

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

External MiniSAS Cable Assembly

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

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

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, ES-10-00-0004

Schematic

