Multiple=10						
2	672-117					
3	672-129					
4	672-130					
5	672-142					
8	672-154					
10	672-166					
12	672-178					
Order Multiple=1						
20	672-180					
50	672-191					
Double Row						
Order Multiple=10						
2+2	672-208					
3+3	672-210					
8+8	672-221					
10+10	672-233					
8+8	672-245					
10+10	672-257					
Order Multiple=1						
20+20	672-270					
50+50	672-282					

Sockets - Vertical

Double Row SMT



- Double row vertical sockets
- Phosphor bronze twin leaf contact
- Gold plated contacts, tin plated terminals
- Mate with Harwin 2mm header range
- 2.3mm high SMT sockets
- Twin beam contact for cost effective reliability

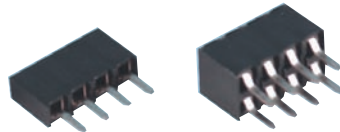
Mfrs. List No. Double row SMT = M22-636XX42

209455

Order Multiple 1	No. of Ways	Order Code	1+	10+	50+	100+	500+
Double Row SMD							
	4+4	118-9099					
	5+5	118-9100					
	8+8	118-9102					
	10+10	118-9103					
	12+12	118-9106					

Sockets - Vertical

SIL and DIL, 2.6mm Tail Length



- 2.6mm tail length
- Single and double row vertical sockets
- Phosphor bronze twin leaf contact
- Mate with Harwin 2mm header range
- Twin beam contact for cost effective reliability

Current rating 1A
Proof Voltage 500V AC/DC
Temperature range -40°C to +105
Contact resistance 20mohm
Insulation resistance min.

Contact Material Phosphor Bronze
Contact area Gold
Housing Black Nylon 6T
Flammability rating UL94V-0

Mfrs. List No. Single row=M22-713xx42, Double row=M22-714xx42, where xx=No. of ways

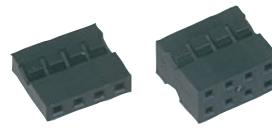
422778

No. of Ways	Order Code	1+	10+	50+	100+	500+
Single Row						
Order Multiple=10						
3	110-9726					
4	110-9727					
5	110-9729					
6	110-9731					
10	110-9732					
20	110-9733					
Double Row						
3+3	110-9734					
4+4	110-9735					
5+5	110-9736					
6+6	110-9737					

No. of Ways	Order Code	1+	10+	50+	100+	500+
Dual Row						
7+7	110-9793					
8+8	110-9794					
10+10	110-9738					
20+20	110-9739					
25+25	110-9740					

Crimp Terminal Housings

SIL and DIL



Mates with Harwin 2mm crimps and headers.

Material Black Nylon UL94V-0 rated
Temperature range -25°C to +90°C

Mfrs. List No. Single row=M22-301xx00, Double row=M22-302xx00, where xx=No. of ways

209459

Order Multiple=10

No. of Ways	Order Code	10+	50+	100+	500+	1K+
Single Row						
2	672-452					
3	672-464					
4	672-476					
10	672-488					
Double Row						
3+3	672-518					
4+4	672-520					
20+20	672-531					
12+12	672-543					

Crimp Terminals



- Twin leaf phosphor bronze crimps
- Supplied in bags of 100 in convenient strips of 10
- For 24 to 30 AWG wires

Mfrs. List No.

M22-3050006 = 672-555, M22-3050022 = 672-567

209458

100 Per Pack

Finish	Order Code	1+	5+	10+	50+
Tin	102-2266				
Gold	102-2265				

Crimp Tool



- Easy to operate fixed ratchet hand tool
- Supplied with full instructions.

Recommended wire gauge 24-30 AWG

209460

Mfrs. List No.	Order Code	1+	5+	10+
Z22-020	672-579			

Minitek PiP Connectors

Unshrouded Headers



Minitek is FCI's brand for board-to-board and wire/cable-to-board connectors in 2.00mm pitch.

Pin in Paste (PiPo) technology allows the use of TMT products in SMT manufacturing processes.

The connectors are automatically or manually placed on the board, then soldered in the

same operation as the SMT components, whilst still maintaining the mechanical strength of TMT soldering.

Housing Material: High temperature, black thermoplastic.

Applications: Electronic equipment requiring a parallel or perpendicular board-to-board or wire-to-board interconnect.

Benefits: Up to 38% space saving compared to 2.54mm pitch.

Orientation	Mating Length	Contact Material	Contact Plating	Current Rating	Operating Temperature
Vertical	4 mm	Phosphor Bronze	Gold	2A	-55°C to 125°C
Right Angle	4 mm	Phosphor Bronze	Gold	2A	-40°C to 105°C

HARWIN

HARWIN

HARWIN

FCI

Minitek PiP Connectors - continued

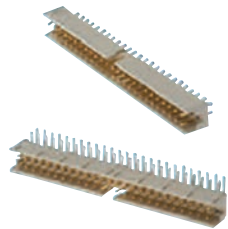
Unshrouded Headers - continued

515375

Orientation	Ways	Mftrs. List No.	Order Code	Price Each			
				5+	50+	100+	250+
Vertical	4	10075024-G01-02LF	156-8576				
Vertical	6	10075024-G01-03LF	156-8578				
Vertical	8	10075024-G01-04ULF	156-8579				
Vertical	10	10075024-G01-05ULF	156-8580				
Vertical	50	10075024-G01-25ULF	162-3812				
Right Angle	16	10072353-G01-08ULF	156-8591				
Right Angle	20	10072353-G01-10ULF	156-8592				
Right Angle	50	10072353-G01-25ULF	162-3814				

Minitek PiP Connectors

Shrouded Headers



Minitek is FCI's brand for board-to-board and wire/cable-to-board connectors in 2.00mm pitch. Pin in Paste (PiPo) technology allows the use of TMT products in SMT manufacturing processes. The connectors are automatically or manually placed on the board, then soldered in the same operation as the SMT components, whilst still maintaining the mechanical strength of TMT soldering. Housing Material: High temperature, cream colored thermoplastic. Applications: Electronic equipment requiring a parallel or perpendicular board-to-board or wire-to-board interconnect.

Benefits: Up to 38% space saving compared to 2.54mm pitch.

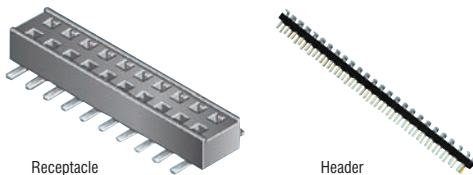
Orientation	Mating Length	Contact Material	Contact Plating	Current Rating	Operating Temperature
Vertical	4 mm	Phosphor Bronze	Gold	2A	-40°C to 105°C
Right Angle	4 mm	Phosphor Bronze	Gold	2A	-40°C to 105°C

Order Multiple = 5

Orientation	Mftrs. List No.	Order Code	Price Each			
			5+	50+	100+	250+
Vertical	10075025-G01-06LF	156-8594				
Vertical	10075025-G01-10ULF	156-8596				
Vertical	10075025-G01-12ULF	156-8597				
Vertical	10075025-G01-16ULF	156-8598				
Vertical	10075025-G01-20ULF	156-8599				

Minitek™ Vertical Receptacles

2.00 mm



- Dual-beam contact design for highly reliable electrical performance
- Surface mount connectors
- Orientation: Vertical
- Housing heights: Receptacles - 4.50 mm

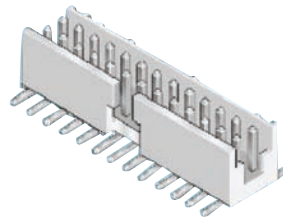
Product	Housing Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Receptacle	High Temperature Thermoplastic	Phosphor Bronze	Gold	1A	-55°C to 125°C

Order Multiple = 5

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			5+	50+	100+	250+
Receptacles						
55510-104TRLF	4	162-3769				
55510-106TRLF	6	162-3770				
55510-108TRLF	8	162-3772				
55510-110TRLF	10	162-3773				
55510-112TRLF	12	162-3774				
55510-116TRLF	16	162-3775				
55510-120TRLF	20	162-3776				

Minitek™ Shrouded Vertical Headers

2.00 mm



High Temp. Thermoplastic Phosphor Bronze

- 4-wall design prevents mis-mating
- Selective plating
- Co-planarity 0.1 (SMT)
- Compatible with wave, vapor-phase, and IR reflow soldering processes
- Headers mate with the Minitek™ 2.00mm Crimp-to-Wire Housings (90311 series), Minitek™ 2.00mm IDC Receptacles (89361 series) and Minitek™ Active Latch Housings (10073599 series)

100 2A -40°C to 105°C

519122

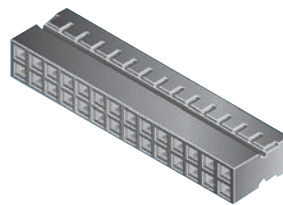
Mftrs. List No.	No. of Ways	Order Code	Price Each				
			5+	50+	100+	250+	500+
98424-G52-04LF	4	162-3785					
98424-G52-06LF	6	162-3786					
98424-G52-08LF	8	162-3787					
98424-G52-10LF	10	162-3788					
98424-G52-12LF	12	162-3789					
98424-G52-16LF	16	162-3790					
98424-G52-20LF	20	162-3791					

Shunt

86730-101LF	2.00mm	162-3792				
Crimp-to-Wire Contact			100+	500+	1K+	
77138-101LF	26-30AWG	162-3793				
Crimp Tool, Hand			1+			
HT-151	26-30AWG	176-4411				

Minitek™ Crimp-to-Wire Housings

2.00 mm



- Dual-beam contact design for highly reliable electrical performance
- Latching key assures proper alignment and friction retention
- Contact retention to housing: 7.83N (800gf) min.
- Mating force per contact: 1.77N (180gf) min.
- Unmating force per contact: 0.20N (20gf) min.
- Housings mate with the Minitek™ 2.00mm Shrouded Vertical Headers (98424-G52 series)

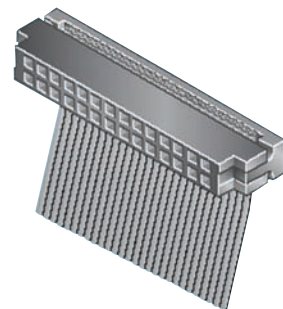
Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Current Rating	Operating Temperature
Thermoplastic	Phosphor Bronze	Gold over 1.27μm (50μ") Nickel	100	2A	-40°C to 105°C

519038

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			5+	50+	100+	250+
90311-004LF	4	162-3777				
90311-006LF	6	162-3778				
90311-008LF	8	162-3779				
90311-010LF	10	162-3780				
90311-012LF	12	162-3781				
90311-016LF	16	162-3782				
90311-020LF	20	162-3784				
Crimp-to-Wire Contact						
77138-101LF	26-30AWG	162-3793				

Minitek™ IDC Receptacles

2.00 mm



- Early entry, single-beam contacts provide long wiping action for reliable electrical contact
- Center key polarization and friction latch options
- 2.55 mm min. to 4.57 mm max. [provides .381 mm wipe]
- Receptacles mate with the Minitek™ 2.00mm Shrouded Vertical Headers (8424-G52 series) and Minitek™ 2.00mm Eject Latch Headers (10078991-G22 series)

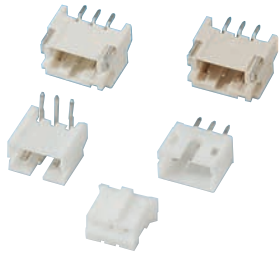
Housing Material	Contact Material	Contact Material	No. of Mating Cycles	Current Rating	Temperature Range
Glass - Filled Thermoplastic Polyester	Phosphor Bronze	Gold	100	1A	-40°C to 105°C

519203

Order Multiple = 5							
Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	250+	500+
89361-706LF	6	162-3794					
89361-708LF	8	162-3796					
89361-710LF	10	162-3797					
89361-712LF	12	162-3798					
89361-716LF	16	162-3799					
89361-720LF	20	162-3800					

PH Series Connector

Pitch 2.0mm.



- Contact dimpled to ensure good connection and low contact resistance
- Compatible with KR IDC connectors
- Narrow, Low profile
- SMT configuration available
- Fully shrouded header
- Approvals: CSA, UL recognised

Current rating	2A	Isolation resistance	min.
Voltage nom	100V AC/DC	Contact Material	Phosphor Bronze
Temperature range	-25°C to 85°C	Housing	Nylon 66 blanc
Contact resistance	10mohm	Flammability rating	UL94V-0

343643.267229

No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+
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Housing

2	PHR-2	361-6186			
3	PHR-3	361-6198			
4	PHR-4	361-6204			
5	PHR-5	361-6216			
6	PHR-6	361-6228			
7	PHR-7	361-6230			
8	PHR-8	361-6241			
9	PHR-9	361-6253			
10	PHR-10	361-6265			
11	PHR-11	361-6277			
12	PHR-12	361-6289			

Contact - loose piece 100+ 250+ 500+

0.05 to 0.22mm ²	BPH-002T-P0.5S	361-7210			
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Contact - reeled piece 100+ 250+

0.05 to 0.22mm ²	SPH-002T-P0.5S	167-1245			
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Top Entry Header

2	B2B-PH-K-S(LF)(SN)	949-1856			
3	B3B-PH-K-S(LF)(SN)	949-2429			
4	B4B-PH-K-S(LF)(SN)	949-2437			
5	B5B-PH-K-S(LF)(SN)	949-2445			
6	B6B-PH-K-S(LF)(SN)	949-2453			
7	B7B-PH-K-S(LF)(SN)	949-1864			
8	B8B-PH-K-S(LF)(SN)	949-2461			
9	B9B-PH-K-S(LF)(SN)	949-1872			
10	B10B-PH-K-S(LF)(SN)	949-1880			
11	B11B-PH-K-S(LF)(SN)	949-1899			
12	B12B-PH-K-S(LF)(SN)	949-2470			

Side Entry Header

2	S2B-PH-K-S(LF)(SN)	949-1902			
3	S3B-PH-K-S(LF)(SN)	949-1910			
4	S4B-PH-K-S(LF)(SN)	949-2488			
5	S5B-PH-K-S(LF)(SN)	949-2496			
6	S6B-PH-K-S(LF)(SN)	949-2500			
7	S7B-PH-K-S(LF)(SN)	949-2518			
8	S8B-PH-K-S(LF)(SN)	949-2526			

SMT Header Top Entry

2	B2B-PH-SM4-TB(LF)(SN)	949-2534			
3	B3B-PH-SM4-TB(LF)(SN)	949-2542			
4	B4B-PH-SM4-TB(LF)(SN)	949-1929			
5	B5B-PH-SM4-TB(LF)(SN)	949-1937			
6	B6B-PH-SM4-TB(LF)(SN)	949-1945			
7	B7B-PH-SM4-TB(LF)(SN)	949-2550			
8	B8B-PH-SM4-TB(LF)(SN)	949-2569			
10	B10B-PH-SM4-TB(LF)(SN)	949-2585			
12	B12B-PH-SM4-TB(LF)(SN)	949-2607			

SMT Header Side Entry

2	S2B-PH-SM4-TB(LF)(SN)	949-2615		10+	100+	250+
3	S3B-PH-SM4-TB(LF)(SN)	949-2623				
4	S4B-PH-SM4-TB(LF)(SN)	949-2631				

No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+
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SMT Header Top Entry

5	S5B-PH-SM4-TB(LF)(SN)	949-2640			
6	S6B-PH-SM4-TB(LF)(SN)	949-2658			
7	S7B-PH-SM4-TB(LF)(SN)	949-2666			
8	S8B-PH-SM4-TB(LF)(SN)	949-2674			
9	S9B-PH-SM4-TB(LF)(SN)	949-2682			
10	S10B-PH-SM4-TB(LF)(SN)	949-2690			

Order Multiple = 1

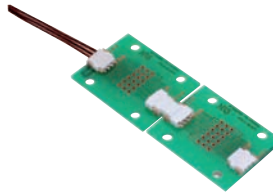
Crimp Tool	WG-240	361-7270	1+	5+	10+
Extraction Tool	EJ-PH	361-7282			

DF59 Low Profile Interconnect System

2mm Pitch



NEW



- Floating structure in three dimensions
- Reinforcing lock structure with swing lock
- Low profile height of 2.48mm for wire to board
- Current rating: 3A
- Wire size: 22AWG

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
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Receptacles

2	DF59-2S-2V(51)	200-4585				
3	DF59-3S-2V(51)	200-4587				

Board Connector

2	DF59-2P-2FC(50)	200-4588				
3	DF59-3P-2FC(50)	200-4589				

Plugs

2	DF59-2P-2C	200-4590				
3	DF59-3P-2C	200-4591				

Shorting Plugs

2	DF59-2P-2SP(50)	200-4593				
3	DF59-3P-2SP(50)	200-4594				

Double End Lead

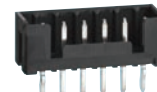
150mm	CASS-0919	200-4595				
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Discrete Wire Connection

DF3 Series



Crimp Socket Housing



Header, Straight, Thru-Hole



Header, R/A, Thru-Hole



Header, Straight, SMT



Header, R/A, SMT

- Crimp Socket has a low profile design with mounting height of 7.5mm
- The board-to-board pin headers come with kinked contacts to help temporarily keep the connector in position
- SMT header is equipped with a metal tab to prevent peeling in the solder joint area
- 2mm pitch

Specifications:-	Brass	Contact Plating	Tin
Contact Material	Brass	Contact Resistance	30mohm
Insulation Resistance		Insulator Material	Polyamide
Operating Temp.	-30°C to 85°C	Voltage Rating	30VAC
Current Rating	3A (22-24 AWG) 2A (26 AWG) 1A (28 AWG)		

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	250+	500+
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Crimp Socket Housing, 22-28 AWG

2	DF3-2S-2C	171-9164					
3	DF3-3S-2C	171-9165					
4	DF3-4S-2C	171-9167					
5	DF3-5S-2C	171-9168					
6	DF3-6S-2C	171-9169					
8	DF3-8S-2C	171-9170					
10	DF3-10S-2C	171-9162					
12	DF3-12S-2C	171-9163					

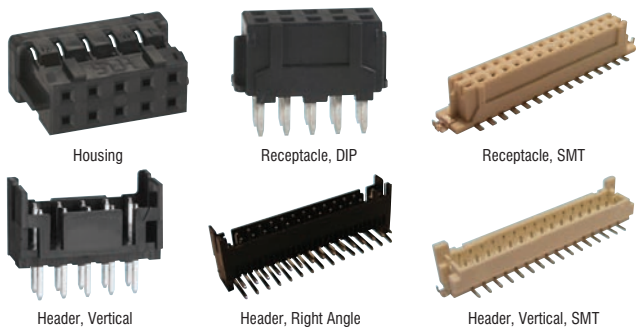
Discrete Wire Connection - continued

DF3 Series - continued

No. of Ways	Price Each		
	Mftrs. List No.	Order Code	10+ 50+ 100+ 250+ 500+
Pin Header, Straight, Through Hole			
2	DF3A-2P-2DSA	171-9173	
3	DF3A-3P-2DSA	171-9174	
4	DF3A-4P-2DSA	171-9175	
10	DF3A-10P-2DSA	171-9171	
12	DF3A-12P-2DSA	171-9172	
Pin Header, Right Angle, Through Hole			
2	DF3A-2P-2DS	171-9183	
3	DF3A-3P-2DS	171-9184	
4	DF3A-4P-2DS	171-9185	
5	DF3A-5P-2DS	171-9186	
6	DF3A-6P-2DS	171-9187	
8	DF3A-8P-2DS	171-9188	
12	DF3A-12P-2DS	171-9182	
Pin Header, Straight, SMT			
2	DF3Z-2P-2V(20)	171-9190	
10	DF3Z-10P-2V(20)	171-9189	
DF3 Series Crimp Socket Contact			
AWG	Mftrs. List No.	Order Code	10+ 100+ 1K+
24-28	DF3-2428SC	171-9200	
Crimp Tool			
Mftrs. List No.	Order Code	1+	
DF3-TA2428HC	171-9201		
Cable Assemblies, Crimp Socket - Crimp Socket, 24-28 AWG			
Length	Mftrs. List No.	Order Code	10+ 50+ 100+ 1K+
300mm	CASS-0835	171-9203	

2mm Double Row Connectors

DF11 Series



- Double rows of 2mm pitch contact condensed within a 5mm width
- Multiple number of signals can be secured in the same space as the conventional 2mm single-row contact
- Applicable wires: 22-30 AWG
- Using the full automatic IDC machine, complicated multi-harness wiring can be easily connected, reducing man-hours and eliminating the manual work process

Applications:- Business equipments such as copy machine, printer and so on.

Specifications:-

Contact Material	Phosphor Copper	Contact Plating	Tin
Contact Resistance	30mohm	Insulation Resistance	
Flammability Rating	UL94V-0	Operating Temp.	-30°C to 85°C
Current Rating	2A (22-26 AWG)	Voltage Rating	30VAC / 42VDC
	1A (28 AWG)		
	0.5A (30 AWG)		

528742

No. of Ways	Price Each		
	Mftrs. List No.	Order Code	10+ 50+ 100+ 250+ 500+
Crimping Socket Housings			
4	DF11-4DS-2C	168-8301	
6	DF11-6DS-2C	168-8302	
8	DF11-8DS-2C	168-8304	
10	DF11-10DS-2C	168-8305	
12	DF11-12DS-2C	168-8306	
16	DF11-16DS-2C	168-8308	
20	DF11-20DS-2C	168-8310	
24	DF11-24DS-2C	168-8312	
Receptacles, DIP			
6	DF11-6DS-2DSA(05)	168-8318	
8	DF11-8DS-2DSA(05)	168-8319	
10	DF11-10DS-2DSA(05)	168-8320	
12	DF11-12DS-2DSA(05)	168-8321	
16	DF11-16DS-2DSA(05)	168-8323	

No. of Ways		Price Each				
Mftrs. List No.	Order Code	10+	50+	100+	250+	500+

Receptacles, DIP

20	DF11-20DS-2DSA(05)	168-8325				
24	DF11-24DS-2DSA(05)	168-8328				
28	DF11-28DS-2DSA(05)	168-8330				

Receptacles, SMT

10	DF11CZ-10DS-2V(22)	168-8336				
20	DF11CZ-20DS-2V(22)	168-8337				
30	DF11CZ-30DS-2V(22)	168-8338				

Pin Headers, Vertical

4	DF11-4DP-2DSA(24)	168-8342				
6	DF11-6DP-2DSA(24)	168-8343				
8	DF11-8DP-2DSA(24)	168-8344				
10	DF11-10DP-2DSA(24)	168-8345				
12	DF11-12DP-2DSA(24)	168-8346				
14	DF11-14DP-2DSA(24)	168-8347				
16	DF11-16DP-2DSA(24)	168-8348				
20	DF11-20DP-2DSA(24)	168-8350				
24	DF11-24DP-2DSA(24)	168-8353				

Pin Headers, Right Angle

4	DF11-4DP-2DS(24)	168-8358				
8	DF11-8DP-2DS(24)	168-8360				
10	DF11-10DP-2DS(24)	168-8361				
12	DF11-12DP-2DS(24)	168-8362				

Pin Headers, Vertical, SMT

6	DF11CZ-6DP-2V(27)	168-8375				
8	DF11CZ-8DP-2V(27)	168-8377				
10	DF11CZ-10DP-2V(27)	168-8378				
14	DF11CZ-14DP-2V(27)	168-8380				
16	DF11CZ-16DP-2V(27)	168-8381				
18	DF11CZ-18DP-2V(27)	168-8382				
20	DF11CZ-20DP-2V(27)	168-8383				
24	DF11CZ-24DP-2V(27)	168-8385				
26	DF11CZ-26DP-2V(27)	168-8386				
28	DF11CZ-28DP-2V(27)	168-8387				
32	DF11CZ-32DP-2V(27)	168-8391				

Crimping Contact for Socket

No. of Ways		Price Each				
Mftrs. List No.	Order Code	10+	50+	100+	1K+	
24-28	DF11-2428SC	168-8393				

Crimp Tool

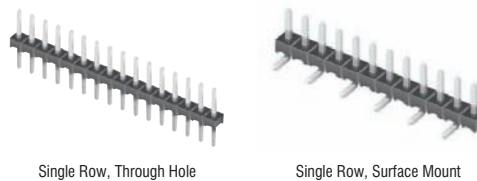
Mftrs. List No.		Order Code	1+	3+	Price Each	
24-28	DF11-TA2428HC	168-8394				

Socket to Socket Wire Assemblies

Wire		Price Each				
Length	Mftrs. List No.	Order Code	10+	50+	100+	500+ 1K+
150mm	CASS-0836	168-8395				
300mm	CASS-0837	168-8396				

2.0mm Headers

TMM series



- Through Hole / Surface Mount
- Single / Double row
- Profile Height - 1.50mm (Through Hole) / 2.77mm (Surface Mount)
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's MMS, SMM, SQT, SQW & TLE series

LCP	Phosphor Bronze	Gold	-55°C to 125°C
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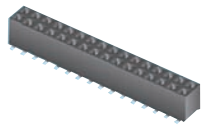
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No. of Ways		Price Each				
Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
Single Row, Through Hole						
TMM-102-01-G-S	2	166-8521				
TMM-103-01-G-S	3	166-8526				
TMM-104-01-G-S	4	166-8530				
TMM-105-01-G-S	5	166-8534				
TMM-106-01-G-S	6	166-8539				
TMM-108-01-G-S	8	166-8545				
TMM-110-01-G-S	10	166-8551				
TMM-112-01-G-S	12	166-8553				
TMM-120-01-G-S	20	166-8557				

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
Single Row, Surface Mount							
TMM-102-01-G-S-SM	2	166-8522 ●					
TMM-103-01-G-S-SM	3	166-8527 ●					
TMM-104-01-G-S-SM	4	166-8531 ●					
TMM-105-01-G-S-SM	5	166-8536 ●					
TMM-106-01-G-S-SM	6	166-8540 ●					
TMM-110-01-G-S-SM	10	166-8552 ●					
TMM-112-01-G-S-SM	12	166-8554 ●					
TMM-120-01-G-S-SM	20	166-8558 ●					
Double Row, Through Hole							
TMM-102-01-G-D	4	166-8519 ●					
TMM-103-01-G-D	6	166-8524 ●					
TMM-104-01-G-D	8	166-8528 ●					
TMM-105-01-G-D	10	166-8532 ●					
TMM-106-01-G-D	12	166-8537 ●					
TMM-107-01-G-D	14	166-8541 ●					
TMM-108-01-G-D	16	166-8543 ●					
TMM-110-01-G-D	20	166-8550 ●					
TMM-115-01-G-D	30	166-8555 ●					
TMM-120-01-G-D	40	166-8556 ●					
TMM-125-01-G-D	50	166-8561 ●					
TMM-140-01-G-D	80	166-8564 ●					
Double Row, Surface Mount							
TMM-102-01-G-D-SM	4	166-8520 ●					
TMM-103-01-G-D-SM	6	166-8525 ●					
TMM-104-01-G-D-SM	8	166-8529 ●					
TMM-105-01-G-D-SM	10	166-8533 ●					
TMM-106-01-G-D-SM	12	166-8538 ●					
TMM-107-01-G-D-SM	14	166-8542 ●					
TMM-108-01-G-D-SM	16	166-8544 ●					
TMM-150-01-G-D-SM	100	166-8567 ●					

2.0mm Standard Sockets

TLE series



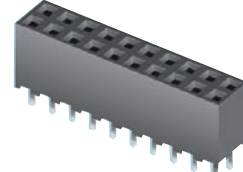
- Tiger Beam™ contacts
- Surface Mount
- Double row
- Profile Height - 4.32mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

LCP Phosphor Bronze Gold -55°C to 125°C 527432

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
TLE-102-01-G-DV	4	166-8466 ●					
TLE-103-01-G-DV	6	166-8467 ●					
TLE-104-01-G-DV	8	166-8469 ●					
TLE-105-01-G-DV	10	166-8471 ●					
TLE-106-01-G-DV	12	166-8472 ●					
TLE-107-01-G-DV	14	166-8473 ●					
TLE-108-01-G-DV	16	166-8474 ●					
TLE-109-01-G-DV	18	166-8475 ●					
TLE-110-01-G-DV	20	166-8476 ●					
TLE-115-01-G-DV	30	166-8477 ●					
TLE-120-01-G-DV	40	166-8478 ●					
TLE-130-01-G-DV	60	166-8480 ●					
TLE-135-01-G-DV..	70	166-8482 ●					

2.0mm Tiger Buy Sockets

SQW series



- Tiger Buy™ contacts
- Through Hole
- Double Row
- Profile Height - 7.62mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

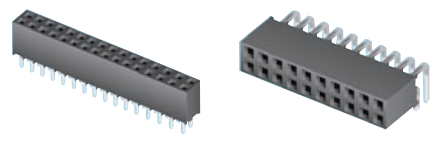
LCP Phosphor Bronze Gold -55°C to 125°C 527406

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
SQW-102-01-L-D	4	166-8187 ●					
SQW-103-01-L-D	6	166-8188 ●					
SQW-104-01-L-D	8	166-8189 ●					
SQW-105-01-L-D	10	166-8190 ●					
SQW-106-01-L-D	12	166-8191 ●					

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
SQW-110-01-L-D	20	166-8192 ●					
SQW-115-01-L-D	30	166-8193 ●					
SQW-120-01-L-D	40	166-8194 ●					
SQW-125-01-L-D	50	166-8196 ●					
SQW-130-01-L-D	60	166-8197 ●					

2.0mm Square Tail Sockets

SQT series



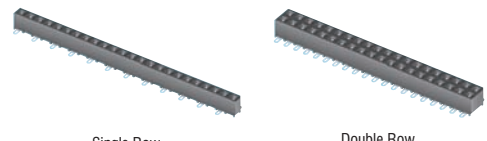
- Tiger Buy™ contacts
- Orientation - Vertical or Right Angle
- Single or Double row
- Profile Height - 6.35mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Pitch Row - 2.0mm
- Pin Length - 2.29mm
- Durability - 100 cycles
- Mates with Samtec's TMM series

LCP Phosphor Bronze Gold 450VAC -55°C to 125°C 527404

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	250+
Einreihig, Vertikale Version Single Row							
2	SQT-102-01-L-S	166-8149 ●					
4	SQT-104-01-L-S	166-8155 ●					
5	SQT-105-01-L-S	166-8161 ●					
6	SQT-106-01-L-S	166-8163 ●					
8	SQT-108-01-L-S	166-8165 ●					
10	SQT-110-01-L-S	166-8169 ●					
Einreihig, Rechtwinklige Version Single Row, Right Angle Simple							
4	SQT-104-01-L-S-RA	166-8156 ●					
6	SQT-106-01-L-S-RA	166-8164 ●					
8	SQT-108-01-L-S-RA	166-8166 ●					
Zweireihig, Vertikale Version Double Row, Vertical Double							
4	SQT-102-01-L-D	166-8147 ●					
6	SQT-103-01-L-D	166-8151 ●					
8	SQT-104-01-L-D	166-8153 ●					
10	SQT-105-01-L-D	166-8157 ●					
20	SQT-110-01-L-D	166-8167 ●					
30	SQT-115-01-L-D	166-8172 ●					
40	SQT-120-01-L-D	166-8174 ●					
50	SQT-125-01-L-D	166-8176 ●					
60	SQT-130-01-L-D	166-8178 ●					
70	SQT-135-01-L-D..	166-8180 ●					
100	SQT-150-01-L-D	166-8185 ●					
Zweireihig, Rechtwinklige Version Double Row, Right Angle Double							
4	SQT-102-01-L-D-RA	166-8148 ●					
6	SQT-103-01-L-D-RA	166-8152 ●					
8	SQT-104-01-L-D-RA	166-8154 ●					
10	SQT-105-01-L-D-RA	166-8159 ●					
20	SQT-110-01-L-D-RA	166-8168 ●					
30	SQT-115-01-L-D-RA	166-8173 ●					
40	SQT-120-01-L-D-RA	166-8175 ●					
50	SQT-125-01-L-D-RA	166-8177 ●					
100	SQT-150-01-L-D-RA	166-8186 ●					

2.0mm High Rel Sockets

SMM series



- High reliability Tiger Eye™ contacts
- Single or double row available
- Surface Mount
- Profile Height - 3.56mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

LCP Beryllium Copper Gold 3A -55°C to 125°C

Connectors

15

Connectors - PCB

L-Tek Male PC Tail High Reliability Connectors

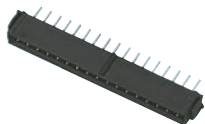
Vertical, 2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- Mates with any L-Tek female connector
- 2mm pitch spacing
- 3mm tail
- RoHS Compliant

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	M80-8541442	978-9251				
16	M80-8541642	978-9278				
18	M80-8541842	978-9286				
20	M80-8542042	978-9707				
26	M80-8542642	177-3786				
34	M80-8543442	177-3787				

L-Tek Male SIL Vertical PC Tail

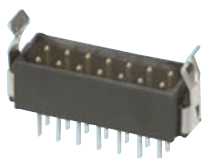
Single Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			2+	10+	50+	100+
2	M80-8520242	978-9600				
3	M80-8520342	978-9618				
4	M80-8520442	978-9626				
5	M80-8520542	978-9634				
6	M80-8520642	978-9642				
7	M80-8520742	978-9650				

L-Tek Male DIL Vertical PC Tail with Locking Latch

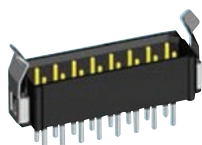
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
4	M80-8530442	146-2996				
8	M80-8530842	165-4516				
10	M80-8531042	146-3000				
12	M80-8531242	177-3774				
14	M80-8531442	177-3775				
16	M80-8531642	177-3776				
18	M80-8531842	177-3777				
34	M80-8533442	177-3778				

L-Tek Male DIL Vertical PC Tail with Friction Latch

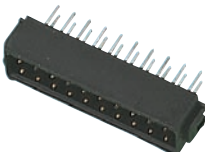
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-8630642	156-8666				
8	M80-8630842	156-8667				
12	M80-8631242	156-8669				
14	M80-8631442	177-3779				
20	M80-8632042	156-8671				
34	M80-8633442	177-3783				

L-Tek Male DIL Vertical PC Tail Unlatched

Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8540442	177-3784				
6	M80-8540642	177-3785				
8	M80-8540842	978-9677				
10	M80-8541042	978-9685				
12	M80-8541242	978-9693				

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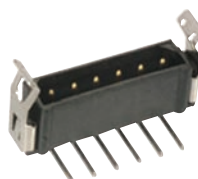
L-Tek Male PC Tail High Reliability Connectors

Right Angle, 2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- Mates with any L-Tek female connector
- Board hold-downs included
- 2mm pitch spacing
- 3mm tail
- RoHS Compliant

L-Tek Male SIL Right Angle PC Tail with Locking Latch

Single Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
2	M80-8420242	146-2998				
3	M80-8420342	146-3005				
4	M80-8420442	177-3788				
5	M80-8420542	177-3789				
6	M80-8420642	177-3790				
7	M80-8420742	177-3791				
17	M80-8421742	177-3792				

L-Tek Male DIL Right Angle PC Tail with Locking Latch

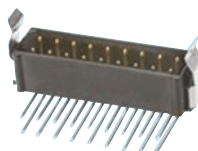
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8510442	156-8661				
6	M80-8510642	156-8662				
8	M80-8510842	156-8663				
10	M80-8511042	156-8664				
12	M80-8511242	146-2999				
14	M80-8511442	177-3794				
16	M80-8511642	177-3795				
18	M80-8511842	177-3796				
34	M80-8513442	177-3797				

L-Tek Male DIL Right Angle PC Tail with Friction Latch

Double Row



2.0mm Pitch Datamate - continued

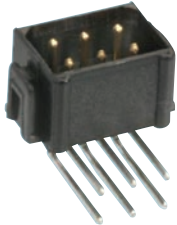
L-Tek Male PC Tail High Reliability Connectors - continued

Right Angle, 2mm Pitch - continued

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8390442	177-3798				
10	M80-8391042	177-3799				
12	M80-8391242	146-3004				
16	M80-8391642	177-3802				
18	M80-8391842	177-3803				
20	M80-8392042	177-3804				
34	M80-8393442	177-3805				

L-Tek Male DIL Right Angle PC Tail Unlatched

Double Row



548702

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8410442	177-3806				
6	M80-8410642	177-3807				
8	M80-8410842	978-9375				
10	M80-8411042	978-9391				
12	M80-8411242	978-9405				
14	M80-8411442	978-9421				
16	M80-8411642	978-9430				
18	M80-8411842	177-3808				
20	M80-8412042	978-9448				
26	M80-8412642	177-3809				

Datamate L-Tek

L-Tek Male SMT High Reliability Connectors

Vertical, 2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Polyamide 46 UL9V-0)
- Mates with any L-Tek female connector
- 2mm pitch spacing
- RoHS Compliant

L-Tek Vertical Male SMT with Locking Latch

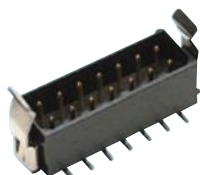
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8270442	156-8643				
6	M80-8280642	156-8653				
8	M80-8280842	110-0732				
10	M80-8281042	110-0733				
12	M80-8281242	110-0734				
14	M80-8281442	110-0735				
16	M80-8281642	110-0736				
18	M80-8281842	177-3812				
20	M80-8282042	156-8654				
26	M80-8282642	177-3813				

L-Tek Vertical Male SMT with Friction Latch

Double Row

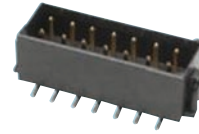


548738

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8270442	156-8643				
6	M80-8270642	156-8645				
10	M80-8271042	156-8647				
12	M80-8271242	156-8648				
14	M80-8271442	156-8649				
16	M80-8271642	156-8650				
18	M80-8271842	177-3815				
20	M80-8272042	156-8651				

L-Tek Vertical Male SMT Unlatched

Double Row



548708

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-8260442	156-8635				
6	M80-8260642	156-8636				
8	M80-8260842	110-0731				
10	M80-8261042	156-8637				
12	M80-8261242	156-8638				
14	M80-8261442	156-8639				
18	M80-8261842	177-3818				

L-Tek Male SMT High Reliability Connectors

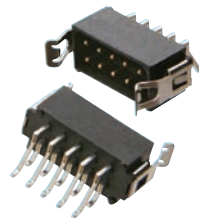
Datamate L-Tek

Right Angle, 2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Polyamide 46 UL9V-0)
- Mates with any L-Tek female connector
- Gull-wing stamped contacts
- 2mm pitch spacing
- RoHS Compliant

L-Tek Right Angle Male SMT with Locking Latch

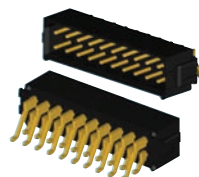
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
4	M80-6660442	177-3821				
6	M80-6660642	177-3822				
8	M80-6660842	151-7359				
10	M80-6661042	151-7360				
12	M80-6661242	151-7361				
16	M80-6661642	151-7364				
26	M80-6662642	177-3825				
34	M80-6663442	177-3826				

