

Now you're connected!

Product Overview

Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, storage & server, automotive, wireless, mobile devices as well as any industry standard.

The product portfolio from Amphenol East Asia includes
 SAS/Micro
 SAS/SATA
 Express/SATA/Micro
 SATA/Slim
 SATA/SCA2/SCSI
 Express /M.2 in storage connectors,
 HSD/Power/Pin
 Header/Socket/Terminal
 Block/USB3.0/Micro
 HDMI in automotive connectors,
 DSUB/Micro
 Ribbon/Mini D
 Ribbon in external I/O connectors,
 SIM/Micro
 SIM/SD/SD
 Combo/Micro SD card holder
 connectors in mobility system solutions and
 Power connectors with very wide

SCSI Express (PCIe-SAS) Connector (Socket/Plug)

Amphenol's SCSI Express Connector (PCIe-SAS) is a new type of internal storage connector that complies with SFF-8639 specification. Amphenol SCSI Express Connector supports device of SSD for high performance in critical data storage system with multiple protocols such as SAS, SATA or PCIe.

Amphenol focused on storage connector market over 20 years and is leading in SI technology and our professional design experience can meet your need no matter standard requirements or product specialty.

Product Features

- 68pin configuration
- 4 SAS or 4 PCIe channels + 2 Channels shared between SAS and PCIe
- 12 Gb/s data rate per SAS Channel
- Support cable link with special key plus special cable latch design.
- Compatible with 2 port SAS connector

Applications



How to define your SCSI Express (PCIe-SAS) Connector

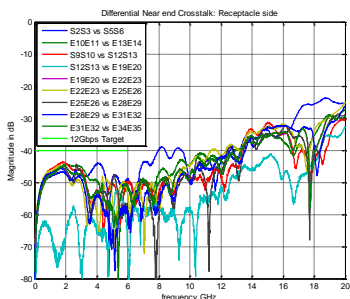
Series	Gender	Data Speed	Termination	Housing Material	Board Mounting Accessory	PCB Layout	Contact Plating	Packing
PCIe-SAS	Socket Plug	12Gbps	Straight SMT R/A SMT Cable	LCP PPA	No accessory Board Lock Solder Tab	Standard Tailor -Made	0.76um Au 0.38um Au Gold flash	Tray Cover Tape& Reel

12G SCSI Express (PCIe-SAS) Connector

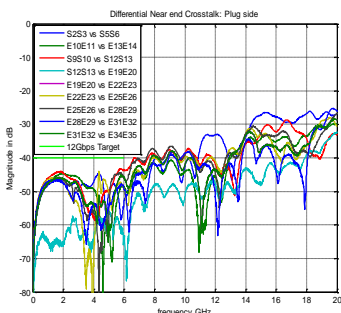
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Related Products

Amphenol manufactures a wide product range of SCSI Express (PCIe-SAS) connector with data transfer speed rate of 12Gbps. Please contact your local Amphenol representative for details.



SI Profile, Receptacle Side
Cross talking meets -40dB



SI Profile, Plug Side
Cross talking meets -40dB



Electrical Data

- Current: 1.5A per pin (Power Segment)
- Dielectric strength: 500 VAC for 1 minute min
- Insulation resistance: 1,000 mega ohm min
- LLCR: 30 million ohm max (initial)
- Data rate: 12Gbps

Mechanical Data

- Material:
 - Housing: High temperature thermoplastic, UL 94V-0
 - Contact: Copper Alloy
 - Solder Tab/Solder blade: Copper Alloy
- Contact Plating: Au/Ni on mating area and Si/Ni on soldering area
- Insertion Force: 59N Max
- Withdrawal Force: 12N Min

Environmental Data

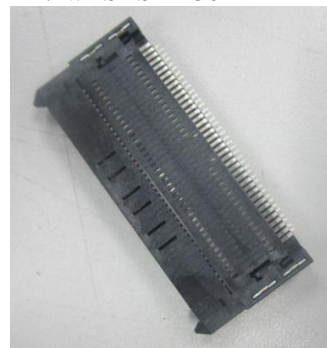
- Operating temperature: 0°C~+55°C
- Storage temperature: -40°C~+85°C

Typical 12G PCIe-SAS Connector

Vertical SMT, Receptacle
P/N: PSASF313021-XXX



R/A SMT, Receptacle
P/N: PSASF213021-XXX



Vertical SMT, Plug
P/N: PSASM313025-XXX



R/A SMT, Plug
P/N: PSASM213009-XXX

