CXP Interconnect Supports Total Bandwidth of 120 Gbps Through 12 Channels of 10 Gbps

To support the latest high-speed InfiniBand CXP 12x QDR standard and IEEE 100 Gbps Ethernet specification, TE Connectivity (TE) has developed an enhanced-footprint CXP pluggable connector and cage in a one-piece, press-fit assembly. This product supports 12 channels of up to 10 Gbps data rates for a total bandwidth of 120 Gbps, offers desirable electrical performance and supports pluggable copper or optical transceivers and active optical cable options. Engineered for applications in high-speed data environments, the assembly mitigates EMI leakage at the bezel opening and at the cage-to-plug interface. With an enhanced, dual-sourced footprint that increases space between the vias, the product reduces cross-talk and improves electrical performance, according to the company. The assembly's one-piece, press-fit design allows for quick and easy placement onto a PCB board. Threaded screw holes are also available as an optional enhancement to secure the CXP assembly onto a board.

Product offerings include lightpipe and EMI/dust plug options as well as three different heat-sink heights to suit various thermal applications. Belly-to-belly mounting options for use on both sides of a PCB board are also offered for high port density applications that require space savings.

Target applications include network switches, routers, storage devices, direct attached storage (DAS), storage attached networks (SAN), network attached storage (NAS), controller cards and servers.

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