L-Tek Right Angle Male SMT Unlatched

Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
8	M80-6650842	151-7353				
10	M80-6651042	151-7354				
16	M80-6651642	151-7357				
20	M80-6652042	151-7358				

L-Tek Female High Reliability Connectors

2mm Pitch

- Gold Contacts included with housings
- Contacts are rear insertable
- Polarised Crimp Moulds - Glass-filled thermoplastic, UL94V-0
- Mates with L-Tek male connectors
- 2mm Pitch

No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	50+	100+
4	M80-8890405	177-3863			
6	M80-8890605	177-3864			
8	M80-8890805	177-3865			
10	M80-8891005	177-3866			
12	M80-8891205	177-3867			
14	M80-8891405	177-3868			
16	M80-8891605	177-3869			
18	M80-8891805	177-3870			
20	M80-8892005	177-3871			
26	M80-8892605	177-3873			
34	M80-8893405	177-3874			

L-Tek SIL Female Crimp Connectors, Small Bore, 24-28 AWG

Single Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	50+	100+
2	M80-8980205	146-3046				
3	M80-8980305	146-3042				
4	M80-8980405..	165-4556				
6	M80-8980605	177-3844				
7	M80-8980705	177-3845				

L-Tek DIL Female Crimp Connectors, Small Bore, 24-28 AWG

Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	10+	50+
4	M80-8880405	146-3039			
6	M80-8880605	146-3038			
8	M80-8880805	177-3848			
10	M80-8881005	146-3029			
12	M80-8881205	146-3041			
14	M80-8881405	177-3849			
16	M80-8881605	177-3850			
18	M80-8881805	177-3851			
20	M80-8882005	146-3040			
26	M80-8882605	177-3852			
34	M80-8883405	177-3853			

L-Tek SIL Female Crimp Connectors, Large Bore, 22 AWG

Single Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
2	M80-8990205	177-3854				
3	M80-8990305	177-3855				
4	M80-8990405	177-3856				
5	M80-8990505	177-3857				
6	M80-8990605	177-3858				
7	M80-8990705	177-3861				

L-Tek DIL Female Crimp Connectors, Large Bore, 22 AWG

Double Row



Spare Contacts

AWG	Mftrs. List No.	Order Code	Price Each		
			10+	100+	500+
24-28	M80-0130005	495-918			
22	M80F0110005	495-920			

L-Tek Female High Reliability Connectors

2mm Pitch

- Supplied with pre-crimped cables
- Two cable lengths to choose from - 150 or 300mm
- Multiple wire size options - 22-28AWG
- Red PTFE equipment wire
- For use with L-Tek, J-Tek and Mix-Tek (signal)

Female Crimped Contacts



Order Multiple=10

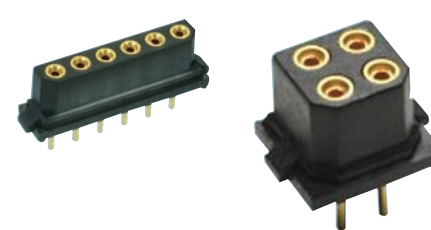
Contact Size	Length (mm)	Mftrs List No.	Order Code	Price Each		
				10+	100+	250+
Crimp Socket to Free End						
22AWG	150	M80-9100099	872-9247			
24AWG	150	M80-9110099	872-9255			
26AWG	150	M80-9120099	872-9263			
22AWG	300	M80-9140099	872-9280			
24AWG	300	M80-9150099	872-9298			
26AWG	300	M80-9160099	872-9301			
Crimp Socket to Crimp Socket						
22AWG	150	M80-9180099	872-9328			
24AWG	150	M80-9190099	872-9336			
22AWG	300	M80-9220099	872-9360			
24AWG	300	M80-9230099	872-9379			

L-Tek Female High Reliability Connectors

2mm Pitch

- Gold post tin tails
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- 2mm pitch spacing
- 3mm tails (PC Tail version) / Gull-wing contacts (SMT version)
- Mates with L-Tek male connectors

L-Tek Female Vertical PC Tail



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single Row						
3	M80-8400342	177-6194				
4	M80-8400442	177-6195				
5	M80-8400542	177-6196				
6	M80-8400642	177-6197				

2.0mm Pitch Datamate - continued

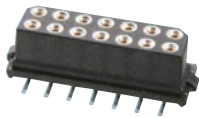
L-Tek Female High Reliability Connectors - continued

2mm Pitch - continued

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Double Row						
4	M80-8500442	156-8655	●			
6	M80-8500642	156-8657	●			
8	M80-8500842	156-8658	●			
10	M80-8501042	156-8659	●			
12	M80-8501242	156-8660	●			
14	M80-8501442	177-3875	●			
16	M80-8501642	177-3876	●			
20	M80-8502042	146-3011	●			
34	M80-8503442	177-3878	●			

L-Tek Female SMT Vertical

Double Row



548854

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
8	M80-6810842	177-3881	●			
10	M80-6811042	177-3882	●			
16	M80-6811642	177-3886	●			

L-Tek Crimp Mouldings

Datamate L-Tek



No. of Ways	Mftrs list No.	Order Code	Price Each				
			2+	10+	50+	100+	250+
Single Row							
2	M80-1010298S	495-773	●				
3	M80-1010398S	495-785	●				
4	M80-1010498S	495-797	●				
5	M80-1010598S	495-803	●				
6	M80-1010698S	495-815	●				
Double Row							
8	M80-1030898S	495-840	●				
10	M80-1031098S	495-852	●				
12	M80-1031298S	495-864	●				
14	M80-1031498S	495-876	●				
16	M80-1031698S	495-888	●				
18	M80-1031898S	495-890	●				
20	M80-1032098S	495-906	●				

Crimp Sockets

210022

Wire Size	Mftrs. List No.	Order Code	Price Each			
			10+	100+	500+	1K+
0.08-0.2 mm ² (24-28AWG)	M80-0130005	495-918	●			
0.32 mm ² (22AWG)	M80F0110005	495-920	●			

L-Tek Cable Hoods

Datamate L-Tek



- Provides cable strain relief when used with double row housings
- For use with unlatched connectors only
- Pin 1 identified on hood

210043

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			2+	10+	50+	100+	250+
10	M80-8801098	495-669	●				
12	M80-8801298	495-694	●				
14	M80-8801498	495-724	●				
16	M80-8801698	495-748	●				
20	M80-8802098	495-761	●				

Tooling

Datamate



495-931

495-943

495-967

941-5351

Datamate tooling for L-Tek, J-Tek and Mix-Tek series.

548740

Description	Mftrs. List No.	Order Code	Price Each
Hand Crimp Tool	M22520/2-01	495-931	
Positioner	T5747F	495-943	
Insertion Removal Tool	Z80-280	941-5351	
Separator Tool	T5746F	495-967	

Datamate J-Tek 2mm High Reliability Connectors

Datamate J-Tek

Features and Specifications



- Suited for use in environments where high vibration, shock and extreme temperatures are a consideration
- Professional Connector System at commercial prices
- Proven history in Mil/Aero applications
- Ideal for COTS applications
- Jackscrew Hardware for secure mating
- 3A, four finger BeCu contact, screw machined shell (pictured)
- RoHS Compliant per Harwin documentation

548753

Specifications:-

Working Voltage	240V dc/ac RMS	Contact Resistance	20 mohm max.
Male Contacts	Phosphor Bronze	Insulation Resistance	100 Mohm min @ 500Vdc
Mouldings	Glass-filled thermoplastic, UL94V-0	Pitch	2mm
Durability	500 operations	Operating Temp.	-55° to 125° / 56 days @ 95% RH

J-Tek Male PC Tail High Reliability Connectors

Datamate J-Tek

2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- Mates with J-Tek female connector
- 2mm pitch spacing
- RoHS Compliant

J-Tek Male DIL Vertical PC Tail

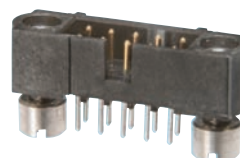
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-5000642	114-4559	●			
10	M80-5001042	114-4561	●			
14	M80-5001442	114-4562	●			
20	M80-5002042	114-4563	●			
26	M80-5002642	114-4564	●			
34	M80-5003442	114-4565	●			
42	M80-5004242	114-4566	●			
50	M80-5005042	114-4567	●			

J-Tek Male DIL Vertical PC Tail with Board Mount Hardware

Double Row

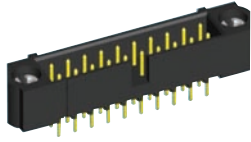


No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-5100642	114-4568				
10	M80-5101042	114-4569				
14	M80-5101442	114-4570				
20	M80-5102042	114-4572				
26	M80-5102642	114-4573				
34	M80-5103442	114-4574				
42	M80-5104242	114-4575				
50	M80-5105042	114-4576				

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
20	M80-4612042	114-4553				
26	M80-4612642	114-4554				
34	M80-4613442	114-4555				
42	M80-4614242	114-4556				
50	M80-4615042	114-4557				

J-Tek Male DIL Vertical PC Tail with Retainers for 101Lok

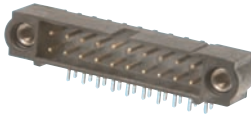
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
8	M80-5T10842MC	171-3745				
10	M80-5T11042MC	171-3746				
14	M80-5T11442MC	171-3749				

J-Tek Male DIL Right Angle PC Tail

Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-5300642	114-4577				
10	M80-5301042	114-4578				
14	M80-5301442	114-4579				
20	M80-5302042	114-4580				
26	M80-5302642	114-4581				
34	M80-5303442	114-4582				
42	M80-5304242	114-4584				
50	M80-5305042	114-4585				

J-Tek Male DIL Right Angle PC Tail with Board Mount Hardware

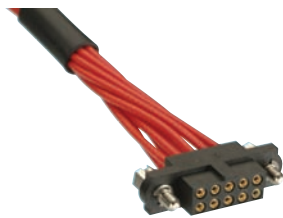
Double Row



No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-5400642	114-4586				
10	M80-5401042	114-4587				
14	M80-5401442	114-4588				
20	M80-5402042	114-4589				
26	M80-5402642	114-4590				
34	M80-5403442	114-4591				
42	M80-5404242	114-4592				

J-Tek Female Crimp Connectors

2mm Pitch



- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- Slotted Jackscrew
- Mates with J-Tek male connector
- 2mm pitch spacing
- Gold clip, Tin Shell
- Part number includes housing and contacts
- RoHS Compliant

J-Tek Female DIL Crimp Connectors, Small Bore, 24-28 AWG

Double Row

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-4610642	114-4550				
8	M80-4610842	177-3766				
10	M80-4611042	114-4551				
12	M80-4611242	177-3767				
14	M80-4611442	114-4552				

J-Tek Female DIL Crimp Connectors, Large Bore, 22 AWG

Double Row

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
6	M80-4600642	114-4541				
8	M80-4600842	177-3769				
10	M80-4601042	114-4542				
12	M80-4601242	177-3771				
14	M80-4601442	114-4543				
20	M80-4602042	114-4544				
26	M80-4602642	114-4545				
34	M80-4603442	114-4547				
42	M80-4604242	114-4548				
50	M80-4605042	114-4549				

Spare Contacts

AWG	Mftrs. List No.	Order Code	Price Each			
			10+	100+	500+	1K+
24-28	M80-0130005	495-918				
22	M80F0110005	495-920				

J-Tek Female Vertical PC Tail Connectors

2mm Pitch

- Selective Gold Plating
- 3A per contact
- Polarised Mouldings (Glass-filled thermoplastic UL94V-0)
- Hexagonal Slotted Jackscrews
- Mates with J-Tek male connector
- 2mm pitch spacing
- 3mm tails
- RoHS Compliant

J-Tek Female DIL Vertical PC Tail Connectors

Double Row



114-4539

114-4528

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Without Jackscrews						
10	M80-4101042	114-4533				
14	M80-4101442	114-4535				
20	M80-4102042	114-4536				
26	M80-4102642	114-4537				
34	M80-4103442	114-4538				
With Jackscrews						
6	M80-4000642	114-4524				
10	M80-4001042	114-4525				
14	M80-4001442	114-4526				
20	M80-4002042	114-4527				
26	M80-4002642	114-4528				
34	M80-4003442	114-4529				
42	M80-4004242	114-4530				
50	M80-4005042	114-4531				

Tooling



495-931

495-943

495-967



941-5351

Datamate tooling for L-Tek, J-Tek and Mix-Tek series.

Tooling - continued

Description	Mftrs. List No.	Order Code	Price Each
Hand Crimp Tool	M22520/2-01	495-931	1+
Positioner	T5747F	495-943	
Insertion Removal Tool	Z80-280	941-5351	
Separator Tool	T5746F	495-967	

548765

Datamate Mix-Tek

Datamate Mix-Tek 2mm High Reliability Connectors

Features and Specifications

- Suited for use in environments where high vibration, shock and extreme temperatures are a consideration
- Professional Connector System at commercial prices
- Proven history in Mil/Aero applications
- Ideal for COTS applications
- Power and signal contacts in-one - numerous options
- 3A, four finger BeCu contact, screw machined shell (pictured)
- RoHS Compliant per Harwin documentation

Specifications:-

Power Contacts	Up to 20A	Signal Contacts	3A
Working Voltage	240V dc/ac RMS	Contact Resistance	20 mohm max.
PC Tail	Glass-filled thermoplastic, UL94V-0	Insulation Resistance	100 Mohm min @ 500Vdc
Crimp Mouldings	Glass-filled thermoplastic, UL94V-0	Pitch	2mm
Durability	500 operations	Operating Temp.	-55° to 125° / 56 days @ 95% RH

Mix-Tek Female Crimp / Male Vertical PC Tail Connectors



170-1554

170-1571

155-8149

548766

No. of (Signal + Power)	Mftrs. List No.	Order Code	1+	10+	25+	50+
Female, Crimp, 12AWG						
0+2	M80-4000000F1-02-325-00-000	170-1552				
0+4	M80-4000000F1-04-325-00-000	170-1553				
0+6	M80-4000000F1-06-325-00-000	189-5196				
0+8	M80-4000000F1-08-325-00-000	189-5197				
0+10	M80-4000000F1-10-325-00-000	189-5198				
4+2	M80-4C10405F1-02-325-00-000	170-1556				
6+2	M80-4C10605F1-02-325-00-000	170-1558				
6+4	M80-4C10605F1-04-325-00-000	170-1559				
8+2	M80-4C10805F1-02-325-00-000	170-1560				
Female, Crimp, 16AWG						
6+4	M80-4D10642F1-00-000-04-327	155-8151				
0+6	M80-4000000F1-06-327-00-000	155-8152				
Male, Vertical PC Tail, with Jackscrews						
0+2	M80-5000000M1-02-331-00-000	170-1565				
0+4	M80-5000000M1-04-331-00-000	170-1566				
4+2	M80-5T10405M1-02-331-00-000	170-1569				
6+2	M80-5T10605M1-02-331-00-000	170-1571				
8+2	M80-5T10805M1-02-331-00-000	170-1573				
Male, Vertical PC Tail, with 3.5 mm Board-Mount Jackscrews						
0+2	M80-5000000M2-02-331-00-000	189-5191				
0+4	M80-5000000M2-04-331-00-000	189-5192				
0+6	M80-5000000M2-06-331-00-000	189-5193				
0+8	M80-5000000M2-08-331-00-000	189-5194				
0+10	M80-5000000M2-10-331-00-000	189-5195				
2+2	M80-5T10205M2-02-331-00-000	189-5200				
2+4	M80-5T10205M2-04-331-00-000	189-5201				
4+2	M80-5T10405M2-02-331-00-000	189-5202				
4+4	M80-5T10405M2-04-331-00-000	189-5203				
6+4	M80-5T10605M2-04-331-00-000	189-5204				
8+4	M80-5T10805M2-04-331-00-000	189-5206				
Male, Vertical PC Tail, with 5.0 mm Board-Mount Jackscrews						
0+2	M80-5000000M3-02-332-00-000	189-5207				
0+4	M80-5000000M3-04-332-00-000	189-5208				
0+6	M80-5000000M3-06-332-00-000	155-8150				
0+8	M80-5000000M3-08-332-00-000	189-5209				
0+10	M80-5000000M3-10-332-00-000	189-5210				



495-931

495-943

495-967



941-5351

Datamate tooling for L-Tek, J-Tek and Mix-Tek series.

548792

Description	Mftrs. List No.	Order Code	Price Each
Hand Crimp Tool	M22520/2-01	495-931	1+
Positioner	T5747F	495-943	
Insertion Removal Tool	Z80-280	941-5351	
Separator Tool	T5746F	495-967	

Datamate Trio-Tek 2mm High Reliability Connectors

Datamate Trio-Tek

Features and Specifications

- Suited for use in environments where high vibration, shock and extreme temperatures are a consideration
- Professional Connector System at commercial prices
- Complies with BS9525-F0033/Mil C 55302/CECC 75101-008
- Proven history in Mil/Aero applications
- Ideal for COTS applications
- Mates with Male J-Tek Datamate Connectors
- RoHS Compliant per Harwin documentation

548784

Specifications:-

Working Voltage	240V dc/ac RMS	Contact Resistance	20 mohm max.
Male Contacts	Phosphor Bronze	Insulation Resistance	100 Mohm min @ 500Vdc
SMT Mouldings	Moulding Polyamide 46 UL9V-0	Pitch	2mm
Crimp Mouldings	Glass-filled thermoplastic, UL94V-0	PC Tail	Glass-filled thermoplastic, UL94V-0
Durability	500 operations	Operating Temp.	-55° to 125° / 56 days @ 95% RH

Datamate Trio-Tek High Reliability Connectors

Datamate Trio-Tek

2mm Pitch

Trio-Tek DIL Female Crimp Housings

Double Row



With Hex Slotted Jackscrews

With 101Lok Jackscrews

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
With Hex Slotted Jackscrews						
6	M80-4550698	166-7049				
8	M80-4550898	166-7050				
10	M80-4551098	166-7052				
12	M80-4551298	166-7053				
14	M80-4551498	171-3736				
20	M80-4552098	171-3737				
26	M80-4552698	171-3738				
With 101Lok Jackscrews						
26	M80-4592698	171-3769				
34	M80-4593498	171-3770				

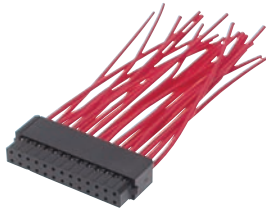
Contacts

548794

AWG	Mftrs. List No.	Order Code	10+	100+	500+	1K+
Order Multiple=10						
Price Each						
22-24	M80-2830045	166-7043				
26-28	M80-2840045	166-7044				

L-Tek Trio-Tek Socket Housing

Double Row



- Crimp housing
- Max. current rating: 3 A
- Housing colour: Black
- Durability: 400 cycles

NEW

627209

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
4	M80-6910498	186-5399				
6	M80-6910698	186-5400				
8	M80-6910898	186-5401				
10	M80-6911098	186-5402				
12	M80-6911298	186-5403				
14	M80-6911498	186-5404				
16	M80-6911698	186-5405				
18	M80-6911898	186-5406				
20	M80-6912098	186-5408				
26	M80-6912698	186-5409				
34	M80-6913498	186-5410				

L-Tek Trio-Tek Socket Housing

Single Row



- Crimp housing
- Max. current rating: 3 A
- Housing colour: Black
- Durability: 400 cycles

NEW

621990

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
Single Row						
2	M80-6900298	186-5392				
3	M80-6900398	186-5393				
4	M80-6900498	186-5394				
5	M80-6900598	186-5395				
6	M80-6900698	186-5396				
7	M80-6900798	186-5397				
17	M80-6901798	186-5398				

Tooling



166-7054



166-7055

Datamate tooling for Trio-Tek series.

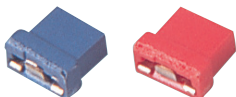
548796

Description	Mfrs. List No.	Order Code	Price Each
Hand Crimp Tool	Z80-255	166-7054	1+
Removal Tool	Z80-258	166-7055	1+

2.0mm Pitch Jumper Sockets

Available in 3 Colour Options

HARWIN



- Gold plated
- End and side stackable
- High pressure contact
- Tapered entry for pin insertion
- Open top for test probes

H=3.5, W=3.9, D=1.95

Current rating	2A @ 25°C	Housing	Glass Filled Thermoplastic UL94V-0
Contact resistance	30mΩ max.	Contacts	Beryllium Copper, Gold plated
Temperature range	-40°C to +85°C	Mating cycles	300
Insertion/Withdrawal force	4.5N/0.6N		

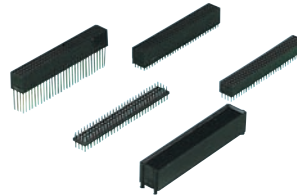
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25 Per Pack		Price Per Pack					
Colour	Mfrs. List No.	Order Code	1+	5+	10+	50+	100+
Blue	M22-1910005	510-920					
Black	M22-1900005	510-932					
Red	M22-1920005	510-944					

2.0mm Pitch PC/104+ Connectors

HARWIN

Bus Connectors



- 120 way 4 rows of 30 contacts
- Combined with PC/104 supports PCI Bus

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

Current rating	1A	Housings	High Temperature Nylon UL94V-0
Voltage proof	500V ac	Contacts	Phosphor Bronze
Contact resistance	20mΩ max.	Finish	Gold over Nickel
Insulation resistance	MΩ min.	Average insertion force	103.2g (1N) per contact
Temperature range	-40°C to +105°C	Average withdrawal force	81.9g (0.8N) per contact

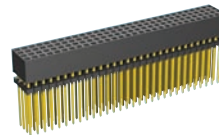
219785

Mfrs. List No.	Order Code	1+	10+	100+
M22-6003005	360-004			
M22-6013005	360-030			
M22-6023042	124-9051			
M22-6033042	124-9052			
M22-6043098	360-132			

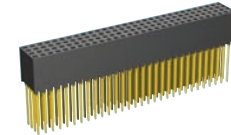
PC/104+ Sockets

ESQT / PTHF Series

samtec



175-3928 - 175-3929



175-3931 - 175-3932

- Quad Row, 2.0 x 2.0mm Grid Spacing
- Tiger Buy contacts
- Stackthrough or Non-Stackthrough tail lengths
- Press-Fit or solder tails

Specifications:-	Phosphor Bronze	Contact Plating	Gold
Contact Material	2A	Contact Resistance	10mohm
Current Rating	4	No. of Ways	120
No. of Rows	100	Insulator Material	LCP (ESQT) / High Temp. Nylon (PTHF)
No. of Mating Cycles	-55°C to 125°C		
Operating Temp.			

546762

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
Stackthrough, Solder Tail - Length 12.24mm							
120	ESQT-130-02-GF-Q-368	175-3928					
Non-Stackthrough, Solder Tail - Length 2.29mm							
120	ESQT-130-03-M-Q-368	175-3929					
Stackthrough, Press-Fit Tail - Length 21.59mm							
120	PTHF-130-02-GF-Q-368	175-3931					
Non-Stackthrough, Press-Fit Tail - Length 3.0mm							
120	PTHF-130-03-M-Q-368	175-3932					
Tail Shroud							
	ATS-30-Q	175-3930					

2.5mm Pitch KK Connectors

KK® Crimp Terminal

molex



Wire Size	mm ²	AWG	Insulation Diameter	Engineering No.	Mfrs. List No.
0.055-0.336	22-30	0.062-1.57	4809	08-50-0032	

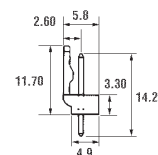
209412

Pack Quantity	Order Code	1+	5+	10+
100	977-3789			
1000	973-1474			

KK® Square Pin Headers (with Friction Lock)

2.50mm Pitch

molex



PCB hole dia. = 1.19±0.05

2.5mm Pitch KK Connectors - continued

KK® Square Pin Headers (with Friction Lock) - continued

2.50mm Pitch - continued

Mfrs. List No. 22-04-1xx1 = Straight Header 5045A = Straight Header
 22-05-1xx2 = 90° Header 5046A = 90° Header
 where xx = No. of ways

209425

No. of Ways	Order Code	Price Each			
		10+	100+	250+	500+
Order Multiple=10					
Straight Header					
2	973-0940				
3	973-0958				
4	973-0966				
5	112-5141				
6	973-0974				
7	997-9441				
8	973-0982				
9	997-9450				
10	973-0990				
12	112-5142				
15	997-9468				
Order Multiple=5					
2	973-1008				
3	973-1016				
4	973-1024				
5	973-2594				
6	973-1032				
8	973-1040				
10	973-1067				
12	973-2608				

Crimp Tool for 2.5mm and 2.54mm Terminals



- Suitable for crimping KK® terminals 2.54mm 22-30 AWG, SPOX™ 2.50mm Wire-to-Wire male crimp terminals 22-28AWG
- Right and Left handed applications

209414

Tool Type	Mfrs. List No.	Order Code	Price Each
Ratchet	63811-8200	163-0513	1+

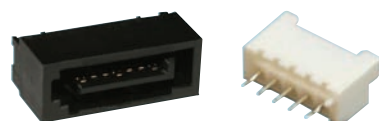
2.5mm Pitch Connectors

Economy Power Wire to Board

2.5mm Pitch



NEW



Economy Power connectors are designed for secondary power circuit applications. During mating, the positive locking lever on the outside of the plug housing engages the mating header housing to provide for greater retention. The slim, straight, post headers are stackable end-to-end for greater flexibility when designing pc board configurations.

- Vertical, through hole headers
- Voltage rating: 250 V AC
- Contact plating: Tin
- Current rating: 7.5 A

616454

No. of ways	Mfrs. List No.	Order Code	Price Each			
			10+	25+	50+	100+
Receptacle - Housing						
2	2110992-2	181-6528				
3	2110992-3	181-6529				
4	2110992-4	181-6530				
5	2110992-5	181-6531				
6	2110992-6	181-6532				
7	2110992-7	181-6533				
8	2110992-8	181-6534				
9	2110992-9	181-6535				
10	1-2110992-0	181-6493				
11	1-2110992-1	181-6495				
12	1-2110992-2	181-6496				
13	1-2110992-3	181-6497				
14	1-2110992-4	181-6498				
15	1-2110992-5	181-6499				

No. of ways	Mfrs. List No.	Order Code	Price Each			
			10+	25+	50+	100+
Receptacle - Housing						
16	1-2110992-6	181-6501				
17	1-2110992-7	181-6502				
18	1-2110992-8	181-6503				
19	1-2110992-9	181-6504				
20	2-2110992-0	181-6555				
Header - Guided						
2	2132230-2	181-6537				
3	2132230-3	181-6538				
4	2132230-4	181-6539				
5	2132230-5	181-6540				
6	2132230-6	181-6541				
7	2132230-7	181-6542				
8	2132230-8	181-6543				
9	2132230-9	181-6544				
10	1-2132230-0	181-6505				
11	1-2132230-1	181-6506				
12	1-2132230-2	181-6507				
13	1-2132230-3	181-6508				
14	1-2132230-4	181-6509				
15	1-2132230-5	181-6510				
16	1-2132230-6	181-6511				
17	1-2132230-7	181-6513				
18	1-2132230-8	181-6514				
19	1-2132230-9	181-6515				
20	2-2132230-0	181-6556				
Header						
2	2132415-2	181-6545				
3	2132415-3	181-6546				
4	2132415-4	181-6547				
5	2132415-5	181-6549				
6	2132415-6	181-6551				
7	2132415-7	181-6552				
8	2132415-8	181-6553				
9	2132415-9	181-6554				
10	1-2132415-0	181-6516				
11	1-2132415-1	181-6517				
12	1-2132415-2	181-6518				
13	1-2132415-3	181-6519				
14	1-2132415-4	181-6520				
15	1-2132415-5	181-6521				
16	1-2132415-6	181-6522				
17	1-2132415-7	181-6523				
18	1-2132415-8	181-6525				
19	1-2132415-9	181-6526				
20	2-2132415-0	181-6557				
Contact						
AWG Size	Order Code	100+	500+	1K+	2K+	
26 - 22 AWG	2110989-1	181-6527				

2.5mm Crimp Terminal Housings

2318HB Series



- Pitch: 2.5mm
- Flammability Rating: UL94V-0
- Operating Temperature: -40°C to 85°C
- Application Wire: 22-28 AWG
- Mates with 2317SB & 2317RB series

Specifications:-

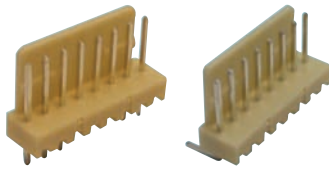
Current Rating	3A	Voltage Rating	250V AC/DC
Withstanding Voltage	1000V AC (1 min.)	Contact Resistance	20mohm
Insulation Resistance		Contact Material	Phosphor Bronze
Contact Plating	Tin	Insulator Material	Nylon 6.6

532333

No. of Ways	Order Code	Price Each			
		100+	8K+	500+	1K+
2	169-7893				
3	169-7895				
4	169-7896				
5	169-7897				
6	169-7898				
8	169-7899				
10	169-7901				
12	169-7902				
Crimp Pin		100+	8K+		
24 - 28AWG	169-7920				
Crimp Tool		1+			
18 - 30AWG	162-4832				

2.5mm Square Pin Headers

2317SB / 2317RB Series



- Pitch: 2.5mm
- Orientation: Vertical / Right Angle
- Flammability Rating: UL94V-0
- Operating Temperature: -40°C to 85°C

Specifications:-

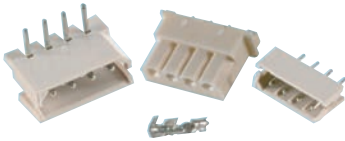
Current Rating	3A	Voltage Rating	250V AC/DC
Withstanding Voltage	1000V AC (1 min.)	Contact Resistance	20mohm
Insulation Resistance		Contact Material	Copper Alloy
Contact Plating	Tin	Insulator Material	Nylon 6.6

528657

No. of Ways	Order Code	Price Each				
		10+	100+	250+	500+	1K+
Vertical						
2	169-7903					
3	169-7904					
4	169-7905					
5	169-7906					
6	169-7907					
8	169-7908					
10	169-7909					
12	169-7910					
Right Angle						
2	169-7911					
3	169-7913					
4	169-7914					
5	169-7915					
6	169-7916					
8	169-7917					
10	169-7918					
12	169-7919					

2.5mm Pitch Spox™ Connectors

Receptacles and Headers



- Low-profile design accommodates height constraints
- Fully shrouded housing to protect contacts
- 2 to 10 ways
- Friction lock
- UL and CSA approved

Mfrs. List No. Crimp housing = 50375xx3, Vertical header = 22035xx5, R/A header = 22057xx5, where xx=No. of ways

Maximum voltage	250V ac	Temperature range	-40°C to +105°C
Maximum current	3A	Body material	Glass-filled PA Polyamide (Nylon) 6/6

418942

Order Multiple=10	No. of Ways	Order Code	Price Each		
			10+	100+	250+
Crimp Housing					
	2	997-9549			
	3	997-9557			
	4	997-9565			
	5	997-9573			
	6	997-9581			
	8	997-9590			
Vertical Header					
	2	997-9611			
	3	997-9620			
	4	110-4204			
	5	997-9638			
	6	997-9646			
90° Header					
	2	997-9670			
	4	997-9697			
	5	997-9700			
	6	997-9719			
Order Multiple=					
	Crimp contacts		Price Per Pack of 100		
	08-70-1040	997-9530	1+	5+	10+

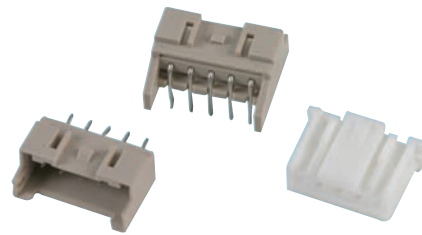


TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

XA Connector Series

Disconnectable Crimp style



- 2.5mm pitch single in line profile
- Locking device
- Solder crack prevention
- Low insertion force
- Insertion guide mechanism

Current Rating	3A ac/dc	Contact Resistance	10mohm
Voltage Rating	250V ac/dc	Insulation Resistance	1000Mohm
Withstanding Voltage	1000VAC/1min.	PC board Thickness	1.6mm
Housing	Nylon 6.6, UL94V-0, Natural (White)		
Contacts	Phosphor BronzeTin		
Temperature Range	-25°C to 85°C		

Wire mm ²	Size AWG	Insulation Dia. O.D. (mm)	Mfrs. List No.	Order Code
0.08 - 0.33	28 - 22	1.2 - 1.9	BXA-001T-P0.6	735-6145

348810

Order Multiple=10

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			10+	100+	250+	500+
Standard housing						
2	XAP-02V-1	735-6064				
3	XAP-03V-1	735-6080				
4	XAP-04V-1	735-6099				
5	XAP-05V-1	735-6102				
6	XAP-06V-1	735-6110				
7	XAP-07V-1	735-6129				
8	XAP-08V-1	735-6137				
Standard Housing with Panel Locks						
2	XARR-02V	206-5455				
3	XARR-03V	206-5456				
4	XARR-04V	206-5457				
5	XARR-05V	206-5458				
6	XARR-06V	206-5461				
7	XARR-07V	206-5462				
8	XARR-08V	206-5463				

Standard Housing with Panel Locks

2	XARR-02V	206-5455				
3	XARR-03V	206-5456				
4	XARR-04V	206-5457				
5	XARR-05V	206-5458				
6	XARR-06V	206-5461				
7	XARR-07V	206-5462				
8	XARR-08V	206-5463				

Shrouded Header - Top Entry

2	B02B-XASK-1 (LF) (SN)	949-2062				
3	B03B-XASK-1 (LF) (SN)	949-2070				
4	B04B-XASK-1 (LF) (SN)	949-2089				
5	B05B-XASK-1 (LF) (SN)	949-2097				
6	B06B-XASK-1 (LF) (SN)	949-2100				
7	B07B-XASK-1 (LF) (SN)	949-2119				
8	B08B-XASK-1 (LF) (SN)	949-2127				

Shrouded Header - Side Entry

2	S02B-XASS-1 (LF) (SN)	949-2135				
3	S03B-XASK-1 (LF) (SN)	949-2143				
4	S04B-XASK-1 (LF) (SN)	949-2151				
5	S05B-XASK-1 (LF) (SN)	949-2160				
6	S06B-XASK-1 (LF) (SN)	949-2178				
8	S08B-XASK-1 (LF) (SN)	949-2194				

Order Multiple=10		10+	100+	250+	500+
Crimp contacts	735-6145				
Order Multiple=1		1+			
Crimp tool	WC-692	145-3596			

XH Connector

2.5mm



- Original folded beam contact
- Box-shaped shrouded header
- Header with a boss prevents improper PCB insertion
- Very small mounting height 9.8mm

Current Rating	3A ac/dc	Contact Resistance	20m Ω
Voltage Rating	250V ac/dc	Insulation Resistance	800M Ω
Withstanding Voltage	1000V/1min.	Operating Temperature	-25°C to 85°C
Contacts	Phosphor Bronze, Tin Plated		

2.5mm Pitch Connectors - continued

XH Connector - continued

2.5mm - continued

494256

Order Multiple = 10

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			5+	50+	100+	500+
Housing						
2	XHP-2	151-6264				
3	XHP-3	151-6265				
4	XHP-4	151-6266				
5	XHP-5	151-6268				
6	XHP-6	151-6269				
7	XHP-7	151-6270				
8	XHP-8	151-6271				
9	XHP-9	151-6272				
10	XHP-10	151-6273				
11	XHP-11	151-6274				
12	XHP-12	151-6275				

Vertical Header

2	B2B-XH-A (LF)(SN)	151-6276				
3	B3B-XH-A (LF)(SN)	151-6277				
4	B4B-XH-A (LF)(SN)	151-6278				
5	B5B-XH-A (LF)(SN)	151-6281				
6	B6B-XH-A (LF)(SN)	151-6282				
7	B7B-XH-A (LF)(SN)	151-6283				
8	B8B-XH-A (LF)(SN)	151-6284				
9	B9B-XH-A (LF)(SN)	151-6285				
10	B10B-XH-A (LF)(SN)	151-6286				
11	B11B-XH-A (LF)(SN)	151-6287				
12	B12B-XH-A (LF)(SN)	151-6288				

90° Header

2	S2B-XH-A (LF)(SN)	151-6289				
3	S3B-XH-A (LF)(SN)	151-6290				
4	S4B-XH-A (LF)(SN)	151-6291				
5	S5B-XH-A (LF)(SN)	151-6293				
6	S6B-XH-A (LF)(SN)	151-6294				
7	S7B-XH-A (LF)(SN)	151-6295				
8	S8B-XH-A (LF)(SN)	151-6296				
9	S9B-XH-A (LF)(SN)	151-6297				
10	S10B-XH-A (LF)(SN)	151-6298				
12	S12B-XH-A (LF)(SN)	151-6300				

Order Multiple = 100

100+ 500+ 1K+ 2K+

Crimp Terminal	BXH-001T-P0.6	151-6301				
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Order Multiple = 1

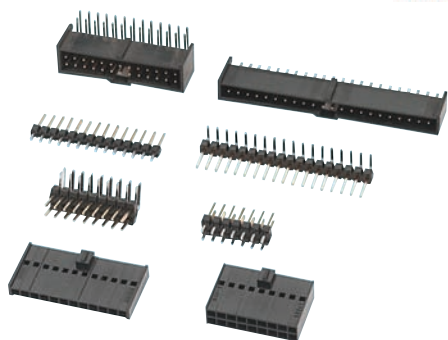
1+

Hand Tool	WC-110	151-6302				
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2.54mm Pitch Pin Headers and Sockets

C-Grid III™ 2.54mm Pitch Wire-to-Board

molex



- Versatile 2.54mm pitch modular interconnection system
- Meets **DIN41651** and **HE13/14** standards
- Fully intermateable/interchangeable with Molex QF50 product range
- Not for use with Molex C-Grid SL components
- **UL & CSA** Approved
- **UL** recognised

Voltage	350V	Temperature	-55°C to 105°C
Current	3A		-55°C to 105°C
Contact resistance	20mΩ max		
Insulation resistance	MΩ min		
Headers	Polyphenylene Oxide UL94V-1		
Housings	Polyphenylene Oxide UL94V-1		

Series	Description	Series	Description
90119	Crimps	90142	Dual row housing with friction lock
90123	Single row housings with 2 polarising lugs	90120	Single row vertical headers
90156	Single row housings with friction lock	90121	Single row right angled headers

Series	Description	Series	Description
90131	Dual row straight headers		
90122	Dual row right angled headers	90130-1***	Dual row vertical shrouded headers with friction lock
90059	Shunts		
90136	Single row vertical shrouded headers with friction lock		

