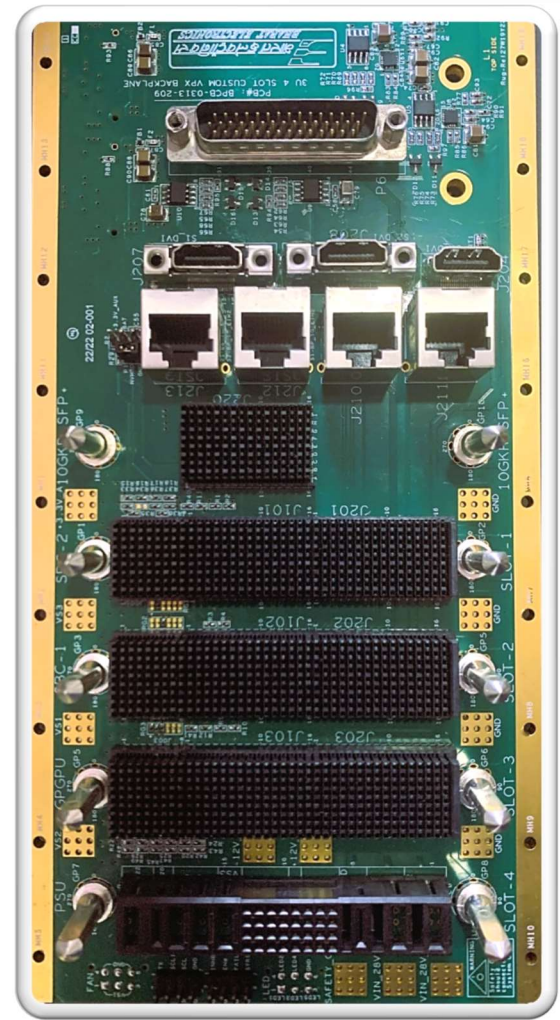Datasheet
Rug-Rel 5 Slot 3U CUSTOM VPX BACKPLANE
Part # BKP-0313-205

FEATURES

- Compliant to VITA 46.0 Baseline Application
- Supports VITA 46.4 x1 PCI Express® Gen3
- Supports VITA 65 including Ethernet 10G BASE-KR
- 5 slot 3U VPX Backplane 1" slot pitch
- VITA 42 standard PSU slot
- Utility Plane includes power
- Custom connectors for 1G-Ethernets, USB, RS232, RS422 and other discrete IOs on back plane.
- Uses the rugged 3U Eurocard form factor standard with the EPT Velox connector
- Two PCIe x 4 (Fat Pipe) host to 3rd Slot for Graphics Processor
- JTAG interface & geographic address pins
- Provides built in ESD ground protection in every slot
- Support for Intelligent Platform Management Interface (IPMI)
- M3 studs for power entry
- Flexible keying and alignment mechanism

BOARD SPECIFICATIONS

- 14 layers
- 1oz copper all layers
- PCB Rogers or equivalent
- PCB 0.213" (4.2mm) thick
- Independent power and ground layers for power distribution
- Signal impedance Z0: SE 50 Ohms: +/- 10%, DIFF 100 Ohms +/10%

ENVIRONMENTAL

Temperature Range

Operating: -40°C +85°C / Storage: -55°C +85°C

Relative Humidity

90%, non-condensing

Safety

PCBs manufactured with UL 94V-0

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