

3M Introduces New Miniserial Attached SCSI (SAS) Interconnect Products

Next-generation designs enabling high-speed data transmission can be supported with the new 3M brand miniserial attached SCSI (small computer system interface) connectors from the 3M Electronic Solutions Division. The RoHS compliant* mini-SAS supports data transmission rates of six of 10 Gbps in server and storage applications, doubling the capacity of first-generation SAS connectors.

The 3M brand mini-SAS interconnect ensures signal integrity, protecting against data loss. It also significantly reduces the connector size for storage systems currently using SAS 4-lane. The 0.8 mm pitch board mount connector provides increased I/O density with greater channel capabilities and requires less space on printed circuit boards.

The mini-SAS system provides board designers with a variety of options, including three different tail lengths on the through-hole shields, kinked tails and SMT options. The connectors are offered in vertical and right-angle versions for internal board-mount uses and a right-angle design for external board-mount uses.

The 3M mini-SAS products conform to the SFF 8086, 8087 and 8088 standards. These standards were to support the aggregation and cabling of SAS signals into a high-speed, four-lane architecture, providing both internal and external configurations. Internal connectors use 36 positions, while external connectors use 26 positions. The connectors are all SMT, while the internal shield cages can be through-hole, kinked tails for through-hole, or SMT.

For more information, go to <http://www.3m.com/interconnect>.

About 3M Electronic Solutions Division

The 3M Electronic Solutions Division, headquartered in Austin, Texas, has numerous technologies and provides a wide range of products for the electronics market. It provides products and solutions to meet the electronic industry's challenges of protecting sensitive components and precisely delivering them to the assembly point, as well as flexible and multilayer microinterconnect packaging solutions; embedded capacitance laminate materials, copper and fiber interconnect systems; cables and cable assemblies; static control products, and Textool brand test and burn-in sockets.

About 3M - A Global, Diversified Technology Company

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"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based on information

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3M Editorial Contact: Matt Fagan, 512-984-3277 Fax: 512-984-3369 <http://www.3m.com/PressContact>

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