OCulink Cable Assembly

OVERVIEW

Luxshare-TECH Oculink focuses on the internal and external interconneciton based on PCIe protocol. It is a Small Form Factor connector and cable product family. Luxshare-TECH Oculink is compliant to SAS and PCIe protocol. And as a high speed product, Oculink could support PCIe up to 16Gbps, and meet SAS4.0 specifica tion.

Luxshare-TECH Oculink has passive straight and right angle cable plug type, and as for latch type, the passvie latch and the active latch are both available.

Luxshare-TECH Oculink is widely adopted in computing and storage device, mobile device, plugable module and low profile add in card application etc.

FEATURES & BENEFITS

- Support cable to board application
- Multiple channels are optional: 4X is most commonly used type
- Small size design with great robustness : pitch 0.5mm connector and max 25N wrenching test
- Excellent SI performance: signal rates up to PCIe4 16GT/s, SAS 4.0 24Gbps
- Compatible with diverse industry standards and protocols including SAS, PCIe
- Straight, right angle, side exit and customization cable plug are optional
- 85 ohm and 100 ohm impedances are optional
- 31-34AWG cables are available for both discrete and ribbon cable
- RoHS compliant. Halogen free is available on request

PRODUCT APPLICATIONS

DATA
Servers
RAID System
Storage Racks
HBA Interfaces

INDUSTRY STANDARDS

SFF-8611, SFF-8612
SAS 3.0 / 4.0(12Gbps/24Gbps)
PCIe Gen 3 / Gen 4(8Gbps/16Gbps)

TECHNICAL INFORMATION

MATERIAL

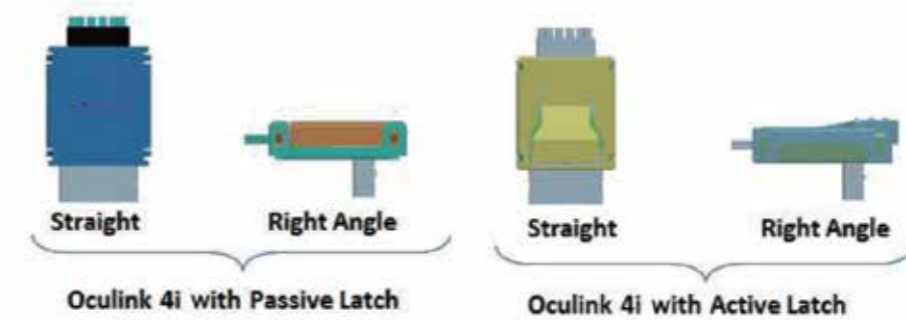Contact gold plated 30u''
Metal Latch，Plastic body

ELECTRICAL PERFORMANCE

Differential impedance: 85 & 100 ohm
Current : 0.5 A/contact
Voltage: 30 V AC/contact

SPECIFICATION

ES-10-00-0017

TYPES

Straight　　Right Angle　　Straight　　Right Angle

Oculink 4i with Passive Latch　　Oculink 4i with Active Latch

MECHANICAL PERFORMANCE

Rated Durability Cycles 250
Latched Plug Retention Force 50 N minimum

ENVIRONMENTAL

Operating Temperature: -40° to +80°C
RoHS compliant

Partial PN Table

Product Numbers	Product Description
LA0OLXXX-SD-R	Internal OCulink 4i Cable Assembly 1.0 m 31 AWG
LA0OLXXX-SD-R	Internal OCulink 4i Cable Assembly 0.7 m 32 AWG
LA0OLXXX-SD-R	Internal OCulink 4i Cable Assembly 0.5 m 34 AWG