209512

Housings

Order Multiple=5

Price Each

No. of ways Order Code 5+ 10+ 50+ 100+

90123 Series - Single Row Housing - 2 Polarising Lugs

2	329-1327				
3	329-1339				
4	329-1340				
6	329-1352				
8	329-1364				
10	329-1376				
20	329-1420				

90156 Series - Single Row Housing - Friction Lock

2	329-1443				
3	329-1455				
4	329-1467				
6	329-1479				
8	329-1480				
10	329-1492				
12	329-1509				
15	329-1522				

90142 Series - Dual Row Housing - Friction Lock

6	329-1560				
8	329-1571				
10	329-1583				
12	329-1595				
14	329-1601				
16	329-1613				
18	329-1625				
20	329-1637				
24	329-1650				
26	329-1662				
30	329-1674				

Headers - Single Row

90120 Series - Single Row Vert Headers

2	973-3302				
3	973-3310				
4	973-3329				
6	973-3337				
8	973-3345				
10	973-3353				
18	973-3396				
20	973-3400				
24	973-3434				

90121 Series - Single Row RA Header

2	973-3442				
3	973-3450				
4	973-3469				
6	973-3477				
8	973-3485				
10	973-3493				
12	973-3507				
14	973-3515				
20	973-3540				
24	973-3566				

Headers - Dual Row

Order Multiple=2

Price Each

No. of ways Order Code 2+ 10+ 50+ 100+

90131 Series - Dual Row - Straight

6	973-3574				
8	973-3582				
10	973-3590				
12	973-3604				
14	973-3612				
16	973-3620				
20	973-3647				
24	973-3663				
26	973-3671				
30	973-3680				

90122 Series - Dual Row - RA

6	329-2060				
8	973-3698				
12	973-3710				
14	973-3728				
16	973-3736				

Headers - Dual Row

No. of ways	Order Code	Price Each			
		2+	10+	50+	100+

90122 Series - Dual Row - RA					
20	973-3744				
22	329-2149				
30	973-3779				

Shrouded Headers

90136 Series - Single Row Vert Friction Lock					
2	973-3795				
3	973-3809				
4	973-3817				
6	973-3825				
8	973-3833				
10	973-3841				
12	973-3850				
15	973-3868				
18	329-2277				
30	329-2290				

90130-1*** Series - Dual Row Vertical Friction Lock					
6	973-3884				
8	973-3892				
10	973-3906				
12	973-3914				
14	973-3922				
16	973-3930				
18	973-3949				
20	973-3957				
24	973-3965				
26	973-3973				
30	973-3981				

90130-0*** Series - Dual Row RA Friction Lock					
6	973-3990				
8	973-4007				
10	973-4015				
12	973-4023				
14	973-4031				
16	973-4040				
20	973-4066				
24	329-2496				
30	973-4082				

230655

Order Multiples = 20

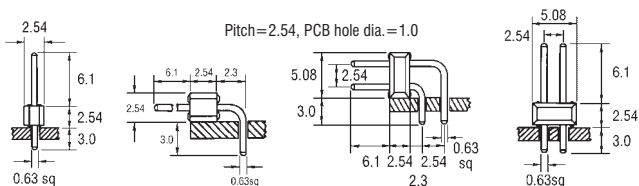
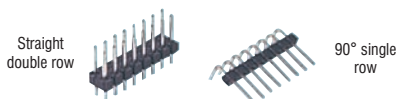
Mftrs.		Price Each				
List No.	Description	Order Code	20+	60+	240+	480+

Crimps					
90119-2110	2224	973-3272			
90119-2121	2628	973-3280			
15-04-0292		973-3299			

Order Multiple = 1

Tooling		1+
69008-0003	Extraction tool	329-2538
69008-0140	Insertion Tool	329-2540
63819-0200	Crimp Tool, 22-28 AWG	169-8816

Pin Headers - Tin Plated



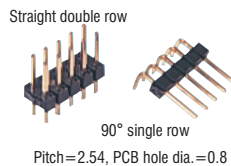
Mftrs List Nos.:
 Straight=M20-999xx06, double row=M20-998xx06, where xx = No. of ways
 90° single row=M20-996xx06, double row=M20-995xx06, where xx = No. of ways

209424

No. of Ways	Order Code	Price Each				
		10+	20+	50+	100+	250+
Straight Single Row						
2	102-2247					
3	102-2249					
4	102-2251					
5	102-2253					
6	102-2255					

No. of Ways	Order Code	Price Each					
		10+	20+	50+	100+	250+	500+
Straight Single Row							
8	102-2257						
10	102-2261						
20	102-2262						
Order Multiple = 1		1+	20+	50+	100+	250+	500+
36	102-2264						
Straight Double Row							
Order Multiple = 10		10+	20+	50+	100+	250+	500+
3+3	102-2231						
4+4	102-2233						
5+5	102-2236						
6+6	102-2238						
8+8	102-2240						
10+10	102-2242						
Order Multiple = 1		1+	25+	50+	100+	250+	500+
36+36	102-2244						
90° Single Row							
36	102-2225						
90° Double Row							
36+36	102-2223						

Pin Headers - Gold Plated



For dimensional information see tin plated headers above
 Mftrs. List No.:
 Straight single row = M20-999xx05,
 double row = M20-998xx05,
 90 single row = M20-996xx05,
 double row = M20-995xx05,
 where xx = No. of ways

209426

No. of Ways	Order Code	Price Each					
		10+	20+	50+	100+	250+	500+
Straight Single Row							
Order Multiple = 10							
2	102-2245						
3	102-2248						
4	102-2250						
5	102-2252						
6	102-2254						
8	102-2256						
10	102-2259						
Order Multiple = 1		1+	25+	50+	100+	250+	500+
36	102-2263						
Straight Double Row							
Order Multiple = 10		10+	20+	50+	100+	250+	500+
3+3	102-2230						
4+4	102-2232						
5+5	102-2235						
6+6	102-2237						
8+8	102-2239						
10+10	102-2241						
Order Multiple = 1		1+	25+	50+	100+	250+	500+
36+36	102-2243						
90° Single Row							
36	102-2224						
90° Double Row							
36+36	102-2221						

Pin Headers - Gold Plated



Surface Mount



Current Rating	3 A	Contact Resistance	25 mΩ	Contact Material	Brass
Working Voltage	120 V	Durability	500	Contact Plating	Gold

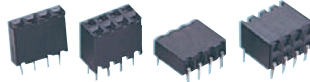
496145

Order Multiple = 10		Order Code		Price Each		
No. of Ways	Part No.	10+	20+	50+	100+	250+
3	M20-8770342	151-7381				
4	M20-8770442	151-7382				
5	M20-8770542	151-7383				
6	M20-8770642	151-7384				
8	M20-8770842	151-7385				
10	M20-8771042	151-7386				
2 x 5	M20-8760542	151-7390				
2 x 8	M20-8760842	151-7392				
2 x 10	M20-8761042	151-7393				

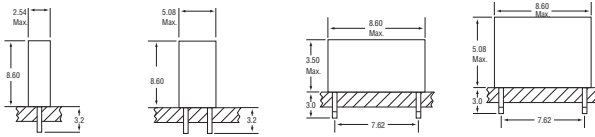
2.54mm Pitch Pin Headers and Sockets - continued



Sockets - Tin Plated



Pitch=2.54, PCB hole dia.=0.8



● Twin beam contact for cost effective reliability

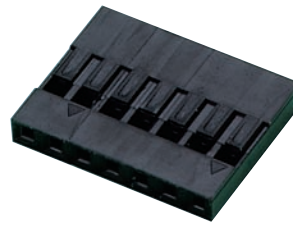
Mfrs. List No.:

Top entry single row = M20-782xx46, double row = M20-783xx46, where xx = No. of ways
 Side entry single row = M20-789xx46, double row = M20-788xx46, where xx = No. of ways
 Bottom entry single row = M20-784xx42, double row = M20-785xx42, where xx = No. of ways
 Bottom entry SMT single row = M20-786xx42, double row = M20-787xx42, where xx = No. of ways

209427

No. of Ways	Order Code	Price Each				
		1+	20+	50+	100+	250+
Top Entry Single Row						
Order Multiple=10						
2	799-1916					
3	799-1924					
4	799-1932					
5	799-1940					
10	799-1959					
Order Multiple=1						
20	799-1967	1+	25+	50+	100+	250+
Top Entry Double Row						
Order Multiple=10						
2+2	799-1975					
3+3	799-1983					
4+4	799-1991					
5+5	799-2009					
8+8	799-2017					
Order Multiple=1						
10+10	799-2025	1+	25+	50+	100+	250+
20+20	799-2033					
Side Entry Single Row						
Order Multiple=10						
2	799-2041	10+	20+	50+	100+	250+
3	799-2050					
4	799-2068					
5	799-2076					
6	799-2084					
8	799-2092					
10	799-2106					
Order Multiple=1						
20	799-2114	1+	25+	50+	100+	250+
Side Entry Double Row						
Order Multiple=1						
3+3	799-2122	1+	25+	50+	100+	250+
4+4	799-2130					
5+5	799-2149					
6+6	799-2157					
8+8	799-2165					
10+10	799-2173					
20+20	799-2181					
Bottom Entry Single Row						
Order Multiple=1						
10	125-6654	1+	25+	50+	100+	250+
20	125-6655					
Bottom Entry Double Row						
Order Multiple=1						
10+10	125-6656	1+	25+	50+	100+	250+
20+20	125-6657					
Bottom Entry Single Row - SMT						
Order Multiple=1						
20	125-6661	1+	25+	50+	100+	250+
Bottom Entry Double Row - SMT						
Order Multiple=1						
10+10	125-6662	1+	25+	50+	100+	250+
20+20	125-6663					

Crimp Terminal Housings



Mfrs. List No. Single row=M20-106xx00, double row M20-107xx00, where xx=No. of ways

Pitch=2.54, H=14

209384

Order Multiple=10

No. of Ways	Order Code	Price Each				
		10+	20+	50+	100+	250+
Single Row						
2	865-606					
3	865-618					
4	865-620					
5	865-631					
6	865-643					
7	865-655					
8	865-667					
10	865-679					
12	865-680					
Double Row						
2+2	865-692					
3+3	865-709					
4+4	865-710					
5+5	865-722					
6+6	865-734					
7+7	865-746					
8+8	865-758					
10+10	865-760					
12+12	865-771					

Crimp Terminals and Polarising Keys



- Polarising keys, brass with tin plating
 - Keys click into sockets and crimp housings
- Insulation diameter = 1.7mm max

219771

100 Per Pack

Finish	Wire Size AWG	Mfrs. List No.	Price Per Pack			
			Order Code	1+	5+	10+
Tin	22-30	M20-1180046	102-2220			
Gold	30-22	M20-1180042	102-2219			
Polarising Key		M20-003	512-023			

Crimp Tool



209388

Mfrs. List No.	Order Code	Price Each
Z20-320	889-260	1+

Pin Headers and Sockets



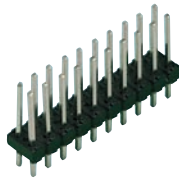
- A range of double row bottom entry sockets and extended pin headers
- Suitable for various applications including vertical stacking pcb's
- Used where space saving is necessary between two boards

Current rating:	1A	Housing:	Black Glass Filled Polyester UL94V-0
Contact resistance:	15mΩ	Contacts:	Phosphor Bronze
Temperature range:	-40°C to +105°C	Plating:	Selective Tin finish
Mating cycles:	300		

209483

Extended Headers

HARWIN



Pitch=2.54mm

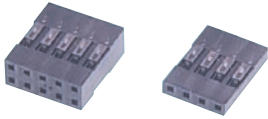
209484

Order Multiple=10

No. of Ways	Mfrs. List No.	Order Code	10+	20+	50+	100+	250+	500+
3+3	M20-9970346	102-2226						
5+5	M20-9970546	102-2227						
8+8	M20-9970846	102-2228						
10+10	M20-9971046	102-2229						

Mini Latch Housing 'Bergcon'

FCI



- For use with highly reliable dual metal Mini-PV contact
- Contact latching in housing
- Available in single and double row versions

2.54mm 2.54mm double row
Material: Black, Modified Polyphenylene Oxide UL94V
Insulation resistance: MΩ min
Temperature range: -40°C to +125°C

209446

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	25+	50+	100+	250+
Single Row							
2	65039-035LF	121-1646					
3	65039-034LF	121-1645					
4	65039-033LF	121-1644					
5	65039-032LF	121-1643					
6	65039-031LF	121-1650					
7	65039-030LF	121-1652					
8	65039-029LF	121-1653					
9	65039-028LF	121-1654					
10	65039-027LF	121-1642					
Double Row							
2+2	65043-035LF	121-1655					
3+3	65043-034LF	121-1656					
4+4	65043-033LF	121-1657					
5+5	65043-032LF	121-1649					
7+7	65043-030LF	121-1648					
8+2	65043-029LF	121-1658					
10+10	65043-027LF	121-1659					

Crimp 'Bergcon'

Terminal

FCI



- Mini PV terminals for use with 'Bergcon' mini latch housing
- Available in gold or tin

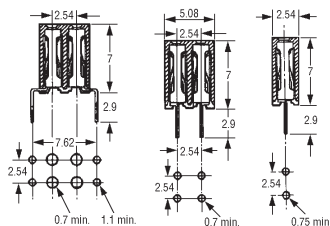
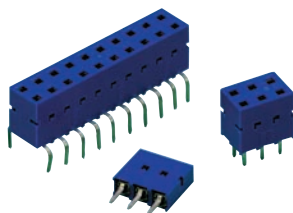
209444

Order Multiple=100

AWG	Mfrs. List No.	Order Code	100+	200+	500+	1K+
28-32 Gold	47711-001LF	109-7976				
22-26 Gold	47745-001LF	109-7977				
22-26 Tin	47750-000LF	109-7978				

Dubox Vertical Card Connectors

FCI



- Low profile (7mm) pcb connector system
- Stackable end to end or side by side
- Top entry single and double row, top/bottom entry double row
- Gold plated contacts
- In accordance with IEC-603-8

Current rating: 3A Max
Withstand voltage: 1000Vrms (sea level)
Insulation resistance: MΩ minimum
Temperature range: -65°C to +125°C

Housing: Glass Filled Polyester UL94V-0
Contacts: Phosphor Bronze, gold plating in accordance with IEC

219782

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
Vertical - Single Row, Top Entry							
3	76341-303LF	109-8033					
4	76341-304LF	109-8034					
5	76341-305LF	109-8035					
6	76341-306LF	109-8036					
7	76341-307LF	109-8037					
8	76341-308LF	109-8038					
9	76341-309LF	109-8039					
10	76341-310LF	109-8040					
11	76341-311LF	109-8042					
12	76341-312LF	109-8043					
14	76341-314LF	109-8045					
15	76341-315LF	109-8046					

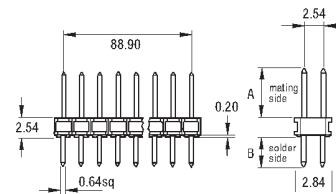
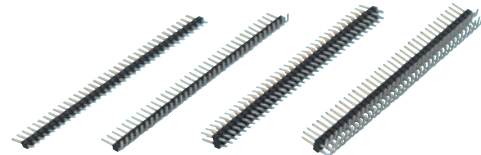
No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
Vertical - Double Row, Top Entry							
2 x 2	76342-302LF	109-8047					
2 x 3	76342-303LF	109-8048					
2 x 4	76342-304LF	109-8049					
2 x 5	76342-305LF	109-8050					
2 x 6	76342-306LF	109-8051					
2 x 7	76342-307LF	109-8052					
2 x 8	76342-308LF	109-8053					
2 x 9	76342-309LF	109-8054					
2 x 10	76342-310LF	109-8055					
2 x 11	76342-311LF	109-7983					
2 x 12	76342-312LF	109-7984					
2 x 13	76342-313LF	109-7985					
2 x 28	76342-314LF	109-7986					
2 x 15	76342-315LF	109-7987					

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
Vertical - Double, Top/Bottom Entry							
2 x 5	71991-305LF	109-7988					
2 x 6	71991-306LF	109-7989					
2 x 7	71991-307LF	109-7990					
2 x 8	71991-308LF	109-7991					
2 x 10	71991-310LF	109-7993					
2 x 13	71991-313LF	109-7995					
2 x 17	71991-317LF	109-7996					
2 x 40	71991-320LF	109-7997					

PCB Pin Strip Headers

Straight and 90° Pins

FCI



Current Rating: 3A Continuous
Housing: High temp thermoplastic UL94V-0
Black
Temperature Range: -65°C to +125°C
Insulation Resistance: MΩ for 1 min
Contacts: Gold or Tin Lead plated
Withstand Voltage: 1500V min
Flammability Rating: UL94V-0

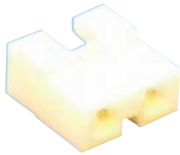
240064

Plating	Mfrs. List No.	Order Code	1+	50+	100+	500+
36 Way Straight						
Tin	77311-401-36LF	109-7954				
Gold	77311-818-36LF	109-7955				
36 Way 90°						
Tin	77315-418-36LF	109-7956				
Gold	77315-818-36LF	109-7958				
72 Way Straight						
Tin	77313-418-72LF	109-7959				
Gold	77313-818-72LF	109-7960				
72 Way 90°						
Tin	77317-404-72LF	109-7961				
Gold	77317-804-72LF	109-7962				

2.54mm Pitch Pin Headers and Sockets - continued

Mini-Jump™ Low Profile Jumpers

2.54mm Centreline - Single Row



- Designed for low power interconnection of two adjacent 0.635mm square pins, free standing or in headers, on 2.54mm centers
- Approvals - CSA, and UL recognised

Specifications:-

Current Rating	2.5A	Voltage Rating	800V AC rms.
Contact Material	Copper Alloy	Contact Plating	Gold / Tin
Housing Material	Glass Filled PBT	Housing Colour	White
Insulation Resistance		Contact Resistance	20mohm
Temperature Range	-55°C to +120°C	Mating Cycles	50 (Gold) / 25 (Tin)

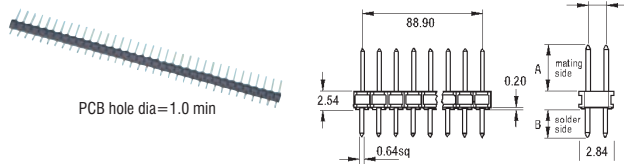
541923

Order Multiple=10

No. of Ways	Contact Plating	Mftrs. List No.	Order Code	10+	50+	100+
2	Gold	68786-202LF	174-0370			
2	Tin	68786-302LF	174-0371			

Headers 'Bergstik'

36 Way Breakaway



- 36 way strip, which can be broken to required length
- Polarise by removal of selected pin(s) using the Bergstik polarising tool

Body:	Black, Glass Filled Polyamide UL94V-0	Order Code	
Temperature range:	-65°C to +125°C		
Contact Rating 4A (max):	Solderability according to IEC		
Pin Length (mm)			
(A) mating/(B) solder			

Straight Single Row	Gold	75160-105-36LF	109-7981	219776
5.72 / 10.16				

Order Code	1+	50+	100+	250+	500+
109-7981					

0.1" Pitch "Mini-Jump" Sockets



- Dual metal contact design
- Excellent retention after high mating cycles
- Mates with 0.64mm square and round pins.

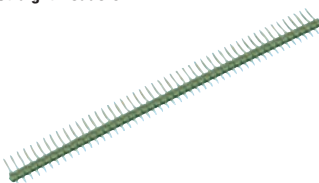
Contacts	Body
Current rating 3A (max)	Glass Filled Thermoplastic Polyester UL94V-0
Contact resistance 12mΩ max	Temp range -65°C to +125°C
H=9.78, W=5.08, D=2.54, Spacing=2.54	

209449

Order Multiple=10

Plating	List No.	Order Code	10+	100+	250+	500+
Gold	65474-001LF	109-7974				
Tin	65474-002LF	109-7975				

Ampmodu II Straight Headers



- Male connector strip, Economy Line
- 2-50 way
- Single and double row
- Grid 2.54 mm with latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing:	Polyester, green UL94V-0
Contact material:	CuSn
Contact surface:	Duplex gold plated: contact area 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni
Rated current per contact:	3A
Test voltage:	2.54mm/1000 V
Volume resistance:	20 mΩ gold plated, 25 mΩ tinned
Temperature range:	-65°C to +105°C

239145

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Single row						
2	825433-2	341-7645				
3	825433-3	341-7657				
4	825433-4	341-7669				
5	825433-5	118-7826				
6	825433-6	118-7827				
8	825433-8	118-7828				
10	1-825433-0	118-7829				
50	5-825433-0	341-7736				
Double row						
2 x 2	825440-2	341-7748				
2 x 3	825440-3	341-7750				
2 x 4	825440-4	341-7761				
2 x 5	825440-5	341-7773				
2 x 7	825440-7	341-7797				
2 x 8	825440-8	341-7803				
2 x 10	1-825440-0	341-7827				
2 x 50	5-825440-0	341-7839				

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
2	825437-2	341-7840				
3	825437-3	341-7852				
4	825437-4	341-7864				
5	825437-5	341-7876				
6	825437-6	341-7888				
7	825437-7	341-7890				
9	825437-9	341-7918				
10	1-825437-0	341-7920				
50	5-825437-0	341-7931				
		825457-3	341-7955			
		825457-4	341-7967			
		825457-5	341-7979			
		1-825457-0	341-8029			
		5-825457-0	341-8030			

Ampmodu II 90° Headers



- Male connector strip, Economy Line right angled
- 2-50 way
- Single and double row
- 2.54 mm grid with latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing:	Polyester, green UL94V-0
Contact material:	CuSn
Contact surface:	Duplex gold plated: contact area 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni
Rated current per contact:	3A
Test voltage:	2.54mm/1000 V
Volume resistance:	20 mΩ gold plated, 25 mΩ tinned
Temperature range:	-65°C to +125°C

239146

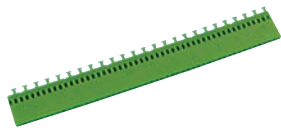
No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Single row						
6	825437-6	341-7888				
10	1-825437-0	341-7920				
50	5-825437-0	341-7931				
Double row						
2 x 3	825457-3	341-7955				
2 x 50	5-825457-0	341-8030				



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Ampmodu IV/V With Intergrated Retention Feature



- Female connector housing for the Ampmodu Economy Line male connector strips
- 2-50 way
- Single and double row
- 2.54 mm grid
- With latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing: Polyester, green **UL94V-0**
 Contact material: CuSn
 Contact surface: Duplex gold plated: contact area 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni
 Rated current per contact: 3A
 Test voltage: 2.54mm/1000 V
 Volume resistance: 20 mΩ gold plated, 25 mΩ tinned
 Temperature range: -65°C to +105°C

239134

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single row						
2	925369-2	341-8042 ●				
3	925369-3	341-8054 ●				
4	925369-4	341-8066 ●				
5	925369-5	341-8078 ●				
6	925369-6	341-8080 ●				
8	925369-8	341-8108 ●				
50	5-925369-0	341-8133 ●				
Double row						
2 x 2	925370-2	341-8145 ●				
2 x 3	925370-3	341-8157 ●				
2 x 4	925370-4	341-8169 ●				
2 x 5	925370-5	341-8170 ●				
2 x 8	925370-8	341-8200 ●				
2 x 50	5-925370-0	341-8236 ●				

Ampmodu II Low Cost Line



- Male connector strips, single row
- 2.54 mm grid
- Gold or tin plated
- Pins 0.63 x 0.63 mm

Housing: Polyester, green **UL94V-0**
 Contact material: CuSn
 Contact surface: Tin plated or selectively gold plated: contact zone 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

239150

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Straight, Gold Plated, 6.7mm contacts						
2	826629-2	341-8285 ●				
3	826629-3	341-8297 ●				
4	826629-4	341-8303 ●				
6	826629-6	341-8327 ●				
8	826629-8	341-8364 ●				
10	1-826629-0	341-8376 ●				
12	1-826629-2	124-8123 ●				
16	1-826629-6	124-8124 ●				
50	5-826629-0	341-8388 ●				
Straight, Tin Plated, 6.7mm contacts						
2	826926-2	124-8140 ●				
3	826926-3	124-8141 ●				
4	826926-4	124-8142 ●				
5	826926-5	124-8143 ●				
6	826926-6	124-8144 ●				
7	826926-7	124-8146 ●				
8	826926-8	124-8147 ●				
9	826926-9	124-8148 ●				
Straight, Tin Plated, 5.8mm contacts						
2	826936-2	124-8149 ●				
3	826936-3	124-8150 ●				
6	826936-6	124-8153 ●				
Right Angled, Gold Plated, 6.7mm contacts						
12	1-826631-2	124-8125 ●				
16	1-826631-6	124-8126 ●				
50	5-826631-0	341-8479 ●				
10	1-825457-0	341-8029 ●				
50	5-825457-0	341-8030 ●				
9	825457-9	341-8017 ●				

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Right Angled, Tin Plated, 6.7mm contacts						
3	826947-3	124-8167 ●				
4	826947-4	124-8168 ●				
5	826947-5	124-8171 ●				
6	826947-6	124-8172 ●				
8	826947-8	124-8174 ●				
Right Angled, Tin Plated, 5.8mm contacts						
2	826949-2	124-8176 ●				
3	826949-3	124-8177 ●				
5	826949-5	124-8179 ●				
6	826949-6	124-8180 ●				

Ampmodu II Low Cost Line



- Male connector strip, double row
- 2.54 mm grid
- Gold or tin plated
- Pins 0.63 x 0.63 mm

Housing: Polyester, green **UL94V-0**
 Contact material: CuSn
 Contact surface: Tin plated or selectively gold plated: contact zone 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

239158

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Straight, Gold Plated, 6.7mm contacts						
2 x 2	826632-2	341-8480 ●				
2 x 3	826632-3	341-8492 ●				
2 x 5	826632-5	341-8510 ●				
2 x 8	826632-8	341-8546 ●				
2 x 10	1-826632-0	341-8558 ●				
2 x 12	1-826632-2	124-8127 ●				
2 x 16	1-826632-6	124-8128 ●				
2 x 50	5-826632-0	341-8560 ●				
Straight, Tin Plated, 6.7mm contacts						
2 x 2	826925-2	124-8131 ●				
2 x 3	826925-3	124-8132 ●				
2 x 4	826925-4	124-8134 ●				
2 x 5	826925-5	124-8135 ●				
2 x 6	826925-6	124-8136 ●				
2 x 7	826925-7	124-8137 ●				
2 x 8	826925-8	124-8138 ●				
2 x 9	826925-9	124-8139 ●				
Straight, Tin Plated, 5.8mm contacts						
2 x 2	826942-2	124-8158 ●				
2 x 3	826942-3	124-8159 ●				
2 x 4	826942-4	124-8160 ●				
2 x 5	826942-5	124-8161 ●				
2 x 6	826942-6	124-8162 ●				
2 x 7	826942-7	124-8163 ●				
2 x 8	826942-8	124-8164 ●				
Right Angled, Gold Plated, 6.7mm contacts						
2 x 5	826634-5	341-8601 ●				
2 x 10	1-826634-0	341-8649 ●				
2 x 24	1-826634-2	124-8129 ●				
2 x 32	1-826634-6	124-8130 ●				
2 x 50	5-826634-0	341-8650 ●				
Right Angled, Tin Plated, 6.7mm contacts						
2 x 2	826953-2	124-8185 ●				
2 x 3	826953-3	124-8186 ●				
2 x 4	826953-4	124-8187 ●				
2 x 5	826953-5	124-8188 ●				
2 x 8	826953-8	124-8191 ●				

Ampmodu IV - Receptacle Housing Without Strain Relief



- Female connector housing for the Ampmodu Low cost Line male connector strips
- 2-50 way
- Single and double row
- 2.54 mm grid
- Pin size 0.63 x 0.63 mm

2.54mm Pitch Pin Headers and Sockets - continued

Ampmodu IV - Receptacle Housing - continued

Without Strain Relief - continued

Male connector housing:	Polyamide, 6.6 green UL94V-HB
	Solder face 2.5 µm Sn on Ni
Rated current per contact:	3A
Test voltage:	2.54mm/1000 V
Volume resistance:	20 mΩ gold plated, 25 mΩ tinned
Temperature range:	-65°C to +105°C

413725

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single row						
2	925366-2	968-9214 ●				
3	925366-3	968-9222 ●				
4	925366-4	968-9230 ●				
5	925366-5	968-9249 ●				
6	925366-6	968-9257 ●				
10	1-925366-0	968-9281 ●				
Double Row						
2 x 2	925367-2	968-9303 ●				
2 x 3	925367-3	968-9311 ●				
2 x 5	925367-5	968-9338 ●				

Crimp Terminals for 'MODU'



9689397

● Tin and gold versions

Wire Size (AWG)	Wire Size (mm ²)	Mftrs. List No.	Order Code
32-28	0.032-0.09	167024-2	968-9427
32-28	0.032-0.09	167024-1	968-9419
26-26	0.12-0.14	141708-1	341-8248
26-26	0.12-0.14	1-0141708-2	968-9435
26-26	0.12-0.14	166310-2	968-9443
26-26	0.12-0.14	166310-3	968-9451

Order Multiple=10	Order Code	Price Each		
		10+	50+	1K+
Intermediate Contact Pressure				
Gold Flash	968-9427 ●			
Gold Flash	968-9419 ●			
Gold Flash	341-8248 ●			
Gold Flash	968-9435 ●			
High Contact Pressure				
Gold Flash	968-9443 ●			
Tin	968-9451 ●			

413727

	Mftrs. List No.	Order Code	Price Each
			1+
Handtool	169481-1	348-3885	
Extraction tool	843473-1	348-3897	

AMP MODU

- An interconnect system utilising a modular concept
- Precision formed crimp contacts and headers on 2.54mm pitch
- Unshrouded breakaway headers, snap-in crimp contact housing and shrouded headers
- Offers a reliable solution to most board to wire interconnection
- Approvals, **CSA**
- **UL** recognised

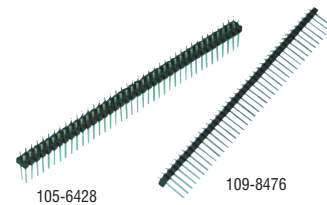
Current rating:	3A	Black thermoplastic Header Post:	Black Thermoplastic UL94V-0
Insulation resistance:		Shrouded Header:	Phosphor bronze, tin over nickel plating
Temperature range:	-65°C to +105°C		Phosphor Bronze
			Tin plating in contact area

209469

FREE GLOBAL LEGISLATION SUPPORT

RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at element14.com/legislation

Unshrouded Breakaway Headers



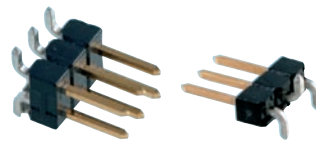
PCB hole dia. = 0.89 ± 0.08

209470

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	50+	100+	500+	1K+
Straight Single Row							
36	8-146274-6	105-6427 ●					
40	4-103321-8	109-8454 ●					
Straight Double Row							
36+36	8-146250-6	105-6428 ●					
40+40	4-103322-2	109-8460 ●					
90° Single Row							
36	8-103323-6	105-6429 ●					
40	4-103323-1	109-8476 ●					
90° Double Row							
36+36	8-103324-6	105-6430 ●					
40+40	9-103324-0	105-6023 ●					

Mod II - Surface Mount Pin Headers

Single and Double row



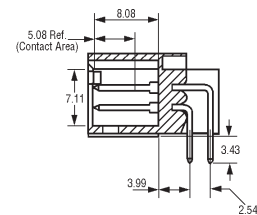
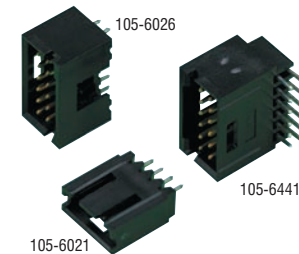
- Male connector strip, single and double row
- 2.54 mm grid
- Pins 0.63 x 0.63 mm
- Supplied with pick and place adaptor
- End stackable

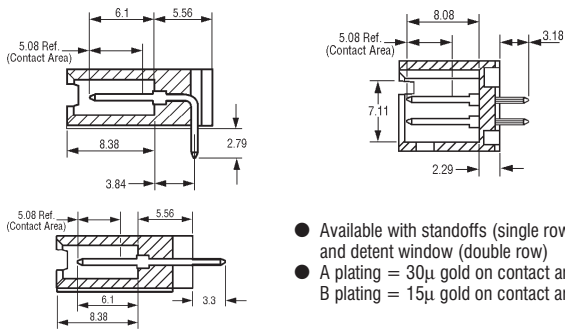
Housing:	PCT Polyester black
Contact material:	Phosphor bronze
Contact surface:	Selectively gold plated: contact zone 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

413734

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single Row						
3	1241150-3	968-9478 ●				
4	1241150-4	968-9486 ●				
5	1241150-5	968-9494 ●				
6	1241150-6	968-9508 ●				
7	1241150-7	968-9516 ●				
8	1241150-8	968-9524 ●				
9	1241150-9	124-8117 ●				
10	1-1241150-0	968-9532 ●				
12	1-1241150-2	968-9540 ●				
Double Row						
2 x 2	1241050-2	968-9559 ●				
2 x 3	1241050-3	968-9567 ●				
2 x 4	1241050-4	968-9575 ●				
2 x 5	1241050-5	968-9583 ●				
2 x 6	1241050-6	968-9591 ●				
2 x 7	1241050-7	968-9605 ●				
2 x 8	1241050-8	968-9613 ●				
2 x 10	1-1241050-0	968-9621 ●				
2 x 12	1-1241050-2	968-9630 ●				

Standard Shrouded Headers



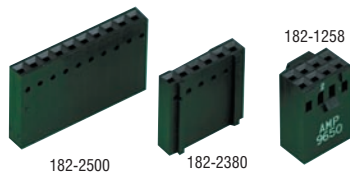


- Available with standoffs (single row) and detent window (double row)
- A plating = 30µ gold on contact area
B plating = 15µ gold on contact area

209471

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	1K+
Straight Single Row - with stand offs - A plating							
3	5-103414-1	105-6042					
4	5-103414-2	105-6043					
6	5-103414-4	105-6044					
8	5-103414-6	105-6045					
10	5-103414-8	105-6046					
12	6-103414-0	105-6047					
Straight Single Row - with stand offs - B plating							
3	8-102202-4	105-6024					
4	5-102202-1	105-6026					
6	5-102202-3	105-6027					
8	5-102202-5	105-6431					
10	5-102202-7	105-6432					
12	5-102202-9	105-6022					
90° Single Row - with stand offs - A plating							
3	5-103361-1	105-6048					
4	5-103361-2	105-6051					
6	5-103361-4	105-6052					
8	5-103361-6	105-6053					
90° Single Row - with stand offs - B plating							
3	3-102203-9	109-8477					
4	3-102203-7	109-8777					
8	5-102203-5	105-6028					
10	5-102203-7	105-6433					
Straight Double Row - with detent window - A plating							
2x3	5-103168-1	105-6056					
2x4	5-103168-2	105-6057					
2 x 5	5-103168-3	105-6058					
2 x 6	5-103168-4	105-6059					
2x8	5-103168-6	105-6060					
Straight Double Row - with detent window - B plating							
2 x 3	5-102618-1	105-6435					
2 x 4	5-102618-2	105-6436					
2 x 5	5-102618-3	105-6437					
2 x 6	5-102618-4	105-6021					
90° Double Row - with detent window - A plating							
2x3	5-103166-1	105-6061					
2x4	5-103166-2	105-6063					
2 x 5	5-103166-3	105-6064					
2x6	5-103166-4	105-6065					
90° Double Row - with detent window - B plating							
2 x 3	5-102617-1	105-6033					
2 x 5	5-102617-3	105-6439					
2 x 6	5-102617-4	105-6441					

Crimp Housings



- Non-polarised for use with unshrouded headers

219778

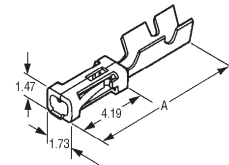
No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	1K+
Single Row - non-polarised							
2	87499-3	183-3200					
3	87499-5	183-3212					
4	87499-7	183-3224					
6	1-87499-1	183-3248					

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	1K+
Single Row - non-polarised							
8	1-87499-3	183-3250					
10	1-87499-7	182-2500					
12	2-87499-1	182-2512					
Double Row - non-polarised							
2 x 2	5-87456-0	973-257					
2 x 3	87456-2	182-0023					
2 x 4	87456-4	973-269					
2 x 5	87456-6	182-0047					
2 x 6	87456-8	973-270					
Single Row - centre polarised/detent							
3	102241-1	182-2573					
4	102241-2	182-2585					
6	102241-4	182-2380					
8	102241-6	182-2408					
10	102241-8	182-2421					
12	1-102241-0	182-2433					
Double Row - end polarised/detent							
2 x 3	87631-2	182-1246					
2 x 4	87631-4	182-1258					
2 x 5	87631-6	182-1260					
2 x 6	87631-8	182-1179					
2 x 8	1-87631-2	182-1192					

Crimp Terminals for 'MODU'



182-5446



- Tin and gold versions

Wire Size (AWG)	Wire Size (mm ²)	Dimension 'A' (mm)	Mfrs. List No.	Order Code
26-22	0.12-0.4	11.3	87756-7	182-3218
26-22	0.12-0.4	11.3	87667-5	973-294
24-20	0.2-0.6	11.94	87523-6	182-5446
24-20	0.2-0.6	11.94	86016-5	973-300
26-22	0.12-0.4	11.3	102128-2	308-8480
24-20	0.2-0.6	11.3	1-87309-3	308-8509
26-22	0.12-0.4	11.3	102128-1	105-6066
24-20	0.2-0.6	11.3	1-87309-4	308-8510

219780

Order Multiple = 10	Order Code	10+	500+	1K+	5K+	10K+
STD Pressure						
Tin plated	182-3218					
Gold	973-294					
Tin plated	182-5446					
Gold	973-300					
High Pressure						
Tin plated	308-8480					
Gold	105-6066					
Tin plated	308-8509					
Gold	308-8510					

Tooling for 'MODU'



209474

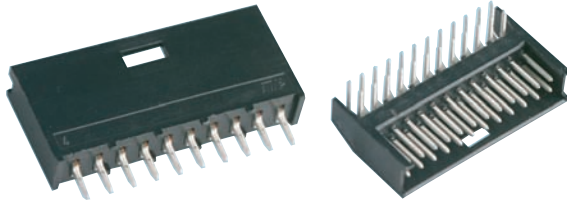
Wire Size AWG	Mfrs. List No.	Order Code	1+
22-26	91517-1	427-6310	
20-24	91516-1	427-6322	
Extraction Tool	166645-1	962-9688	

2.54mm Pitch Pin Headers and Sockets - continued



Shrouded Headers - MODU II

Straight and 90°



Straight Header (968-8714)

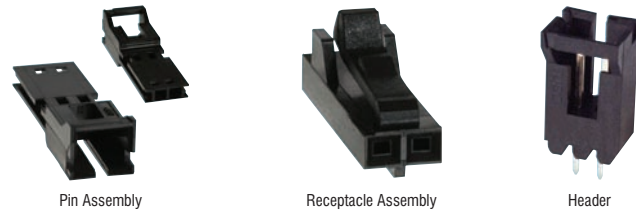
90° Header (120-6792)

- Single or double row configuration
- Positive click for latching
- Pins 0.63 x 0.63 mm, 2.54mm pitch
- Housings are black thermoplastic, flame retardant 94V-0 rated
- Tin or gold plated contacts

373497

No. of Ways	Mftrs. List No	Order Code	Price Each			
			1+	10+	50+	100+
Headers with Tin Plated Contacts - Single Row - Straight						
2	280370-1	177-7019				
4	280371-1	120-6769				
6	280372-1	120-6770				
8	280373-1	120-6772				
10	280374-1	177-7020				
12	280520-1	968-8722				
Single Row - 90°						
2	280377-1	177-7021				
4	280378-1	177-7022				
6	280379-1	177-7023				
8	280380-1	177-7025				
10	280381-1	177-7027				
12	280523-1	968-8773				
Double Row - Straight						
8	280384-1	120-6773				
30	280387-1	968-8757				
16	280385-1	177-7029				
24	280521-1	177-7032				
Double Row - 90°						
8	280389-1	177-7030				
16	280390-1	177-7031				
Headers with 0.4µm Gold Plated Contacts - Single Row - Straight						
2	280370-2	120-6774				
4	280371-2	120-6775				
6	280372-2	120-6776				
8	280373-2	120-6777				
10	280374-2	120-6778				
12	280520-2	968-8714				
15	280375-2	968-8730				
Single Row - 90°						
2	280377-2	120-6787				
4	280378-2	120-6788				
6	280379-2	177-7024				
8	280380-2	120-6789				
10	280381-2	177-7028				
Double Row - Straight						
8	280384-2	120-6779				
16	280385-2	120-6780				
18	280509-2	120-6781				
24	280521-2	120-6782				
30	280387-2	968-8765				
Double Row - 90°						
8	280389-2	120-6790				
16	280390-2	120-6791				

MTE Interconnection System



Pin Assembly

Receptacle Assembly

Header

The AMPMODU MTE Interconnection System consists of single-row housings with contacts preloaded on 2.54mm centers. Housings are furnished with contacts partially inserted, leaving the termination areas exposed. The heart of the system is the insulation displacement contact design, featured in both pin and receptacle contacts.

