

External MiniSAS-HD Cable Assembly

OVERVIEW

Luxshare-TECH 12Gbps External MiniSAS-HD 4X cable assembly can provide good SI and mechanical performance and quality. Luxshare-TECH external MiniSAS-HD cable provide lower loss, less skew by adopting hi-performance raw cable and self-designed PCBA. Luxshare-TECH MiniSAS-HD adopts 360° EMI crimping shielding and Zinc Die-cast shell designing. And all the designing is based on the industry standard specifications, and support SAS3.0 and PCIe3.0 interconnection.



FEATURES & BENEFITS

- Compliant with SFF-8644, SFF-8086, SFF-8614
- 4x (4 channels) base configuration
- Applying for the interconnection between server and storage, or AI architecture etc
- I2C for EEPROM communication
- Support External SAS3.0, rate up to 12G
- 100 Ohms differential impedance
- Pull to Release latch design
- 30AWG and 24AWG cable available
- Relative Humidity < 80%
- 360 degree EMI crimping shielding
- All parts meet RoHS or PCB and raw cable meet HF, other parts meet RoHS

PRODUCT APPLICATIONS

- Server
- External Storage
- HBA Interfaces
- DAS, SAN
- Switches

INDUSTRY STANDARDS

- T10/SAS3 • PCIe3
- SFF-8644

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°C to +80°C
- Operating temperature: -20°C to +80°C
- RoHS compliant

SPECIFICATION

ES-10-00-0017

Partial PN Table

Product Numbers	Product Description
LA0HE002-SD-R	1.0m/30AWG, External MiniSAS-HD 4x cable assembly
LA0HE003-SD-R	2.0m/30AWG, External MiniSAS-HD 4x cable assembly
LA0HE004-SD-R	3.0m/30AWG, External MiniSAS-HD 4x cable assembly
LA0HE005-SD-R	1.0m/28AWG, External MiniSAS-HD 4x cable assembly
LA0HE006-SD-R	2.0m/28AWG, External MiniSAS-HD 4x cable assembly
LA0HE007-SD-R	3.0m/28AWG, External MiniSAS-HD 4x cable assembly
LA0HE008-SD-R	4.0m/28AWG, External MiniSAS-HD 4x cable assembly
LA0HE009-SD-R	3.0m/26AWG, External MiniSAS-HD 4x cable assembly
LA0HE010-SD-R	4.0m/26AWG, External MiniSAS-HD 4x cable assembly
LA0HE011-SD-R	5.0m/24AWG, External MiniSAS-HD 4x cable assembly
LA0HE012-SD-R	6.0m/24AWG, External MiniSAS-HD 4x cable assembly

Schematic

