

Features:

- Recognizable, purple PVC jacket
- 400G to 400G data rate
- CMIS compliant
- Single 3.3V power supply
- Typ. 4.5W power dissipation each end
- BER < 10⁻¹⁵ (post FEC)
- Hot pluggable
- RoHS2 compliant
- I2C management interface
- Operating case temperature range: 0°C to +70°C



Standards:

- Common Management Interface Specification CMIS v3.0
- QSFP-DD MSA v3.0

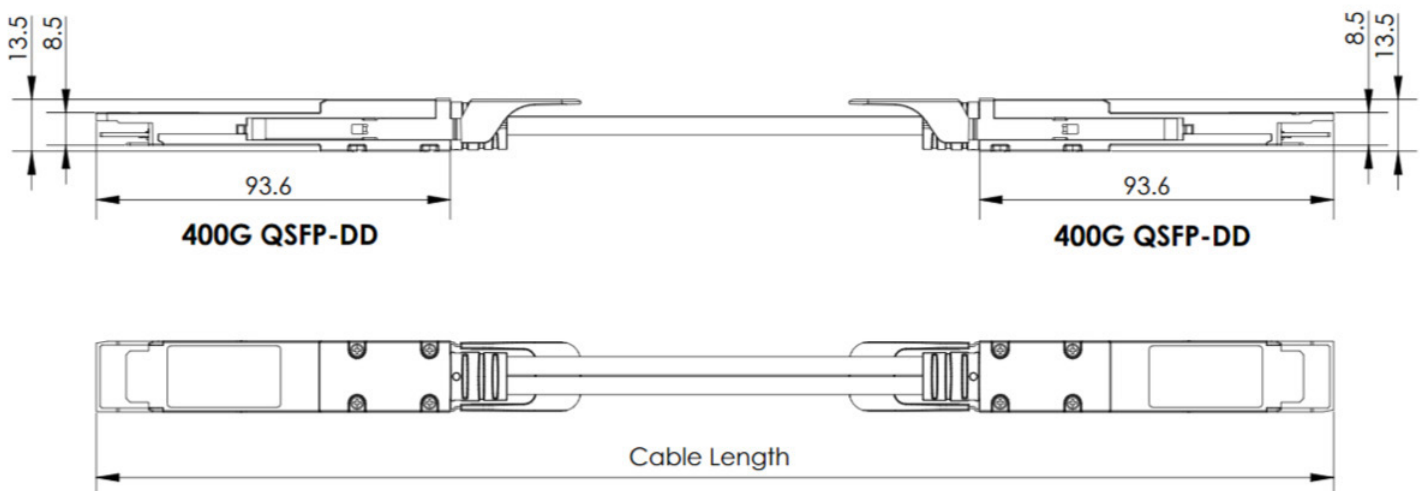
1. General Product Characteristics

Parameter	Value
Module Form Factor	QSFP-DD type 2
Number of Data Lanes	8 TX and 8 RX per module (PAM4)
Maximum Aggregate Data Rate	400Gbps
Nominal Data Rate per Lane	53.125Gbps (PAM4)
Electrical Interface and Pin-out	76-pin edge connector
Pin Description	Per QSFP-DD Hardware Specification
Management Interface	I2C, serial, timing per Common Management Interface Specification for 8X/16X Pluggable Transceivers (OSFP)
Length of Copper AEC	3m, 32AWG 1x16P 1x6.8mm; 5m – 7m, 30AWG 2x6.5mm; 7m, 28AWG, 1x11mm
BER (Pre-FEC)*	Typ. <10 ⁻⁸ *Tested with QPRBS31 pattern
BER (Post-FEC)*	<10 ⁻¹⁵ *Tested with QPRBS31 pattern

2. Mechanicals

Parameter	Cable Type	Typical
Diameter	16P 32AWG	1x6.8mm
Diameter	8P 30AWG	2x6.5mm
Diameter	16P 28AWG	1x11mm

3. Mechanical Diagram



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.

4. Ordering Information

OEM	Part Number	OEM	Part Number
Juniper	QDD-400G-AEC-3M-A	MSA Generic	AN-QDD400G-AEC-3M-PR-3
Juniper	QDD-400G-AEC-5M-A	MSA Generic	AN-QDD400G-AEC-5M-PR-3

5. Contact Information

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