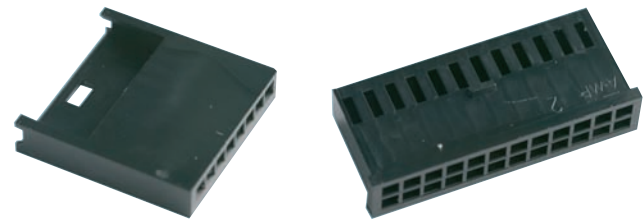
No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	500+
Pin Assemblies - Shrouded - Strip Form Polarized/Latching - Single Row							
2	103653-1	177-7043					
3	103653-2	177-7044					
4	103653-3	177-7045					
5	103653-4	177-7046					
6	103653-5	177-7047					
10	103653-9	177-7049					
Receptacle Assemblies - Strip Form Polarized/Latching - Single Row							
2	104257-1	177-7050					
3	104257-2	177-7052					
4	104257-3	177-7053					
5	104257-4	177-7054					
6	104257-5	177-7055					
8	104257-7	177-7056					
10	104257-9	177-7057					
Headers - Shrouded Polarized/Latching - Single Row							
2	5-104363-1	177-7058					
3	5-104363-2	177-7059					
4	5-104363-3	177-7060					
5	5-104363-4	177-7061					
6	5-104363-5	177-7062					
8	5-104363-7	177-7064					
10	5-104363-9	177-7065					
Headers - Shrouded Latching - Single Row							
2	5-103635-1	177-7066					
4	5-103635-3	177-7068					
5	5-103635-4	177-7069					

601640

Type	AWG	Mftrs. List No.	Order Code	Price Each			
				10+	100+	500+	1K+
Receptacle	26-22	1-104480-6	177-7073				
Pin	26-22	5-104505-7	177-7074				

Crimp Housings - MODU II

Wire to Wire or Wire to Board



Pin Housing Single Row (818-0067)

Receptacle Housing, Double Row (818-0016)

- Wire to wire (pin housing and Receptacle housing) or wire to board (pin housing and header) options
- Single or double row configuration
- Positive click for latching
- Housings are black thermoplastic, flame retardant 94V-0 rated
- Tin or gold plated contacts
- 0.63 x 0.63 mm, 2.54mm pitch

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Pin Housing, Single Row						
2	280628	818-0032				
4	280629	818-0040				
6	280630	818-0059				
8	280631	818-0067				
Pin Housing, Double Row						
4 x 2	280637	818-0083				
16 x 2	280638	NEW 177-7018				
Receptacle Housing, Single Row						
2	280358	817-9930				
4	280359	817-9948				
6	280360	817-9956				



INTELLIGENT ONLINE BUYING SYSTEM PROVIDING

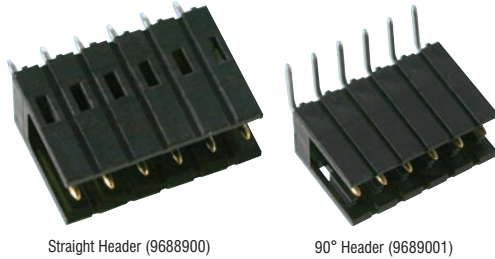
Complete cost control, reduced administration time, visibility of your spend, flexibility and personalised to your company's needs.
farnell.com/ibuy

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Receptacle Housing, Single Row						
8	280361	817-9964				
10	280362	817-9972				
15	280363	968-8692				
Receptacle Housing, Double Row						
4 x 2	280365	817-9980				
8 x 2	280366	817-9999				
9 x 2	280513	818-0008				
12 x 2	280515	818-0016				
15 x 2	280368	968-8706				

373508

Contacts	Mfrs. List No.	Order Code	Price Each			
			10+	50+	100+	500+
Contact, Tin Plated						
Male	0.1526-220.4	1-86561-0	818-0148			
Female	0.1526-220.4	182206-2	818-0121			
Contact, Gold Plated						
Male	0.1526-220.4	86561-6	818-0130			
Female	0.1526-220.4	181270-1	818-0113			
Female	0.3226-220.13	181270-3	968-8838			
Tooling						
Hand Tool with Die (AWG26-22)	58535-1		818-0156			

SMT Compatible Shrouded Headers - MODU II
Straight and 90°



Straight Header (9688900)

90° Header (9689001)

- Mates with Black Modu IV Receptacle Housings
- Single or double row configuration
- Housings are black polyester for high operating temp. (PCT)
- Gold plated contacts
- Pins 0.63 x 0.63 mm, 2.54mm pitch

413715

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single Row - Straight						
3	826467-3	968-8870				
4	826467-4	968-8889				
5	826467-5	968-8897				
6	826467-6	968-8900				
8	826467-8	968-8919				
Double Row - Straight						
2 x 3	826469-3	968-8927				
2 x 4	826469-4	968-8935				
2 x 5	826469-5	968-8943				
2 x 6	826469-6	968-8951				
2 x 8	826469-8	968-8960				
2 x 10	1-826469-0	124-8120				
Single Row - 90°						
3	826468-3	968-8978				
4	826468-4	968-8986				
5	826468-5	968-8994				
6	826468-6	968-9001				
Double Row - 90°						
2 x 3	826470-3	968-9028				
2 x 5	826470-5	968-9044				
2 x 10	1-826470-0	124-8122				

Receptacle Housing - MODU IV
Single and Double Row



- Mates with Surface Mount compatible headers
- Single or double row configuration
- Housings are black polyester (PBT)
- For suitable contacts see Green MODU II section
- 2.54mm pitch

For suitable contact, please see order code 968-9397 to 968-9451

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single Row						
3	926475-3	968-9079				
4	926475-4	968-9087				
5	926475-5	968-9095				
Double Row						
2 x 3	926476-3	968-9125				
2 x 5	926476-5	968-9141				
2 x 6	926476-6	968-9150				
2 x 8	926476-8	968-9168				

Accessories

Retention Fork						
	Mfrs. List No.	Order Code	1+	10+	50+	100+
Black	926478-1	968-9176				
Red	926478-3	968-9184				

"Locking-Clip"
Housing and Contacts



Housing (818-0245)

- Self-retaining contacts provide permanent connection with quick connect and disconnect
- Fast, easy installation with no additional locking hardware required
- Single- and double-row configurations up to 10 positions
- Thermoplastic housing to UL94V-0
- 2.54mm pitch
- Mates with AMP MODU headers
- UL recognised, CSAApproved



Contact Locking Clip (139-5300)



Extraction Tool (818-0202)

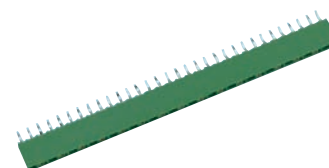
No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Housing, Single Row						
2	926657-2	818-0229				
4	926657-4	818-0245				
6	926657-6	124-8211				
Housing, Double Row						
3 x 2	926209-3	818-0261				
4 x 2	926209-4	869-2998				
6 x 2	926209-6	124-8210				
Polarising Key						
-	926329-1	818-0288				

373525

Contacts and Tooling

	AWG	Mfrs. List No.	Order Code	Price Each		
				10+	50+	100+
Contacts, Gold Plated						
Female	30-28	87191-1	151-5585			
Female	26-22	87165-1	818-0172			
Tooling						
Handtool with Die (AWG30-28; 26-22)		656075-1	818-0180			
Extraction Tool	-	91084-1	818-0202			

HV-100 / HV-190 PCB Receptacles



- Female strip connector
- 2.54 mm grid, for arrangement in rows, without any latching loss in the longitudinal direction
- Duplex gold plated
- 0.63 x 0.63 mm pins

Housing: Polyester, green UL94V-0
Contact material: CuSn
Contact surface: Selectively gold plated: contact area 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

239164

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
HV-100 Single Row Vertical, Top Entry, 7mm Above PCB						
2	215297-2	341-9046				
4	215297-4	341-9060				
6	215297-6	341-9083				
8	215297-8	341-9101				
10	1-215297-0	341-9125				

2.54mm Pitch Pin Headers and Sockets - continued

HV-100 / HV-190 PCB Receptacles - continued

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+

HV-100 Single Row Vertical, Top Entry, 7mm Above PCB

12	1-215297-2	341-9137				
16	1-215297-6	341-9174				
20	2-215297-0	968-8854				

HV-100 Double Row Vertical, Top Entry, 7mm Above PCB

2 x 2	215307-2	177-7001				
2 x 4	215307-4	341-9204				
2 x 5	215307-5	341-9216				
2 x 6	215307-6	341-9228				
2 x 7	215307-7	341-9230				
2 x 8	215307-8	341-9241				
2 x 10	1-215307-0	341-9265				
2 x 12	1-215307-2	341-9289				
2 x 13	1-215307-3	341-9290				
2 x 16	1-215307-6	177-6996				
2 x 40	2-215307-0	968-8862				
2 x 6	215309-6	177-7007				
2 x 10	1-215309-0	177-6997				
2 x 12	1-215309-2	177-6998				
2 x 16	1-215309-6	177-6999				
2 x 20	2-215309-0	177-7012				
2 x 3	216604-3	177-7010				
2 x 6	216604-6	177-7011				

HV-100 - Surface Mount Receptacles

Single and Double row



- Female connector strip, single and double row
- 2.54 mm grid
- Supplied with pick and place adaptor
- Vertical PCB mount
- Top or bottom entry
- End stackable

Housing: Liquid crystal polymer (LCP), Black, UL94V-0
 Contact material: Phosphor bronze
 Contact surface: Selectively gold plated: contact zone 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni

413758

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+

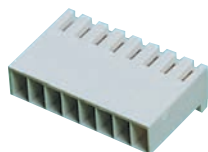
Single Row

3	1241152-3	968-9648	RL			
4	1241152-4	968-9656	RL			
5	1241152-5	968-9664	RL			
6	1241152-6	968-9672	RL			
7	1241152-7	968-9680	RL			
8	1241152-8	968-9699	RL			
10	1-1241152-0	968-9702	RL			
12	1-1241152-2	968-9710	RL			

Double Row

2 x 2	969973-2	968-9729				
2 x 3	969973-3	968-9737	RL			
2 x 4	969973-4	968-9745	RL			
2 x 5	969973-5	968-9753	RL			
2 x 6	969973-6	968-9761	RL			
2 x 7	969973-7	968-9770	RL			
2 x 8	969973-8	968-9788	RL			
2 x 10	1-969973-0	968-9796	RL			
2 x 12	1-969973-2	968-9800	RL			

CST-100 Crimp Housing



- Single row wire-to-board interconnections
- Able to mate with MTA headers

Spacing: 2.54mm
 Material: Natural, Nylon UL94V-0
 Insulation resistance: MΩ min
 Temperature range: -55°C to +105°C

219777

No. of ways	Mftrs. List No.	Order Code	Price Each			
			5+	50+	500+	1K+
2	770602-2	749-941				
3	770602-3	749-953				
4	770602-4	749-965				
5	770602-5	749-977				
6	770602-6	749-989				
8	770602-8	750-001				

CST-100 Crimp Terminal



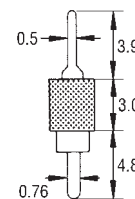
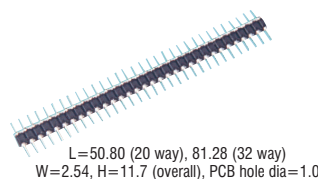
- Tin crimp terminal CST-100 housing



209465

AWG	Mftrs. List No.	Order Code	Price Each			
			100+	500+	1K+	5K+
22-26 Tin	770666-1	750-050				

Single Row Through Header - Turned Pin Contacts



- SIL headers with precision turned brass pins
- Easy snap-off design for required length
- Ideal as through-connector headers or used with SIL sockets, Order Codes 103-963 and 170-715

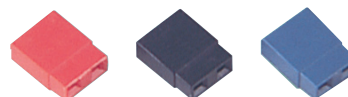
Pin spacing 2.54 mm Housing Black Glass Filled Polyester UL94V-0
 Temperature range -55°C to +150°C Contacts Tin/Lead finish

Mftr. List No. D01-992xx-01, where xx=No. of ways

209415

No. of Ways	Order Code	Price Each			
		1+	25+	100+	500+
20 way	102-2217				
32 way	102-2218				

0.1" Pitch Jumper Sockets



L=6.5, W=5.0, D=2.54

- Gold plated
- End and side stackable
- High pressure contact
- Tapered entry for pin insertion
- Open top for test probes

Current rating 1A @ 50°C Insertion/Withdrawal force 12N/1N
 Contact resistance 25mΩ max. Housing Glass Filled Polyester UL94V-0
 Temperature range -40°C to +85°C Contacts Phosphor Bronze, Gold
 Mating cycles 300

209527

Closed Top Jumper Sockets



W=5.00, D=2.4

- End and side stackable
- Sold in multiples of 10
- 10mm or 14mm size
- Tapered entry for pin insertion
- Flexible handle for ease of location and withdrawal

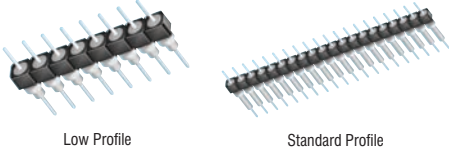
Current rating 3A Contact Resistance 3mΩmax
 Temperature range -40°C to +85°C Insertion/Withdrawal force 12.5N/5N
 Housing Polyester Contacts Phosphor Bronze, Gold
 Mating cycles 300 Rated Voltage 250AC/DC

227348

Type (mm)	Mftrs. List No.	Order Code	10+	20+	100+	250+	1K+	2K5+
Red 14	M7681-05	321-8442						
Blk 14	M7682-05	321-8454						
Blue 14	M7683-05	321-8466						
Red 10	M7685-05	321-8478						
Blk 10	M7686-05	321-8480						
Blue 10	M7687-05	321-8491						

Interconnect Strips

BBL, BBS series



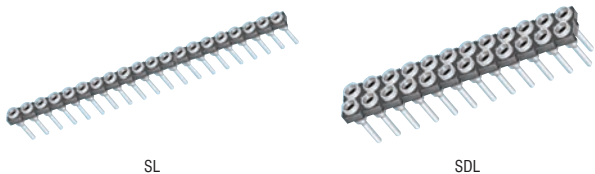
- Standard (BBS) and low profile designs (BBL) available
- Low profile design achieves 3.89mm board spacings when mated with SL series
- Three profile heights to chose from - BBS - 5.33mm, BBL - 1.78mm and 2.16mm
- These interconnect strips approach the reliability of a permanent connection with the flexibility of a separable connection
- Pitch = 2.54mm
- Mates with Samtec's SDL, SL, and SS series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glas Filled Polyester	Phosphor Bronze	Gold	1A	-55°C to +125°C

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height - 1.78mm							
BBL-102-G-E	2	166-7411					
BBL-104-G-E	4	166-7432					
BBL-106-G-E	6	166-7434					
BBL-108-G-E	8	166-7436					
BBL-110-G-E	10	166-7438					
BBL-114-G-E	14	166-7444					
BBL-116-G-E	16	166-7446					
BBL-118-G-E	18	166-7448					
BBL-120-G-E	20	166-7450					
BBL-132-G-E	32	166-7453					
Profile Height - 2.16mm							
BBL-104-G-F	4	166-7433					
BBL-106-G-F	6	166-7435					
BBL-110-G-F	10	166-7441					
BBL-112-G-F..	12	166-7443					
BBL-114-G-F..	14	166-7445					
BBL-116-G-F	16	166-7447					
BBL-132-G-F	32	166-7454					
Profile Height - 5.33mm							
BBS-104-G-A	4	166-7456					
BBS-110-G-A	10	166-7459					
BBS-112-G-A	12	166-7460					
BBS-116-G-A	16	166-7462					
BBS-118-G-A	18	166-7463					
BBS-120-G-A	20	166-7465					
BBS-132-G-A	32	166-7466					

Low Profile Socket Strips

SL, SDL series



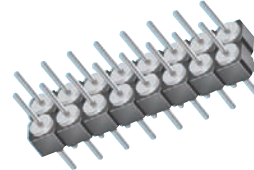
- Option for low profile or micro socket
- Achieve low profile without sacrificing insertion depth
- Exceptionally low profile, down to 2.41mm off of board
- Profile Height - 2.41mm (Micro Socket) / 3.10mm (Low Profile)
- Single and double row available
- Hollow leg
- Pitch 2.54mm
- Pitch row - 2.54mm (SDL)
- SL mates with Samtec's TS, BBS and BBL series
- SDL mates with Samtec's TD series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glas Filled Polyester	Beryllium Copper	Gold	1A	-55°C to 125°C

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Low Profile							
SL-102-T-10	2	166-8056					
SL-106-T-10	6	166-8060					
SL-108-T-10	8	166-8062					
SL-110-T-10	10	166-8064					
SL-112-T-10	12	166-8066					
SL-114-T-10	14	166-8069					
SL-116-T-10	16	166-8071					
SL-120-T-10	20	166-8075					
SL-130-T-10	30	166-8087					
SL-132-T-10	32	166-8089					
Single Row, Micro Socket							
SL-102-T-12	2	166-8057					
SL-104-T-12	4	166-8059					
SL-106-T-12	6	166-8061					
SL-116-T-12	16	166-8072					
SL-120-T-12	20	166-8076					
SL-132-T-12	32	166-8090					
Double Row, Low Profile							
SDL-106-T-10	12	166-7935					
SDL-108-T-10	16	166-7937					
SDL-110-G-10	20	166-7939					
SDL-112-T-10	24	166-7941					
SDL-116-T-10	32	166-7946					
SDL-120-T-10	40	166-7950					
Double Row, Micro Socket							
SDL-106-T-12	12	166-7936					
SDL-108-T-12	16	166-7938					
SDL-118-T-12	36	166-7949					
SDL-120-T-12	40	166-7951					

2.54mm Terminal Strips

TD series



- Double row
- Pin Length - 3.96mm
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's SDL series

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
TD-108-G-A	16	166-8424					
TD-110-G-A	20	166-8425					
TD-116-G-A	32	166-8428					
TD-118-G-A	36	166-8429					
TD-120-G-A	40	166-8430					

2.54mm Socket Strips

SS series



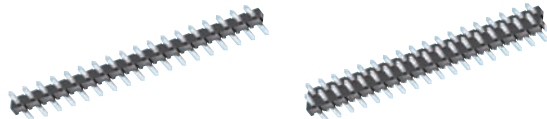
- Through Hole
- Single Row
- Profile Height - 4.44mm
- Pitch - 2.54mm
- Pin Length - 3.18mm
- Mates with Samtec's TS, BBS, & BBL series

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SS-104-T-2-N	4	166-8203					
SS-105-T-2-N	5	166-8204					
SS-106-T-2-N	6	166-8205					
SS-107-T-2-N	7	166-8206					
SS-108-T-2-N	8	166-8207					
SS-108-TT-2-N	8	166-8208					
SS-110-T-2-N	10	166-8209					
SS-110-TT-2-N	10	166-8210					
SS-112-T-2-N..	12	166-8211					
SS-114-T-2-N	14	166-8214					
SS-116-T-2-N	16	166-8215					
SS-118-T-2-N	18	166-8216					
SS-120-T-2-N	20	166-8217					
SS-125-T-2-N	25	166-8218					
SS-130-T-2-N	30	166-8219					
SS-132-T-2-N	32	166-8220					

527413

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
Single Row, Vertical							
SSQ-102-01-G-S	2	166-8288					
SSQ-103-01-G-S	3	166-8291					
SSQ-104-01-G-S	4	166-8293					
SSQ-106-01-G-S	6	166-8297					
SSQ-108-01-G-S	8	166-8302					
SSQ-110-01-G-S	10	166-8307					
SSQ-112-01-G-S	12	166-8309					
SSQ-114-01-G-S	14	166-8311					
SSQ-116-01-G-S	16	166-8314					
SSQ-118-01-G-S	18	166-8317					
SSQ-120-01-G-S	20	166-8320					
Single Row, Right Angle							
SSQ-102-02-G-S-RA	2	166-8289					
SSQ-104-02-G-S-RA	4	166-8294					
SSQ-106-02-G-S-RA	6	166-8299					
SSQ-108-02-G-S-RA	8	166-8303					
SSQ-110-02-G-S-RA	10	166-8308					
SSQ-120-02-G-S-RA	20	166-8321					
Double Row, Vertical							
SSQ-102-01-G-D	4	166-8287					
SSQ-103-01-G-D	6	166-8290					
SSQ-104-01-G-D	8	166-8292					
SSQ-106-01-G-D	12	166-8296					
SSQ-107-01-G-D	14	166-8300					
SSQ-108-01-G-D	16	166-8301					
SSQ-109-01-G-D	18	166-8305					
SSQ-110-01-G-D	20	166-8306					
SSQ-115-01-G-D	30	166-8313					
SSQ-120-01-G-D	40	166-8319					
SSQ-125-01-G-D	50	166-8322					
SSQ-130-01-G-D	60	166-8323					
SSQ-150-01-G-D	100	166-8327					

2.54mm Low Profile Headers
TLW series



- These headers provide the ultimate low profile 0.64mm square post board stacking system
- The high quality Phosphor Bronze terminals are available with a standard short post height for mating with low profile sockets
- Through Hole
- Single / Double row
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's CES & SLW series

527434

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
Single Row							
TLW-102-05-G-S	2	166-8488					
TLW-103-05-G-S	3	166-8490					
TLW-104-05-G-S	4	166-8492					
TLW-105-05-G-S	5	166-8495					
TLW-106-05-G-S	6	166-8497					
TLW-107-05-G-S	7	166-8499					
TLW-108-05-G-S	8	166-8502					
TLW-110-05-G-S	10	166-8506					
TLW-114-05-G-S	14	166-8508					
TLW-116-05-G-S	16	166-8510					
TLW-118-05-G-S	18	166-8512					
TLW-120-05-G-S	20	166-8514					
Double Row							
TLW-102-05-G-D	4	166-8487					
TLW-103-05-G-D	6	166-8489					
TLW-104-05-G-D	8	166-8491					
TLW-105-05-G-D	10	166-8494					
TLW-106-05-G-D	12	166-8496					
TLW-107-05-G-D	14	166-8498					
TLW-108-05-G-D	16	166-8501					
TLW-109-05-G-D	18	166-8503					
TLW-110-05-G-D	20	166-8505					

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+
Double Row							
TLW-115-05-G-D	30	166-8509					
TLW-120-05-G-D	40	166-8513					
TLW-125-05-G-D	50	166-8515					
TLW-130-05-G-D	60	166-8516					
TLW-136-05-G-D	72	166-8518					

Low Profile Strips



CES, SLW series



- Single and double row receptacles available
- Contact plating - Tin (CES), Gold (SLW)
- Pin lengths - 3.25mm (CES), 2.92mm (SLW)
- Pitch - 2.54mm
- Pitch row - 2.54mm
- Through hole
- Mates with Samtec's TLW and TSW series

Series	Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
CES	Glass Filled Polyester	Phosphor Bronze	Tin	1A	-55°C to 105°C
SLW	Glass Filled Polyester	Phosphor Bronze	Gold	3A	-55°C to 125°C

527201

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+

Tin Plating, Single Row						
CES-102-01-T-S	2	166-7508				
CES-104-01-T-S	4	166-7510				
CES-106-01-T-S	6	166-7512				
CES-108-01-T-S	8	166-7514				
CES-110-01-T-S	10	166-7516				
CES-112-01-T-S	12	166-7517				
CES-114-01-T-S	14	166-7519				
CES-116-01-T-S	16	166-7522				
CES-118-01-T-S	18	166-7523				
CES-120-01-T-S	20	166-7525				
CES-124-01-T-S	24	166-7527				
CES-126-01-T-S	26	166-7529				
CES-128-01-T-S	28	166-7532				
CES-129-01-T-S	29	166-7533				
CES-130-01-T-S	30	166-7535				
Tin Plating, Double Row						
CES-104-01-T-D	8	166-7509				
CES-106-01-T-D	12	166-7511				
CES-108-01-T-D	16	166-7513				
CES-110-01-T-D	20	166-7515				
CES-116-01-T-D	32	166-7521				
CES-120-01-T-D	40	166-7524				
CES-125-01-T-D	50	166-7528				
CES-128-01-T-D	56	166-7530				
CES-130-01-T-D	60	166-7534				
CES-140-01-T-D	80	166-7537				
CES-150-01-T-D	100	166-7538				

Gold Plating, Single Row						
SLW-104-01-G-S	4	166-8095				
SLW-106-01-G-S	6	166-8097				
SLW-108-01-G-S	8	166-8100				
SLW-110-01-G-S	10	166-8102				
SLW-112-01-G-S	12	166-8103				
SLW-114-01-G-S	14	166-8104				
SLW-120-01-G-S	20	166-8107				
Gold Plating, Double Row						
SLW-102-01-G-D	4	166-8091				
SLW-104-01-G-D	8	166-8094				
SLW-106-01-G-D	12	166-8096				
SLW-108-01-G-D	16	166-8099				
SLW-110-01-G-D	20	166-8101				
SLW-115-01-G-D	30	166-8105				
SLW-120-01-G-D	40	166-8106				
SLW-125-01-G-D	50	166-8108				
SLW-135-01-G-D	70	166-8112				
SLW-150-01-G-D	100	166-8115				

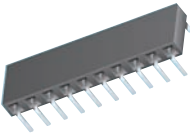
IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items farnell.com

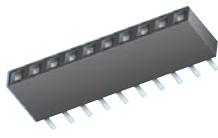
2.54mm Pitch Pin Headers and Sockets - continued

Box Connect Strips

BCS series



Horizontal Entry



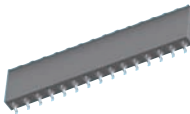
Vertical Entry

- Horizontal and vertical entry receptacles available
- Single row
- Liquid Crystal Polymer Phosphor Bronze
- Pitch = 2.54mm
- Through hole
- Mates with Samtec's TSW series
- Gold 3A -55°C to 125°C

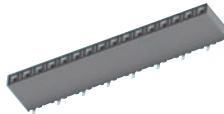
Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Horizontal Entry							
BCS-104-L-S-HE	4	166-7469	●				
BCS-108-L-S-HE	8	166-7473	●				
BCS-110-L-S-HE	10	166-7475	●				
BCS-112-L-S-HE	12	166-7478	●				
BCS-116-L-S-HE	16	166-7482	●				
Vertical Entry							
BCS-102-L-S-TE	2	166-7468	●				
BCS-104-L-S-TE	4	166-7470	●				
BCS-106-L-S-TE	6	166-7472	●				
BCS-108-L-S-TE	8	166-7474	●				
BCS-110-L-S-TE	10	166-7477	●				
BCS-112-L-S-TE	12	166-7479	●				
BCS-114-L-S-TE	14	166-7481	●				
BCS-116-L-S-TE	16	166-7483	●				
BCS-120-L-S-TE	20	166-7487	●				
BCS-122-L-S-TE	22	166-7491	●				
BCS-124-L-S-TE	24	166-7493	●				
BCS-126-L-S-TE	26	166-7495	●				
BCS-132-L-S-TE	32	166-7501	●				
BCS-140-L-S-TE	40	166-7503	●				
BCS-150-L-S-TE	50	166-7505	●				

2.54mm SMT Sockets

SSM series



Single Row, Horizontal Pin



Single Row, Vertical Pin

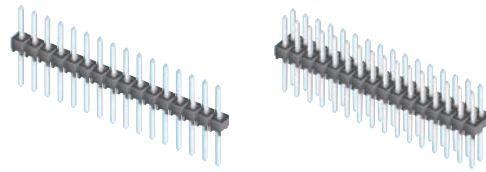
- Surface Mount
- Orientation - Vertical or Horizontal
- Single or Double row
- Profile Height - 7.37mm (Vertical) / 8.13mm (Horizontal)
- LCP Phosphor Bronze Gold 4A -55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Vertical Pin							
SSM-102-L-SV	2	166-8243	●				
SSM-104-L-SV	4	166-8251	●				
SSM-106-L-SV	6	166-8257	●				
SSM-108-L-SV	8	166-8259	●				
SSM-110-L-SV	10	166-8264	●				
SSM-112-L-SV	12	166-8266	●				
SSM-120-L-SV	20	166-8275	●				
Single Row, Horizontal Pin							
SSM-102-L-SH	2	166-8242	●				
SSM-106-L-SH	6	166-8256	●				
SSM-108-L-SH	8	166-8258	●				
SSM-110-L-SH	10	166-8263	●				
SSM-114-L-SH	14	166-8267	●				
Double Row, Vertical Pin							
SSM-102-L-DV	4	166-8241	●				
SSM-103-L-DV	6	166-8245	●				
SSM-104-L-DV	8	166-8247	●				
SSM-105-L-DV	10	166-8253	●				
SSM-106-L-DV	12	166-8255	●				
SSM-110-L-DV	20	166-8261	●				

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Double Row, Vertical Pin							
SSM-115-L-DV	30	166-8270	●				
SSM-120-L-DV	40	166-8272	●				
SSM-125-L-DV	50	166-8277	●				
Double Row, Horizontal Pin							
SSM-102-L-DH	4	166-8240	●				
SSM-105-L-DH	10	166-8252	●				
SSM-110-L-DH	20	166-8260	●				
SSM-115-L-DH	30	166-8269	●				

2.54mm Terminal Strips

TSW series

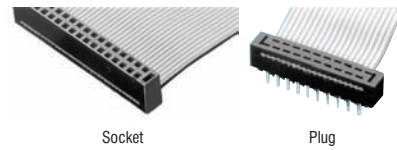


- Through Hole
- Single / Double Row
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's BCS, CES, SLW, SSQ & SSW series
- Glass Filled Polyester Phosphor Bronze Gold -55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Pin Length - 10.92mm							
TSW-106-07-L-S	6	166-8590	●				
TSW-109-07-G-S	9	166-8591	●				
TSW-112-07-G-S	12	166-8592	●				
Double Row, Pin Length - 7.62mm							
TSW-150-06-L-D	100	166-8595	●				
Double Row, Pin Length - 8.51mm							
TSW-125-05-G-D	50	166-8593	●				
TSW-150-05-L-D	100	166-8594	●				
Double Row, Pin Length - 10.92mm							
TSW-150-07-L-D	100	166-8597	●				
Double Row, Pin Length - 11.30mm							
TSW-150-23-L-D	100	166-8605	●				
Double Row, Pin Length - 11.58mm							
TSW-150-26-L-D	100	166-8606	●				
Double Row, Pin Length - 13.46mm							
TSW-150-14-L-D	100	166-8603	●				
TSW-150-08-G-D	100	166-8598	●				
TSW-150-08-L-D	100	166-8600	●				
Double Row, Pin Length - 21.08mm							
TSW-150-17-L-D	100	166-8604	●				
Double Row, Right Angle, Pin Length - 2.29mm							
TSW-150-08-L-D-RA	100	166-8601	●				

2.54mm Cable Strips

HCS / HCMD Series



- Dual row
- Up to 36 contacts available per row
- Notch polarisation on sockets
- Phosphor Bronze Contact Plating Gold
- 1A Withstanding Voltage 1000Vrms
- 10mohm Insulation Resistance -40°C to 105°C
- LCP Operating Temp. 2.54 x 2.54 mm
- 30AWG Pitch

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
Sockets							
10	HCS-05-01-N	175-3879	●				
16	HCS-08-01-N	175-3880	●				
20	HCS-10-01-N	175-3881	●				
26	HCS-13-01-N	175-3883	●				
30	HCS-15-01-N	175-3884	●				
34	HCS-17-01-N	175-3886	●				
40	HCS-20-01-N	175-3887	●				
50	HCS-25-01-N	175-3888	●				

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	250+
Plugs							
10	HCMD-05-01	175-3890					
16	HCMD-08-01	175-3891					
24	HCMD-12-01	175-3893					
26	HCMD-13-01	175-3894					
30	HCMD-15-01	175-3895					
40	HCMD-20-01	175-3898					



2.54mm Square Pin Headers 2217S / 2217R Series



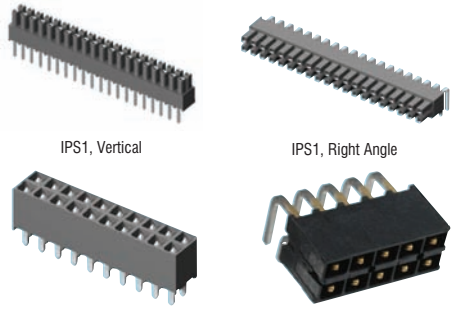
- Pitch - 2.54mm
- Orientation - Vertical / Right Angle
- Flammability Rating - UL94V-0
- Operating Temperature - -40°C to 105°C

Specifications:-			
Current Rating	3A	Voltage Rating	250V AC/DC
Contact Material	Brass	Contact Plating	Tin
Insulator Material	Nylon 6.6		

528657

Mini Mate® Connector Set

IPS1, IPT1 series



- Double row
- Pitch - 2.54mm
- LCP
- Phosphor Bronze
- Gold
- Pitch row - 2.54mm
- IPS1 and IPT1 mate with each other
- -55°C to 125°C

527340

Mftrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	250+

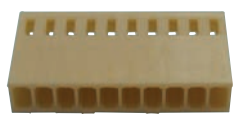
Receptacles, Vertical						
IPS1-105-01-S-D	10	166-7817				
IPS1-110-01-S-D	20	166-7819				
IPS1-115-01-S-D	30	166-7821				

Receptacles, Right Angle						
IPS1-105-01-S-D-RA	10	166-7818				
IPS1-110-01-S-D-RA	20	166-7820				
IPS1-115-01-S-D-RA	30	166-7822				

Headers, Vertical						
IPT1-105-01-S-D	10	166-7823				
IPT1-110-01-S-D	20	166-7825				
IPT1-115-01-S-D	30	166-7827				

Headers, Right Angle						
IPT1-105-01-S-D-RA	10	166-7824				
IPT1-110-01-S-D-RA	20	166-7826				
IPT1-115-01-S-D-RA	30	166-7829				

2.54mm Crimp Terminal Housings 2218H Series



- Pitch - 2.54mm
- Flammability Rating - UL94V-0
- Operating Temperature - -40°C to 105°C
- Mates with 2217S & 2217R series

Specifications:-			
Current Rating	3A	Voltage Rating	250V AC/DC
Contact Material	Brass	Contact Plating	Tin
Insulator Material	Nylon 6.6		

528656

No. of Ways	Order Code	10+	100+	Price Each		
				250+	500+	1K+

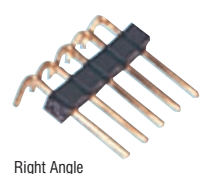
2	167-5754				
3	167-5755				
4	167-5756				
5	167-5757				
6	167-5759				
8	167-5761				
10	167-5762				
12	167-5763				

Crimp Pin		100+	10K+
22 - 28AWG	167-5781		

IMPROVED BACK ORDER DELIVERY

Receive email updates with the exact status, due date and despatch information of all your back order items **farnell.com**

2.54mm Headers 2211 series



- 2.54mm pitch
- Single Row
- Vertical and Right Angle headers available
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

Mftrs. List No.	No. of Ways	Order Code	Price Each				
			10+	50+	100+	500+	1K+

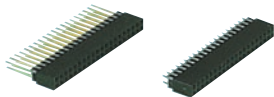
Vertical						
2211S-02G	2	159-3411				
2211S-03G	3	159-3412				
2211S-04G	4	159-3413				
2211S-05G	5	159-3414				
2211S-06G	6	159-3415				
2211S-08G	8	159-3416				
2211S-10G	10	159-3417				
MC34733	12	159-3418				
MC34735	14	159-3421				
MC34737	18	159-3422				
MC34739	20	159-3423				
MC34741	22	159-3424				
MC34743	24	159-3425				

Right Angle						
MC34745	2	159-3426				
MC34747	3	159-3427				
MC34749	4	159-3428				
2211R-05G	5	159-3429				
MC34751	6	159-3430				
MC34753	8	159-3431				
MC34755	10	159-3433				
MC34757	12	159-3434				
MC34759	14	159-3435				
MC34761	18	159-3436				
MC34763	20	159-3437				
2211R-22G	22	159-3438				
MC34765	24	159-3439				

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			10+	50+	100+	500+
Dual Row Housings						
2226B-06	6	159-3520				
2226B-08	8	159-3521				
2226B-10	10	159-3522				
2226B-12	12	159-3524				
2226B-16	16	159-3525				
2226B-20	20	159-3526				
2226B-22	22	159-3527				
2226B-24	24	159-3528				
Crimp Socket						
2226TG	24-28 AWG	159-3529				

