LUXSHARE TECH
立讯技术

Super SFP-DD and Ultra SFP-DD High Speed I/O Connector & Cage

OVERVIEW

Luxshare-TECH's Super SFP-DD and Ultra SFP-DD connector's pitch is 0.8mm, It has double density compared with U-SFP. Each port has two channels, supports data rate up to 56Gbps, potential to 112Gbps as aggregated bandwidth. Solder pads on connector help to enhance welding robustness. Cage construction features EMI shielding available in the form of metal spring. Additional features available include light pipes, heat sinks and many other custom features.

FEATURES & BENEFITS

- Size is as small as Ultra SFP connector
- Support 25 Gbps/Channel for Ethernet application and 28Gbps/channel for FC application, 56Gbps PAM4/channel
- Enhanced EMI cage design provides excellent EMI-protection and thermal performance
- Solder pads on connector help to enhance welding robustness

PRODUCT APPLICATIONS

Data center & Networking Equipment
Servers/Storage Devices
Switches/Routers

INDUSTRY STANDARDS

SFP-DD MSA

TECHNICAL INFORMATION

MATERIAL

Cage: Copper Alloy
EMI Spring: Stainless Steel or Copper Alloy
Connector
Housing&Molding: High temperature thermoplastic(UL 94V-0)
Terminals: Copper Alloy
Contact Area Finish: Gold over Nickel

ELECTRICAL PERFORMANCE

Voltage: 30V AC/DC MAX
Current: 0.5A MAX per contact

ENVIRONMENTAL

Connector
Operating temperature : -40°C TO +85°C
Storage temperature : -15°C TO +85°C
Relative humidity: 20% to 80%
Atmospheric pressure: 650mm to 800mm of Hg (86 ~106Kpa)
Cage
Operating temperature : -55°C TO +85°C

MECHANICAL PERFORMANCE

Rated Durability Cycles: 100
Mating Force: 1N/pin MAX
Unmating Force: 0.75N/pin MIN
Insertion Force into PCB(immersion OSP plated):544N for 1X1

TOOLING INFORMATION

Configurations: 1XN (N=1)

PACKAGING

Connector: Tape & Reel
Cage: Reel

SPECIFICATION

ES-11-00-0032
ES-11-00-0033

Partial PN Table

Product Numbers	Product Description
PSD040-7501-001-1H	U-SFP-DD Connector,40P,Au30u",SMT,W/O PAD
PSD040-7500-001-1H	U-SFP-DD Connector,40P,Au30u",SMT,With PAD
PSDC15-E3B0-010-0R	SFP-DD 1X1 CAGE,2 EON in the rear-end,w/ heatsink(13.7mm), w/o lightpipe
PSDC15-E300-110-0R	SFP-DD 1X1 CAGE,2 EON in the rear-end,w/o heatsink,w/o lightpipe,window open on the top
PSDC15-E300-010-0R	SFP-DD 1X1 CAGE,2 EON in the rear-end,w/o heatsink,w/o lightpipe,small window open on the top