

OCulink Cable Assembly



OVERVIEW

Luxshare-TECH Oculink focuses on the internal and external interconnection 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 specification.

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

Luxshare-TECH Oculink is widely adopted in computing and storage device, mobile device, pluggable 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)

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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

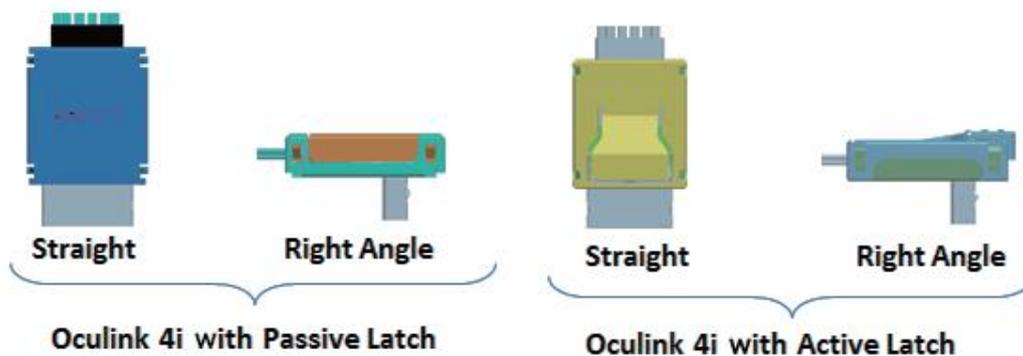
TYPES

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
LA00LXXX-SD-R	Internal OCulink 4i Cable Assembly 1.0 m 31 AWG
LA00LXXX-SD-R	Internal OCulink 4i Cable Assembly 0.7 m 32 AWG
LA00LXXX-SD-R	Internal OCulink 4i Cable Assembly 0.5 m 34 AWG