

QSFP+ to 4xSFP+ Fan-out Copper Cable Assembly

OVERVIEW

Luxshare-TECH QSFP+ to 4xSFP+ fan-out copper cable assemblies provide a very flexible solution for telecom and data center customers to design the system architecture and topology of the interconnection among devices easily. It could resolve the data transmission well when switch device is updated or some racks are bridged for communication. Based on years of experience, Luxshare-TECH could provide the full range of DAC and ACC products to support 0.5m~10m transmission by a cost-saving method. Luxshare-TECH QSFP+ to 4xSFP+ copper cable assemblies consist of 8(100Ohm) differential pairs which are individually shielded. In the cable assembly each side transmits a group of 4 differential pairs each running at 10G. One end of the cable is a QSFP+ plug with the standard gold finger interface that complies with the mechanical dimensions of the QSFP+ MSA. The other end consists of 4 SFP+ plugs that conform to SFP+ MSA. Each data lane will contain one DC blocking cap.



FEATURES & BENEFITS

- Compliant with SFF-8431/SFF-8436
- Compliant with IEEE802.3ba, IEEE802.ae
- 4 independent full-duplex passive copper cable transceiver
- Up to 10 Gbps data rate per channel
- High-Density QSFP+ 38-PIN and 4x SFP+ 20-PIN Connector
- DAC length from 0.5m~7m, ACC length up to 10m by 32AWG~24AWG high speed raw cable
- Single +3.3V power supply
- Excellent and stable SI performance
- I2C based two-wire serial interface of EEPROM signal
- Operating temperature: 0°C~+70°C
- Storage Ambient Temperature:-40°C~+85°C
- Power level : Less than 30mw
- All materials comply with Rosh, and PCB, cable can achieve HF and others

PRODUCT APPLICATIONS

Server
Network Storage
HPC
Router/Switch

INDUSTRY STANDARDS

IEEE 802.3ba and 802.3ae
SFF-8436 & 8431
Interoperability compliance
FC(Fiber Channel)

TECHNICAL INFORMATION

MATERIAL

Contact gold plated 30u"
Nickel plated zinc die cast shells & latching
Mechanism parts
Thermoplastic cable pull tab

MECHANICAL PERFORMANCE

Rated Durability Cycles 250
Latch Pull Strength 90N MIN
Cable Retention in Plug 90N MIN

ENVIRONMENTAL

Storage temperature range: -40°C to +80°C
Operating Temperature: 0°C to +70°C
RoHS compliant

SPECIFICATION

ES-10-00-0006

ELECTRICAL PERFORMANCE

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

Partial PN Table

Product Numbers	Product Description
LA0QFXXX-SD-R	QSFP n*10G 30AWG 1.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*10G 30AWG 2.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*10G 30AWG 3.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*10G 26AWG 5.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*25G 30AWG 1.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*25G 30AWG 2.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*25G 30AWG 3.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*25G 26AWG 5.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*50G 26AWG 3.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*50G 30AWG 2.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*50G 30AWG 1.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*50G 30AWG 3.0M Active Cable Assembly
LA0QFXXX-SD-R	QSFP n*50G 28AWG 5.0M Active Cable Assembly
LA0QFXXX-SD-R	QSFP n*100G 26AWG 2.0M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*100G 28AWG 1.4M Passive Cable Assembly
LA0QFXXX-SD-R	QSFP n*100G 30AWG 1.0M Passive Cable Assembly

Schematic

