

3U 6-SLOT OpenVPX BACKPLANE

BKP3-DIS06-15.2.7-N

DESCRIPTION

Designed to meet VITA 65, the 6 slot OpenVPX backplane features a data plane in a 5 slot ring topology using two fat pipes per slot on slots 1 - 5. All the control plane thin pipes on the switch slot are brought to the rear connectors. The control plane thin pipes on the payload slots are brought to the rear connectors.

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

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

MECHANICAL SPECIFICATIONS

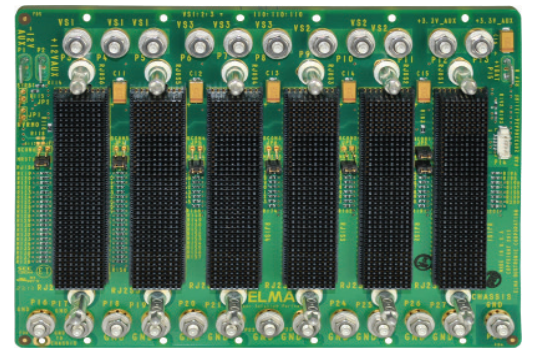
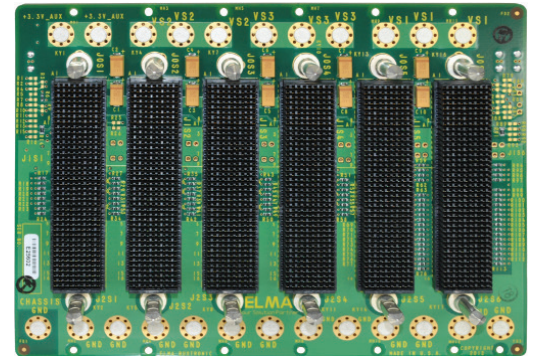
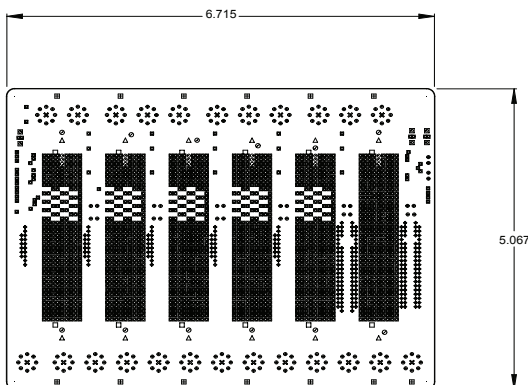
- 5.067" high X 6.715" long

SLOT PROFILES

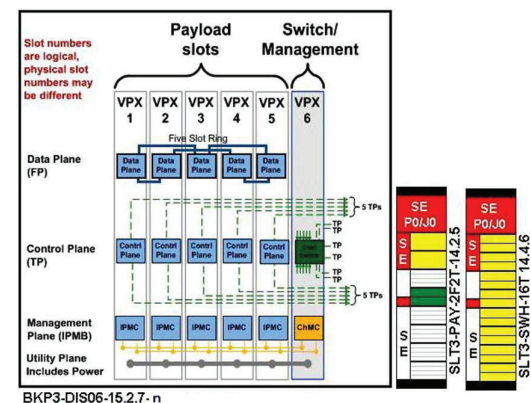
- Slot 1-5: SLT3-PAY-2F2T-14.2.5
- Slot 6: SLT3-SWH-16T-14.4.6

DRAWINGS

BACKPLANE DESIGN

**TOPOLOGY**

BACKPLANE DESIGN

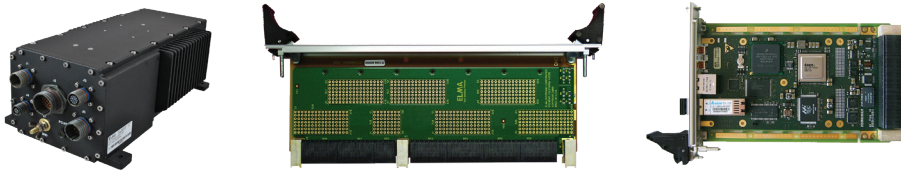


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APPLICATIONS

- › 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	6	Data plane up to and including 6.25 Gbaud (for legacy backplanes, do not use)	BKP3-DIS06-15.2.7-3	1OVX306AX6-1X11R
3U	6	Data plane 10.325 Gbaud, Expansion Plane 8 Gbaud	BKP3-DIS06-15.2.7-3	1OVX306AXK-1X11R

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