

## SlimSAS Cable Assembly



### OVERVIEW

Luxshare-TECH's SlimSAS is a robust and cost effective high speed connector and cable assembly solution. The SlimSAS products is specially designed for new generation SAS4.0 server and storage application with higher speed 24Gbps data rate and smaller size. The solution can also be used in PCIe Gen3/Gen4, 25G Ethernet and other potential applications.

SlimSAS cables can be widely applied in the data center, networking and telecommunications markets that use SAS, PCIe, Ethernet and other high speed signal protocols.

SlimSAS cables and connectors support many interconnection application including backplane to motherboard, backplane to add-in card and card to motherboard.

Luxshare-TECH's SlimSAS cable assemblies can be provided with 30AWG~34AWG discrete pairs and flat ribbon cable and the cable plug types are available in straight, right angle, right side-exit and left side-exit plug configurations to mate with board mount connectors.

### FEATURES & BENEFITS

- ◆ Support cable to board application: 1.0mm PCB card thickness
- ◆ Multiple channels are optional: 4X/6X(38pos),8X/12X(74pos),more customized requirement available
- ◆ Small size design with great robustness : Pitch 0.6mm connector and max 25N wrenching test
- ◆ Excellent SI performance: Signal rates up to PCIe4 16Gbps, SAS 4.0 24Gbps and 25Gbps Ethernet
- ◆ Compatible with many different industry standards and protocols including SAS, PCIe and 25G Ethernet
- ◆ Straight, right angle, side exit and customization cable plug are optional
- ◆ 85 ohm and 100 ohm impedances are optional
- ◆ 30-34AWG cables are available for both discrete and ribbon cable
- ◆ RoHS compliant. Halogen free is available on request

### PRODUCT APPLICATIONS

#### DATA

Servers  
RAID System  
Storage Racks  
HBA Interfaces

#### COMMUNICATIONS

Switches

### INDUSTRY STANDARDS

SFF-8654  
SAS 3.0/4.0(24Gbps)  
PCIe Gen 3 / Gen 4(32GT/s)  
OpenCAPI 25Gbps  
25G Ethernet

# SlimSAS Cable Assembly

## TECHNICAL INFORMATION

### MATERIAL

Contact gold plated 30u"  
Metal Latch, Plastic body

### ELECTRICAL PERFORMANCE

Differential impedance: 85 & 100 ohm  
Current : 0.5 A/contact  
Voltage: 30 V AC/contact

### SPECIFICATION

ES-10-00-0019

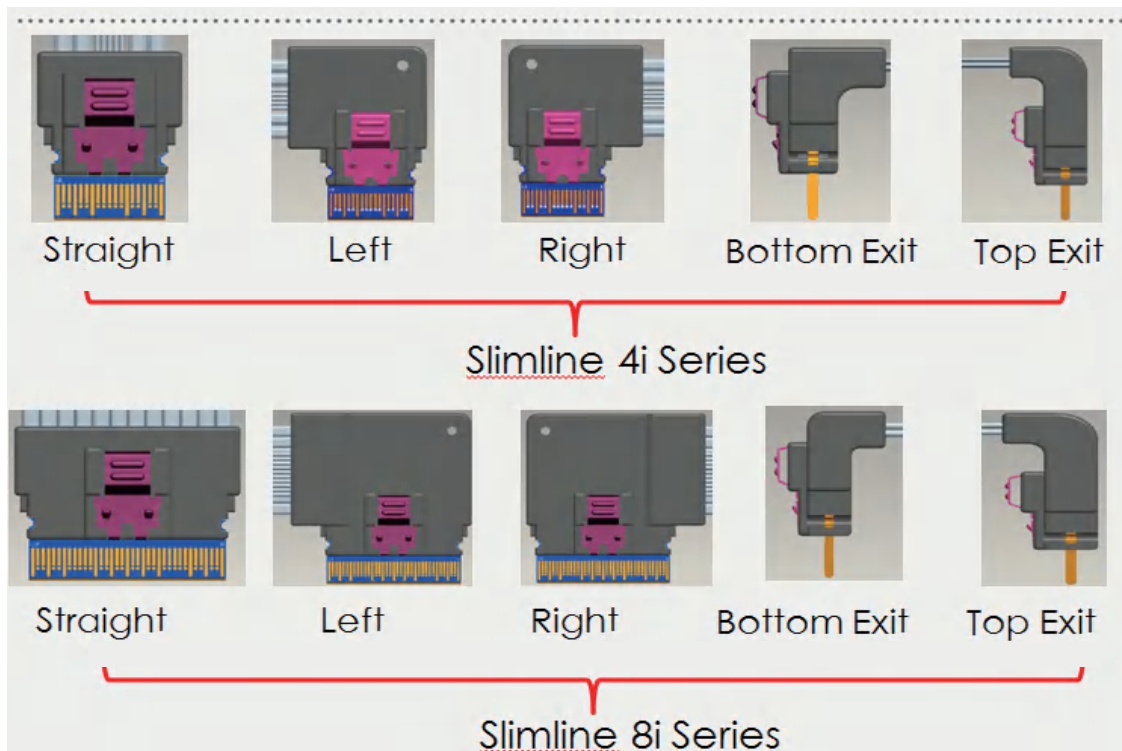
### MECHANICAL PERFORMANCE

Rated Durability Cycles 250  
Latched Plug Retention Force 50 N minimum

### ENVIRONMENTAL

Storage Temperature Range: -20°C to +80°C  
Operating Temperature: 0°C to +80°C  
RoHS compliant

## TYPES



## Partial PN Table

Product Numbers	Product Description
LA0SLXXX-SD-R	Internal SlimSAS 4i Cable Assembly 1.0 m 30 AWG
LA0SLXXX-SD-R	Internal SlimSAS 8i Cable Assembly 1.0 m 30 AWG
LA0SLXXX-SD-R	Internal SlimSAS 4i Cable Assembly 0.7 m 32 AWG
LA0SLXXX-SD-R	Internal SlimSAS 8i Cable Assembly 0.7 m 32 AWG
LA0SLXXX-SD-R	Internal SlimSAS 4i Cable Assembly 0.5 m 34 AWG
LA0SLXXX-SD-R	Internal SlimSAS 8i Cable Assembly 0.5 m 34 AWG