

3U 3-SLOT OpenVPX BACKPLANE

BKP3-CEN03-15.2.9-N

DESCRIPTION

Elma's brand of OpenVPX backplanes are designed to meet the VITA 65 specification. The 3-slot backplane features a data plane FP connection from slot 1 to 2 and a FP connection from slot 1 to slot 3.

FEATURES

- Compliant to the VITA 65 Standard.
- Uses the rugged 3U-160 Eurocard form factor
- High-speed EPT Velox connector
- Provides built in ESD ground protection in every slot

BOARD SPECIFICATIONS

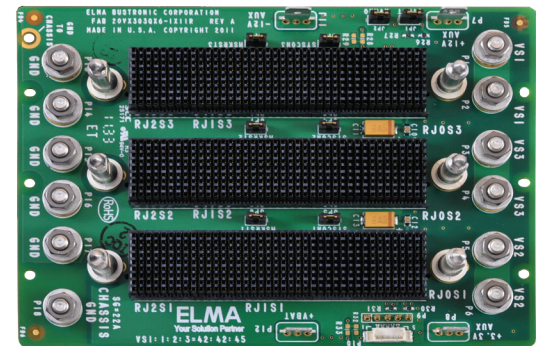
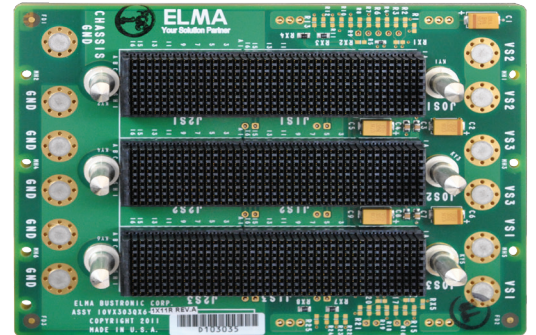
- 14 layers
- 1 oz. copper power and ground
- 212" thick PCB, FR-4 or equivalent

MECHANICAL SPECIFICATIONS

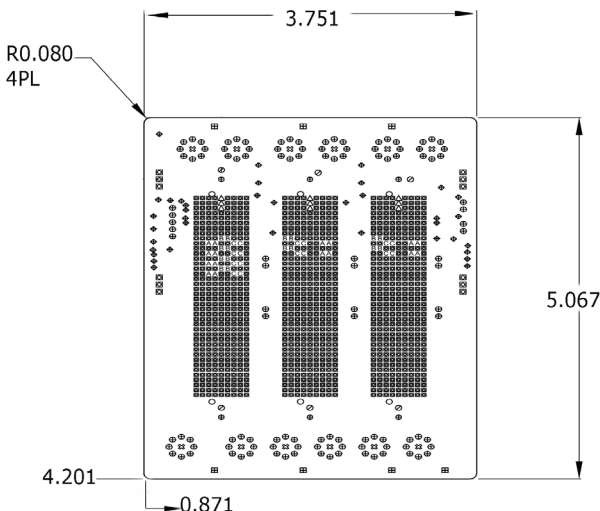
- 5.067" high X 6.692" tall

SLOT PROFILES

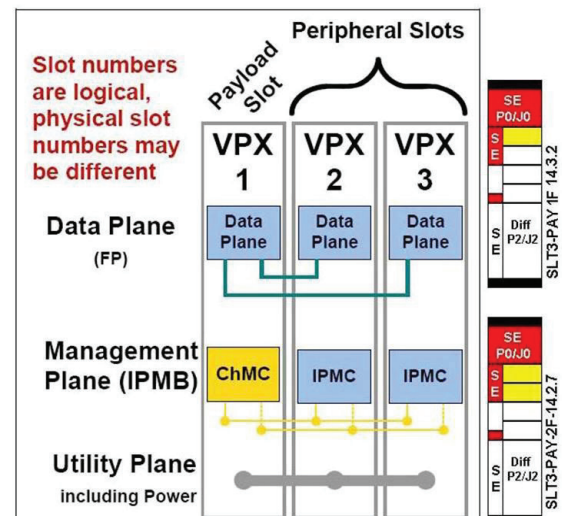
- Slot 1: ... SLT3-PAY-2F-14.2.7
- Slots 2,3: ... SLT3-PER-1F-14.3.2

**DRAWINGS**

BACKPLANE DESIGN

**TOPOLOGY**

BACKPLANE DESIGN



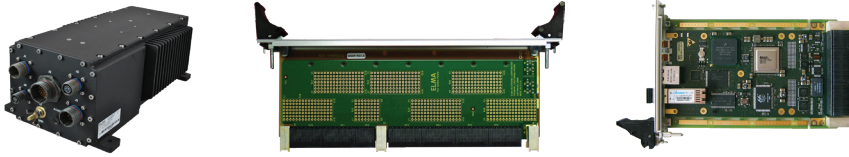
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APPLICATIONS

- › Integrated display processing, mission management and navigational control for avionics systems
- › Industrial monitoring, medical equipment, and night-vision systems requiring enhanced graphics capabilities
- › Shipboard systems for target tracking and high definition displays
- › Applications requiring a mix of I/O options, high compute density and enhanced graphics

RELATED PRODUCTS

- › Load boards convection or conduction cooled
- › Rear Transition Modules for I/O
- › Intel & Freescale Single Board Computers
- › Blade level networking boards (Ethernet, PCI Express)
- › Rackmount, desktop, and ATR chassis platforms
- › Ruggedization programs

ORDERING INFORMATION

Height	Total Slots	Description	Profile Number	Part Number
3U	3	Single Star, no expansion or control planes, Gbaud rate to 6.25	BKP3-CEN03-15.2.9-3	1OVX303QX6-1X11R
3U	3	Single Star, no expansion or control planes, Gbaud rate to 8	BKP3-CEN03-15.2.9-4	1OVX303QXL-1X11

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