

3M Introduces New High Speed Hard Metric B19 Connector

- New Connector Extends Life of Existing System -

System design engineers working with VME and CompactPCI backplane systems now have a cost-effective path to higher speed serial I/O protocols such as PCI Express and RapidIO without disruptive backplane redesign or a forklift upgrade using the new 3M brand MetPak brand HSHM Press-Fit B19 Connector.

The 3M MetPak HSHM B19 connector supports speeds of up to 5.0 Gbps per differential pair while maintaining full pin-to-pin compatibility on the backplane with VME64x, P0 VITA 31 and P3 PICMG (PCI Industrial Computers Manufacturers Group) 2.16 connectors. Highly flexible and modular, 3M believes the new 3M product is the only high speed connector designed to meet the industry standard 2 mm hard metric format in accordance with the IEC-61076-4-101 connector standard. The 3M HSHM connectors use virtual coaxial shielding technology to provide maximum performance with minimal cross talk and skew, allowing them to plug into existing 2 mm hard metric connectors and support PCI Express and RapidIO protocols. Fully compatible designs can be built with fast serial links running up to 5.0 Gbps per differential pair, permitting PCI-Express and RapidIO to be run on existing backplanes without an expensive or disruptive backplane upgrade.

Multi-gigabit per second interconnection solutions compatible with the existing VME infrastructure were once considered impossible without an expensive, disruptive upgrade or system redesign. Further, some mission critical systems simply cannot be taken offline to increase speeds. The new 3M B19 connector solution enables the extension of the life of, and preserves the investment in, existing VME and CPCI systems.

Learn more about this product family and other 3M Interconnects at <http://www.3M.com/electronics>.

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 circuits, embedded capacitance laminate materials, copper interconnect systems; cables and cable assemblies; static control products, and Textool brand test and burn-in sockets.

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