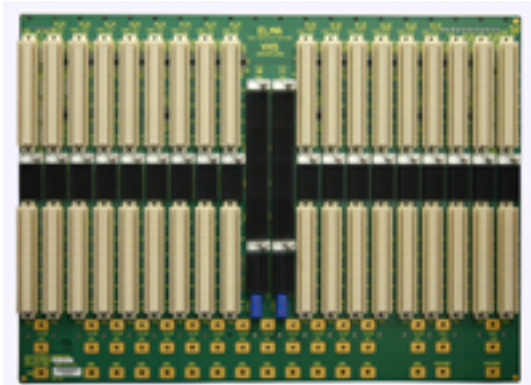


Bustronic Develops New VXS Backplanes with Ethernet Control Channel



Elma Bustronic Corporation now offers VXS backplanes with a Gigabit Ethernet Control Layer Channel per VITA 41.6.

The first in the series of Elma Bustronic's VXS Backplanes with the control channel is a 20-slot size. It features a dual star routing topology and 18-layer stripline design. The Gigabit Ethernet control channel provides for out-of-band communication. This can be particularly important for system management, software and firmware upgrades, and initiating new processes on specific boards. The 7U high backplane also has power studs in 3.3V, 5V, 12V, and GND along the top and bottom of the backplane to allow for flexible power options.

Elma Bustronic also offers Dual Star topologies VXS backplanes in 8, 12, 18, 20, and 21 slots. VXS Star backplanes include sizes in 5 slots and an 8-slot with one hub, 5 payload, and 2 legacy VME64x slots. Other Elma Bustronic innovations for VXS include a Switchless Mesh, Processor Mesh, VXS/VPX Hybrid backplanes, and Extender Card. The Switchless VXS backplane has 3 point-to-point mesh slots and 2 legacy VME64x slots. All of the company's VXS backplanes are compliant to the VITA 41.0 core specification.

The VXS Switched Serial architecture is VITA standard to advance VME technology. Fully backwards-compatible to VME/VME64x, VXS utilizes a high-speed MultiGig connector across the P0 section and switch card slots of an otherwise typical VME64x backplane. The new connector allows the use of switched fabric signals for higher bandwidth and reliability.

The VITA 41 specification for VXS includes VITA 41.1 for Infiniband and VITA 41.2 for RapidIO, VITA 41.3 for Gigabit Ethernet, and VITA 41.4 for PCI Express. Designers will have the flexibility of plugging in standard VME64x cards for parallel bus only, integrate new payload and switch cards for parallel bus and switch fabric transport or switch fabric transport only.

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