

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

External MiniSAS-HD 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
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

MECHANICAL PERFORMANCE

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

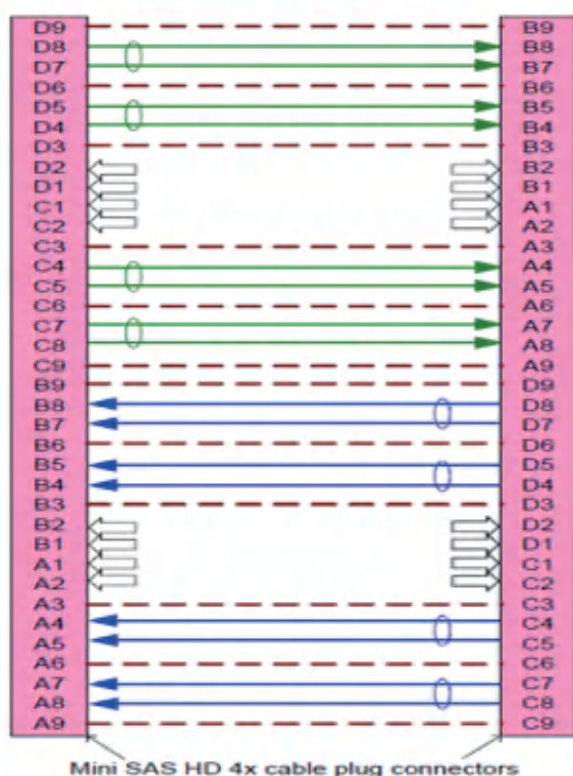
ENVIRONMENTAL

Storage temperature range: -40°C to +80°C
Operating temperature: -20°C to +80°C
RoHS compliant

SPECIFICATION

ES-10-00-0017

Schematic



EEPROM PIN DEFINE



NOTE: B1 is free side. B2 connect to ground.

