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CXP, 150Gb/s Active Optical Cable

DESCRIPTION

The 150Gb/s CXP - CXP Active Optical Cable (AOC) is a natural building block in the range of CXP cable assemblies. It provides a cost effective, high performance, plug and play solution.

Form factor CXP delivers the highest hardware faceplace port density.

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

The assembly is a full duplex, 12 channel construction whereby each channel is capable of transmitting data at rates up to 12.5Gb/s

Typical applications are serving transmission distances between 5 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 and Play
- No dust contamination
- Closed optical system providing 100% eye-safety

Interoperability

- SFF- 8642 compliant
- Supports Infiniband SDR, DDR and QDR data rates
- 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

XLERATETM-12X

FCi

TECHNICAL INFORMATION

MATERIALS

- ► Fiber cable:
 - Multi-mode
 - OFNP
- Mates with:
 - 84 pos CXP board connector

ELECTRICAL PERFORMANCE

- ► Power supply voltage: 3.3V
- ▶ Data rate per lane: 12.5 Gbps
- ► Power consumption: 2.1 W (typ.)
- Transmitter type: VCSEL
- Receiver type: PIN-diode

PACKAGING

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

ENVIRONMENTAL

- ▶ RoHS 6/6 compliant
- ► Laser Class 1 / CDRH
- Case temperature 0 70 degrees C
- ► Halogene free (optional)

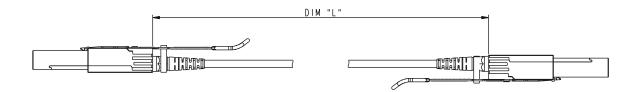
SPECIFICATIONS

- Module meets MSA Small Form Factor SFF-8642
- Cable assembly supports Infiniband SDR, DDR and QDR
- ► Product Specification: GS-12-1073

APPROVALS AND CERTIFICATIONS

TUV : DE2-015589
UL : E251142-A2

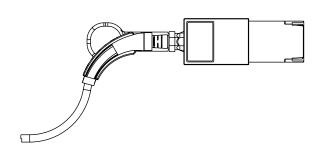
► FDA : 0820640-xxx rev 004



PART NUMBERS

| ICD150GVP2410-XX | Straight exit boot 90 degree exit boot | |
|------------------|---|--|
| ICD150GVP2430-XX | | |

| Suffix XX | Cable Length (m) | Category | Colour |
|-----------|------------------|----------|--------|
| 01 | 1 | OM2 | Orange |
| 03 | 3 | OM2 | Orange |
| 05 | 5 | OM2 | Orange |
| 10 | 10 | OM2 | Orange |
| 15 | 15 | OM2 | Orange |
| 20 | 20 | OM2 | Orange |
| 30 | 30 | ОМ3 | Aqua |
| 50 | 50 | ОМ3 | Aqua |
| C0 | 100 | ОМ3 | Aqua |



ELXCXP1500612EA4

