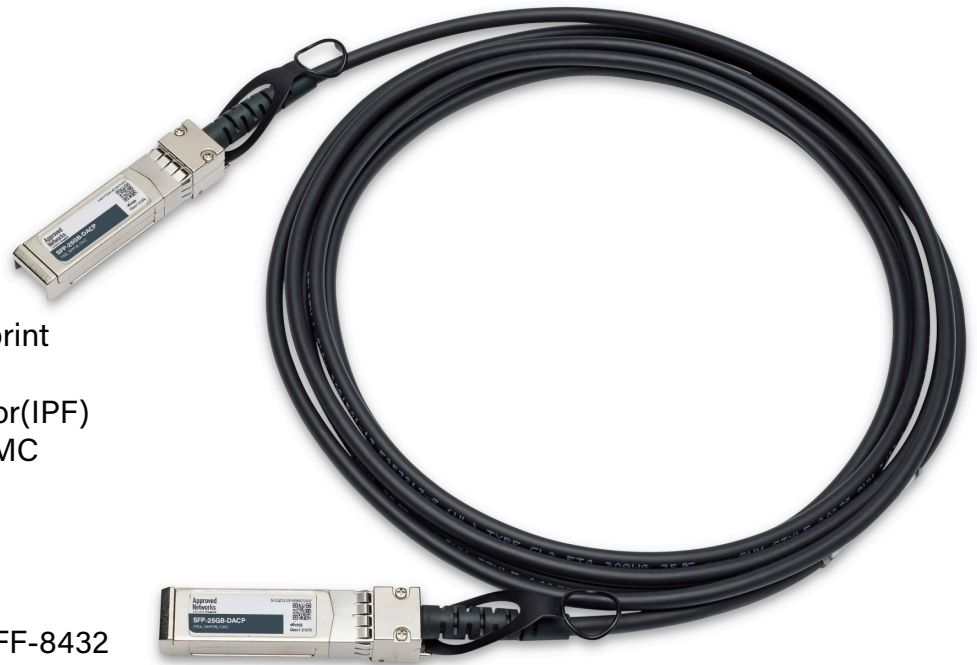


## Features

- Up to 25.78125 Gbps data rate
- Up to 5 meter transmission
- Hot-pluggable SFP 20PIN footprint
- Improved Pluggable Form Factor(IPF) compliant for enhanced EMI/EMC performance
- Compatible to SFP28 MSA
- Compatible to SFF-8402 and SFF-8432
- Temperature Range: 0~ 70°C
- RoHS Compatible



## Benefits

- Cost-effective copper solution
- Lowest total system power solution

- Lowest total system EMI solution
- Optimized design for Signal Integrity

## Applications

- 25G Ethernet

## 1. High Speed Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Note
Differential Impedance	RIN,P-P	90	100	110	Ω	
Insertion loss	SDD21	8		22.48	dB	At 12.8906 GHz
Differential Return Loss	SDD11	12.45		See 1	dB	At 0.05 to 4.1 GHz
	SDD22	3.12		See 2	dB	At 4.1 to 19 GHz
Common-mode to common-mode output return loss	SCC11	2			dB	At 0.2 to 19 GHz
	SCC22					
Differential to common-mode return loss	SCD11	12		See 3	dB	At 0.01 to 12.89 GHz
	SCD22	10.58		See 4		At 12.89 to 19 GHz

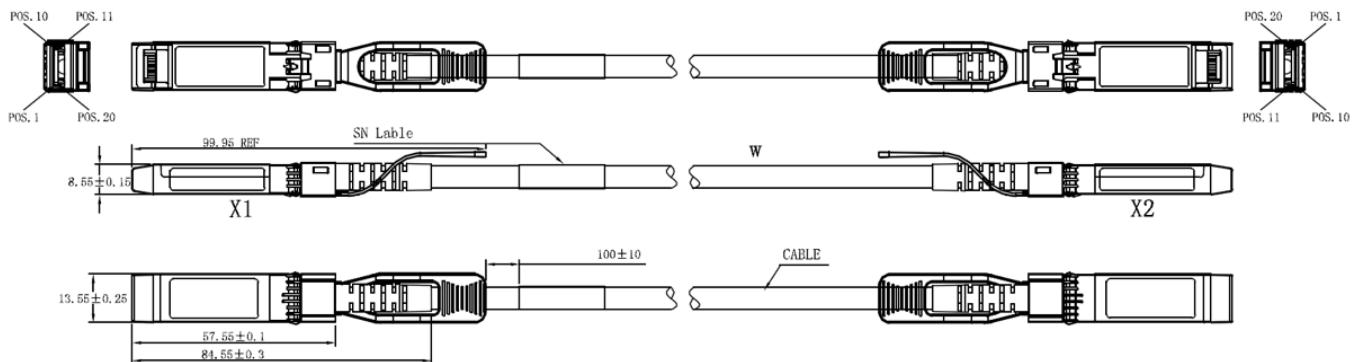
Differential to common Mode Conversion Loss	SCD21-IL	10				At 0.01 to 12.89 GHz
				See 5	dB	At 12.89 to 15.7 GHz
		6.3				At 15.7 to 19 GHz
Channel Operating Margin	COM	3			dB	

**Notes:**

1. Reflection Coefficient given by equation  $SDD11(dB) < 16.5 - 2 \times \text{SQRT}(f)$ , with f in GHz
2. Reflection Coefficient given by equation  $SDD11(dB) < 10.66 - 14 \times \log_{10}(f/5.5)$ , with f in GHz
3. Reflection Coefficient given by equation  $SCD11(dB) < 22 - (20/25.78)*f$ , with f in GHz
4. Reflection Coefficient given by equation  $SCD11(dB) < 15 - (6/25.78)*f$ , with f in GHz
5. Reflection Coefficient given by equation  $SCD21(dB) < 27 - (29/22)*f$ , with f in GHz

**2. Mechanical Specifications**

The connector is compatible with the SFF-8432 specification.



