

External MiniSAS Cable Assembly



OVERVIEW

Luxshare-TECH’s external MiniSAS cable assembly address the demand for a reliable, cost-effective, high-speed serial I/O that support SAS2.1(6Gbps). It achieves the external interconnection between server and storage devices. Luxshare-TECH external MiniSAS cable assembly conform to Serial Attached SCSI (SAS) protocol for multilane ports and the mechanical requirements defined in the SFF-8086 and SFF-8088 specification.

FEATURES & BENEFITS

- Compliant with SFF-8086, SFF-8088
- 4x (4 channels) base configuration
- High speed storage applications
- Support External SAS2.1, rate up to 6G
- 100 Ohms differential impedance
- Pull to Release latch design
- 30AWG, 28AWG and 26AWG cable available
- Operation temperature -20°C~+80°C
- Storage Ambient Temperature:-40°C~+85°C
- 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-8088

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-10-00-0003,

Partial PN Table

Product Numbers	Product Description
LA0ESXXX-SD-R	Passive Cable Assembly 30AWG 1M
LA0ESXXX-SD-R	Passive Cable Assembly 28AWG 3M
LA0ESXXX-SD-R	Passive Cable Assembly 26AWG 5M

Schematic

