

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

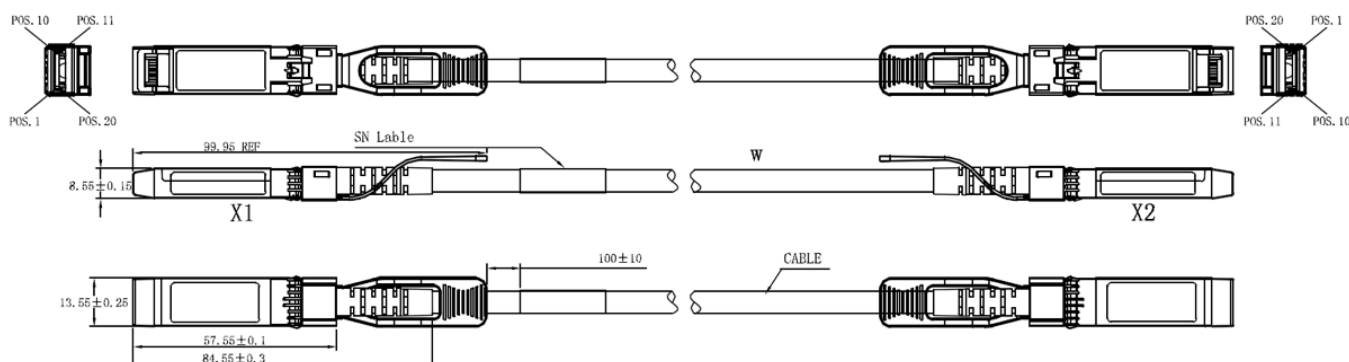
Differential to common Mode Conversion Loss	SCD21-IL	10				At 0.01 to 12.89 GHz
				See 5	dB	At 12.89 to 15.7 GHz
		6.3				At 15.7 to 19 GHz
Channel Operating Margin	COM	3			dB	

Notes:

1. Reflection Coefficient given by equation $SDD11(dB) < 16.5 - 2 \times \sqrt{f}$, 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 $SCD11(dB) < 22 - (20/25.78) \times f$, with f in GHz
4. Reflection Coefficient given by equation $SCD11(dB) < 15 - (6/25.78) \times f$, with f in GHz
5. Reflection Coefficient given by equation $SCD21(dB) < 27 - (29/22) \times f$, 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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