**Note:** External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.

**3. Ordering Information**

OEM	Part Number	OEM	Part Number
Amphenol	NDCCGF-0006-A	Amphenol	SFP-25GB-DACP-AP-AM-50-A
Amphenol	NDCCGF-0001-A	Amphenol	NDCCGJ-0001-A
Amphenol	NDCCGF-0002-1.5M-A	Amphenol	SFP-25GB-DACP-AP-AM-15-A
Amphenol	NDCCGF-0002-A	Amphenol	NDCCGJ-0002-A
Amphenol	NDCCGF-0004-A	Amphenol	NDCCGJ-0008-A
Amphenol	NDCCGF-0005-A	Amphenol	NDCCGJ-0003-A
Amphenol	NDCCGJ-0004-A	Amphenol	SFP-25GB-DACP-AP-AM-4M-A

Amphenol	NDCCGJ-0005-A	Amphenol	SFP-25GB-DACP-AP-AM-5M-A
Arista	CAB-S-S-25G-50CM-A	Arista	CAB-S-S-25G-1M-A
Arista	CAB-S-S-25G-1.5M-A	Arista	CAB-S-S-25G-2M-A
Arista	CAB-S-S-25G-2.5M-A	Arista	CAB-S-S-25G-3M-A
Arista	CAB-S-S-25G-4M-A	Arista	CAB-S-S-25G-5M-A
Broadcom	SFP-25G-P-50CM-BC-A	Broadcom	SFP-25G-P-1M-BC-A
Broadcom	SFP-25G-P-1.5M-BC-A	Broadcom	SFP-25G-P-2M-BC-A
Broadcom	SFP-25G-P-2.5M-BC-A	Broadcom	SFP-25G-P-3M-BC-A
Broadcom	SFP-25G-P-4M-BC-A	Broadcom	SFP-25G-P-5M-BC-A
Broadcom/Lenovo	7Z57A03557-0.5M-A	Broadcom/Lenovo	7Z57A03557-A
Broadcom/Lenovo	7Z57A03557-1.5M-A	Broadcom/Lenovo	7Z57A03557-2M-A
Broadcom/Lenovo	7Z57A03557-2.5M-A	Broadcom/Lenovo	7Z57A03558-A
Broadcom/Lenovo	7Z57A03558-4M-A	Broadcom/Lenovo	7Z57A03559-A
Brocade	25G-SFP28-TWX-P-5001-A	Brocade	25G-SFP28-TWX-P-0101-A
Brocade	25G-SFP28-TWX-P-0151-A	Brocade	25G-SFP28-TWX-P-0201-A
Brocade	25G-SFP28-TWX-P-0251-A	Brocade	25G-SFP28-TWX-P-0301-A
Brocade	25G-SFP28-TWX-P-0401-A	Brocade	25G-SFP28-TWX-P-0501-A
Cisco	SFP-H25G-CU50CM-A	Cisco	SFP-H25G-CU1M-A
Cisco	SFP-H25G-CU1.5M-A	Cisco	SFP-H25G-CU2M-A
Cisco	SFP-H25G-CU2.5M-A	Cisco	SFP-H25G-CU3M-A
Cisco	SFP-H25G-CU4M-A	Cisco	SFP-H25G-CU5M-A
Cisco	SFP-H25G-CU1M-C1	Dell	470-ACEX-50CM-A
Cisco	SFP-H25G-CU2M-C1	Dell	470-ACFB-A
Dell	470-ACEX-A	Dell	470-ACEU-A
Dell	470-AENE-A	Dell	470-ACEY-A
Dell	470-ACFB-2.5M-A	Edgecore	ET7302-DAC-1M-A
Dell	470-ACEU-4M-A	Edgecore	ET7302-DAC-2M-A
Edgecore	ET7302-DAC-50CM-A	Edgecore	ET7302-DAC-3M-A
Edgecore	ET7302-DAC-1.5M-A	Edgecore	ET7302-DAC-5M-A
Edgecore	ET7302-DAC-2.5M-A	Edgecore	ET7302-DAC-4M-A
Extreme	25G-SFP28-TWX-P-0101-C1	Intel	XXVDACBL1M-A
Intel	XXVDACBL50CM-A	Intel	XXVDACBL2M-A
Intel	XXVDACBL1.5M-A	Intel	XXVDACBL3M-A
Intel	XXVDACBL2.5M-A	Intel	XXVDACBL5M-A
Intel	XXVDACBL4M-A	Molex	SFP-25GB-DACP-AP-MO-50-A
Molex	1111451051-A	Molex	SFP-25GB-DACP-AP-MO-1M-A
Molex	1111451101-A	Molex	SFP-25GB-DACP-AP-MO-15-A
Molex	1111451101-1.5M-A	Molex	1111453201-A
Molex	1111451201-A	Molex	1111453301-A

Molex	1111451251-A	Molex	SFP-25GB-DACP-AP-MO-4M-A
Molex	1111451301-A	Molex	SFP-25GB-DACP-AP-MO-5M-A
Molex	1111453401-A	MSA	CAB-SFP-25G-DACP-0.5M-C1
MSA	CAB-SFP-25G-DACP-3M-C1	Siemon	S1S28P301.0-01-A
Siemon	S1S28P300.5-01-A	Siemon	S1S28P302.0-01-A
Siemon	S1S28P301.5-01-A	Siemon	S1S28P263.0-01-A
Siemon	S1S28P262.5-01-A	Siemon	S1S28P265.0-01-A
Siemon	S1S28P264.0-01-A		

## 4. Contact Information

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