2.54mm Pitch PC/104 Connectors

Bus Connectors



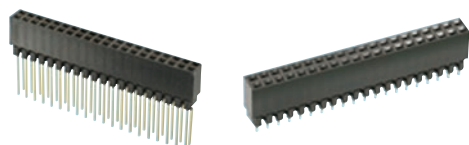
- 32+32 way supports an 8-bit system
- 20+20 way combined with a 32+32 way supports a 16-bit system
- 4 x 30, 120 way available, 2.00mm pitch
- Press-Fit versions eliminate costly hand soldering and allow board rework

Current rating	1A	Housings	Glass Filled Polyester UL94V-0
Voltage proof	1000V ac	Contacts	Phosphor Bronze
Contact Resistance	10mΩ max	Finish	Gold over Nickel
Insulation resistance	MΩ min.	Average insertion force	103.2g (1N) per contact
Temperature range	-55°C to ++105°C	Average withdrawal force	71.5g (0.7N) per contact

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	10+	100+
Stackthrough					
40	M20F6102005	359-907			
64	M20F6103205	359-956			
Stackthrough Press-Fit					
40	M20-6152005	486-1401			
64	M20-6153205	486-1413			
Non-Stackthrough					
40	M20F6112005	359-970			
64	M20F6113205	359-993			

PC104 Sockets



Stackthrough

Non-Stackthrough

- Double row connectors
- Stackthrough and Non-Stackthrough sockets available
- 2.54mm pitch, 2.54mm pitch row
- Solder tails - Stackthrough 12.2mm, Non-Stackthrough 2.3mm
- Flammability rating - UL94V-0

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	100+	
Stackthrough						
M20-6102045	40	156-9230				
M20-6103245	64	156-9231				
Non-Stackthrough						
M20-6112045	40	156-9232				
M20-6113245	64	156-9233				

Flexible Circuitry Systems "Clincher"

Connector Male and Female 2.54mm



H=15.49, W=2.54

- Terminates flat conductor flat cable or flexible circuitry without cable stripping
- Dual-metal PV contacts
- Clinching portion of the contact forms a gastight crimp to prevent contamination of contact
- Mates with 0.64mm square or round pins on 2.54mm centres
- Latch for flying connection

Contact rating	2 A max	Contact resistance	15 mΩ max
Temperature range	-65 °C to +105 °C	Housing	Polypropylene UL94V-0 Colour Blue

Order Multiple=5

Ways	List No.	Order Code	Price Each			
			5+	50+	100+	250+
Gold Plating						
2	65801-002LF	110-3901				
4	65801-004LF	110-3976				
5	65801-005LF	110-3983				
6	65801-006LF	110-3977				
7	65801-007LF	110-3984				
8	65801-008LF	110-3978				
9	65801-009LF	110-3979				
10	65801-010LF	110-3980				
12	65801-012LF	110-3981				
Order Multiple=1						
14	65801-014LF	110-3903				
16	65801-016LF	110-3904				
20	65801-020LF	110-3906				

2.54mm Pitch KK Connectors

KK® Crimp Terminal for 2.50 and 2.54mm



Wire Size mm ²	Wire Size AWG	Insulation Diameter	Engineering No.	Mftrs. List No.
0.055-0.336	22-30	0.062	4809	08-50-0032

Pack Quantity	Order Code	Price Per Pack		
		1+	5+	10+
100	977-3789			
1000	973-1474			

Cable Assembly - 300mm

Mftrs. List No.	Order Code	Price Each			
		10+	25+	50+	100+
24 AWG	88941-0700	171-2411			

Crimp Tool

Tool Type	Mftrs. List No.	Order Code	Price Each
			1+
Ratchet	63811-8200	163-0513	

KK® Crimp Terminal Housing (with Locking Ramp) 2.54mm Pitch

Crimp Housing	Polarising Pin	Mftrs. List No.	22-01-2xx5	= Housing
		Engineering No.	15-04-9209	= No of ways.
			6471	= Housing
			4161-1	= Polarising Pin

No of Ways	Order Code	Price Each			
		10+	100+	200+	500+
2	143-126				
3	143-127				
4	143-128				
5	146-256				
6	143-129				
7	473-080				
8	143-130				
9	231-897				
10	143-131				
12	257-345				
13	231-678				
14	231-680				
15	269-232				
16	473-091				
17	231-691				
18	231-708				
20	473-110				
Price Per Pack					
Pack Quantity		1+	5+	10+	
100	101-3095				
1000	101-2165				

2.54mm Pitch KK Connectors - continued

KK® PCB Sockets, Low Profile Top & Bottom Entry **molex**

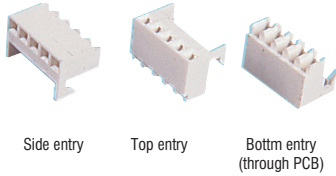


- New design enables almost a 50% reduction in height
- Enables both top and bottom entry and retrofits into existing 2.54mm KK PCB layouts

Mfrs. List No. 044-81-200xx where x=No. of ways
386886

No. of Ways	Order Code	5+	50+	100+	500+	1K+	2K5+
2	856-6666						
5	856-6690						
6	856-6704						
16	856-6801						

KK® PCB Sockets **molex**



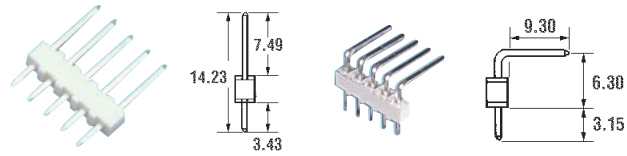
Side entry Top entry Bottom entry (through PCB)

Mfrs. List No. 38-00-133x=Side Entry, 38-00-142x=Top Entry, 38-00-139x=Bottom Entry where x=No. of ways (except 10 way where x=0)

Engineering No. 4455C-NAAA=Side entry, 4455C-NCAA=Top entry, 4455C-NBAA=Bottom entry
230550

No. of Ways	Order Code	5+	100+	200+	500+
3	973-1261				
4	973-1270				
5	973-1288				
6	973-1296				
8	973-1300				
10	973-1318				
12	257-357				
2	973-2241				
3	973-2250				
4	973-2268				
5	973-2276				
6	973-2292				
8	973-2306				
10	973-2314				
5	973-2349				

KK® Square Pin Headers **molex**



PCB hole dia. = 1.02 ± 0.05

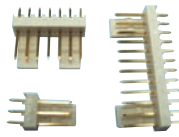
Mfrs. List No. 22-03-2xx1 = Straight Header Engineering No. 4030 = Straight Header
22-05-2xx1 = 90° Header 4094 = 90°
where xx = No of ways
209394

Order Multiple=10							
No of Ways	Order Code	10+	100+	200+	500+	1K+	2K5+
Straight Header							
2	973-1075						
3	973-1083						
4	973-1091						
5	973-1105						
6	973-1113						
8	973-1121						
10	973-1130						
12	973-2543						
15	973-2705						
Order Multiple=5							
90° Header							
2	973-1199						
3	973-1202						
4	973-1210						
5	973-1598						

Order Multiple=10

No of Ways	Order Code	10+	100+	200+	500+	1K+	2K5+
6	973-1229						
8	973-1237						
10	973-1245						
12	973-2551						
15	973-2713						

KK® Square Pin Headers **molex**



- Gold Plated Square Pins
- Friction lock provides passive lock to connector with ramp
- Good in high vibration applications

Voltage rating 250V ac/dc Temperature range 0°C to 75°C
Current rating 4.0A Housing Nylon UL94V-0
472496

No. of Ways	Mfrs. List No.	Order Code	5+	100+	500+	1K+
Vertical Square Pin						
2	22-29-2021	136-0130				
3	22-29-2031	136-0131				
4	22-29-2041	136-0132				
5	22-29-2051	136-0133				
6	22-29-2061	136-0134				
7	22-29-2071	136-0135				
8	22-29-2081	136-0136				
10	22-29-2101	136-0138				
12	22-29-2121	136-0141				
Right Angle Square Pin						
2	22-12-4022	136-0142				
3	22-12-4032	136-0143				
4	22-12-4042	136-0144				
5	22-12-4052	136-0145				
6	22-12-4062	136-0146				
7	22-12-4072	136-0147				
8	22-12-4082	136-0148				
9	22-12-4092	136-0149				
10	22-12-4102	136-0150				

KK® Square Pin Header (with Friction Lock) **molex**



PCB hole dia. = 1.02 ± 0.05

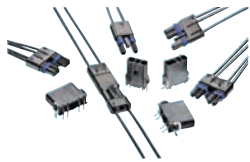
Mfrs. List No. 22-27-2xx1 = Straight Header Engineering No. 6410 = Straight Header
22-05-7xx8 = 90° Header 7395 = 90° Header
where xx = No of ways
209395

Order Multiple=10							
No of Ways	Order Code	10+	100+	200+	500+	1K+	2K5+
Straight Header							
2	973-1148						
3	973-1156						
4	973-1164						
5	973-1679						
6	973-1172						
8	973-1180						
10	973-1580						
12	973-2560						
15	973-2721						
Order Multiple=5							
90° Header							
2	973-1601						
3	973-1610						
4	973-1628						
5	973-1636						
6	973-1644						
8	973-1652						
10	973-1660						
12	973-2578						
15	973-2730						

2.55 - 3.95mm Pitch Connectors

SlimSeal SSL Connectors

Wire-to-wire and wire-to-board



The SlimSeal SSL connectors are low profile, single row connectors developed for indoor and outdoor LED lighting applications. These connectors provide low power, sealed solutions for free hanging, wire-to-wire interconnects and for robust, stable electrical and mechanical wire-to-board connections used in solid state lighting.

NEW

- Positive integral latching
- Polarised connectors
- IP67 rating
- UV resistance (wire-to-wire)

- Current rating: 5A
- Max. operating voltage: 250 VAC/DC
- Contact plating: Tin
- Durability: 30 mating cycles

605830

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	500+
Plug							
2	2106135-2	180-0465					
Right Angle SMT Header							
2	2106056-2	180-0466					
3	2106056-5	180-0467					
4	2106056-8	180-0468					
Plug Cable Assemblies - Cable Length 102mm							
2	2106378-2	180-0471					
3	2106378-3	180-0472					
4	2106378-4	180-0473					
Receptacle Cable Assemblies - Cable Length 102mm							
2	2106391-2	180-0475					
3	2106391-3	180-0476					
4	2106391-4	180-0477					
Contacts - Wire Size 20-18 AWG							
Socket	2106123-2	180-0469					
Blade	2106124-9	180-0470					

Wire to Board Pivot Connectors

3.43mm Pitch



NEW

The AMP Pivot Connector Series is a toolless, user friendly solution for terminating signal and low power connections. Simply feed a pair of unstripped wires into the connector and complete the termination by pressing down the pivoting stuffer with your thumb or index finger

Mftrs. List No.	No. of Ways	Wire Stuffer Colour	Legend	Order Code
1339222-2	2	Clear	T R	187-7593
1339313-1	4	Black	HOT GND	187-7594
1339342-1	2	Red	Blank	187-7595
1339343-1	4	Red	Blank	187-7596
1339345-1	2	Black	HOT GND	187-7597
1339374-1	4	Clear	T R	187-7599
1339374-2	4	Black	T R	187-7600
1339376-1	4	Clear	Blank	187-7601
1339376-2	8	Clear	Blank	187-7602
1339395-1	4	Tan	T R	187-7603

630740

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	100+	500+
Metric						
2	1339222-2	187-7593				
4	1339313-1	187-7594				
2	1339342-1	187-7595				
4	1339343-1	187-7596				
2	1339345-1	187-7597				
4	1339374-1	187-7599				
4	1339374-2	187-7600				
4	1339376-1	187-7601				
8	1339376-2	187-7602				
4	1339395-1	187-7603				



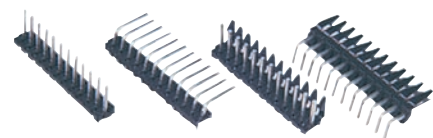
TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

3.96mm Pitch KK Connectors

KK® Breakaway Square Pin Headers

3.96mm Pitch



Straight header 90° header
Straight header with friction lock 90° header with friction lock

Snap-to-length 12 or 24 way PCB headers. Pin size = 1.1 x 1.1. PCB hole dia = 1.7.

Mftrs. List No. 26-481xx1 = Straight header, 26-48-1xx2 = 90° Cheader
Contacts 26-481xx5 = Straight header with friction lock 26-48-1xx6 = 90° header with friction lock, where xx = No of ways

Engineering No. 41661 = Straight header, 41671 = Straight header with friction lock, 41672 = 90° header with friction lock

209468

No of Ways	Order Code	Price Each					
		1+	100+	250+	500+	1K+	2K5+
Straight Header							
12	101-2169						
24	973-2209						
90° Header							
12	101-2170						
24	973-2217						
Straight Header with Friction Lock							
12	973-2225						
24	973-2233						
90° Header with Friction Lock							
12	101-2171						
24	101-2172						

KK® Crimp Terminal Housings and Markk Terminal

41695 series



- Sizes 2 to 12 circuits
- 3.96mm pitch
- Housings include locking ramp feature
- Polarizing rib feature for side-to-side polarization
- Offset pin entry holes provide 180° polarization
- Mates with 41791 & 41792 Headers

Housing Material	No. of Mating Cycles	Voltage Rating	Withstanding Voltage	Operating Temperature	Flammability Rating
Polyester	25	250VAC	1500VAC	0°C to 75°C	UL94V-0

526650

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			50+	100+	250+	500+
09-50-8023	2	167-5489				
09-50-8033	3	167-5490				
09-50-8043	4	167-5491				
09-50-8053	5	167-5492				
09-50-8063	6	167-5493				
09-50-8083	8	167-5494				
09-50-8103	10	167-5495				
09-50-8123	12	167-5496				
Crimp Terminal						
45570-3050	18-20 AWG	167-5488		100+	500+	
Crimp Tool						
63819-3600		179-6142		1+	3+	



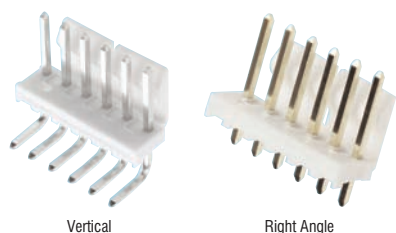
INTELLIGENT ONLINE BUYING SYSTEM PROVIDING

Complete cost control, reduced administration time, visibility of your spend, flexibility and personalised to your company's needs.
farnell.com/ibuy

3.96mm Pitch KK Connectors - continued

KK® Solid Wire-to-Board Headers

41791 / 41792 series



Vertical

Right Angle

- Sizes 2 to 12 circuits
- Pitch - 3.96mm
- Orientation - vertical and right angle headers available
- Friction lock
- Provides left to right polarization when mated with 41695 crimp housing with the optional polarizing ribs
- Passive locking feature is used with 41791 vertical headers to maintain interconnection, ideal for high vibration applications
- End-to-end stackable
- Flammability Rating - UL94V-0

Housing Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Polyester	Brass	Tin	7A	250VAC	0°C to 75°C

526659

Mftrs. List No.	No. of Ways	Order Code	Price Each			
			50+	100+	250+	500+
Orientation - Vertical						
26-60-4020	2	167-5498				
26-60-4030	3	167-5499				
26-60-4040	4	167-5500				
26-60-4050	5	167-5501				
26-60-4060	6	167-5502				
26-60-4080	8	167-5504				
26-60-4100	10	167-5505				
26-60-4120	12	167-5506				
Orientation - Right Angle						
26-60-5020	2	167-5507				
26-60-5030	3	167-5508				
26-60-5040	4	167-5509				
26-60-5050	5	167-5510				
26-60-5060	6	167-5511				
26-60-5080	8	167-5512				

3.96mm Pitch Pin Headers and Sockets

VH Connector Series

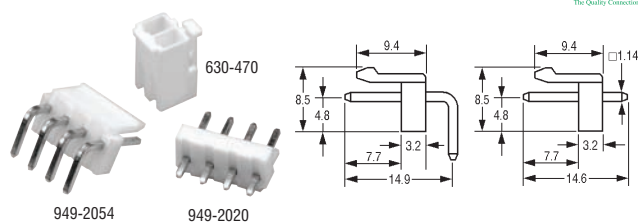


- Compact pcb connector with a large current carrying capacity
- Anti-vibration lock mechanism
- End stackable without loss of circuits
- Approvals: **CSA** and **UL** recognised

Current rating:	7A ac/dcA	Insulation resistance:	≥MΩ ac/dc
Voltage rating:	250V ac/dcV	Temperature range:	-25°C to +85°C
Withstand voltage:	1500Vac/1minute	Housing:	Nylon 6 UL94V-0

209478

Pin Headers and Sockets

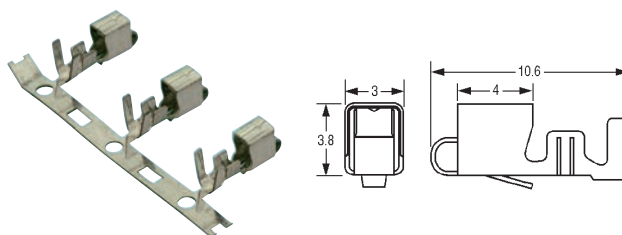


209480

Order Multiple=5

Ways	List No.	Order Code	Price Each				
			5+	10+	50+	100+	250+
Header - Top Entry							
2	B2P-VH(LF)(SN)	949-2003					
3	B3P-VH(LF)(SN)	949-2011					
4	B4P-VH(LF)(SN)	949-2020					
Housing							
2	VHR-2N	630-470					
3	VHR-3N	630-482					
4	VHR-4N	630-494					

Crimp Terminal



Wire Size	mm ²	AWG	Insulation Dia. O.D.	Mftrs. List No.	Order Code
0.33-0.83	22-18	1.7-	BVH-21T-P1.1	630-500	209481

Price Each

Order Code	10+	100+	250+	500+
630-500				

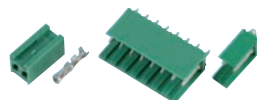
Crimp Tool



209482

Mftrs. List No.	Order Code	Price Each
WC-160	400-6252	1+

Crimp Housings, Headers and Contacts



- Rugged connector system featuring 0.79 x 1.57mm posts with mating receptacles
- 5 Amp current rating
- Contacts available in tin and gold plating
- Flame retardant thermoplastic housings to UL 94V-1

- Shrouded pin headers are polarised and detented

386441

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			10+	50+	100+	500+
Receptacle Housings						
2	280590	869-3005				
4	280591	869-3013				
6	280592	869-3021				
8	280593	869-3030				
10	280594	869-3048				
12	280595	869-3056				
Pin Headers - Straight Tin Plated						
2	280609-1	869-3102				
4	280610-1	869-3129				
6	280611-1	869-3145				
8	280612-1	869-3170				
10	280613-1	869-3196				
12	280614-1	869-3218				
Pin Headers - 90° Tin Plated						
2	280615-1	869-3234				
4	280616-1	869-3250				
6	280617-1	177-7013				
8	280618-1	177-7015				
10	280619-1	177-7016				
12	280620-1	177-7017				
Order Multiple=1			1+	10+	50+	100+
Pin Headers - Straight Gold Plated						
2	280609-2	869-3110				
4	280610-2	869-3137				
6	280611-2	869-3153				
10	280613-2	869-3200				
Pin Headers - 90° Gold Plated						
6	280617-2	869-3285				
Contacts - 18 - 22 AWG						
Tin	181299-1	869-3072				
Tin, High Contact Pressure	182198-1	869-3080				
Gold Plate	181299-2	869-3064				
Tooling						
Pro Crimper	1285002-1	869-3358	1+	10+	50+	100+
Extraction Tool	843473-1	348-3897				

Insulated Shorting Plugs

HARWIN



Pin Length = 4.5, Pin dia = 1.0

- 1.0mm diameter contact pins
- Available in three colours.

209530

Order Multiple=10	Price Each						
Colour	Order Code	10+	20+	100+	250+	500+	1K+
5.08 mm (0.2") Pitch							
Black	149-306						
Red	149-307						
Blue	149-308						
6.35 mm (0.25") Pitch							
Black	149-309						
Red	149-310						
10.16 mm (0.4") Pitch							
Black	149-312						
Red	149-313						
Blue	149-314						
12.7 mm (0.5") Pitch							
Black	149-315						
Red	149-316						

Uninsulated Shorting Plugs

HARWIN

Gold Plated Brass



H=9.0, Pin dia=1.0

Mfrs. List No. D3082F05 = 175-318,
D3082F06 = 175-319,

209531

Order Multiple=25	Price Per Pack					
Order Code	1+	25+	50+	100+	500+	
5.08mm (0.2")						
175-318						
10.16mm (0.4")						
175-319						

PCB Mounting Jack Sockets

HARWIN

PCB Sockets

1.0mm Pins



- Three options available with gold plated four leaf inner contacts
- Gold or outer tin body plating with plain or knurled sleeve, for slide or press fit

Mfrs. List No. H3161-01 = 149-318 H3161-05 = 149-319 H3183-05 = 150-501

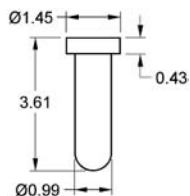
209534

Order Multiple=25	Price Each					
Order Code	25+	100+	250+	1K+	2K5+	
Tin, knurled	149-318					
Gold, knurled	149-319					
Gold, plain	150-501					
Tin, plain	207-8195					

PCB Sockets

0.5mm Pins

HARWIN



A range of sub miniature PCB sockets for 0.5mm pins

- Tapered entry for IC leads
- Four Beryllium copper contact fingers
- Gold finish with nickel undercoat

Inner contact material: Beryllium Copper
Outer shell: Beryllium Copper
Current rating @ 25°C: 2A
Temperature range: -55°C to 125°C
Max insertion force: 6N
Min withdrawal force: 0.5N
Mating Cycles: 50500 Tin - Gold
Mounting Hole Size: 1.00mm - 1.10mm

238651

Order Multiple=25	Price Each						
Mfrs. List No.	Plating	Order Code	25+	100+	250+	1K+	2K5+
H3153-05	Gold	412-8448					

Coplanar Board-to-Board

Press Fit Frame Connector

TE
connectivity

NEW



A truly unique board-to-board connector. PCB's can be connected in a coplanar fashion, with the convenience and speed of Press-Fit technology. The connector can also be used in series for greater pin count.

- Housing material: Thermo plastic
- Contact material: Phosphorous bronze

613661

No. of ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
20	2-2143362-0	182-4286					
24	2-2143362-4	182-4287					

PCB Mount Lighting Connectors

2060 Series - Push Button Terminal Block

WAGO

4mm Pitch



- Cage clamp connection technology
- Profile height of 4.5mm helps reduce shadowing in LED applications
- PCB surface mounted device
- Current rating: 9A
- Voltage rating: 250V UL1977
- Contact plating: Tin

NEW

656859

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+	500+
1	2060-401/998-404	210-2476				
2	2060-402/998-404	210-2477				
3	2060-403/998-404	210-2478				

LED Lighting Connector

JST
The Quality Connector

4mm Pitch LEB Series



NEW

Considering the luminescence properties of LED devices these connectors have a low profile height. The pre crimped leads come with a fork type contact that has high contact pressure and mating stroke to provide a stable contact even if PCB expands and contracts due to heat.

- Right angle PCB SMT
- Current rating: 3A
- Temperature range: -55°C to +105°C
- Number of ways: 2
- Voltage rating: 300V

660036

Mfrs. List No.	Order Code	1+	10+	100+	500+	1K+
Plug 02P-LEBSS-TF	206-5466					
Receptacle 02R-LEBSS-TB	206-5467					
Crimp Housing LEBRP-02V-S	206-5468					
Pre-Crimped Lead - Socket						
150mm 01SLEBSLEB-26L150	206-5469					
300mm 01SLEBSLEB-26L300	206-5470					

LED / SSL Board to Board, Wire to Board

molex

Flexi-Mate™



- Pitch: 3.7mm
- Number of circuits: 2
- Positive side latches on crimp housing
- Max voltage: 500V
- Max current: 2A
- Contact plating: Tin

NEW

Designed for LED TVs and standard LED applications, Flexi-Mate is a flexible connector solution to deliver up to 2A of power to LEDs on interconnecting panels or lighting fixtures. It includes coplanar board-to-board, wire-to-board and terminating connector's.

PCB Mount Lighting Connectors - continued

LED / SSL Board to Board, Wire to Board - continued

Flexi-Mate™ - continued

Description	Mfrs.		Price Each			
	List No.	Order Code	10+	50+	100+	1K+
Right Angle Plug	503469-0200	184-8358				
Right Angle Socket	503471-0200	184-8359				
Crimp Housing	503473-0200	184-8360				
Terminator Socket	503474-0200	184-8361				
Contact 28 - 26 AWG	503485-0000	184-8362				

Discrete SMT Wire to Board IDC Connector Poke Home

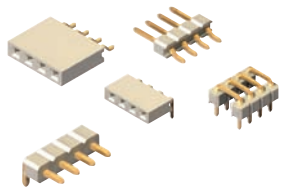


The new 9276 series connector provides a quick and reliable wire-to-board termination in a sleek 2.5mm pitch SMT package for a broad range of industrial and commercial markets.

- Pitch: 2.5mm
- Wire Range: 24-18 AWG
- Current rating: 6A
- Voltage rating: 250V AC
- Contact plating: Tin over Nickel

No. of Ways	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	50+	100+
1	009276001021106	189-1137				
2	009276002021106	189-1138				
3	009276003021106	189-1139				
4	009276004021106	189-1140				
6	009276006021106	189-1141				
8	009276008021106	189-1142				

2.54mm Pitch Board to Board Connectors



- Current rating: 3A
- Contact material: Copper alloy
- Contact plating: Gold flash
- Housing material: Polyester LCP
- Temperature range: -40°C to +105°C

No. of Ways	Mfrs.		Price Each			
	List No.	Order Code	1+	10+	100+	500+
Receptacle - SMT - Right Angle						
2	BG300-02-A-L-A	208-4261				
3	BG300-03-A-L-A	208-4262				
4	BG300-04-A-L-A	208-4263				
5	BG300-05-A-L-A	208-4264				
6	BG300-06-A-L-A	208-4265				
Receptacle - THT - Right Angle						
2	BG302-02-A-L-G	208-4271				
3	BG302-03-A-L-G	208-4273				
4	BG302-04-A-L-G	208-4274				
5	BG302-05-A-L-G	208-4275				
6	BG302-06-A-L-G	208-4276				
Header - SMT - Right Angle						
2	BG301-02-A-0540-L-B	208-4266				
3	BG301-03-A-0540-L-B	208-4267				
4	BG301-04-A-0540-L-B	208-4268				
5	BG301-05-A-0540-L-B	208-4269				
6	BG301-06-A-0540-L-B	208-4270				
Header - THT - Right Angle						
2	BG303-02-A-0300-L-G	208-4277				
3	BG303-03-A-0300-L-G	208-4278				
4	BG303-04-A-0300-L-G	208-4279				
5	BG303-05-A-0300-L-G	208-4280				
6	BG303-06-A-0300-L-G	208-4281				
Header - THT - U Shaped - Single Insulator						
2	BG304-02-A-0500-L-G	208-4282				
3	BG304-03-A-0500-L-G	208-4283				
4	BG304-04-A-0500-L-G	208-4285				
5	BG304-05-A-0500-L-G	208-4286				
6	BG304-06-A-0500-L-G	208-4287				

Ways	List No.	Mfrs.	Order Code	Price Each			
				1+	10+	100+	500+
Header - THT - U Shaped - Dual Insulator							
2	BG305-02-A-0500-L-G		208-4288				
3	BG305-03-A-0500-L-D		208-4289				
4	BG305-04-A-0500-L-D		208-4290				
5	BG305-05-A-0500-L-D		208-4291				
6	BG305-06-A-0500-L-D		208-4292				

Mini Hermaphroditic Connectors Board To Board



- Housing material: Thermal plastic
- Pin contact material: Brass
- Height: 2.3mm
- Depth: 10.8mm



No. of Ways	Width	Mfrs.		Order Code	Price Each			
		List No.			1+	10+	50+	100+
2	7mm	1971567-1		207-6165				
4	13mm	1971567-2		207-6166				
6	19mm	1971567-3		207-6167				

Micro Poke-in Wire SSL Connector



- Dimensions: 8.2 x 3.3 x 2.475mm
- Voltage Rating: 250V
- Current Rating: 3A
- Withstanding Voltage: 1500V



The Micro Poke-In Wire SSL connector is a low profile, printed circuit board connector specifically designed for LED lighting applications.

Mfrs. List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2134611-1	207-6168					

Poke-In Wire Lighting Connectors SMT and Thru-Hole



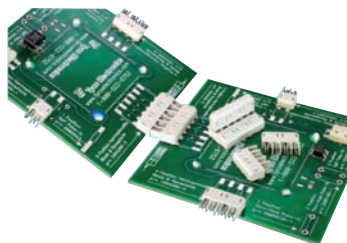
- Connectors are available in 1 and 2 positions
- Standard and low insertion force connectors available
- Accepts 18, 20 and 22 AWG solid wire; 18 and 20 AWG pre-bond

- stranded wire; 18 AWG stranded wire
- Connectors are available in both black and white colours for polarity
- Gel-filled versions are available for indoor moisture and outdoor application
- Low profile design
- Rounded corners to minimize shadowing
- Flat top surface allows for vacuum pickup
- High temperature material for reflow processing
- Redundant SMT pads prevent peeling
- Side by side stackable with pads on 4mm centers
- Cost effective alternative to hand soldering wires to PCBs

Specifications:-			
Current Rating	5A	Voltage Rating	250V AC/DC
Housing Material	LCP	Withstanding Voltage	1500VAC
Contact Plating	Tin over Nickel	Contact Material	Copper Alloy
Operating Temp.	-40°C to 105°C	Flammability Rating	UL94V-0

No. of Ways	Colour	Mfrs. List No.	Order Code	Price Each		
				1+	50+	100+
Standard Insertion Force, Surface Mount						
1	White	2008563-1	163-8938			
1	Black	2008563-2	176-1455			
2	White	1954097-1	161-9050			
Low Insertion Force, Surface Mount						
1	White	2008683-1	176-1457			
Standard Insertion Force, Thru Hole						
1	White	2008839-1	163-8939			
2	White	2008106-1	163-8937			
Low Insertion Force, Thru Hole						
1	Black	1-2008683-3	176-1462			
2	White	2008683-4	176-1463			
Standard Insertion Force, Gel-Filled, Surface Mount						
1	White	2008994-1	176-1466			
2	White	1954785-1	176-1465			

Hermaphroditic Blade and Receptacle Connectors

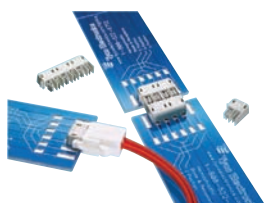


The Hermaphroditic Blade and Receptacle connector is a new SMT connector and is intended for use with in-line board-to-board LED lighting applications such as LED controls, LED lighting modules, incandescent lighting strips and channel lettering.

High Temp. Thermoplastic Copper Alloy Tin 5A 90V AC/DC 1500VAC -40 to 105°C

Mftrs. List No.	Colour	No. of Ways	Order Code	5+	50+	100+	500+
1954289-1	White	2	163-8940				
1-1954289-1	Black	2	163-8941				
1954289-2	White	4	163-8942				
1-1954289-2	Black	4	163-8943				
1954289-3	White	6	163-8945				
1-1954289-3	Black	6	163-8946				

Hermaphroditic Blade & Receptacle Connectors - B2B / W2B



The Wire-to-Board connector is a new plug connector that mates to the new SMT Hermaphroditic Blade and Receptacle Board-to-Board connectors. The connector provides power to the first LED PCB in a string of rigid PCB light strips. The hermaphroditic blade and receptacle connector is a new SMT connector and is intended for use with in-line board-to-board applications.

W2B Key Features:-

- Available in 2, 4 and 6 positions
- Connector mates to new Hermaphroditic Blade and Receptacle B2B part numbers
- Positive latching
- Connector accepts crimp snap contacts
- Contacts accept 18-22 AWG stranded wire

B2B Key Features:-

- Available in 2, 4, and 6 positions
- Connector mates to itself
- Single part to be stocked and placed onto PCB per position
- Connector mates and unmates horizontally and vertically
- Connector can be articulated from 90° to 180°
- Low profile flat surface is compatible with SMT and reflow processing
- Rounded corners to minimize shadowing
- Redundant SMT pads
- Solder pad footprint compatible with TE's SMT Poke-In LED connector

Specifications:-

Current Rating	6A	Voltage Rating	125V AC/DC
Contact Material	Copper	Withstanding Voltage	1500VAC
Contact Plating	Tin	Housing Material	LCP (B2B Connector) PBT (W2B Connector)
Pitch			
Operating Temp.	-40°C to 105°C		

Order Multiple = 5	No. of Ways	Colour	Mftrs. List No.	Order Code	5+	50+	100+	500+

W2B Blade & Receptacle Housings

2	Natural	2058299-1	176-1472				
2	Black	1-2058299-1	176-1473				
4	Natural	2058299-2	176-1474				
4	Black	1-2058299-2	176-1475				
6	Natural	2058299-3	176-1476				
6	Black	1-2058299-3	176-1477				

Blade Contacts, 18-22 AWG

Strip	2058301-1	176-1478					
Loose Pieces	2058301-2	176-1479					

Socket Contacts, 18-22 AWG

Strip	2058302-1	176-1480					
Loose Pieces	2058302-2	176-1482					

Cable Assemblies, Length = 101.6mm

2	White	2058300-1	176-1483				
4	White	2058300-2	176-1484				
6	White	2058300-3	176-1485				
2	Black	1-2058300-1	176-1486				
4	Black	1-2058300-2	176-1487				
6	Black	1-2058300-3	176-1488				

B2B Blade & Receptacle SMT Connectors

2	White	2058703-1	176-1489				
2	Black	1-2058703-1	176-1490				
4	White	2058703-2	176-1491				

No. of Ways	Colour	Mftrs. List No.	Order Code	5+	50+	100+	500+

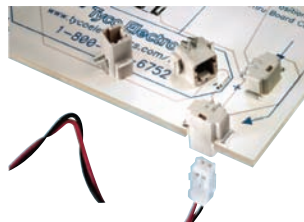
B2B Blade & Receptacle SMT Connectors

4	Black	1-2058703-2	176-1492				
6	White	2058703-3	176-1494				
6	Black	1-2058703-3	176-1495				

Dust Covers for B2B Connectors

2	White	2058128-1	176-1496				
4	White	2058128-2	176-1497				
6	White	2058128-3	176-1498				

Inverted SMT Thru Board Connectors & Mini CT Cable Assemblies



The Inverted SMT Thru Board Connector provides a means to bring power to LED aluminum clad and FR4 boards from the underside of the PCB.

Key Features:-

- Eliminates wire dress management issues with discreet wire leads around the surface of the LED PCB
- Accepts 2 thru 6 Position TE Mini CT Connectors
- Low profile design
- Rounded corners to minimize shadowing
- Connector is positioned through cutout or notch in PCB
- Surface mount hold downs provide stability during mating and unmating
- High temperature material for reflow processing
- Flat top surface allows for vacuum pick up
- Applications - LED lighting controls, Indoor and outdoor lighting fixtures, General LED illumination fixtures, Various non-lighting applications requiring wire dress connections below the PCB

Specifications:-

Contact Material	Copper Alloy	Contact Plating	Tin over Nickel
Housing Material	High Temp. Thermoplastic	Flammability Rating	UL94V-0
Pitch	1.5mm	Operating Temp.	-40°C to 105°C
Current Rating	28 AWG = 1.5A 26 AWG = 2A 24 AWG = 3A	Voltage Rating	70V

No. of Ways	Mftrs. List No.	Order Code	5+	50+	100+	500+

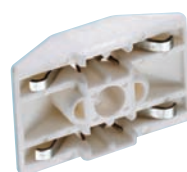
Connectors

2	2106091-1	176-1499				
3	2106091-2	176-1501				
4	2106091-3	176-1502				
5	2106091-4	176-1503				
6	2106091-5	176-1504				

Cable Assemblies, Mini CT Connector - Free End, Length = 158.8mm, 24AWG

2	2058943-1	176-1505				
3	2058943-2	176-1506				
4	2058943-3	176-1507				
5	2058943-4	176-1508				
6	2058943-5	176-1509				

Board to Board Screw Down Jumper Assembly



The Board to Board Screw-Down Jumper Assembly provides the electrical connection between two adjacent printed circuit boards in a string of printed circuit boards. Applications include T8-T12 fluorescent retrofit LED bulbs, LED lighting strips and LED lighting controls

NEW

- 2 position connection assembly
- Connector assembly fits onto 16.50 mm wide printed circuit board
- 7.0mm printed circuit board spacing

Contact Material	Copper Alloy	Contact Plating	Tin
Insulation Resistance	1500	Flammability Rating	UL 94V-0
Operating Temp.	-40°C to 105°C	Insulator Material	PBT (Polybutylene terephthalate)
Current Rating	5A	Voltage Rating	250VAC

No. of Position	Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
2	2106154-1	179-4774					

PCB Mount Lighting Connectors - continued

G13 Style SMT Assembly and End Cap Cover



The two position G13 Style SMT Assembly and End Cap Cover are designed for use on printed circuit board LED strip lighting modules in T8 and T12 fluorescent retrofit LED tubes.

NEW

- Operating current: 2 A
- Operating voltage: 250 VAC/DC
- Pitch: 12.7 mm
- Contact Material: Tin plated brass

605797

Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
SMT Assembly						
2106646-1	179-4775	●				
End Cap Cover						
2106150-1	179-4776	●				

Power PCB Connectors

Radsock PCB Power Sockets



Solder

Card edge

Press-fit

NEW

- High power to board interconnect in a small package
- Touchproof cover
- Reduces failure modes, eliminates burn outs
- Contact plating: Silver
- Contact termination: Solder

630883

Contact Current	Mfrs. List No.	Order Code	1+	5+	10+	25+	100+
Solder							
2.4 mm 50 A	C10-642495-241	189-4630	●				
2.4 mm 50 A	C10-665340-001	189-4632	●				
3.6 mm 80 A	C10-642865-001	189-4633	●				
3.6 mm 80 A	C10-665213-001	189-4635	●				
3.6 mm 80 A	C10-665215-001	189-4636	●				
Press-fit							
2.4 mm 50 A	C10-639772-001	189-4631	●				
3.6 mm 80 A	C10-642449-001	189-4634	●				
3 mm 70 A	C10-639323-000	189-4641	●				
Card Edge							
3.6 mm 80 A	C10-639801-000	189-4637	●				
5.7 mm 120 A	C10-639800-000	189-4639	●				

ICCON Single Pole Power Connectors



- Current rating: 35A
- Voltage rating: 250 VAC
- Contact material: Copper Alloy
- Contact plating: Silver

NEW

662565

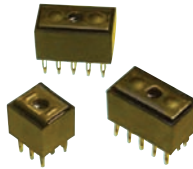
Mounting Type	Mfrs. List No.	Order Code	1+	10+	50+	100+
Single Pin - Right Angle						
THT Solder	6643281-1	213-1164	●			
Press Fit	6643275-1	213-1165	●			
Single Pin - Straight						
THT Solder	6643283-1	213-1167	●			
Press Fit	6643274-1	213-1168	●			
Single Socket - Right Angle						
THT Solder	6643232-1	213-1169	●			
Press Fit	6643272-1	213-1170	●			
Single Socket - Straight						
THT Solder	6643264-1	213-1172	●			
Press Fit	6643269-1	213-1173	●			
Dual Socket - Right Angle						
Press Fit	2085181-1	213-1174	●			

Mounting Type	Mfrs. List No.	Order Code	1+	10+	50+	100+
Single Stacked Pin						
Pin Length						
16mm	1766663-1	213-1175	●			
18mm	1766663-2	213-1176	●			
20mm	1766663-6	213-1177	●			

Press Fit Connector **EXTreme ZPower™**

molex

NEW



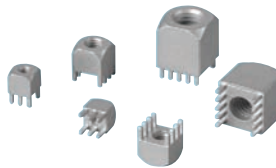
EXTreme ZPower is a high-current, rigid, board-to-board and wire-to-board mezzanine style interconnect designed to transfer power loads from one PCB to another.

