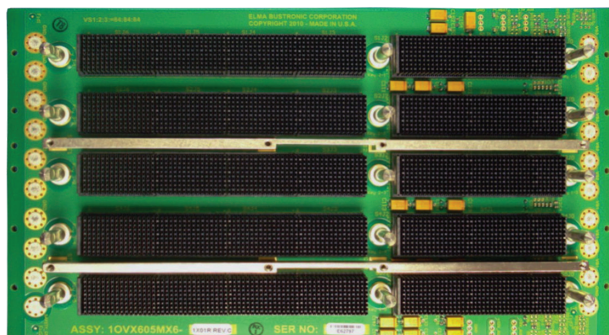


6U 5-Slot OpenVPX Backplane

BKP6-DIS05-11.2.16-n



Description

This 6U OpenVPX backplane features 5 slots, a distributed mesh data plane topology with a data rate of up to 6.25 Gbaud per channel and a switched control plane topology. Options for RTM connectors (rear transition modules) for rear I/O support.

Elma offers a variety of backplane topologies to support a wide range of system interconnect requirements. Our VPX backplanes are designed in accordance with the relevant Backplane Profile Descriptions provided within the current ANSI-VITA 46.0 and ANSI-VITA 65 standards.

Features

- Compliant to ANSI/VITA 65-2012 and ANSI/VITA 46.0-2013
- High-speed Velox connector
- Rugged Eurocard form factor in 6U height
- Provides built in ESD ground protection in every slot

Board Specifications

- 18 layer stripline design
- 2 oz. power and ground
- PCB FR-4 or equivalent
- PCB 0.212" thick

Mechanical Specifications

- 6U height
- 5 slots
- Velox connectors

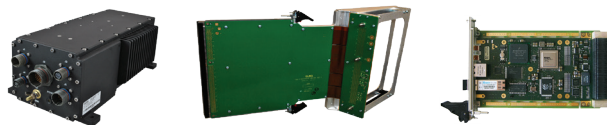
Slot Profiles

- Slot 1 - 4: SLT6-PAY-4F-10.3.1
- Slot 5: SLT6-PAY-4F2T-10.2.2

Related Products and Applications

Highly integrated applications such as:

- 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



- 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

VPX

6U 5-Slot OpenVPX Backplane

BKP6-DIS05-11.2.16-n

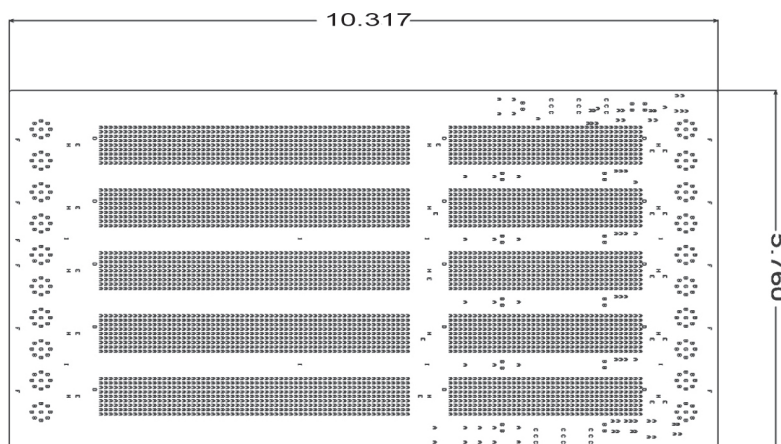


VPX

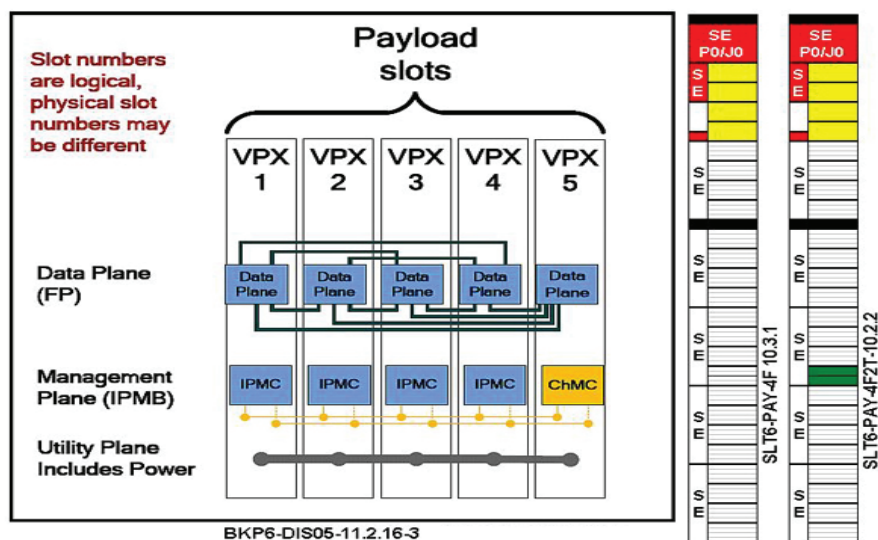


Backplanes

Line Drawing



Backplane Topology



Order Information

Height	Total Slots	Description	Profile Number	Part Number
6U	5	VPX mesh, 4 lane Fat Pipe, up to 6.25 Gbps per channel	BKP6-DIS05-11.2.16-3	1OVX605MX6-1X01R

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BKP6-DIS05-11.2.16-n-6U-5Slot- Rev3 121616