LUXSHARE TECH
立讯技术

OCulink Connector

OVERVIEW

OCuLink is a high speed and high density interconnection solution that be adopted in PCIe application. Luxshare-TECH provide not only the board connector but the customized corresponding cable for PCIe Gen3 interconnection. The internal and external Small Form Factor PCIe connectors and cables optimized for the client and mobile market that is OCulink focus on. Luxshare's OCulink meets the PCIe 3.0, 8GT/s, enabling optical and copper technology to coexist.

FEATURES & BENEFITS

◆ High density, 4mm height connector to save space

◆ 42pin (4i),Vertical and Right Angle types options available

◆ Shell with SMT and Through hole options support wide variety of applications

◆ Vertical type with enhanced shell design

◆ Supports PCIe 3.0 (8GT/s)

PRODUCT APPLICATIONS

Data center & Networking Equipment

Servers/Storage Devices

Switch

SAS HBA/RAID Controller Card

INDUSTRY STANDARDS

SFF-8612

OCulink Connector

TECHNICAL INFORMATION

MATERIAL

Contact Base Metal: Copper Alloy

Contact Area Finish: Gold over Nickel

Solder Area Finish: Gold over Nickel

Housing: High temperature thermoplastic(UL 94V-0)

Shell :Stainless steel

Shell Finish: Nickel plated

ELECTRICAL PERFORMANCE

Voltage: 30V AC / contact

Current: 0.5A / contact

ENVIRONMENTAL

Operating temperature : -40℃ TO +85℃

Storage temperature : -20℃ TO + 85℃

MECHANICAL PERFORMANCE

Rated Durability Cycles 50

Mating force:

w/out latch: 2N~20N

w/Passive latch: 10N~40N

w/Active latch: 8N~40N

Unmating force:

w/out latch: 1N~16N

w/Passive latch: 8N~25N

w/Active latch: 8N~25N

PACKAGING

Tape & Reel

Partial PN Table

Product Numbers	Product Description
PPC050-4233-TX2-1H	Vertical x4
PPC050-4233-TX3-1H	Vertical x4 Enhanced type
PPC050-4243-TX2-1H	Right Angle x4