

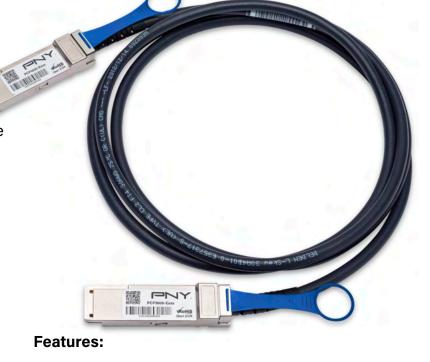
Features:

 Compatible with IEEE 802.3bj and InfiniBand EDR

 In accordance with the paging function in the protocol SFF-8636, paging can be selected 00H or 02H in 127 bytes

- Supports aggregate data rates of 100Gbps(NRZ)
- Optimized construction to minimize insertion loss and cross talk
- Backward compatible with existing QSFP+ connectors and cages
- Pull-to-release slide latch design
- 26AWG through 30AWG cable
- Straight and break out assembly configurations available
- Customized cable braid termination limits EMI radiation
- Customizable EEPROM mapping for cable signature
- RoHS compliance

1. High Speed Characteristics



- Switches, servers and routers
- Data Center networks
- Storage area networks
- High performance computing
- Telecommunication and wireless infrastructure
- Medical diagnostics and networking
- Test and measurement equipment

Parameter	Symbol	Min	Тур	Max	Unit	Note
Differential Impedance	TDR	90	100	110	Ω	
Insertion loss	SDD21	-13			dB	At 12.89 GHz
Differential Return Loss	SDD11			See 1	dB	At 0.05 to 4.1 GHz
	SDD22			See 2	dB	At 4.1 to 19 GHz

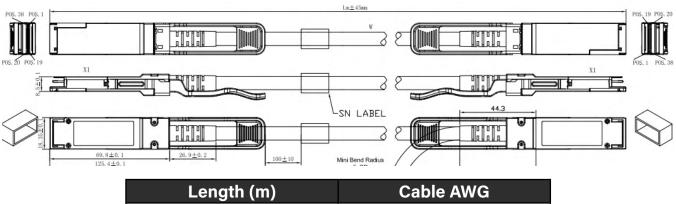


Common-mode to common- mode output return loss	SCC11 SCC22		-2	dB	At 0.2 to 19 GHz
Differential to common- mode return loss	SCD11 SCD22		See 3	dB	At 0.01 to 12.89 GHz
			See 4		At 12.89 to 19 GHz
Differential to common Mode Conversion Loss	SCD21-IL		-10	dB	At 0.01 to 12.89 GHz
			See 5		At 12.89 to 15.7 GHz
			-6.3		At 15.7 to 19 GHz

Notes:

- 1. Reflection Coefficient given by equation SDD11(dB) < -16.5 + 2 × SQRT(f), with f in GHz
- 2. Reflection Coefficient given by equation SDD11(dB) < -10.66 + 14 × log10(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 Diagram



Length (m)	Cable AWG
1	30
2	26/30
3	26

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

PNY P/N	Mellanox Legacy P/N	Nvidia P/N	Product Description
PCP1600-E001	MCP1600-E001	980-9I17M-00FS00	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 1m 30AWG 5 Year Warranty
PCP1600-E001E30	MCP1600-E001E30	980-9198O-00V002	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 1m, Black, 30AWG 5 Year Warranty
PCP1600-E002	MCP1600-E002	980-9I48Y-00W001	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 2m 28AWG 5 Year Warranty
PCP1600-E002E30	MCP1600-E002E30	980-9l62Y-00E004	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 2m, Black, 30AWG 5 Year Warranty
PCP1600-E003	MCP1600-E003	980-9l35S-00W01A	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 3m 26AWG 5 Year Warranty
PCP1600-E003E26	MCP1600-E003E26	980-9IA3S-00W001	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 3m, Black, 26AWG 5 Year Warranty
PCP1600-E004	MCP1600-E004	980-9I54G-00V003	100% Mellanox Compatible Passive Copper cable IB EDR 100GB/S, QSFP, 4m 26AWG 5 Year Warranty
PCP1600-E004E26	MCP1600-E004E26	980-9l98J-00V003	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 4m, Black, 26AWG 5 Year Warranty
PCP1600-E005	MCP1600-E005	980-9I43Z-00V003	100% Mellanox Compatible Passive Copper cable IB EDR 100GB/S, QSFP, 5m 26AWG 5 Year Warranty
PCP1600-E005E26	MCP1600-E005E26	980-9I58I-00N100	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 5m, Black, 26AWG 5 Year Warranty
PCP1600-E00A	MCP1600-E00A	980-9199S-00C004	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP, LSZH, 0.5m 30AWG 5 Year Warranty
PCP1600-E00AE30	MCP1600-E00AE30	980-9l35P-00W002	100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, QSFP28, 0.5m, Blac k, 30AWG 5 Year Warranty



100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E00BE30 MCP1600-E00BE30 980-9IA3P-00V003 QSFP28, 0.75m, Black, 30AWG 5 Year Warranty 100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E01A MCP1600-E01A 980-9I62Z-00E005 QSFP, LSZH, 1.5m 30AWG 5 Year Warranty 100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E01AE30 MCP1600-E01AE30 980-9I48Z-00W002 QSFP28, 1.5m, Black, 30AWG 5 Year Warranty 100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E01BE30 MCP1600-E01BE30 980-9I35T-00W02A QSFP28, 1.25m, Black, 30AWG 5 Year Warranty 100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E02A MCP1600-E02A 980-9IA3T-00W002 QSFP, LSZH, 2.5m 26AWG 5 Year Warranty 100% Mellanox Compatible Passive Copper cable, IB EDR, up to 100Gb/s, PCP1600-E02AE26 MCP1600-E02AE26 980-9I48J-00C005 QSFP28, 2.5m, Blac k, 26AWG 5 Year Warranty

4. Contact Information

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