

Overview

The QSFP+ to 4SFP+ Passive DAC Cables offers a cost-effective interconnect solution for merging 40G and 10G connectivity between host adapters, switches and servers.

Each QSFP+ to 4SFP+ passive DAC cable features a single connector (SFF-8436) on one end, rated for 40Gbps, and on the other end, 4 SFP+ connectors (SFF-8431) each rated for 10Gbps.

For typical applications, users can install this QSFP+ to 4SFP+ passive DAC cable between an available port on their 40Gbps rated switch and feed up to 4 upstream 10Gbps SFP+ enabled switches.



Features & Benefits

- Cost-Effective Method to Link up a QSFP+ port with an Upstream 10GbE-SFP+ Switch
- 24AWG - 30AWG Cable
- Protocol Agnostic Support of 40GbE, QDR InfiniBand, SAS & Fiber Channel
- Up to 10.3125 Gbps Transfer Rate per SFP+ Channel (40 Gbps aggregate)
- Robust Zinc Die-Cast SFP+ Connectors with Pull-to-Release Latching
- Low Cross-Talk and Pair-to-Pair Skew Maintains Signal Integrity
- Supports All Current 10GbE Ethernet and 40GbE Ethernet Standards
- Designated Form Factor and Electrical Compliance for QDR InfiniBand
- Reduced Power Budget and Lower Port Cost Compared to Optical

Applications

- InfiniBand SDR, DDR
- Ethernet 1G, 10G
- Fiber Channel
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking
- Storage
- Hubs, Switches, Routers, Servers

Cable Diagram

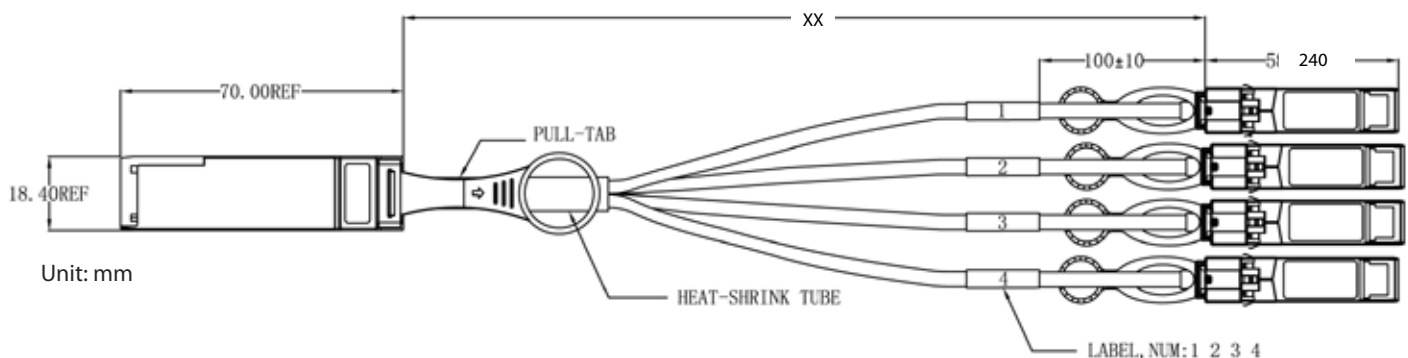


Table 1 - Absolute Maximum Ratings

Parameter	Range
Operating Voltage	6 V
Operating Case Temperature	-40 °C to +85 °C
Storage Ambient Temperature	-40 °C to +85 °C

Table 2 - Operating Conditions

Parameter	Minimum	Typical	Maximum	Units
Supply Voltage	3.13	3.3	5.25	V
Data Rate per Lane	1			Gb/s

Table 3 - Physical Data

Parameter	30AWG	24AWG	Units
Cable Diameter	4.5	6.5	mm
Bend Radius, Minimum Sustained Bend	22.5	32.5	mm

Standards Compliance

- Electrical: IBTA V2 Revision 1.2.1
- IEEE 802.3ba
- EEPROM: SFF-8436 and SFF-8431
- QSFP+ MSA & SFP+ MSA
- RoHS



Product Selection

Part Number: 75-QS040-XX	Length		AWG
xx	1M	1 meter cable	30
	2M	2 meter cable	30
	3M	3 meter cable	30
	4M	4 meter cable	24
	5M	5 meter cable	24
	6M	6 meter cable	24
	7M	7 meter cable	24

Custom Cable Lengths and Colors also Available