

4i

Mini-SAS

Copper Assembly

Amphenol's High Speed Mini-SAS Assemblies are ultra-high performance, cost effective solution for high speed serial buses supporting SAS architectures. Our High Speed Mini-SAS Assemblies meet and exceed SAS-2 standards and requirements.

Interface

- > Mini-SAS 4i
- > Board as connector compliant to SFF-8088

Cable Options

- > 4X Twin Axial SkewClear™ 8 Pair cable
- > 4X Twin Axial SkewClear™ EXD 8 Pair cable

Key Features

- > Compliant to SAS-2 Specifications
- > I/O Connector designed for high speed differential signal applications
- > Low insertion loss and low crosstalk
- > Matched impedance
- > High precision control and minimization of in-pair and pair to pair skew
- > Compliant with various receptacle keying options
- > Data rates up to 6.0Gbps guaranteed

Applications

- > Data Storage and high capacity I/O in Storage Area Networks, and Network Attached Storage
- > Server Storage Systems
- > Small to medium business storage
- > High end enterprise storage

Standards Supported

- > SAS-2 Mini-SAS 4i

Connector Standards

- > SFF-8088

Specifications

- > Characteristic Impedance: 100 ohm +/- 10%
- > Maximum Voltage Rating: 30V AC
- > Maximum Current Rating: 500 mA AC
- > Temperature: -20°C to +85°C
- > High Temperature Shock: -40°C to +85°C
- > Length: .5 meters to 6 meters
- > Mating Durability: Minimum 250 Cycles
- > Vibration (Mated Pair): EIA-364-2AD Condition 7; Test condition letter D
- > Product Packaging: Assembly packed individually; identified for traceability; each assembly test certified

Serial Speeds

- Designed for high speed I/O and high performance processing systems used in routers, switches, computer clusters, and serial storage systems
- > SAS-2 1.5, 3.0, and 6.0 Gbps.

SAS products
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