- Max. voltage: 250V
- Contact: Copper Alloy
- Contact plating: Gold

615977

Max. current per contact (A)	No. of contacts	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
50	10	76001-0010	184-0129	●				
30	6	76001-0006	184-0130	●				

Power Elements with rigid Pins



- Material: CuZn 39 Pb3
- Body material: Copper
- Plating: Tin
- Press force: max. 250 N per Pin
- Maximum current per pin: 10 A
- Holding force 30 N
- Torque 0.6 N per Pin

NEW

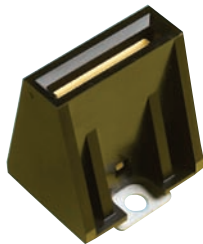
621179

Pins	Thread Size	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
Bushes with two Rows Pin-Plate								
6		7461057	182-1270	●				
8		7460307	182-1272	●				
8		7460305	182-1273	●				
8		7461084	182-1274	●				
10		7460553	182-1275	●				
12		7461058	182-1276	●				
Bushes with Pin-Plate Circumferences								
8		7461148	182-1277	●				
12		7461086	182-1278	●				
12		7460408	182-1279	●				
20		7461090	182-1280	●				
20		7461060	182-1281	●				
Bushes and Shanks with full plain Pin-Plate								
9		7461093	182-1282	●				
9		7461094	182-1284	●				
16		7461095	182-1285	●				
9		7461096	182-1286	●				
16		7461147	182-1287	●				
16		7461383	182-1288	●				
16		7461097	182-1289	●				
25		7461098	182-1290	●				
25		7461099	182-1291	●				
25		7460719	182-1292	●				
36		7461061	182-1293	●				
36		7461100	182-1294	●				
Power Elements 90° with two Rows Pin-Plate								
6		7461101	182-1296	●				
6		7461062	182-1297	●				
8		7461063	182-1298	●				
8		7461102	182-1299	●				
8		7461103	182-1300	●				
8		7461104	182-1302	●				
10		7461106	182-1303	●				
10		7461107	182-1304	●				
10		7461108	182-1305	●				
10		7461064	182-1306	●				
Power Elements 90° with full plain Pin-Plate								
9		7461066	182-1307	●				
9		7461110	182-1308	●				
16		7461111	182-1309	●				
16		7461067	182-1310	●				
16		7461112	182-1311	●				
16		7461113	182-1312	●				
25		7461114	182-1314	●				

Thread Mfrs.			Price Each					
Pins	Size	List No.	Order Code	1+	10+	50+	100+	500+
Power Elements 90° with full plain Pin-Plate								
25		7461115	182-1315					
25		7461068	182-1316					
25		7461116	182-1317					
36		7461117	182-1318					
36		7461069	182-1319					

Bus Bar Xocket

Hot-Pluggable, High-Current



This BBC is a compact, high current connector for direct mating of two perpendicular power bus bars. Typical applications include Telecommunication equipment, high/mid range computing and Bus Bar power distribution.

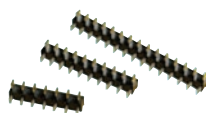
- Low voltage drop for minimal heat generation
- Isolated left and right contacts
- Current Rating up to 320A
- Top entry



Mfrs. List No.	Order Code	1+	10+	50+
45711-1000	151-6181			

High Current Board To Board Header

EXTreme MicroPower™



Designed for high-current density applications, Molex's EXTreme Micro-Power header is soldered directly to PCBs, providing versatile solutions with a low profile design.

- Board to Board right angle connection
- Pitch: 4mm
- Current: 16A per blade
- Max. voltage: 250V
- Contact material: Copper alloy



NEW

No. of ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
7	75730-0207	184-0184					
10	75730-0210	184-0185					
16	75730-0216	184-0187					

Low Profile High Current Connector

EXTreme LPHPower™



- Last-mate/first-break available on power contacts
- Max. current per contact: 30A
- Profile height: 7.5mm



NEW

High-current, low-profile connector extends mounting flexibility to backplane or midplane mating applications. It is a mixed, high-current power and signal connector system. Designed with power blades parallel to the PC board, it has low-profile height.

No. of Contacts	Mfrs. List No.	Order Code	1+	5+	10+	25+
-----------------	----------------	------------	----	----	-----	-----

Receptacle - Right Angle						
20	45984-4122	184-0131				
28	45984-4142	184-0132				
30	45984-6142	184-0135				
38	45984-6162	184-0136				
32	45984-8142	184-0140				
40	45984-8162	184-0141				
26	45984-1122	184-0144				
42	45984-1162	184-0145				

Receptacle - Right Angle - Guide Posts						
20	45984-4422	184-0133				
28	45984-4442	184-0134				
30	45984-6442	184-0138				
38	45984-6462	184-0139				
32	45984-8442	184-0142				
40	45984-8462	184-0143				
26	45984-1422	184-0146				
42	45984-1462	184-0147				

Receptacle - Straight						
14	46114-2121	184-0158				
18	46114-2161	184-0159				
20	46114-4161	184-0160				
28	46114-4241	184-0161				
30	46114-6241	184-0165				

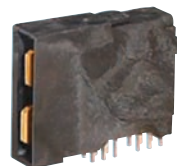
No. of Contacts	Mfrs. List No.	Order Code	1+	5+	10+	25+
Receptacle - Straight						
38	46114-6321	184-0166				
32	46114-8241	184-0169				
40	46114-8321	184-0170				
26	46114-1017	184-0173				
42	46114-1033	184-0175				
36	46114-1225	184-0178				
38	46114-1425	184-0179				

Receptacle - Straight - Guide Posts						
20	46114-4160	184-0163				
28	46114-4240	184-0164				
30	46114-6240	184-0167				
38	46114-6320	184-0168				
32	46114-8240	184-0171				
40	46114-8320	184-0172				
26	46114-1016	184-0176				
42	46114-1032	184-0177				

Plug - Right Angle - Guide Posts						
20	45985-4422	184-0148				
28	45985-4442	184-0151				
30	45985-6442	184-0152				
38	45985-6462	184-0153				
32	45985-8442	184-0154				
40	45985-8462	184-0155				
26	45985-1422	184-0156				
42	45985-1462	184-0157				

High Current Board To Board Connector

EXTreme PowerMass™



EXTreme PowerMass is designed to support power supplies and systems requiring very high-current transfer in challenging and thermal-constrained spaces.

- Board To Board Power Connector
- Colour: Black
- Contact Plating: Gold
- Operating Temperature: -40°C to +105°C



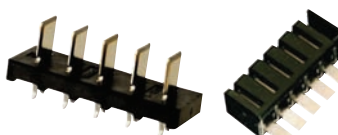
NEW

No. Of Rows	Max. Current Per Contact (A)	Mfrs. List No.	Order Code	1+	10+	50+	100+
-------------	------------------------------	----------------	------------	----	-----	-----	------

Plug - Right Angle							
1	150	75556-5000	184-0180				
2	80	75561-5000	184-0181				

Receptacle - Right Angle							
1	150	75542-5000	184-0182				
2	80	75545-5000	184-0183				

Battery Interconnection System



- Blade contacts for high reliability
- Number of ways: 5
- Pitch spacing: 5mm
- Max. current: 7A per contact



NEW

Gender	Mfrs. List No.	Order Code	1+	10+	100+	250+
Header	5787444-1	187-7700				
Receptacle	787613-1	187-7701				

PCB Mounting Terminal Blocks

PCB Terminal Block

1 Way



- Housing Material: PA66
- Contact Material: Brass
- Contact Plating: Tin
- Wire Size: 24AWG to 14AWG
- Voltage Rating: 300V
- Current Rating: 12A
- Operating Temperature: -40°C to 105°C

NEW

Mfrs. List No.	Order Code	5+	50+	100+	500+	1K+
MC000017	200-7984					

PCB Mounting Terminal Blocks - continued



PTSM Series, THR, 6A 2.5mm Pitch



NEW



- Compact THR PCB terminal blocks
- Spring-cage connection
- Double solder pins for high stability
- Plug-in method with a release button

Current Rating	6A	Wire Size	0.14mm ² to 0.5mm ²
Voltage Rating	63V	Insulating Material	LCP

604828

No. of Mftrs.	Ways List No.	Order Code	Price Each				
			1+	10+	50+	100+	250+
Horizontal							
2	PTSM 0,5/ 2-2,5-H-THR	179-3782					
3	PTSM 0,5/ 3-2,5-H-THR	179-3783					
4	PTSM 0,5/ 4-2,5-H-THR	179-3784					
5	PTSM 0,5/ 5-2,5-H-THR	179-3785					
6	PTSM 0,5/ 6-2,5-H-THR	179-3786					
7	PTSM 0,5/ 7-2,5-H-THR	179-3787					
8	PTSM 0,5/ 8-2,5-H-THR	179-3788					
Vertical							
2	PTSM 0,5/ 2-2,5-V-THR	179-3789					
3	PTSM 0,5/ 3-2,5-V-THR	179-3790					
4	PTSM 0,5/ 4-2,5-V-THR	179-3791					
5	PTSM 0,5/ 5-2,5-V-THR	179-3793					
6	PTSM 0,5/ 6-2,5-V-THR	179-3794					
7	PTSM 0,5/ 7-2,5-V-THR	179-3795					
8	PTSM 0,5/ 8-2,5-V-THR	179-3796					

PTSA Series 2A 2.5mm Pitch



- PCB termination blocks with offset pins
- Mechanical stability increased thanks to zig-zag pinning
- Compact type and direct plug-in method
- Angled spring-cage PCB Terminal blocks

NEW

Current Rating	2A	Insulating Material	PA
Voltage Rating	160V	Color	Green
Wire Size	0.14mm ² to 0.5mm ²		604852

No. of Mftrs.	Ways List No.	Order Code	Price Each			
			1+	10+	50+	250+
2	PTSA0,5/ 2-2,5-Z	179-2951				
3	PTSA0,5/ 3-2,5-Z	179-2952				
4	PTSA0,5/ 4-2,5-Z	179-2953				
5	PTSA0,5/ 5-2,5-Z	179-2954				
6	PTSA0,5/ 6-2,5-Z	179-2955				
7	PTSA0,5/ 7-2,5-Z	179-2956				
8	PTSA0,5/ 8-2,5-Z	179-2958				
9	PTSA0,5/ 9-2,5-Z	179-2959				
10	PTSA0,5/10-2,5-Z	179-2960				
11	PTSA0,5/11-2,5-Z	179-2961				
12	PTSA0,5/12-2,5-Z	179-2962				
13	PTSA0,5/13-2,5-Z	179-2963				
14	PTSA0,5/14-2,5-Z	179-2964				
15	PTSA0,5/15-2,5-Z	179-2965				
16	PTSA0,5/16-2,5-Z	179-2966				

Connectors

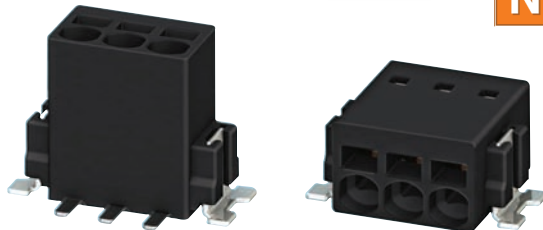
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Connectors - PCB

PTSM Series, 6A 2.5mm Pitch



NEW



- Compact SMD PCB terminal blocks
- Spring-cage connection
- Rugged soldering anchors for safe mechanical fastening on the surface
- Plug-in method with a release button

Current Rating	6A	Wire Size	0.14mm ² to 0.5mm ²
Voltage Rating	32V	Insulating Material	LCP

604829

No. of Mftrs.	Ways List No.	Order Code	Price Each				
			1+	10+	50+	100+	250+
Horizontal							
2	PTSM 0,5/ 2-2,5-H-SMD	179-3797					
3	PTSM 0,5/ 3-2,5-H-SMD	179-3798					
4	PTSM 0,5/ 4-2,5-H-SMD	179-3799					
5	PTSM 0,5/ 5-2,5-H-SMD	179-3800					
6	PTSM 0,5/ 6-2,5-H-SMD	179-3801					
7	PTSM 0,5/ 7-2,5-H-SMD	179-3802					
8	PTSM 0,5/ 8-2,5-H-SMD	179-3803					
Vertical							
2	PTSM 0,5/ 2-2,5-V-SMD	179-3804					
3	PTSM 0,5/ 3-2,5-V-SMD	179-3805					
4	PTSM 0,5/ 4-2,5-V-SMD	179-3806					
5	PTSM 0,5/ 5-2,5-V-SMD	179-3807					
6	PTSM 0,5/ 6-2,5-V-SMD	179-3808					
7	PTSM 0,5/ 7-2,5-V-SMD	179-3811					
8	PTSM 0,5/ 8-2,5-V-SMD	179-3812					

PTQ Series 4A 2.5mm Pitch



NEW



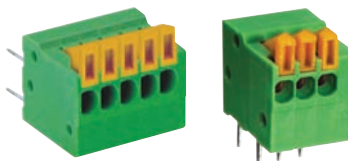
- Current rating: 4A
- Nominal Voltage: 160 V
- Colour: Black

649850

No. of Mftrs.	Ways List No.	Order Code	1+	10+	50+	100+	250+
2	1702610	207-2364					

2.54mm Screw less PCB Terminal

NEW



Type 1

Type 2

- Current rating: 16A
- Voltage rating: 150V AC
- Contact material: Brass
- Contact plating: Tin

641333

No. of Mftrs.	Ways List No.	Order Code	Price Each			
			1+	50+	100+	500+
Type 1						
2	MC000001	200-7967				
3	MC000002	200-7968				
4	MC000003	200-7969				
5	MC000004	200-7970				
6	MC000005	200-7971				
8	MC000006	200-7972				
10	MC000007	200-7973				
12	MC000008	200-7974				
Type 2						
2	MC000009	200-7975				
3	MC000010	200-7977				
4	MC000011	200-7978				
5	MC000012	200-7979				
6	MC000013	200-7980				
8	MC000014	200-7981				
10	MC000015	200-7982				
12	MC000016	200-7983				

PCB Terminal Blocks



Open Construction

Lift System, Moulded Housing

Spring Contact

- Single terminal block
- Solderable
- Horizontal wire entry

- Open construction / lift system
- Double solder pins
- Screw brought down by hand

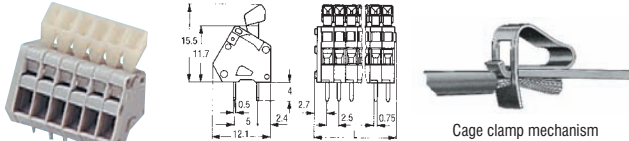
Mftrs. List No.	Rated Current	Rated Voltage	AWG	Tightening Torque	Solder Pin Dimension	PCB Hole \varnothing	Solder Pin Length
360272	15A	-	14-26	3.5 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360410	15A	-	18-30	4.4 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360322	15A	-	16-30	6 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360291	15A	50V	14-22	7 lb-in max.	2 x 1.0mm	1.5mm	3.5mm

528782

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Open Construction							
1	360272	168-8167					
1	360410	168-8168					
Open Construction, Wire Protector							
1	360322	168-8171					
Lift System, Moulded Housing							
1	360291	168-8174					

Cage Clamp 6A

2.5mm Pitch



PCB hole dia. = 1.1

$L = (\text{No. of poles} \times 2.5) + 2.3$

- Vibration proof spring cage for fast reliable operation
- Lever action operation, accommodates wire strip length 5-6mm

- End stackable by removing one end plate
- Approvals **CSA** (4A @ 150V) and **BV**.
- **UL** (4A @ 125V),

Maximum voltage	250V ac (Group A) 125V ac (Group B)	Cage clamp spring Contact Housing Colour Wire size	Chrome nickel spring steel Copper, tin/lead plated Nylon 6.6 Light Grey 0.08-0.5mm ²
Current rating	6A		
Maximum temperature	105°C		
Mftrs. List Nos:	233202=1283532, 233206=1283536,	233203=1283533, 233208=1283537,	233204=1283535, 233212=1283538

209422

No. of Ways	Order Code	1+	50+	100+	500+	1K+
2	128-3532					
3	128-3533					
4	128-3535					
6	128-3536					
8	128-3537					
12	128-3538					

MPT Series 6A

2.54mm Pitch



- Multi position micro printed circuit termination block
- Pitch 2.54mm
- Screw termination
- Use in miniature modules or in terminal equipment

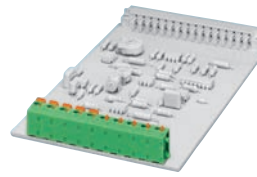
Wire Size	0.14mm ² to 0.5mm ²	Suitable Screwdriver	0.4 x 2.0mm blade
Current Rating	6A		

230246

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	25+	100+	250+
2	MPT0.5/2-2.54	1725656	304-1359				
3	MPT0.5/3-2.54	1725669	304-1360				
4	MPT0.5/4-2.54	1725672	304-1414				
6	MPT0.5/6-2.54	1725698	304-1426				
8	MPT0.5/8-2.54	1725711	304-1438				

FFKDS Series 15A

2.54mm Pitch



- Spring terminal block with lever actuation
- Single contact, can be stacked individually
- Horizontal and right angled version
- Pitch 2.54mm

Wire Size	0.14 - 1.5mm ²
Current Rating	12A/1.5mm ²

230257

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	20+	50+	100+
Spring Terminal Block							
1	Horizontal	FFKDS/H-2.54	1791826	304-1050			
1	Vertical	FFKDS/V-2.54	1791813	304-1062			

LM Series. PCB Terminal Blocks

3.5mm pitch



- A range of terminals in 3.5mm pitch
- Rising clamp technology for cable size up to 1.5mm²
- Modular stacking for double level or high density requirements
- End to end stacking without loss of Pitch
- **CSA** and **VDE** approved, **UL** recognised

Maximum Voltage	300V	Flammability Class	UL94V-2
Current Rating	10A	Material	PA66

339306

No. of Ways	Mftrs. List No.	Order Code	5+	25+	100+	250+	500+
Low Level Terminals							
2	LM3.5/02/90 3.2	113-1857					
3	LM3.5/03/90 3.2	113-1858					
Double Level Terminals							
4	LM 2N 3.5/4	113-1861					
8	LM 2N 3.5/8	113-1865					
10	LM 2N 3.5/10	113-1866					
12	LM 2N 3.5/12	113-1867					
16	LM 2N 3.5/16	113-1868					

Interlocking Ultra Low Profile Terminal Blocks 9A



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment/anti wicking
- Approvals: **CE**, **UL** recognised

$H = 9.1, W = 7.3, \text{Pitch} = 3.5, \text{PCB hole dia.} = 1.1$

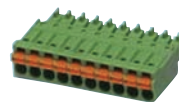
Maximum Voltage	130V	Maximum Wire Size	0.75mm ²
Current Rating	9A	Clamping Screw	M2 Zinc plated Steel 0.3Nm
Temperature Range	-20°C to 125°C	Housing Colour	UL94V-0 Green
Rising Clamp	Nickel plated Brass		

232101

Mftrs. List No.	Order Code	1+	100+	500+	1K+
2 way	CTB0305/2	388-2639			
3 way	CTB0305/3	388-2640			

FCM 1.5 Series 8A

3.5mm Pitch



- Mini COMBICON connectors
- Push-in spring-cage connection
- Extremely flat design (7.8mm)
- Plug-in direction parallel to the conductor axis

NEW

Current Rating	8A	Wire Size	0.2mm ² to 1.5mm ²
Voltage Rating	160V	Insulating Material	PA

PCB Mounting Terminal Blocks - continued



FCM 1.5 Series 8A - continued

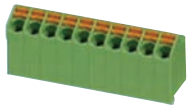
3.5mm Pitch - continued

604808

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	FMC 1,5/2-ST-3.5	179-3745					
3	FMC 1,5/3-ST-3.5	179-3746					
4	FMC 1,5/4-ST-3.5	179-3747					
5	FMC 1,5/5-ST-3.5	179-3748					
6	FMC 1,5/6-ST-3.5	179-3749					
8	FMC 1,5/8-ST-3.5	179-3750					
10	FMC 1,5/10-ST-3.5	179-3751					

SPTA 1 Series 9A

3.5mm Pitch



- PCB terminal block
- Angled spring-cage connection (45°)
- Push-in direct plug-in system
- Opening lever available

NEW

Current Rating 9A Wire Size 0.2mm² to 1.5mm²
Voltage Rating 160V Insulating Material PA

604805

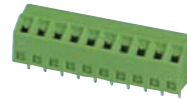
No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	SPTA 1/2-3.5	179-3729					
3	SPTA 1/3-3.5	179-3730					
4	SPTA 1/4-3.5	179-3732					
5	SPTA 1/5-3.5	179-3733					
6	SPTA 1/6-3.5	179-3734					
8	SPTA 1/8-3.5	179-3735					
10	SPTA 1/10-3.5	179-3736					

SMKDS Series 10A

3.5 mm Pitch

- Screw connection
- 55° angled connection direction

NEW



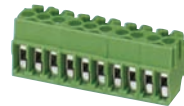
Current Rating 10A Wire Size 0.14mm² to 1.5mm²
Voltage Rating 160V Insulating Material PA
Suitable screwdriver 0.4 x 2.5mm blade

604652

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	SMKDS 1/2-3.5	179-2815					
3	SMKDS 1/3-3.5	179-2816					
4	SMKDS 1/4-3.5	179-2818					
5	SMKDS 1/5-3.5	179-2819					
6	SMKDS 1/6-3.5	179-2820					
8	SMKDS 1/8-3.5	179-2821					
10	SMKDS 1/10-3.5	179-2822					

PT 1.5 Series 8A

3.5 mm Pitch



Current Rating 8A Wire Size 0.2mm² to 1.5mm²
Voltage Rating 160V Insulating Material PA
Suitable screwdriver 0.4 x 2.5mm blade

NEW

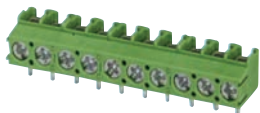
- Screw connection
- Horizontally and vertically pluggable on a PST 1.0/...-3.5 male connector

604641

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	PT 1,5/2-PVH-3.5	179-2784					
3	PT 1,5/3-PVH-3.5	179-2785					
4	PT 1,5/4-PVH-3.5	179-2786					
5	PT 1,5/5-PVH-3.5	179-2788					
6	PT 1,5/6-PVH-3.5	179-2789					
8	PT 1,5/8-PVH-3.5	179-2790					
10	PT 1,5/10-PVH-3.5	179-2791					

PT 1.5 Series 8A

3.5mm Pitch



- PCB terminal block
- Screw connection
- Horizontally pluggable on a PST 1.0/...-3.5 male connector

NEW

Current Rating 8A Wire Size 0.2mm² to 1.5mm²
Voltage Rating 160V Insulating Material PA

604791

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	PT 1,5/2-PH-3.5	179-3691					
3	PT 1,5/3-PH-3.5	179-3692					
4	PT 1,5/4-PH-3.5	179-3693					
5	PT 1,5/5-PH-3.5	179-3694					
6	PT 1,5/6-PH-3.5	179-3695					
8	PT 1,5/8-PH-3.5	179-3696					
10	PT 1,5/10-PH-3.5	179-3697					

PTSA Series 2A

3.5mm Pitch



Current Rating 2A Wire Size 0.5mm² to 1.5mm²
Voltage Rating 250V Insulating Material PA
Color Green

NEW

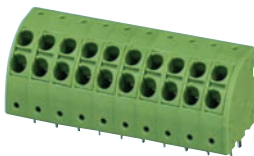
- PCB termination blocks with offset pins
- Mechanical stability increased thanks to zig-zag pinning
- Compact type and direct plug-in method
- Angled spring-cage PCB Terminal blocks

604638

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	PTSA 1,5/2-3,5-Z	179-2769					
3	PTSA 1,5/3-3,5-Z	179-2770					
4	PTSA 1,5/4-3,5-Z	179-2771					
5	PTSA 1,5/5-3,5-Z	179-2772					
6	PTSA 1,5/6-3,5-Z	179-2773					
8	PTSA 1,5/8-3,5-Z	179-2774					
10	PTSA 1,5/10-3,5-Z	179-2776					

PTDA Series 13.5A

3.5mm Pitch



- Angled PCB terminal block
- Spring-cage double connection
- Plug-in method with a release button

NEW

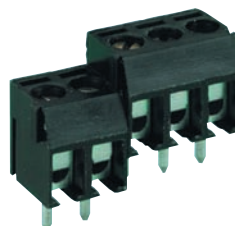
Current Rating 13.5A Wire Size 0.2mm² to 1.5mm²
Voltage Rating 200V Insulating Material PA

604759

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	PTDA 1,5/2-3.5	179-3667					
3	PTDA 1,5/3-3.5	179-3668					
4	PTDA 1,5/4-3.5	179-3669					
5	PTDA 1,5/5-3.5	179-3670					
6	PTDA 1,5/6-3.5	179-3671					
8	PTDA 1,5/8-3.5	179-3672					
10	PTDA 1,5/10-3.5	179-3673					

Interlocking Ultra Low Profile Terminal Blocks 10A

3.5mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Stainless steel wire protector
- Guided pin alignment/anti wicking
- UL & CSA recognised

H = 8.40, W = 7.0, Pitch = 3.5, PCB hole dia. = 1.1

Maximum Voltage	125V	Maximum Wire Size	1mm ²
Current Rating	10.0A	Clamping Screw	M2 Zinc plated Steel 0.4Nm
Temperature Range	-33°C to 125°C	Housing	UL94V-0
Rising Clamp	Stainless Steel	Colour	Black

232099

Mftrs.		Price Each			
List No.	Order Code	1+	100+	500+	1K+
2 way	CTB3051/2	388-2615			
3 way	CTB3051/3	388-2627			

Interlocking Ultra Low Profile Terminal Blocks 9A

3.81mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment/anti wicking
- Approvals: CE, UL recognised

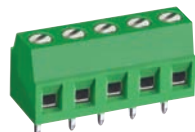
H = 9.10, W = 7.3, Pitch = 3.81, PCB hole dia. = 1.1

Maximum Voltage	130V	Maximum Wire Size	0.75mm ²
Current Rating	9.0A	Clamping Screw	M2 Zinc plated Steel 0.4Nm
Temperature Range	-20°C to 125°C	Housing	PA66 UL94V-0
Rising Clamp	Nickel plated Brass	Colour	Green

232102

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	100+	500+	1K+
2	CTB0308/2	388-2652				
3	CTB0308/3	388-2664				

3.81mm Screw Single Mold PCB Terminal



- Current rating: 10A
- Voltage rating: 300V AC
- Wire range: 16 - 26 AWG
- Contact material: Brass
- Contact plating: Tin
- Insulating body material: Polyamide 66

641339

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	50+	100+	500+
2	MC000018	200-7985				
3	MC000019	200-7986				
4	MC000020	200-7987				
5	MC000021	200-7989				
6	MC000022	200-7991				
8	MC000023	200-7992				
10	MC000024	200-7993				
12	MC000025	200-7994				

3.81mm Screw Terminal Block



Modular



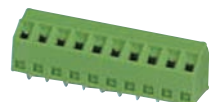
- Right angle through hole
- Current rating: 8A
- Voltage rating: 300V AC
- Wire range: 16 - 26 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide

641367

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+
2	MC000044	200-8015				
3	MC000045	200-8016				

SMKDS 1 Series 10A

3.81mm Pitch



- PCB terminal block
- Screw connection
- 55° angled connection direction



Current Rating	10A	Wire Size	0.14mm ² to 1.5mm ²
Voltage Rating	160V	Insulating Material	PA

604851

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	10+	50+	100+	250+
2	SMKDS1/ 2-3.81	179-2943					
3	SMKDS1/ 3-3.81	179-2944					
4	SMKDS1/ 4-3.81	179-2946					
5	SMKDS1/ 5-3.81	179-2947					
6	SMKDS1/ 6-3.81	179-2948					
8	SMKDS1/ 8-3.81	179-2949					
10	SMKDS1/10-3.81	179-2950					

MKDS1 Series 10A

3.81mm Pitch



- Multi position printed circuit termination blocks
- Pitch 3.81mm
- Insulating Material Group 1

Wire Size	0.14mm ² to 1.5mm ²
Current Rating	10A
Surge Voltage Category	III
Contamination Class	3
Rated Voltage	160
Rated Surge Voltage	2.5
Surge Voltage Category	III
Contamination Class	2
Rated Voltage	160
Rated Surge Voltage	2.5
Surge Voltage Category	II
Contamination Class	2
Rated Voltage	320
Rated Surge Voltage	320

230326

No. of Mftrs.		Price Each					
Ways	Type No.	List No.	Order Code	1+	25+	100+	250+
2	MKDS1/2-3.81	1727010	370-4579				
3	MKDS1/3-3.81	1727023	370-4580				
4	MKDS1/4-3.81	1727036	370-4592				
5	MKDS1/5-3.81	1727049	370-4609				
6	MKDS1/6-3.81	1727052	370-4610				
7	MKDS1/7-3.81	1727065	370-4622				
8	MKDS1/8-3.81	1727078	370-4634				
9	MKDS1/9-3.81	1727081	370-4646				
10	MKDS1/10-3.81	1727094	370-4658				
11	MKDS1/11-3.81	1727104	370-4660				
12	MKDS1/12-3.81	1727117	370-4671				

5mm Pitch Clamp PCB Terminal

Modular



- 45° angled through hole mounting
- Current rating: 10A
- Voltage rating: 300V AC
- Wire range: 12 - 24 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyester

641361

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	100+	500+
2	MC000042	200-8012				
3	MC000043	200-8013				

5mm Screw PCB Terminal



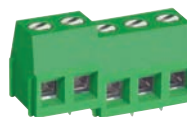
- Right angle through hole mounted
- Current rating: 16A
- Voltage rating: 300V AC
- Wire range: 12 - 26 AWG
- Contact material: Brass
- Contact plating: Tin
- Insulation material: Polyamide 66

641355

No. of Mftrs.		Price Each					
Ways	List No.	Order Code	1+	50+	100+	500+	1K+
2	MC000026	200-7995					
3	MC000027	200-7996					
4	MC000028	200-7997					
5	MC000029	200-7998					
6	MC000030	200-7999					
8	MC000031	200-8000					
10	MC000032	200-8001					
12	MC000033	200-8003					

5mm Pitch Screw Terminal

Modular



- Right angle through hole mounted
- Current rating: 16A
- Voltage rating: 300V AC
- Wire range: 12 - 26 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide 66

PCB Mounting Terminal Blocks - continued



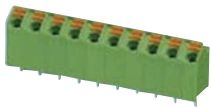
5mm Pitch Screw Terminal - continued

Modular - continued

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	500+
2	MC000046	200-8017				
3	MC000047	200-8018				

641392

SPTA 1 Series 9A 5mm Pitch



- PCB terminal block
- Angled spring-cage connection (45°)
- Push-in direct plug-in system
- Opening lever available

NEW

Current Rating	9A	Wire Size	0.2mm ² to 1.5mm ²
Voltage Rating	250V	Insulating Material	PA

604807

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
2	SPTA 1/2-3.5	179-3729					
3	SPTA 1/3-5.0	179-3738					
4	SPTA 1/4-5.0	179-3739					
5	SPTA 1/5-5.0	179-3740					
6	SPTA 1/6-5.0	179-3741					
8	SPTA 1/8-5.0	179-3742					
10	SPTA 1/10-5.0	179-3744					

PT 1.5 Series 17.5A 5.00mm Pitch



- PCB terminal block
- Screw connection

NEW

Current Rating	17.5A	Wire Size	0.2mm ² to 2.5mm ²
Voltage Rating	250V	Insulating Material	PA

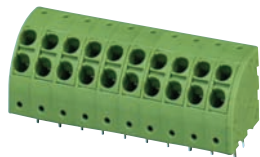
604790

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
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Horizontal							
2	PT1,5/2-5.0-H	179-3674					
3	PT1,5/3-5.0-H	179-3675					
4	PT1,5/4-5.0-H	179-3677					
5	PT1,5/5-5.0-H	179-3678					
6	PT1,5/6-5.0-H	179-3679					
8	PT1,5/8-5.0-H	179-3680					
10	PT1,5/10-5.0-H	179-3681					

Vertical							
2	PT1,5/2-5.0-V	179-3682					
3	PT1,5/3-5.0-V	179-3683					
4	PT1,5/4-5.0-V	179-3684					
5	PT1,5/5-5.0-V	179-3685					
6	PT1,5/6-5.0-V	179-3686					
8	PT1,5/8-5.0-V	179-3687					
10	PT1,5/10-5.0-V	179-3689					

PTDA Series 24A 5.00mm Pitch



- Angled PCB terminal block
- Spring-cage double connection
- Plug-in method with a release button

NEW

Current Rating	24A	Wire Size	0.2mm ² to 2.5mm ²
Voltage Rating	320V	Insulating Material	PA

604757

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
2	PTDA 2,5/2-5.0	179-3659					
3	PTDA 2,5/3-5.0	179-3660					
4	PTDA 2,5/4-5.0	179-3661					
5	PTDA 2,5/5-5.0	179-3662					
6	PTDA 2,5/6-5.0	179-3663					
8	PTDA 2,5/8-5.0	179-3665					
10	PTDA 2,5/10-5.0	179-3666					

FRONT Series 24A 5.00mm Pitch



- Front screw connection
- Cross section up to 2.5mm²
- Double solder pin for high stability on the PCB

NEW

Current Rating	24A	Suitable screwdriver	0.3 x 3mm blade
Voltage Rating	250V		

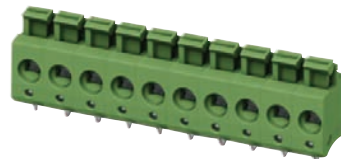
604891

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
-------------	-----------------	------------	----	-----	-----	------	------

Vertical							
2	FRONT 2,5-V/SA 5/ 2	179-2999					
3	FRONT 2,5-V/SA 5/ 3	179-3000					
4	FRONT 2,5-V/SA 5/ 4	179-3001					
5	FRONT 2,5-V/SA 5/ 5	179-3002					
6	FRONT 2,5-V/SA 5/ 6	179-3003					
8	FRONT 2,5-V/SA 5/ 8	179-3004					
10	FRONT 2,5-V/SA 5/10	179-3005					

Horizontal							
2	FRONT 2,5-H/SA 5/ 2	179-3087					
3	FRONT 2,5-H/SA 5/ 3	179-3088					
4	FRONT 2,5-H/SA 5/ 4	179-3089					
5	FRONT 2,5-H/SA 5/ 5	179-3090					
6	FRONT 2,5-H/SA 5/ 6	179-3091					
8	FRONT 2,5-H/SA 5/ 8	179-3092					
10	FRONT 2,5-H/SA 5/10/	179-3094					

PTS 1,5 Series 12A 5mm Pitch



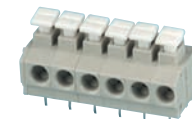
- Spring cage connection
- Through hole mounted
- Current rating: 12A
- Nominal Voltage: 400 V
- Colour: Green

NEW

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
2	1792863	207-2377				
3	1792876	207-2378				
4	1792889	207-2379				
5	1792892	207-2380				
6	1792902	207-2381				
7	1792915	207-2382				
8	1792928	207-2383				
9	1792931	207-2384				
10	1792944	207-2386				
11	1792957	207-2387				
12	1792960	207-2388				

649856

Push In - 10A 5.0mm Pitch



- Solid wire push-in connector
- Lever release
- 10A current
- UL / IEC recognised

Height 15.5mm Pitch 0.8mm Width 12.5mm Pin diameter 5mm

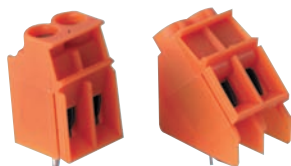
Rated Voltage	300V	Flammability Class	UL94V-0
Current Rating	10A	Solid wire entry	1.5mm ²
Temperature Range	-40°C to +105°C	Colour	Grey

411978

No. of Ways	Mftrs. List No.	Order Code	5+	50+	100+	500+
2	20.4101M/2	963-3413				
3	20.4101M/3	963-3421				
4	20.4101M/4	963-3430				

LP Series. PCB Terminal Blocks

5.00mm Pitch, Stackable



- A range of 5.00mm PCB terminal blocks
- Rising clamp technology
- Cable size up to 4.00mm²
- Cable entry angles, Top, Side, or 135°
- End to end stacking without loss of pitch
- **CSA** and **VDE** approved, **UL** recognised

Maximum Voltage	380V	Flammability Class	UL94V-2
Current Rating	10A	Material	Polyamide 6.6

339293

No of Ways	Mftrs.		Price Each				
	List No.	Order Code	5+	25+	100+	250+	500+
Side Entry							
2 Single Height	LP5.00/2/90	113-1843					
3 Single Height	LP5.00/3/90	113-1847					
135°							
2 Single Height	LP5.00/2/135	113-1845					
3 Single Height	LP5.00/3/135	113-1851					

13.5A 5.00mm Pitch



- Rising clamp design
- Supplied with open screw to save assembly time
- All metal parts are non-magnetic
- Test probe access built-in
- Can be used in corrosive environments
- UL and CSA listed
- For 1.5mm solid wire
- With interlock
- Side wire entry

Housing	Polyamide
Male Contacts	Brass, Tin plated
Female Contacts	Brass, nickel plated
Operating Voltage	250V

209510

No of Ways	Mftrs.		Price Each			
	List No.	Order Code	1+	25+	100+	250+
2	282836-2	308-9034				
3	282836-3	308-9046				
4	282836-4	308-9058				
5	282836-5	308-9060				
6	282836-6	308-9071				
7	282836-7	308-9083				
8	282836-8	308-9095				
9	282836-9	308-9101				
10	1-282836-0	308-9113				
12	1-282836-2	308-9125				

Interlocking 15A 5mm Pitch



- 2 through to 8 way interlocking terminal blocks
- Screw terminal
- **CSA** approved, **UL** recognised

2.5mm²
cable entry

H=10, W=7.5, Pitch=5, Pin dia.=1.0

Maximum voltage	250V ac	Maximum wire size	2.5mm ²
Current rating	15A	Cable protector	Bronze
Temperature range	-25°C to +100°C	Housing	Polyamide, UL94V-0
Bush clamp	Brass nickel and tin plated	Colour	Light Grey

Mftrs. List No. KRM2=151-785, KRM3=151-786, KRM4=151-787, KRM8=151-788

209400

No of Ways	Length mm	Mftrs.		Price Each					
		List No.	Order Code	5+	10+	50+	100+	500+	1K+
2	10	117-7875							
3	15	117-7876							
4	20	117-7877							
8	20	117-7878							
6	20	117-7890							
7	20	117-7891							

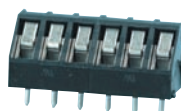


TROUBLESHOOTING TIPS

Chat online to one of our technical engineers at farnell.com

Angled 300 Series 15A

5.0mm Pitch



- Modular interlocking construction
- Standard 45° Block
- Rising cage clamp mechanism
- **UL / IEC** recognised

Height 12.5mm Pitch 5mm Width 12.5mm Pin diameter 0.8mm

Rated Voltage	300V	Solid wire entry	2.5mm ²
Current Rating	15A	Screw size	M2.6
Temperature Range	-40°C to +105°C	Colour	Grey
Flammability Class	UL94V-0	Torque rating	0.5N-m

411975

No. of Ways	Mftrs.		Price Each			
	List No	Order Code	5+	50+	100+	500+
Order Multiple=5						
2	20.300M/2	963-3359				
3	20.300M/3	963-3367				
4	20.300M/4	963-3375				
6	20.300M/6	176-1526				
8	20.300M/8	176-1527				

Spring Clamp 16A 5/5.8mm Pitch



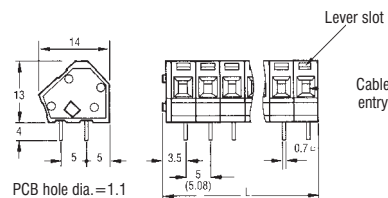
- Screwdriver slot or lever opening
- 45° Block
- 16A Rated Voltage
- 5.0mm pin pitch
- **UL / IEC** recognised

Height	12.9mm	Pitch	5mm	Width	14.2mm	Square pin	0.7mm
Rated Voltage	300V	Flammability Class	UL94V-0	Current Rating	16A	Solid wire entry	2.5mm ²
Temperature Range	-40°C to +105°C	Colour	Grey				

411969

No. of Ways	Mftrs.		Price Each			
	List No	Order Code	5+	50+	100+	500+
Order Multiple=5						
Screwdriver Slot						
3	20.300M/3	963-3278				
4	20.300M/4	963-3286				
5	20.300M/5	176-1520				
Screwdriver Lever						
2	20.3001M/2	963-3294				
3	20.3001M/3	963-3308				
4	20.3001M/4	963-3316				
6	20.3001M/6	176-1517				

Cage Clamp 16A 5/5.08mm Pitch



L=(No. of poles x5) +2.3



Cage clamp mechanism

- Vibration proof spring cage clamp, for fast, reliable operation
- Lever action operation by use of a screwdriver or operating tool **258-120** in the adjacent slot
- Accommodates wire strip length 5-6mm
- End stackable, by removal of one end plate
- Approvals, **CSA** (15A @ 300V) **SEV**, **KEMAK-KEUR**, **OVE**, **SEMKO** and **UL** Recognised (10A @ 300V),
- **NEMKO**, **DEMKO** and **BV**.

