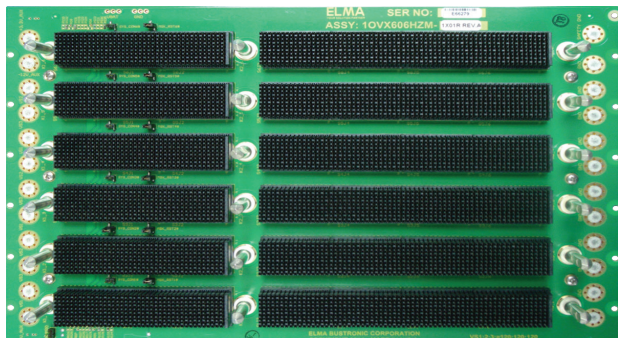


# 6U 6-Slot OpenVPX Backplane

## BKP6-CEN06-11.2.AN-n



### Description

This 6U OpenVPX backplane features 6 slots, a centralized dual star data plane topology with a baud rate of up to 10Gbps and a dual fat pipe expansion plane with a baud rate up to 8 Gbps. Optional 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
- Slot pitch 1.0"
- Single star routing topology
- High-speed MULTIGIG RT-2 connector
- Rugged Eurocard form factor in 6U height
- Provides built in ESD ground protection in every slot

### Board Specifications

- 22 layer stripline design
- 1 oz. power and ground layers
- PCB Megtron 6
- PCB 0.212" thick

### Mechanical Specifications

- 6U height
- 6 slots
- 10.317" tall X 6.75" wide

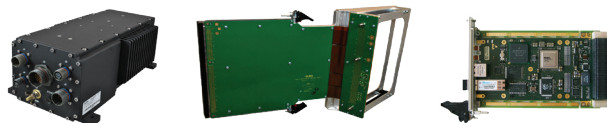
### Slot Profiles

- Slot 1 - 5: SLT6-PAY-4F1Q2U2T-10.2.1
- Slot 6: SLT6-SWH-16U20F-10.4.2

## 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**

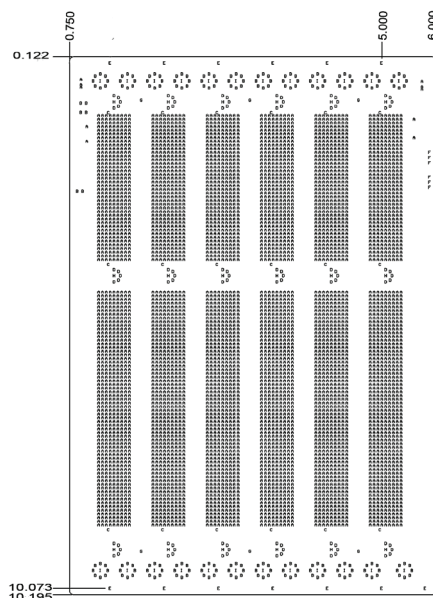


VPX

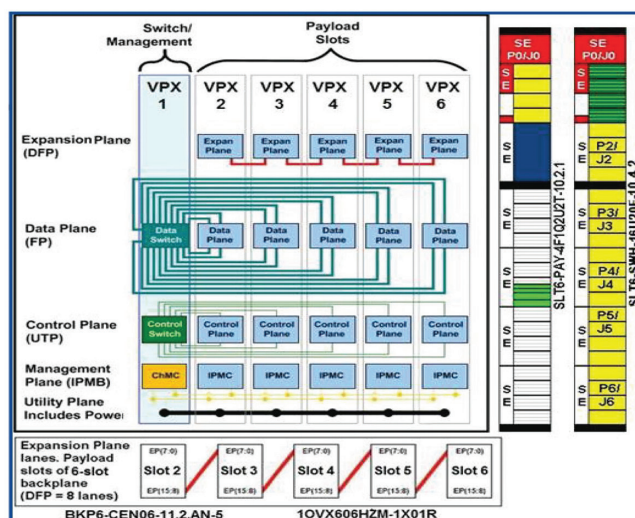


## Backplanes

## Line Drawing



## Backplane Topology



## Order Information

Height	Total Slots	Description	Profile Number	Part Number
6U	6	VPX single star data plane channel Gbaud rate up to 10. Dual fat pipe expansion plane channel Gbaud rate up to 8.	BKP6-CEN06-11.2.AN-5	1OVX606HZM-1X01

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