LUXSHARE TECH
立讯技术

Super QSFP Copper Cable Assembly

OVERVIEW

Luxshare-TECH 100Gbps Super QSFP copper cable is widely adopted in the interconnection among switch units in datacenter based on Ethernet, and adopted in Supercomputing system based on IBTA. It is a high reliability, high aggregate data bandwidth and cost-saving solution. Luxshare-TECH 100G S-QSFP copper cables combines four channels operating at speeds up to 28Gbps per channel into one affordable high-density package(QS FP). Luxshare-TECH Super QSFP cables integrate a standard 38-position gold finger interface and zinc die-cast backshells for superior EMI performance. The Super QSFP copper cable provides lower insertion loss, less skew, better mechanical and reliability perfor mance by adopting excellent SI performance raw cable and reliable components. Luxshare-TECH′ s Super QSFP copper cable products show the diverse type and full range of length coverage with the customers in the industry, DAC up to 7meter length, ACC up to 10meter length.

FEATURES & BENEFITS

- Compliant with SFF-8436
- Compliant with IEEE802.3bj
- Up to 28 Gbps data rate per channel
- Mating with the standard 38-pin QSFP connector
- Copper link length up to 3m for 30AWG or 5m for 26AWG
- Single +3.3V power supply
- Excellent SI performance
- I2C based two-wire serial interface of EEPROM signal
- Operating temperature: 0℃~+70℃
- Storage Ambient Temperature:-40℃~+85℃
- Power level I: Less than 30mw(DAC)
- All materials comply with RoHS2.0

PRODUCT APPLICATIONS

Server
Network Storage
HPC
Router/Switch

INDUSTRY STANDARDS

IEEE 802.3bj
SFF-8436
IBTA EDR

TECHNICAL INFORMATION

MATERIAL

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

ELECTRICAL PERFORMANCE

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

MECHANICAL PERFORMANCE

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

ENVIRONMENTAL

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

SPECIFICATION

ES-10-00-0009

Partial PN Table

Product Numbers	Product Description
LA0QF081-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-0.5M
LA0QF082-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-1M
LA0QF083-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-1.5M
LA0QF084-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-2.0M
LA0QF085-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-2.5M
LA0QF086-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 30AWG-3.0M
LA0QF087-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-2.5M
LA0QF088-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-3M
LA0QF101-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-1.0M
LA0QF103-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-4M
LA0QF106-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-1.5M
LA0QF107-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 26AWG-3.5M
LA0QF120-SD-R	S-QSFP PASSIVE CABLE ASSEMBLY 28AWG-4.0M

Schematic