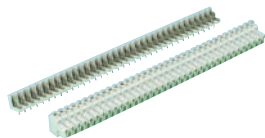
Maximum voltage	380V ac (Group B) V 250V ac (Group C) V	Cage clamp spring	Chrome nickel spring steel
Current rating	16AA	Contact	Copper, tin/lead plated
Maximum temperature	105°C	Housing	Nylon 6.6
		Colour	Light Grey
		Wire size	0.08-2.5mm ²

Mftrs. List No. 236402=1283526, 236403=1283527, 236404=1283528, 236406=1283529, 236408=1283530, 236412=1283531, 236332=258-120,

	Mfrs. List No.	Order Code	1+	10+	50+	100+
Vertical Mount	CTB7000/36	388-1787				
90° Mount	CTB7050/36	388-1799				

36 Way Plug-In Terminal Block 13.5A

5.0mm Pitch



- 36 way strip easily cut to required number of ways
- Rising clamp terminals
- Horizontal or vertical mounting
- Approvals: CE approved, UL recognised
- Optional polarising clips (in pairs)

Maximum Voltage	380V	Maximum Wire Size	4mm ²
Current Rating	17.5A	Clamping Screw	M2.5 Zinc plated Steel 0.4Nm
Temperature Range	-20°C to 125°C	Housing	Lexan UL94V-0
Rising Clamp	Zinc plated Steel	Colour	Grey

232094

	Mfrs. List No.	Order Code	1+	10+	50+	100+
Vertical Mount	CTB7300/36M	388-1829				
90° Mount	CTB7300/36F	388-1830				

5.08mm Pitch Screw Terminal Block



Modular



- Right angle through hole mounted
- Current rating: 16A
- Voltage rating: 300V AC
- Wire range: 12 - 26 AWG
- Contact material: Brass
- Contact plating: Tin



641419

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+	500+
2	MC000048	200-8019				
3	MC000049	200-8020				

MKDSN 2.5 Series 16A

5.08mm Pitch



- Screw connection
- Low design
- 2.5 mm² connection cross section

Current Rating	16A	Insulating Material	PA
Voltage Rating	250V	Suitable screwdriver	0.6 x 3.5mm blade
Wire Size	0.2mm ² to 2.5mm ²		



604632

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
2	MKDSN2.5/2-5.08	179-2766					
3	MKDSN2.5/3-5.08	179-2767					
4	MKDSN2.5/4-5.08	179-2768					

PM Series. PCB Terminal Blocks

5.08mm Pitch, Leaf spring



- Cost effective direct wire to PCB terminals
- Leaf spring technology for cable size up to 1.5mm²
- End to end stacking without loss of Pitch
- CSA and VDE approved, UL recognised

Maximum Voltage	300V	Flammability Class	UL94V-2
Current Rating	10A	Material	PA66

339294

No of Ways	Mfrs. List No.	Order Code	5+	25+	100+	250+	500+
Orange Terminal Blocks							
2	PM5.08/2/90	113-1853					
3	PM5.08/3/90	113-1854					
Black Terminal Blocks							
2	PM5.08/2/90 BLK	113-1855					
3	PM5.08/3/90 BLK	113-1856					

LP Series. PCB Terminal Blocks

5.08mm Pitch Stackable



- A range of 5.08mm PCB terminals
- Rising clamp Technology
- Cable size up to 4.00mm²
- Cable entry angles, Top, Side, or 90°
- End to end stacking without loss of pitch
- CSA and VDE approved, UL recognised

Flammability Class	UL94V-2
Material	PA66

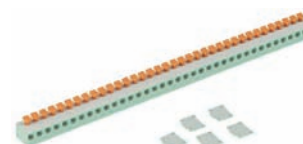
339292

No of Ways	Mfrs. List No.	Order Code	5+	25+	100+	250+	500+
Free Plug - Side Entry							
2Single Height	LP5.08/2/90	113-1832					
2Double Height	LP1N5.08/2/90	113-1835					
3Single Height	LP5.08/3/90	113-1838					
3Double Height	LP1N5.08/3/90	113-1841					
3Triple Height	LP1H5.08/3/90	113-1842					
135°							
2Single Height	LP5.08/2/135	113-1834					

36 Way Screwless Terminal Blocks 12.0A



5.0/5.08mm Pitch



- 36 way strip screwless terminal blocks
- Easily breakable for required number of ways
- No tools required for termination
- Guided pin alignment/anti wicking
- Approvals: IMQ & CE, UL recognised

H = 13.9, W = 12.5, Pitch = 5.0 & 5.08, PCB hole dia. = 1.3

Maximum Voltage	250V	Maximum Wire Size	1.3mm ²
Current Rating	12A	Clamping Screw	Zinc plated Steel
Temperature Range	-20°C to 125°C	Housing	UL94V-0
Rising Clamp	Tin Phosphor Bronze	Colour	Grey

232103

	Mfrs. List No.	Order Code	1+	10+	50+	100+
5.0mm pitch	CSTBV1/36	388-2676				
5.08mm pitch	CSTBV2/36	388-2688				

PCB Screw Terminal

5.08mm Pitch



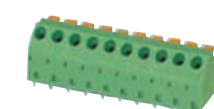
Housing Material	PA66	Voltage Rating	300V
Contact Material	Brass	Current Rating	16A
Contact Plating	Tin	PCB Hole Diameter	1.5mm
Wire Size	0.2 to 4mm ²	Operating Temperature	-40°C to 105°C

657858

No. of Ways	Height	Order Code	1+	50+	100+	500+	1K+
2	10mm	200-8004					
3	15mm	200-8005					
4	20mm	200-8006					
5	25mm	200-8007					
6	30mm	200-8008					
8	40mm	200-8009					
10	50mm	200-8010					
12	60mm	200-8011					

MFKDSP Series 12A

5.08mm Pitch

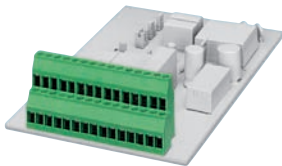


- PCB terminal block
- Push-in spring-cage connection
- Integrated test connection (2 or 2.3mm \varnothing)
- Conductor/PCB connection direction: 45°



Current Rating	12A	Wire Size	0.2mm ² to 1.5mm ²
Voltage Rating	250V	Insulating Material	PA

MKDS3 Series 24A
5.08mm Pitch



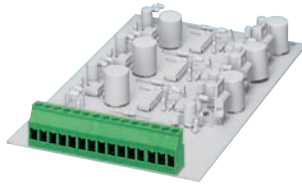
- Multi position printed circuit termination block
- Pitch 5.08mm
- Screw termination
- 2 offset levels

Wire Size 0.2mm² to 2.5mm²0.2
Current Rating 24A
Suitable Screwdriver 0.6 x 3.50mm blade

230244

No. of Mftrs.		Mftrs.		Price Each			
Ways	Type No.	List No.	Order Code	1+	10+	50+	100+
2	MKDS3/2-5.08	1721728	304-1323				
3	MKDS3/3-5.08	1721731	304-1347				

MKDS3 Series 28A
5.08mm Pitch



- Robust multi position printed circuit termination block
- Pitch 5.08mm
- Screw termination

Wire Size 0.2mm² to 2.5mm²0.2
Current Rating 28A
Suitable Screwdriver 0.6 x 3.5mm blade

230248

No. of Mftrs.		Mftrs.		Price Each			
Ways	Type No.	List No.	Order Code	1+	10+	50+	100+
2	MKDS3/2-5.08	1711725	304-1165				
3	MKDS3/3-5.08	1711738	304-1177				
4	MKDS3/4-5.08	1712805	304-1189				

6.35mm Pitch Screw Terminal Block
Modular



- Right angle through hole
- Current rating: 30A
- Voltage rating: 300V AC
- Wire range: 10 - 24 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide

641423

No. of Mftrs.		Mftrs.		Price Each			
Ways	List No.	Order Code	1+	10+	100+	500+	
2	MC000050	200-8021					
3	MC000051	200-8022					

MKDS5 Series 8A
6.35mm & 9.5mm Pitch



- Large multi position printed circuit termination blocks
- For heavy loads
- Pitch 6.35mm or 9.5mm
- Insulating Material Group 1

Wire Size 0.2mm² to 4mm²
Current Rating 32A
Suitable Screwdriver 0.6 x 3.5mm blade
Voltage rating 500

230413

Pitch	Surge Voltage Category	Contamination Class	Rated Voltage	Rated Surge Voltage	II 2	1000	6
6.35 mm	III	3	500	6	III 3	690	8
	III	2	630	6	III 2	1000	8
					II 2	1000	6

No. of Mftrs.		Mftrs.		Price Each			
Ways	Type No.	List No.	Order Code	1+	25+	100+	250+
Pitch 6.35mm							
2	MKDS5/2-6.35	1714955	370-4683				
3	MKDS5/3-6.35	1714968	370-4695				
Pitch 9.5mm							
2	MKDS5/2-9.5	1714971	370-4701				
3	MKDS5/3-9.5	1714984	370-4713				

Rising Clamp Power Terminals
6.35mm / 9.52mm Pitch



- 2 & 3 pole double interlocking mechanism for increased strength
- Moulded in green UL94-V0 flame retardant PA68
- Professional rising clamp terminals
- 4mm² cable entry (10-30 AWG)
- Guided pin alignment
- Captive screws

Specifications:-

Current Rating	32A	Voltage Rating	450V
Contact Material	Nickel Plated Brass	Contact Plating	Tin
Insulation Resistance		Operating Temp.	-20°C to 110°C
Flammability Rating	UL94-V0		

528674

No. of Mftrs.		Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	25+	50+	100+	
6.35mm Pitch								
2	CTB04VY/2	167-8443						
3	CTB04VY/3	167-8444						
9.52mm Pitch								
2	CTB04VZ/2	167-8445						
3	CTB04VZ/3	167-8446						



www.camdenboss.com

20A Interlocking Terminal Blocks
7.5mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment
- Approvals: VDE & CE, UL recognised

H = 13.8, W = 9.8, Pitch = 7.5, PCB hole dia. = 1.3

Maximum Voltage	500V	Maximum Wire Size	4.0mm ²
Current Rating	24.0A	Clamping Screw	M3 Zinc plated Steel 0.5Nm
Temperature Range	-20°C to 125°C	Housing	UL94V-0
Rising Clamp	Nickel plated Brass	Colour	Green

232097

Mftrs.		Mftrs.		Price Each			
List No.	Order Code	1+	100+	500+	1K+		
2 way	CTB0110/2	388-2573					
3 way	CTB0110/3	388-2585					

PTS 1,5 Series 12A
7.5mm Pitch



- Spring cage connection
- Through hole mounted
- Current rating: 12A
- Nominal Voltage: 360 V
- Colour: Green



PCB Mounting Terminal Blocks - continued



PTS 1,5 Series 12A - continued

7.5mm Pitch - continued

649854

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
2	1703083	207-2365				
3	1703084	207-2366				
4	1703086	207-2367				
5	1703087	207-2368				
6	1703088	207-2369				
7	1703090	207-2370				
8	1703091	207-2371				
9	1703093	207-2372				
10	1703094	207-2374				
11	1703095	207-2375				
12	1703096	207-2376				

Rising Clamp Type PCB Terminal

7.5mm Pitch, High Current



- Modular - Can be assembled to give any number of ways (locking pins)
- Miniature design ideal where space is limited
- Rising clamp for enhanced cable retention
- Integral test probe socket
- Converts to 10mm pitch using Spacer plate
- High Voltage and current ratings
- Double solder pins for secure PCB connection

Pitch	7.5mm or 10mm	Temperature range	-40°C To 125°C
Max cable size	4mm ²	Clamp	Nickel Plated Brass
Max voltage	500V ac	Clamp screw	Galvanised Steel
Max current	30A	Material	Light grey polyamide UL94V-0

337937

Order Multiple=10		Price Each				
Single Pole	Mftrs List No	Order Code	10+	100+	500+	1K+
Terminal Block	25.700.0153.0	113-4507				

7.62mm Pitch Screw Terminal Block

Modular



- Right angle through hole
- Current rating: 30A
- Voltage rating: 300V AC
- Wire range: 10 - 20 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide

641429

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	500+
2	MC000052	200-8023				
3	MC000053	200-8024				

Interlocking Terminal Blocks 20A

7.62mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment
- Approvals: VDE & CE, UL recognised

H = 13.8, W = 9.8, Pitch = 7.5, PCB hole dia. = 1.3

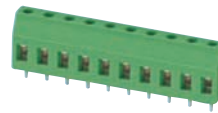
Maximum Voltage	500V	Maximum Wire Size	4.0mm ²
Current Rating	24.0A	Clamping Screw	M3 Zinc plated Steel 0.5Nm
Temperature Range	-20°C to 125°C	Housing	UL94V-0
Rising Clamp	Nickel plated Brass	Colour	Green

232098

Mftrs. List No.		Order Code	1+	100+	500+	1K+
2 way	CTB0118/2	388-2597				
3 way	CTB0118/3	388-2603				

GMKDS Series 24A

7.62mm Pitch



- PCB terminal block
- Screw connection
- For 400V applications



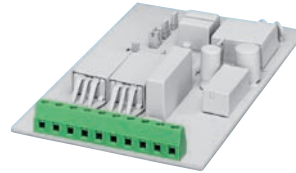
Current Rating	24A	Wire Size	0.2mm ² to 4mm ²
Voltage Rating	500V	Insulating Material	PA

604900

No. of Mftrs. Ways List No.		Order Code	1+	10+	50+	100+	250+
2	GMKDS 3/ 2-7.62	179-3006					
3	GMKDS 3/ 3-7.62	179-3008					

GMKDS1.5 Series 24A

7.62mm Pitch



- Printed circuit termination block
- Pitch 7.62mm
- Screw termination

Wire Size	0.14mm ² to 1.5mm ² 0.141.5
Current Rating	17.5A
Suitable Screwdriver	0.6 x 3.5mm blade

230250

No. of Mftrs. Ways Type No.		Mftrs. List No.	Order Code	1+	10+	50+	100+
2	GMKDS1.5/2-7.62	1717729	304-0999				
3	GMKDS1.5/3-7.62	1717732	304-1001				

Beau® Eurostyle™ High Power Terminal Blocks

8.0mm Pitch, 20A



- 8mm pitch high power terminal block
- 600 volt, 20 amp, UL and CSA rated
- Developed for AC drives and other high power, high current applications
- Fully shrouded to prevent arcing between wires

Current rating	20A @ 600V 12AWG	Insulation resistance	>GΩ
Wire range	22 to 12AWG (0.33-3.3)mm ²	Housing	Black Polyamide UL94V-0
Maximum temp.	115°C	Contacts	Copper Alloy, Bright Tin plated
Withstand voltage	>8500V	Screws	M3 Steel, Tin plated

230084

No. of Ways		Mftrs. List No.	Order Code	1+	25+	100+	250+
3	39950-0103		357-7790				
4	39950-0104		357-7806				

9.52mm Pitch Screw Terminal Block

30A Modular



- Right angle through hole
- Current rating: 30A
- Voltage rating: 600V AC
- Wire range: 10 - 24 AWG
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide 66

641429

No. of Ways		Mftrs. List No.	Order Code	1+	10+	100+	500+
2	MC000054		200-8025				
3	MC000055		200-8027				

PLH 16 Series 76A

10mm Pitch



- PCB terminal block
- Push-lock spring-cage connection
- Cross-section up to 16 mm²
- Horizontal direction

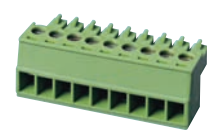
Current Rating	76A	Wire Size	0.75mm ² to 16mm ²
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604803

Pluggable				Header			
No. of Ways	Mfrs. List No.	Order Code	Price Each	No. of Ways	Mfrs. List No.	Order Code	Price Each
			1+ 10+ 25+ 50+				1+ 10+ 25+ 50+
Clamping Yoke - Black - right Angle							
16	1638920000	207-6991					
18	1638940000	207-6992					
20	1638960000	207-6993					
Clamping Yoke - Orange - Right Angle - Screw Flange							
2	1639010000	207-6994					
3	1639020000	207-6995					
4	1639030000	207-6996					
5	1639040000	207-6997					
6	1639050000	207-6999					
7	1639060000	207-7001					
8	1639070000	207-7002					
9	1639080000	207-7003					
10	1639090000	207-7004					
12	1639110000	207-7005					
14	1639130000	207-7006					
16	1639150000	207-7007					
18	1639170000	207-7008					
20	1639190000	207-7009					
Clamping Yoke - Black - Right Angle - Screw Flange							
2	1639240000	207-7010					
3	1639250000	207-7011					
4	1639260000	207-7013					
5	1639270000	207-7014					
6	1639280000	207-7015					
7	1639290000	207-7016					
8	1639300000	207-7017					
9	1639310000	207-7018					
10	1639320000	207-7019					
12	1639340000	207-7020					
14	1639360000	207-7021					
16	1639380000	207-7022					
18	1639400000	207-7023					
20	1639420000	207-7025					
Tension Clamp - Orange							
2	1690190000	207-7026					
3	1690200000	207-7027					
4	1690210000	207-7028					
5	1690220000	207-7029					
6	1690230000	207-7030					
7	1690240000	207-7031					
8	1690250000	207-7032					
9	1690260000	207-7033					
10	1690270000	207-7034					
12	1690290000	207-7035					
14	1690310000	207-7037					
Tension Clamp - Black							
2	1690420000	207-7038					
3	1690430000	207-7039					
4	1690440000	207-7040					
5	1690450000	207-7041					
6	1690460000	207-7042					
7	1690470000	207-7043					
8	1690480000	207-7044					
9	1690490000	207-7045					
10	1690500000	207-7046					
11	1690510000	207-7047					
12	1690520000	207-7049					
14	1690540000	207-7051					
Header							
No. of Ways	Mfrs. List No.	Order Code	Price Each	No. of Ways	Mfrs. List No.	Order Code	Price Each
			1+ 10+ 25+ 50+				1+ 10+ 25+ 50+
Orange - Right Angle							
2	1607040000	207-7052					
3	1607050000	207-7053					
4	1607060000	207-7054					
5	1607070000	207-7055					
6	1607080000	207-7056					
7	1607090000	207-7057					
8	1607100000	207-7058					
10	1607120000	207-7059					
12	1607140000	207-7060					
14	1607160000	207-7062					
16	1607180000	207-7063					
Orange - Screw Flange							
2	1607500000	207-7064					
3	1607510000	207-7065					
4	1607520000	207-7066					

Header				Header			
No. of Ways	Mfrs. List No.	Order Code	Price Each	No. of Ways	Mfrs. List No.	Order Code	Price Each
			1+ 10+ 25+ 50+				1+ 10+ 25+ 50+
Orange - Screw Flange							
5	1607530000	207-7067					
6	1607540000	207-7068					
7	1607550000	207-7069					
8	1607560000	207-7070					
10	1607580000	207-7071					
12	1607600000	207-7072					
14	1607620000	207-7074					
16	1607640000	207-7075					
Black - Right Angle - Closed							
2	1841630000	207-7076					
3	1841640000	207-7077					
4	1841650000	207-7078					
5	1841660000	207-7079					
6	1841670000	207-7080					
7	1841680000	207-7081					
8	1841690000	207-7082					
10	1841710000	207-7083					
12	1841730000	207-7084					
14	1841750000	207-7086					
16	1841770000	207-7087					
Black - Right Angle - Screw Flange							
2	1842080000	207-7088					
3	1842090000	207-7089					
4	1842100000	207-7090					
5	1842110000	207-7091					
6	1842120000	207-7092					
7	1842130000	207-7093					
8	1842140000	207-7094					
10	1842160000	207-7095					
12	1842180000	207-7096					
14	1842200000	207-7098					
16	1842220000	207-7099					
Black - Closed							
2	1842320000	207-7100					
3	1842330000	207-7101					
4	1842340000	207-7102					
5	1842350000	207-7104					
6	1842360000	207-7105					
7	1842370000	207-7106					
8	1842380000	207-7107					
9	1842390000	207-7108					
12	1842410000	207-7109					
14	1842430000	207-7110					
16	1842450000	207-7111					
Black - Screw Flange							
2	1842770000	207-7112					
3	1842780000	207-7113					
4	1842790000	207-7114					
5	1842800000	207-7116					
6	1842810000	207-7117					
7	1842820000	207-7118					
8	1842830000	207-7119					
10	1842850000	207-7120					
12	1842870000	207-7121					
14	1842890000	207-7122					
16	1842910000	207-7123					

Plugs for PCB Socket Terminal Blocks
3.5mm Pitch



Rated Voltage	300V	Stranded Wire (AWG)	28-16
Rated Current	8A	Torque (Nm)	0.2
Wire Range	1.5mm ²	Screw	M2
Solid Wire (AWG)	28-16	Wire Strip Length	6-7mm



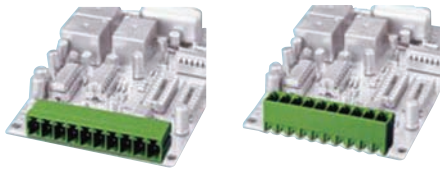
		Price Each				
No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	250+ 500+
2	20.1550M/2	176-1532				
3	20.1550M/3	176-1533				
4	20.1550M/4	176-1534				
5	20.1550M/5	176-1536				
6	20.1550M/6	176-1537				
8	20.1550M/8	176-1538				
10	20.1550M/10	176-1530				
12	20.1550M/12	176-1531				

601590

Plug-In PCB Mounting Terminal Blocks - continued

Sockets for Pluggable Terminal Blocks

3.5mm Pitch



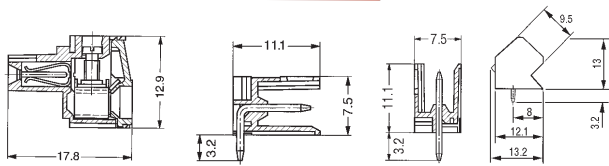
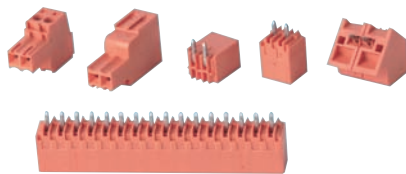
Horizontal Rated Voltage 300V Vertical Rated Current 8A 601594

No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	250+	500+
-------------	----------------	------------	----	-----	------	------	------

Horizontal Headers		Price Each					
2	20.155MH/2	176-1541					
3	20.155MH/3	176-1542					
4	20.155MH/4	176-1543					
5	20.155MH/5	176-1544					
6	20.155MH/6	176-1545					
8	20.155MH/8	176-1546					
10	20.155MH/10	176-1539					
12	20.155MH/12	176-1540					

Vertical Headers		Price Each					
2	20.155MV/2	176-1550					
3	20.155MV/3	176-1551					
4	20.155MV/4	176-1552					
5	20.155MV/5	176-1553					
6	20.155MV/6	176-1554					
8	20.155MV/8	176-1555					
10	20.155MV/10	176-1548					

Plug-in 10A 3.5mm Pitch



Voltage rating (VDE) 125V ac (Group C) 250V ac (Group B)
 Current Rating 17A
 Temperature Range -20°C to +110°C
 Screw clamp Steel, zinc plated
 Mfrs. List No. BL3.5/x SL3.5/x/90G BLZ3.5/x SL3.5/x/180G
 Where x = No of ways SL3.5/x/135

No. of Ways	Order Code	1+	25+	100+	250+	500+
-------------	------------	----	-----	------	------	------

Free Plug - BL						
2	113-1800					
3	113-1802					
4	113-1803					
5	113-1804					
6	113-1805					
8	113-1806					
10	113-1807					
12	113-1808					
14	113-1809					
16	113-1810					

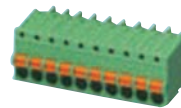
Free Plug - BLZF Series						
2	117-9250					
4	117-9253					
5	117-9254					
6	117-9255					
8	117-9256					
10	117-9248					
12	117-9249					
16	112-1767					

No. of Ways	Order Code	1+	25+	100+	250+	500+
Side Entry PCB Header-Closed End						
2	112-1786					
3	112-1791					
4	112-1793					
		5+	25+	100+	250+	500+
5	112-1795					
6	112-1798					
8	112-1801					
10	112-1778					
12	112-1780					
14	112-1782					
16	112-1784					

Top Entry PCB Header-Closed End						
2	112-1785					
3	112-1788					
4	112-1792					
5	112-1794					
6	112-1797					
8	112-1800					
10	112-1776					
12	112-1779					
14	112-1781					
16	112-1783					

FK MCP Series 8A

3.5mm Pitch



- Mini COMBICON Connectors
- Push-in spring-cage connection
- Plug-in direction parallel to the conductor axis

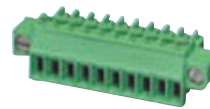
NEW

Current Rating 8A Voltage Rating 160V Wire Size Insulating Material 0.14mm² to 1.5mm² PA 604906

No. of Mfrs. Ways List No.	Order Code	1+	10+	50+	100+	250+
2	FK-MCP 1,5/ 2-ST-3,5	179-3016				
3	FK-MCP 1,5/ 3-ST-3,5	179-3017				
4	FK-MCP 1,5/ 4-ST-3,5	179-3018				
5	FK-MCP 1,5/ 5-ST-3,5	179-3021				
6	FK-MCP 1,5/ 6-ST-3,5	179-3022				
8	FK-MCP 1,5/ 8-ST-3,5	179-3023				
10	FK-MCP 1,5/10-ST-3,5	179-3024				

MC 1.5 Series 8A

3.5mm Pitch



- Mini COMBICON Connectors
- Flange-screw connection
- Plug-in direction parallel to the conductor axis

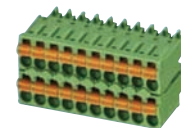
NEW

Current Rating 8A Voltage Rating 160V Wire Size Insulating Material 0.14mm² to 1.5mm² PA 604904

No. of Mfrs. Ways List No.	Order Code	1+	10+	50+	100+	250+
2	MC 1,5/ 2-STF-3,5	179-3009				
3	MC 1,5/ 3-STF-3,5	179-3010				
4	MC 1,5/ 4-STF-3,5	179-3011				
5	MC 1,5/ 5-STF-3,5	179-3012				
6	MC 1,5/ 6-STF-3,5	179-3013				
8	MC 1,5/ 8-STF-3,5	179-3014				
10	MC 1,5/10-STF-3,5	179-3015				

FMCD 1.5 Series 8A

3.5mm Pitch



- Mini COMBICON connectors
- Push-in spring-cage connection
- Flat dual plug (16mm)
- Plug-in direction parallel to the conductor axis

NEW

Current Rating 8A Voltage Rating 160V Wire Size Insulating Material 0.2mm² to 1.5mm² PA 604810

No. of Mftrs.	Ways	List No.	Order Code	1+	10+	50+	100+	250+
	3	FMCD 1,5/3-ST-3.5	179-3752					
	4	FMCD 1,5/4-ST-3.5	179-3753					
	5	FMCD 1,5/5-ST-3.5	179-3754					
	6	FMCD 1,5/6-ST-3.5	179-3756					
	8	FMCD 1,5/8-ST-3.5	179-3757					
	10	FMCD 1,5/10-ST-3.5	179-3758					



MC1.5 Series, Plug-in 8A 3.5mm Pitch



- Plug for 3.5mm headers
 - Plug in direction parallel to the conductor axis
 - Pitch 3.5mm
- Current Rating 8A
Wire Size 0.14mm² to 1.5mm²

MCDN 1.5 Series 8A, Double-level headers 3.5mm Pitch



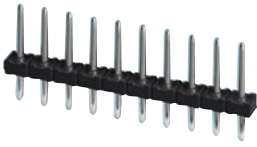
- Mini COMBICON connectors
- Plug-in direction parallel to the PCB
- Applications in SMT reflow processes
- Pin length 2.6mm

NEW

604811

No. of Mftrs.	Ways	List No.	Order Code	1+	10+	50+	100+
	2	MCDN 1,5/2-G1-3.5 P26THR	179-3759				
	3	MCDN 1,5/3-G1-3.5 P26THR	179-3760				
	4	MCDN 1,5/4-G1-3.5 P26THR	179-3761				
	5	MCDN 1,5/5-G1-3.5 P26THR	179-3762				
	6	MCDN 1,5/6-G1-3.5 P26THR	179-3763				
	8	MCDN 1,5/8-G1-3.5 P26THR	179-3764				
	10	MCDN 1,5/10-G1-3.5 P26THR	179-3765				

PTS Series 8A 3.5mm Pitch



Current Rating 8A
Voltage Rating 160V

NEW

- Male connector for COMBICON compact plugs
- Plug-in direction vertical to the PCB

604703

No. of Mftrs.	Ways	List No.	Order Code	1+	10+	50+	100+	250+
	2	PST 1.0/2-3.5	179-3577					
	3	PST 1.0/3-3.5	179-3578					
	4	PST 1.0/4-3.5	179-3579					
	5	PST 1.0/5-3.5	179-3580					
	6	PST 1.0/6-3.5	179-3581					
	7	PST 1.0/7-3.5	179-3582					
	8	PST 1.0/8-3.5	179-3583					

MCV1.5 Series 8A 3.5 mm Pitch



- Headers plug in direction vertical to PCB
- Pitch 3.5mm
- Insulating Material Group 1

NEW

Surge Voltage Category	Contamination Class	Rated Voltage	Rated Surge Voltage
III	3	160V	2.5kV
II	2	160V	2.5kV
II	2	250V	2.5kV

Current Rating 8A Voltage rating 160V

339160

No. of Mftrs.	Ways	Type No.	Mftrs. List No.	Order Code	1+	25+	100+	250+
	2	MCV1.5/2-G-3.5	1843606	370-4816				
	3	MCV1.5/3-G-3.5	1843619	370-4828				
	4	MCV1.5/4-G-3.5	1843622	370-4830				
	5	MCV1.5/5-G-3.5	1843635	370-4841				
	6	MCV1.5/6-G-3.5	1843648	370-4853				
	8	MCV1.5/8-G-3.5	1843664	370-4865				
	9	MCV1.5/9-G-3.5	1843677	370-4877				
	10	MCV1.5/10-G-3.5	1843680	370-4889				
	12	MCV1.5/12-G-3.5	1843703	370-4890				

MCVW1.5 Series, Plug-in 8A 3.5mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.5mm
- Plug in direction vertical to the conductor axis
- Connection point facing the rippled side of the header
- Insulating Material, Group 1

Wire Size 0.14 - 1.5mm²
Current Rating 8A Voltage rating 160V

339175

No. of Mftrs.	Ways	Type No.	Order Code	1+	25+	100+	250+
	2	MCVW 1,5/2-ST-3.5	508-9153				
	3	MCVW 1,5/3-ST-3.5	508-9165				
	4	MCVW 1,5/4-ST-3.5	508-9177				
	5	MCVW 1,5/5-ST-3.5	508-9189				
	6	MCVW 1,5/6-ST-3.5	508-9190				
	8	MCVW 1,5/8-ST-3.5	508-9219				
	10	MCVW 1,5/10-ST-3.5	508-9232				
	12	MCVW 1,5/12-ST-3.5	508-9244				

MCVR1.5 Series, Plug-in 8A 3.5mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.5mm
- Plug in direction vertical to the conductor axis
- Connection point facing the coding side of the header

Wire Size 0.14 - 1.5mm²
Current Rating 8A
Voltage Rating 160V

339172

No. of Mftrs.	Ways	Type No.	Order Code	1+	25+	100+	250+
	2	MCVR 1,5/2-ST-3.5	508-9050				
	3	MCVR 1,5/3-ST-3.5	508-9062				
	4	MCVR 1,5/4-ST-3.5	508-9074				
	5	MCVR 1,5/5-ST-3.5	508-9086				
	6	MCVR 1,5/6-ST-3.5	508-9098				
	8	MCVR 1,5/8-ST-3.5	508-9116				
	9	MCVR 1,5/9-ST-3.5	508-9128				
	10	MCVR 1,5/10-ST-3.5	508-9130				
	12	MCVR 1,5/12-ST-3.5	508-9141				

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Plug-In PCB Mounting Terminal Blocks - continued

5.08mm Pluggable Terminal Blocks - continued

Header - continued

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
Vertical						
6	MC000204	200-8193				
8	MC000205	200-8194				
10	MC000206	200-8195				
12	MC000207	200-8196				
Right Angle						
2	MC000208	200-8197				
3	MC000209	200-8198				
4	MC000210	200-8199				
5	MC000211	200-8200				
6	MC000212	200-8201				
8	MC000213	200-8202				
10	MC000214	200-8203				
12	MC000215	200-8204				

5.08mm Pluggable Terminal Block

Plugs



Vertical

Right Angle Reverse

- Current rating: 16A
- Voltage rating: 300V AC
- Wire range: 12 - 24 AWG
- Contact material: Phosphor bronze
- Contact plating: Tin
- Body material: Polyamide 66

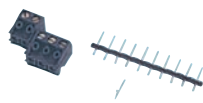


641717

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
Straight						
2	MC000176	200-8161				
3	MC000177	200-8162				
4	MC000178	200-8163				
5	MC000179	200-8164				
6	MC000180	200-8165				
8	MC000181	200-8167				
10	MC000182	200-8168				
12	MC000183	200-8169				
Right Angle						
2	MC000184	200-8170				
3	MC000185	200-8171				
4	MC000186	200-8172				
5	MC000187	200-8173				
6	MC000188	200-8174				
8	MC000189	200-8175				
10	MC000190	200-8176				
12	MC000191	200-8177				
Right Angle Reverse						
2	MC000192	200-8179				
3	MC000193	200-8181				
4	MC000194	200-8182				
5	MC000195	200-8183				
6	MC000196	200-8184				
8	MC000197	200-8185				
10	MC000198	200-8186				
12	MC000199	200-8187				

Interlocking and Plug-in 10A

5mm Pitch



2.5mm² cable entry

- Horizontal or vertical cable entry
- Pins supplied loose or on a plastic 24 way pin-strip
- Dove tail stacking system for number of ways permutation
- Captive M2.6 x 5mm screws, suitable for automatic screwdriver operation

Rated Voltage 300V ac
Current Rating 10A
Clamping screw Steel Zinc & Passivated
Pin & housing Brass with Copper, nickel
Max insertions 30

Temperature Range -30°C to +140°C
Material Glass Filled Polyamide 6
Colour Grey
Max wire size 2.5mm²
Contact resistance <10mΩ initially

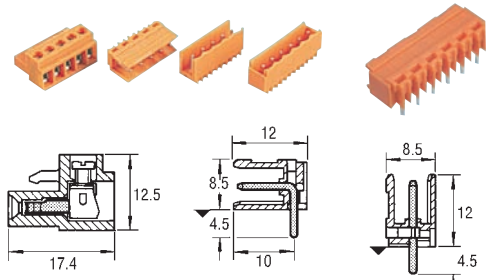
411950



No of Ways	Mfrs. List No.	Order Code	Price Each			
			2+	100+	500+	1K+
2	20.130M/2	963-2581				
3	20.130M/3	963-2590				
4	20.130M/2	963-2638				
5	20.130M/4	963-2646				
6	20.130M/5	963-2603				
8	20.130M/8	176-1516				
			1+	100+	500+	1K+
12	20.130M/12	963-2611				
			Price Per Pack			
PCB Pins			1+	5+	10+	25+
Strip (24 Way Strip)		20.130M/PS	963-2620			

