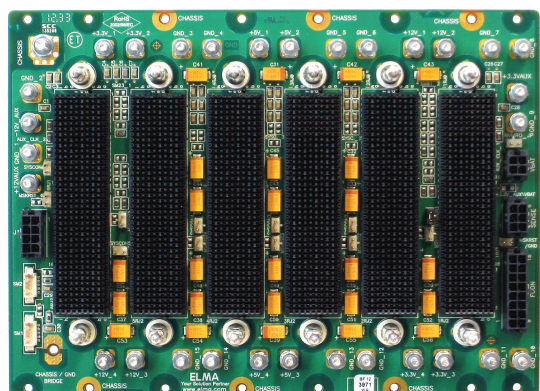
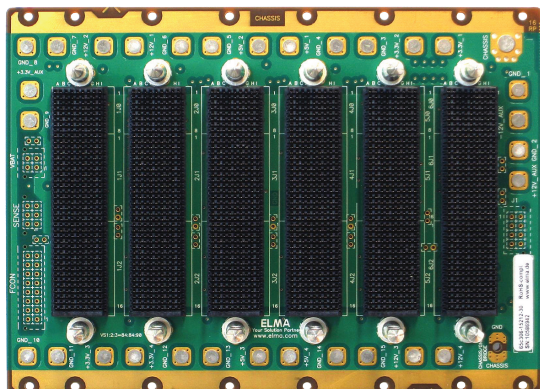


# 3U 6-Slot OpenVPX Backplane

## BKP3-CEN06-15.2.12-n



## Description

Elma's design solution offers 3.125 to 6.250Gbauds/performance in one PCB. This design provides maximum performance while saving you money. The central switch version of our 3U, 6-slot OpenVPX backplane features a Fat Pipe expansion plane, a Fat Pipe Star topology data plane, and an ultra thin pipe for the control plane. Designed with Nelco 4000-13 EP SI material for outstanding thermal and high signal speed / low signal loss properties.

## Features

- Compliant to ANSI/VITA 65-2010
- Compliant to the latest VITA 46 Specifications
- High-speed EPT Velox connector
- Uses the rugged 3U-160 Eurocard form factor
- Channels A and B are arranged as 2 Fat Pipes (x4) channels configured as a twisted ring extending from slots 1 to 5
- Provides built in ESD ground protection in every slot
- Versions with or without GigE Control Plane
- Version with slot 6 not connected to other slots for use with RTM

## Board Specifications

- 16-layer stripline design
- 2 oz. power and ground
- 0.212" thick PCB
- Nelco 4000-13 EP SI

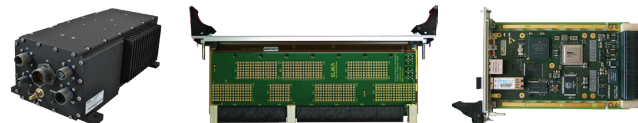
## Mechanical Specifications

- 3U height
- 6 slots
- EPT Velox connectors

## 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**

# 3U 6-Slot OpenVPX Backplane

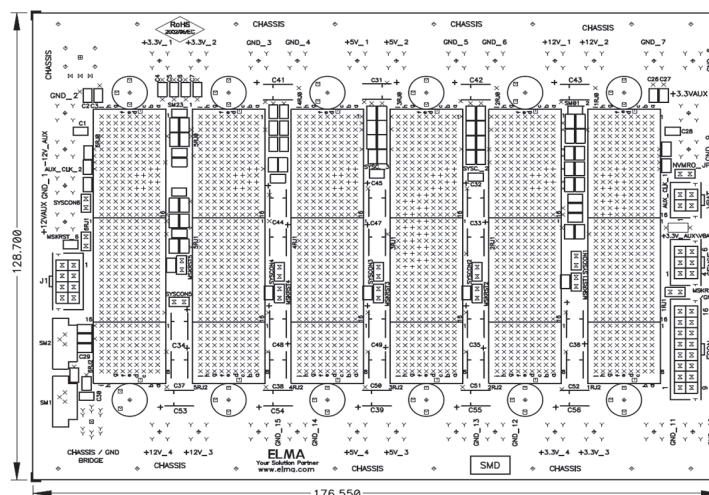
## BKP3-CEN06-15.2.12-n



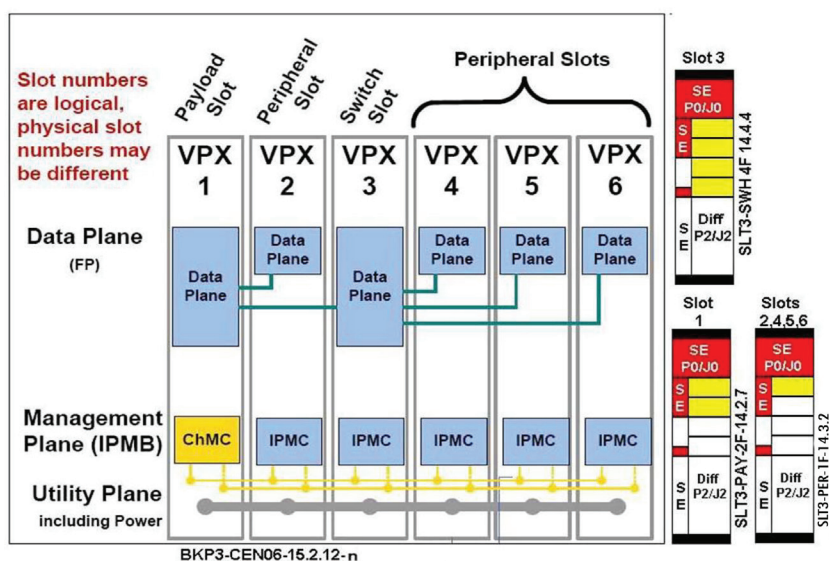
VPX

Backplanes

### Line Drawing



### Backplane Topology



### Order Information

Height	Total Slots	Description	Profile Number	Part Number
3U	6	VPX central switch, payload in Slot 1 connected to slot 2, channel Gbaud rate up to 6.25	BKP3-CEN06-15.2.12-3	1OVX306JX3-1X11R
3U	6	VPX central switch, payload in Slot 1 connected to slot 2, channel Gbaud rate up to 6.25, no RTM connectors	BKP3-CEN06-15.2.12-3	1OVX306JX3-1X10R

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