QSFP+ , 40Gb/s, Active Optical Cable

DESCRIPTION

The FCI QSFP+ QDR, 40Gb/s, Active Optical Cable series provides a cost effective, high performance, plug & play solution.

The AOC features optical engines inside both cable connectors improving speed and distance versus traditional copper assemblies.

By having the same supplier transceiver at both ends, the assembly assures interoperability and provides an excellent link performance.

The assembly is a full duplex, 4 channel construction whereby each channel is capable of transmitting data at rates up to 10 Gb/s.

Typical applications are serving transmission distances between 3m and 100m.



FEATURES & BENEFITS

- **Cost effective**
  - Simplified designs
  - Limited number of discrete components in the link
  - Elimination of on-site cleaning
- **Ease of installation**
  - Plug & Play
  - No dust contamination
  - Closed optical system providing 100% eye safety
- **Interoperability**
  - SFF-8436 QSFP+ compliant mechanical design
  - Supports Infiniband SDR, DDR and QDR
  - Same brand transceiver on each end
- **Reliability**
  - 100% final tested
  - Assembled under clean room environment
  - Optimum Signal Integrity

TARGET MARKETS / APPLICATIONS

- Data Center
- High Performance Computing
- Switching
- Industrial

XLERATE™-4X

TECHNICAL INFORMATION

MECHANICAL

- Cable:
  - Multi-mode
  - OFNP
- Mates with:
  - Board Connector: 10099113-101LF
  - Cage: 10099114-001LF

ELECTRICAL

- Power supply voltage: 3.3V
- Data rate per lane: 10 Gb/s
- Power consumption per plug: 0.8W (typ.)
- Transmitter type: VCSEL
- Receiver type: PIN-diode

ENVIRONMENTAL

- RoHS 6/6 compliant
- Laser Class 1 / CDRH
- Case temperature 0 – 70 degrees C
- Halogene free

SPECIFICATIONS

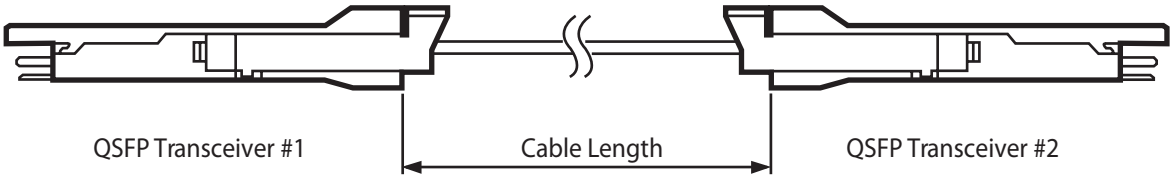
- Cable connector meets MSA - QSFP+ form factor (SFF 8436)
- Cable assembly supports Infiniband SDR, DDR and QDR
- Product Specification: GS-12-1065

APPROVALS AND CERTIFICATIONS

- TUV : DE 2-015589
- UL : E 251142-A2
- FDA : 0820640-xxx

PACKAGING

- Blister reel up to 30 meter length
- Box beyond 30 meter length



PART NUMBERS

ICD040GVP163D-XX	Straight exit boot

Suffix XX	Cable Length (m)	Category	Colour
01	1	OM2	Orange
05	5	OM2	Orange
10	10	OM2	Orange
15	15	OM2	Orange
20	20	OM2	Orange
30	30	OM3	Aqua
50	50	OM3	Aqua
C0	100	OM3	Aqua

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