Plug-in 10A

5.08mm Pitch



Free plug

Side entry PCB header

Top entry PCB headers

PCB pins = 1.0 x 1.0
PCB hole dia = 1.4

Length = No. of ways x 5.08, except closed end version which is 2mm longer

- Low cost, two part connector for PCB's to wiring harness
- Screw terminal plug with cable protectors, captive screws and friction locks
- End stackable PCB headers, side or top entry
- Conforming to VDE, UL, CSA and SEV approved

Voltage Rating	250V ac (Group C) 380V ac (Group B)	Bush clamp & screw Contacts	Stainless Steel, zinc plated Copper Alloy, Tin plated
Current Rating	10A	Cable protector	Stainless Steel
Temperature Range	-50°C to +100°C (Polyamide) -20°C to +100°C (PBTP)	Housing : Free Plug Headers	Polyamide 6.6 UL94V-2 PBTP UL94V-0
Mating cycles	≤100	Colour	Orange
Pitch	5.08mm	Wire size	0.5 - 1.5mm ² (BL) 0.5 - 2.5mm ² (BLZ)

403389

Free Plug - Leaf Spring



403372

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
Free Plug - Leaf Spring						
2	BL 5.08/2	113-1811				
3	BL 5.08/3	113-1812				
4	BL 5.08/4	113-1814				
5	BL 5.08/5	113-1815				
6	BL 5.08/6	113-1816				
7	BL 5.08/7	113-1823				
8	BL 5.08/8	113-1817				
9	BL 5.08/9	113-1824				
10	BL 5.08/10	113-1818				
11	BL 5.08/11	113-1826				
12	BL 5.08/12	113-1819				
13	BL 5.08/13	113-1827				
14	BL 5.08/14	113-1820				
15	BL 5.08/15	113-1821				
16	BL 5.08/16	113-1799				

Free Plug - Rising Clamp



403373

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+ 500+
Free Plug - Rising Clamp						
2	BLZ 5.08/2	112-1766				
3	BLZ 5.08/3	113-1714				
4	BLZ 5.08/4	113-1715				
5	BLZ 5.08/5	113-1717				
6	BLZ 5.08/6	113-1718				
7	BLZ 5.08/7	113-1828				
9	BLZ 5.08/9	113-1829				
10	BLZ 5.08/10	113-1720				
10	BLZ 5.08/10	113-1720				
11	BLZ 5.08/11	113-1830				
12	BLZ 5.08/12	113-1721				
13	BLZ 5.08/13	113-1831				
14	BLZ 5.08/14	113-1723				
15	BLZ 5.08/15	113-1724				
16	BLZ 5.08/16	113-1725				

Free Plug - Tension Clamp



403374

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+ 500+
Free Plug - Tension Clamp						
2	BLZF 5.08/2	112-9257				
3	BLZF 5.08/3	112-1769				
4	BLZF 5.08/4	112-1770				
6	BLZF 5.08/6	112-1771				
10	BLZF 5.08/10	112-1768				

5.08mm Pitch Header Open Sided



- Housing material: PBT
- Flammability rating: UL 94V-0
- Contact material: Copper Tin
- Contact plating: Tin



622915

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Right Angle - Through Hole						
2	1508060000	186-6444				
3	1508160000	186-6445				
4	1508260000	186-6446				
5	1508360000	186-6447				
6	1508460000	186-6449				
8	1508660000	186-6451				
9	1508760000	186-6452				
10	1508860000	186-6453				
12	1509060000	186-6454				
14	1509260000	186-6455				
15	1509360000	186-6456				
16	1509460000	186-6457				
Right Angle - Surface Mount						
2	1779950000	186-6458				
3	1779960000	186-6459				
4	1779970000	186-6460				
5	1779980000	186-6462				
6	1779990000	186-6463				
8	1780010000	186-6464				
9	1780020000	186-6465				
10	1780030000	186-6466				
12	1780050000	186-6467				
14	1780070000	186-6468				
15	1780080000	186-6469				
16	1780090000	186-6470				
Straight - Through Hole						
2	1517260000	186-6471				
3	1517360000	186-6472				
4	1517460000	186-6474				
5	1517560000	186-6475				
6	1517660000	186-6476				
7	1517760000	186-6477				
8	1517860000	186-6478				

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Straight - Through Hole						
9	1517960000	186-6479				
10	1518060000	186-6480				
12	1518260000	186-6481				
14	1518460000	186-6482				
15	1518560000	186-6483				
16	1518660000	186-6484				
Straight - Surface Mount						
2	1837980000	186-6486				
3	1837990000	186-6487				
4	1838000000	186-6488				
5	1838010000	186-6489				
6	1838020000	186-6490				
7	1838030000	186-6491				
8	1838040000	186-6492				
9	1838050000	186-6493				
10	1838060000	186-6494				
12	1838080000	186-6495				
14	1838100000	186-6496				
15	1838110000	186-6498				
16	1838120000	186-6499				

5.08mm Pitch Header Closed Side



- Insulating material: PBT
- Flammability rating: UL94V-0
- Contact material: Copper Tin
- Contact plating: Tin



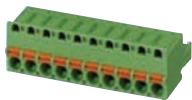
622919

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	100+	250+
Straight - Through Hole Mount						
2	1519560000	186-6500				
3	1519660000	186-6501				
4	1519760000	186-6502				
5	1519860000	186-6504				
6	1519960000	186-6505				
8	1520160000	186-6506				
9	1520260000	186-6507				
10	1520360000	186-6508				
11	1520460000	186-6509				
12	1520560000	186-6510				
13	1520660000	186-6511				
14	1520760000	186-6512				
15	1520860000	186-6513				
16	1520960000	186-6514				
Straight - Surface Mount						
2	1838210000	186-6516				
3	1838220000	186-6517				
4	1838230000	186-6518				
5	1838240000	186-6519				
6	1838250000	186-6520				
8	1838270000	186-6521				
9	1838280000	186-6522				
10	1838290000	186-6523				
11	1838300000	186-6524				
12	1838310000	186-6525				
13	1838320000	186-6526				
14	1838330000	186-6528				
15	1838340000	186-6529				
16	1838350000	186-6530				
Right Angle - Through Hole Mount						
2	1510360000	186-6547				
3	1510460000	186-6548				
4	1510560000	186-6549				
5	1510660000	186-6550				
6	1510760000	186-6551				
7	1510860000	186-6553				
8	1510960000	186-6554				
10	1511160000	186-6555				
12	1511360000	186-6556				
14	1511560000	186-6557				
15	1511660000	186-6558				
16	1511760000	186-6559				

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	MSTBT 2,5/2-ST-5.08	179-2823				
3	MSTBT 2,5/3-ST-5.08	179-2824				
4	MSTBT 2,5/4-ST-5.08	179-2825				
5	MSTBT 2,5/5-ST-5.08	179-2826				
6	MSTBT 2,5/6-ST-5.08	179-2827				
8	MSTBT 2,5/8-ST-5.08	179-2828				
10	MSTBT 2,5/10-ST-5.08	179-2831				

FKC Series 12A

5.08 mm Pitch



- Push-in spring-cage connection
- Fast conductor connection through push-in direct plug-in method
- Test connection
- Mates with Phoenix Contact's MSTB 2.5 Series

Current Rating 12A
Voltage Rating 250V
Wire Size 0.2mm² to 2.5mm²
Insulating Material PA

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	FKC 2,5/2-ST-5.08	179-2800				
3	FKC 2,5/3-ST-5.08	179-2801				
4	FKC 2,5/4-ST-5.08	179-2802				
5	FKC 2,5/5-ST-5.08	179-2803				
6	FKC 2,5/6-ST-5.08	179-2804				
8	FKC 2,5/8-ST-5.08	179-2806				
10	FKC 2,5/10-ST-5.08	179-2807				

MSTBV 2.5 Series 12A

5.08 mm Pitch



- Headers with threaded flange
- Single-level headers for wave soldering processes
- Plug-in direction vertical to the PCB

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	MSTBV 2,5/2-GF-5.08	179-2792				
3	MSTBV 2,5/3-GF-5.08	179-2793				
4	MSTBV 2,5/4-GF-5.08	179-2794				
5	MSTBV 2,5/5-GF-5.08	179-2795				
6	MSTBV 2,5/6-GF-5.08	179-2796				
8	MSTBV 2,5/8-GF-5.08	179-2797				
10	MSTBV 2,5/10-GF-5.08	179-2798				

FRONT MSTB Series 12A

5.08 mm Pitch



With flange

Without flange

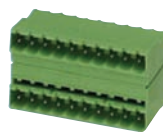
- Front screw connection
- Plug-in direction parallel to the conductor axis

Current Rating 12A
Voltage Rating 250V
Suitable screwdriver 0.6 x 3.5mm blade
Wire Size 0.34mm² to 2.5mm²
Insulating Material PA

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
With flange						
2	FRONT-MSTB 2,5/ 2-STF-5.08	179-2862				
3	FRONT-MSTB 2,5/ 3-STF-5.08	179-2863				
4	FRONT-MSTB 2,5/ 4-STF-5.08	179-2864				
5	FRONT-MSTB 2,5/ 5-STF-5.08	179-2865				
6	FRONT-MSTB 2,5/ 6-STF-5.08	179-2867				
8	FRONT-MSTB 2,5/ 8-STF-5.08	179-2868				
10	FRONT-MSTB 2,5/ 10-STF-5.08	179-2869				
Without flange						
2	FRONT-MSTB2,5/2-ST-5.08	179-2870				
3	FRONT-MSTB2,5/3-ST-5.08	179-2871				
4	FRONT-MSTB2,5/4-ST-5.08	179-2872				
5	FRONT-MSTB2,5/5-ST-5.08	179-2873				
6	FRONT-MSTB2,5/6-ST-5.08	179-2874				
8	FRONT-MSTB2,5/8-ST-5.08	179-2875				
10	FRONT-MSTB2,5/10-ST-5.08	179-2876				

MDSTB Series 10A, Double-level headers

5.08mm Pitch



- Double-level headers
- With side panels, without offset levels
- Plug-in direction parallel to the PCB

NEW

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
3	MDSTB 2,5/3-G1-5.08	179-2914				
4	MDSTB 2,5/4-G1-5.08	179-2915				
5	MDSTB 2,5/5-G1-5.08	179-2916				
6	MDSTB 2,5/6-G1-5.08	179-2917				
8	MDSTB 2,5/8-G1-5.08	179-2918				
10	MDSTB 2,5/10-G1-5.08	179-2919				

ICV Series 12A

5.08mm Pitch



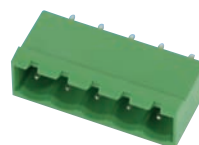
- Inverted headers with female contacts
- Plug-in direction vertical to the PCB
- Use in contact protected applications

NEW

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	ICV 2,5/ 2-G-5.08	179-2984				
3	ICV 2,5/ 3-G-5.08	179-2985				
4	ICV 2,5/ 4-G-5.08	179-2986				
5	ICV 2,5/ 5-G-5.08	179-2987				
6	ICV 2,5/ 6-G-5.08	179-2988				
8	ICV 2,5/ 8-G-5.08	179-2989				
10	ICV 2,5/10-G-5.08	179-2990				

MSTBVA2.5 Series 12A

5.08mm Pitch



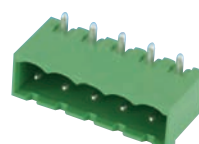
- Headers with side panels
- Plug in direction vertical to the conductor axis
- Pitch 5.08mm

Current Rating 12A

No. of Mftrs.		Mftrs.		Price Each			
Type No.	List No.	List No.	Order Code	1+	25+	100+	250+
2	MSTBVA2.5/2-G5.08	1755736	370-5262				
3	MSTBVA2.5/3-G5.08	MSTBVA2,5/3-G-5.08	370-5274				
4	MSTBVA2.5/4-G5.08	1755752	370-5286				
5	MSTBVA2.5/5-G5.08	1755765	370-5298				
6	MSTBVA2.5/6-G5.08	MSTBVA2,5/6-G-5.08	370-5304				
8	MSTBVA2.5/8-G5.08	1755794	370-5316				
9	MSTBVA2.5/9-G5.08	MSTBVA2,5/9-5.08	370-5328				
10	MSTBVA2.5/10-G5.08	MSTBVA 2,5/10-G-5.08	370-5330				
12	MSTBVA2.5/12-G5.08	MSTBVA2,5/12-G-5.08	370-5341				

MSTBA2.5 Series 12A

5.08mm Pitch



- Headers with side panels
- Plug in direction parallel to the conductor axis
- Pitch 5.08mm

Current Rating 12A

No. of Mftrs.		Mftrs.		Price Each			
Ways	Type No.	List No.	Order Code	1+	25+	100+	250+
2	MSTBA2.5/2-G5.08	1757242	370-5171				
3	MSTBA2.5/3-G5.08	1757255	370-5183				
4	MSTBA2.5/4-G5.08	1757268	370-5195				
5	MSTBA2.5/5-G5.08	1757271	370-5201				
6	MSTBA2.5/6-G5.08	1757284	370-5213				
8	MSTBA2.5/8-G5.08	1757307	370-5225				
9	MSTBA2.5/9-G5.08	1757310	370-5237				
10	MSTBA2.5/10-G5.08	1757323	370-5249				
12	MSTBA2.5/12-G5.08	1757349	370-5250				



No of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Top Entry Header, Closed End							
5	21.95MV/5	963-3146					
6	21.95MV/6	963-3154					
8	21.95MV/8	963-3162					
10	21.95MV/10	963-3170					
12	21.95MV/12	963-3189					
Side Entry Header, Closed End							
2	21.95MH/2	963-3197					
3	21.95MH/3	963-3200					
4	21.95MH/4	963-3219					
5	21.95MH/5	963-3227					
6	21.95MH/6	963-3235					
8	21.95MH/8	963-3243					
10	21.95MH/10	963-3251					
12	21.95MH/12	963-3260					

Locking Plug in Terminal Blocks

5.08mm Pitch



- Headers and Plugs available
 - 5.08mm Pitch
 - Low Cost, two part connection system
 - Jackscrew locking for greater security on mating
 - Screw terminal
- Maximum Voltage 300V
Current Rating 10A
Temperature Range -40°C to +105°C
- Maximum Wire Size 1.5mm²
Housing Polyamide 6.6
Colour Green

479399

	Order Code	1+	50+	100+
Free Plug				
2 way	136-0238			
3 way	136-0239			
4 way	136-0240			
5 way	136-0241			
6 way	136-0242			
8 way	136-0244			
10 way	136-0245			
12 way	136-0246			
Side Entry Header				
2 way	136-0247			
3 way	136-0248			
4 way	136-0249			
5 way	136-0250			
6 way	136-0251			
8 way	136-0252			
10 way	136-0253			
12 way	136-0254			
Vertical Header				
2 way	136-0256			
3 way	136-0257			
5 way	136-0259			
6 way	136-0260			
8 way	136-0261			
10 way	136-0262			
12 way	136-0263			

12A Plug-In Terminal Blocks

7.5mm Pitch



- 2 to 6 way solid terminal block
 - Open and closed headers R/A and vertical
 - Vertical cable entry female plug-in
 - Rising clamp terminals
 - Approvals: IMQ, VDE & CE, UL recognised
- Maximum Voltage 750V
Current Rating 12.0A
Temperature Range -20°C to 125°C
Rising Clamp Brass Copper Flash / Nickel
- Maximum Wire Size 2.5mm²
Clamping Screw M3 Zinc plated Steel 0.5Nm
Housing UL94V-0
Colour Green

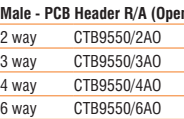
232096

	Mftrs. List No.	Order Code	1+	25+	100+	250+
Female - Vertical Cable Entry						
2 way	CTB9400/2	388-2275				
3 way	CTB9400/3	388-2287				
4 way	CTB9400/4	388-2299				
6 way	CTB9400/6	388-2305				
8 way	CTB9400/8	388-2317				
12 way	CTB9400/12	388-2329				

Mftrs. List No.	Order Code	1+	25+	100+	250+
Male - PCB Header Vertical (Closed End)					
2 way	CTB9500/2	388-2330			
3 way	CTB9500/3	388-2342			
4 way	CTB9500/4	388-2354			
6 way	CTB9500/6	388-2366			
8 way	CTB9500/8	388-2378			
12 way	CTB9500/12	388-2380			
Male - PCB Header R/A (Closed End)					
2 way	CTB9550/2	388-2391			
3 way	CTB9550/3	388-2408			
4 way	CTB9550/4	388-2410			
6 way	CTB9550/6	388-2421			
8 way	CTB9550/8	388-2433			
12 way	CTB9550/12	388-2445			
Male - PCB Header Vertical (Open End)					
2 way	CTB9500/2AO	388-2457			
3 way	CTB9500/3AO	388-2469			
4 way	CTB9500/4AO	388-2470			
6 way	CTB9500/6AO	388-2482			
Male - PCB Header R/A (Open End)					
2 way	CTB9550/2AO	388-2512			
3 way	CTB9550/3AO	388-2524			
4 way	CTB9550/4AO	388-2536			
6 way	CTB9550/6AO	388-2548			

7.62mm Pluggable Terminal Block

Plugs



- Current rating: 15A
- Voltage rating: 300V AC
- Wire range: 14 - 24 AWG
- Contact material: Phosphor bronze
- Contact plating: Tin
- Body material: Polyamide 66

641727

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+
Straight						
2	MC000216	200-8205				
3	MC000217	200-8206				
4	MC000218	200-8207				
5	MC000219	200-8209				
6	MC000220	200-8211				
8	MC000221	200-8212				
10	MC000222	200-8213				
12	MC000223	200-8214				

7.62mm Pluggable Terminal Blocks

Header



- Through hole PCB mounted
- Current rating: 15A
- Voltage rating: 300V AC
- Contact material: Brass
- Contact plating: Tin
- Body material: Polyamide 66

641728

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+
Vertical						
2	MC000224	200-8215				
3	MC000225	200-8216				
4	MC000226	200-8217				
5	MC000227	200-8218				
6	MC000228	200-8219				
8	MC000229	200-8220				
10	MC000230	200-8222				
12	MC000231	200-8223				

GMSTB Series 12A

7.62mm Pitch



- Screw connection
- For 400V applications
- Plug-in direction parallel to the conductor axis



NEW

Plug-In PCB Mounting Terminal Blocks - continued

GMSTB Series 12A - continued

7.62mm Pitch - continued

Current Rating	12A	Insulating Material	PA
Voltage Rating	400V	Suitable screwdriver	0.6 x 3.5mm blade
Wire Size	0.2mm ² to 2.5mm ²		

604832

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	GMSTB2,5/2-ST-7,62	179-2895				
3	GMSTB 2,5/ 3-ST-7,62	179-2896				
4	GMSTB2,5/4-ST-7,62	179-2897				
5	GMSTB2,5/5-ST-7,62	179-2898				
6	GMSTB2,5/6-ST-7,62	179-2899				
8	GMSTB2,5/8-ST-7,62	179-2900				
10	GMSTB2,5/10-ST-7,62	179-2901				

PC 5 Series 41A

7.62mm Pitch



- Push-in spring-cage connection
- Click and lock system
- Compatible with PC 5 headers and STGCL plug components
- For 600V UL applications
- Approvals: UL recognised

Current Rating	41A	Wire Size	0.2mm ² to 10mm ²
Voltage Rating	1000V	Insulating Material	PA

604724

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	SPC 5/2-STCL-7.62	179-3636				
3	SPC 5/3-STCL-7.62	179-3637				
4	SPC 5/4-STCL-7.62	179-3638				
5	SPC 5/5-STCL-7.62	179-3641				
6	SPC 5/6-STCL-7.62	179-3642				

PC 5 Series 41A

7.62mm Pitch



- Click and lock system
- Screw connection
- Compatible with PC 5 headers and STGCL plug components
- For 600V UL applications
- Approvals: UL recognised

Current Rating	41A	Wire Size	0.2mm ² to 10mm ²
Voltage Rating	1000V	Insulating Material	PA

604723

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	PC 5/2-STCL-7.62	179-3631				
3	PC 5/3-STCL-7.62	179-3632				
4	PC 5/4-STCL-7.62	179-3633				
5	PC 5/5-STCL-7.62	179-3634				
6	PC 5/6-STCL-7.62	179-3635				

PC 4 Series 20A

7.62mm Pitch



- High-capacity plug components
- Double steel spring as extra safety against contact corrosion
- For 600V UL applications
- Approvals: UL recognised

Current Rating	20A	Wire Size	0.2mm ² to 4mm ²
Voltage Rating	800V	Insulating Material	PA

604720

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	PC 4 HV/2-ST-7.62	179-3617				
3	PC 4 HV/3-ST-7.62	179-3618				
4	PC 4 HV/4-ST-7.62	179-3619				
5	PC 4 HV/ 5-ST-7.62	179-3620				
6	PC 4 HV/ 6-ST-7,62	179-3621				

PC 4 Series 20A

7.62mm Pitch



With flange

Without flange

- High-capacity plug components
- Screw connection

- Vibration-resistant connection
- Extra safety against contact corrosion

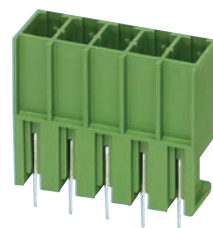
Current Rating	20A	Insulating Material	PA
Voltage Rating	400V	Suitable screwdriver	0.6 x 3.5mm blade
Wire Size	0.2mm ² to 4mm ²		

604718

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
With flange						
2	PC 4/2-STF-7.62	179-3611				
3	PC 4/3-STF-7.62	179-3612				
4	PC 4/4-STF-7.62	179-3613				
5	PC 4/5-STF-7.62	179-3614				
6	PC 4/6-STF-7.62	179-3616				
Without flange						
2	PC 4/ 2-ST-7,62	179-3033				
3	PC 4/ 3-ST-7,62	179-3034				
4	PC 4/ 4-ST-7,62	179-3035				
5	PC 4/ 5-ST-7,62	179-3036				
6	PC 4/ 6-ST-7,62	179-3037				
8	PC 4/ 8-ST-7,62	179-3038				
10	PC 4/10-ST-7,62	179-3039				

PC 4 Series 20A, Headers

7.62mm Pitch



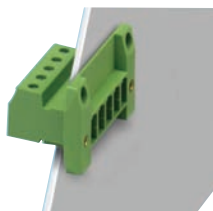
- Header with a male contact
- Horizontal version

Current Rating	20A
Voltage Rating	400V

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	PCV 4/2-G-7.62	179-3600				
3	PCV 4/3-G-7.62	179-3601				
4	PCV 4/4-G-7.62	179-3602				
5	PCV 4/5-G-7.62	179-3604				
6	PCV 4/6-G-7.62	179-3605				
2	DFK-PC 4/2-GF-7.62	179-3606				
3	DFK-PC 4/3-GF-7.62	179-3607				

PC 4 Series 20A, Feed-through headers

7.62mm Pitch



- Feed-through headers with a male contact
- Screw connection on the inside of the device
- For wall thicknesses from 1-5mm

Current Rating	20A	Insulating Material	PA
Voltage Rating	400V	Suitable screwdriver	0.6 x 3.5mm blade
Wire Size	0.2mm ² to 4mm ²		

604714

Ways List No.	Order Code	Price Each				
		1+	10+	50+	100+	250+
2	DFK-PC 4/2-GF-7.62	179-3606				
3	DFK-PC 4/3-GF-7.62	179-3607				
4	DFK-PC 4/4-GF-7.62	179-3608				
5	DFK-PC 4/5-GF-7.62	179-3609				
6	DFK-PC 4/6-GF-7.62	179-3610				

GMSTB Series 12A, Single-level headers
7.62mm Pitch



NEW



- Headers with side panels
- Plug-in direction vertical to the PCB

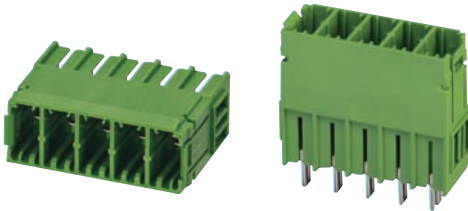
604919

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	GMSTBVA2,5/2-G-7,62	179-3079				
3	GMSTBVA2,5/3-G-7,62	179-3080				
4	GMSTBVA2,5/4-G-7,62	179-3082				
5	GMSTBVA2,5/5-G-7,62	179-3083				
6	GMSTBVA2,5/6-G-7,62	179-3084				
8	GMSTBVA2,5/8-G-7,62	179-3085				
10	GMSTBVA2,5/10-G-7,62	179-3086				

PC 5 Series 41A, Headers
7.62mm Pitch



NEW



Horizontal

Vertical

- Header with a male contact
- Compatible with STCL plug components

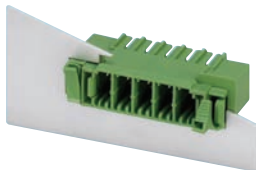
604725

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
Horizontal						
2	PC 5/2-G-7.62	179-3643				
3	PC 5/3-G-7.62	179-3644				
4	PC 5/4-G-7.62	179-3645				
5	PC 5/5-G-7.62	179-3646				
6	PC 5/6-G-7.62	179-3647				
Vertical						
2	PCV 5/2-G-7.62	179-3648				
3	PCV 5/3-G-7.62	179-3649				
4	PCV 5/4-G-7.62	179-3650				
5	PCV 5/5-G-7.62	179-3651				
6	PCV 5/6-G-7.62	179-3653				

PC 5 Series 41A, Feed through headers
7.62mm Pitch



NEW



- Feed-through headers with a male contact
- Solder connection on the inside of the device
- For wall thicknesses from 1-3mm
- Compatible with STCL plug components

604756

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	DFK-PC 5/2-G-7.62	179-3654				
3	DFK-PC 5/3-G-7.62	179-3655				
4	DFK-PC 5/4-G-7.62	179-3656				
5	DFK-PC 5/5-G-7.62	179-3657				
6	DFK-PC 5/6-G-7.62	179-3658				

PC 4 Series 20A, Headers
7.62mm Pitch



NEW



- Headers with a male contact
- Horizontal version

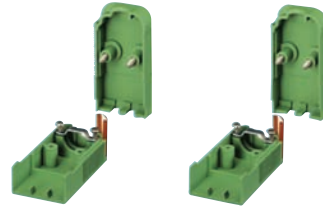
604845

No. of Mftrs.		Price Each				
Ways	List No.	Order Code	1+	10+	50+	100+ 250+
2	PC 4/2-G-7,62	179-2928				
3	PC 4/3-G-7,62	179-2929				
4	PC 4/4-G-7,62	179-2930				
5	PC 4/5-G-7,62	179-2931				
6	PC 4/6-G-7,62	179-2932				
8	PC 4/8-G-7,62	179-2934				
10	PC 4/10-G-7,62	179-2935				

PC4 Series, Cable Housings
7.62mm Pitch



NEW



Angled with mounting flange

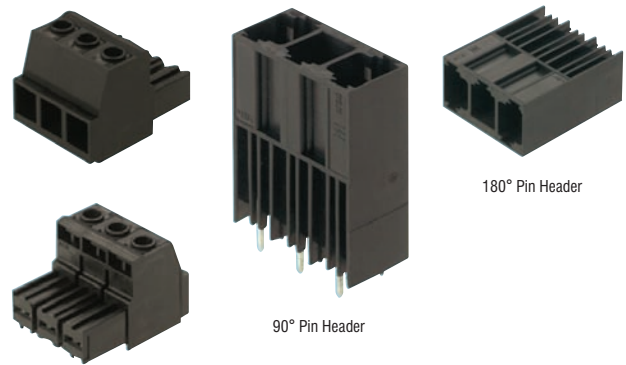
Straight without mounting flange

- Ergonomical cable housing for the standard PC4 plugs
- Screw connection

604722

No. of Cable dia. Mftrs.		Price Each				
Ways (mm)	List No.	Order Code	1+	10+	50+	100+ 250+
Straight cable connection, without mounting flange						
3 4-8	KGG-PC 4/3	179-3622				
4 6-13.5	KGG-PC 4/4	179-3623				
5 6-13.5	KGG-PC 4/5	179-3624				
Angled cable connection, without mounting flange						
6 6-16	KGS-PC 4/6	179-3625				
Straight cable connection, with mounting flange						
3 4-8	KGG-PC 4/3-F	179-3626				
4 6-13.5	KGG-PC 4/4-F	179-3628				
5 6-13.5	KGG-PC 4/5-F	179-3629				
Angled cable connection, with mounting flange						
6 6-16	KGS-PC 4/6-F	179-3630				

Powermate SV/BV Pin Headers & Sockets
7.62mm Pitch



Socket

90° Pin Header

180° Pin Header

- PCB Plug-In Connectors
- Sockets - Screw clamping yoke connection (M3, hardened steel, zinc plated)
- Pin Headers - Solder connection
- Choice of 90° / 180° headers

Specifications:-			
Contact Material	Copper Alloy	Contact Plating	Tin
Insulator Material	PBT (Polybutylene terephthalate)	Flammability Rating	UL94V-0
Colour	Black	Solder Pin Length	3.5mm
Voltage Rating	500V	Clamping Range	0.2mm ² - 6mm ²
Current Rating	43A (Socket / 90° Header) 41A (180° Header)		10-22AWG

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Plug-In PCB Mounting Terminal Blocks - continued

Powermate SV/BV Pin Headers & Sockets - continued

7.62mm Pitch - continued

No. of Ways	Mftrs. List No.	Order Code	1+	10+	25+	50+	100+
601574							
Sockets, Clamping Yoke Connection							
2	1821520000	171-5817					
3	1821530000	171-5818					
4	1821540000	171-5819					
Pin Headers, 90° Entry							
2	1822280000	171-5820					
3	1822290000	171-5821					
4	1822300000	171-5822					
Pin Headers, 180° Entry							
2	1822530000	171-5824					
3	1822540000	171-5825					
4	1822550000	171-5826					

High Current Terminal Block

10.16mm Pitch



- Current rating: 76 A (IEC) / 54 A (UL)
- Colour: Black
- Contact material: Copper alloy
- Contact plating: Silver

NEW

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	250+
622600						
Header - Right Angle						
2	1813330000	186-6623				
3	1813340000	186-6624				
4	1813350000	186-6625				
5	1813360000	186-6626				
6	1813370000	186-6627				
7	1813380000	186-6628				
8	1813390000	186-6629				
9	1813400000	186-6630				
Header - Right Angle - With Flange						
2	1813570000	186-6632				
3	1813580000	186-6633				
4	1813590000	186-6634				
5	1813600000	186-6635				
6	1813610000	186-6636				
7	1813620000	186-6637				
8	1813630000	186-6638				
9	1813640000	186-6639				
Header - Straight						
2	1813410000	186-6640				
3	1813420000	186-6641				
4	1813430000	186-6642				
5	1813440000	186-6644				
6	1813450000	186-6645				
7	1813460000	186-6646				
8	1813470000	186-6647				
9	1813480000	186-6648				
Header - Straight - With Flange						
2	1813650000	186-6649				
3	1813660000	186-6650				
4	1813670000	186-6651				
5	1813680000	186-6652				
6	1813690000	186-6653				
7	1813700000	186-6654				
8	1813710000	186-6656				
9	1813720000	186-6657				
Plug - Straight						
2	1924540000	186-6658				
3	1924550000	186-6659				
4	1924560000	186-6660				
5	1924570000	186-6661				
6	1924580000	186-6662				
7	1924590000	186-6663				
8	1924600000	186-6664				
9	1924610000	186-6665				

No. of Ways	Mftrs. List No.	Order Code	1+	10+	100+	250+
Price Each						
Plug - Straight - With Flange						
2	1924620000	186-6666				
3	1924630000	186-6668				
4	1924640000	186-6669				
5	1924650000	186-6670				
6	1924660000	186-6671				
7	1924670000	186-6672				
8	1924680000	186-6673				
9	1924690000	186-6674				

PC 35 Series, 125A

15mm Pitch



NEW



- With shield
 - Without shield
 - Flange-screw connection
 - For 600V UL applications
 - Approvals: UL recognised
- Current Rating: 125A Voltage Rating: 1000V Wire Size: 0.5mm² to 35mm²

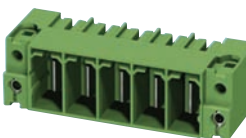
No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
604813							
Without shield							
2	PC 35 HC/2-STF-15.00	179-3769					
3	PC 35 HC/3-STF-15.00	179-3770					
4	PC 35 HC/4-STF-15.00	179-3771					
5	PC 35 HC/5-STF-15.00	179-3772					
6	PC 35 HC/6-STF-15.00	179-3773					
With shield							
4	PC 35 HC/4-STF-SH-15.00	179-3774					

PC 35 Series, Headers

15mm Pitch



NEW



- Threaded flange
- Horizontal version
- For use as housing feed-through

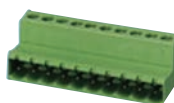
No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
604814							
2	PC 35 HC/2-GF-15.00	179-3775					
3	PC 35 HC/3-GF-15.00	179-3776					
4	PC 35 HC/4-GF-15.00	179-3777					
5	PC 35 HC/5-GF-15.00	179-3778					
6	PC 35 HC/6-GF-15.00	179-3781					

IC Series 8A

5.08mm Pitch

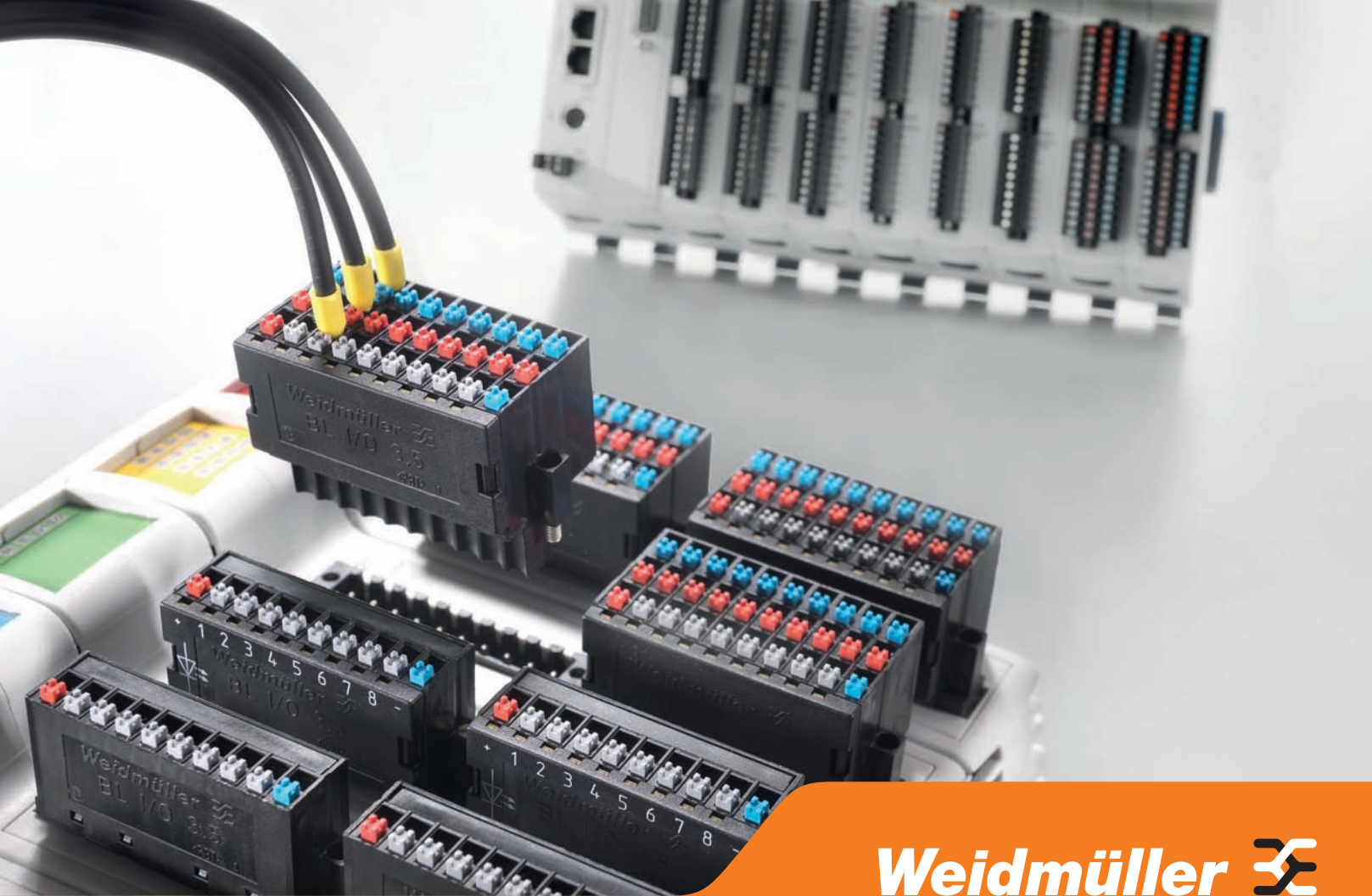


NEW



- Inverted connectors
- Screw connection
- Male contact

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
604856							
IC Series 8A							
2	IC 2.5/ 2-ST-5,08	179-2976					
3	IC 2,5/ 3-ST-5,08	179-2977					
4	IC 2,5/ 4-ST-5,08	179-2978					
5	IC 2,5/ 5-ST-5,08	179-2979					
6	IC 2,5/ 6-ST-5,08	179-2980					
8	IC 2,5/ 8-ST-5,08	179-2981					
10	IC 2,5/10-ST-5,08	179-2983					



Weidmüller 

The pluggable PCB connection

- Application-oriented connection systems from clamping-yoke screw
- All-purpose usage with pitches from 3.50 to 10.00 mm
- Process security and significant gains in efficiency thanks to SMT assembly and reflow soldering
- Space saving multi-row and multi-level designs



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IP66

IP68

IP69K

The New Bulgin 6000 Series Connector

Robust, instant connections for harsh environments

Bulgin's new 6000 Series of waterproof power and data connectors, have a quick and easy to use push-pull latching system with unique locking facility for fast and reliable connections. And they look good too!

Designed to meet IP66, IP68 & IP69K standards, the 6000 Series combines an easy to use push-pull mechanism with proven environmental sealing in a compact package, giving engineers a choice of power and data connections in a practical selection of body styles.

The 6000 Series is ideal for long-term exposure in harsh outdoor environments where water ingress must be avoided, as well as demanding internal applications, such as those on factory floors, where dust can be problematical. And, above all, where ease of connection, space and appearance are important considerations.



Technical Specification

- Push-pull latching with unique 30° twist lock
- 2, 3, 8, 16 & 22 poles – ratings up to 16A, 277V
- USB V2.0 and Ethernet (RJ45) data interfaces
- cULs, UL, VDE, CCC approvals (pending)
- IP66, IP68 and IP69K environmental sealing
- Temperature range: -40 to +120°C
- All plastic version: UL94-V0 rated, UV stable, halogen free
- Metal body version: CNC machined brass, nickel-plated

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