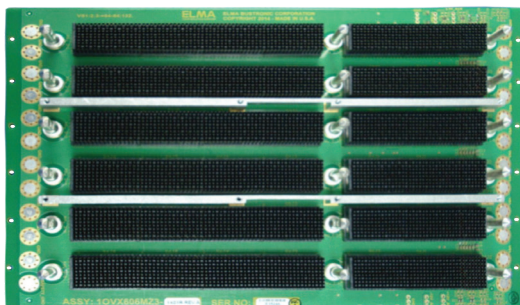


# 6U 6-Slot OpenVPX Backplane

## BKP6-DIS06-11.2.18-n



### Description

This 6U OpenVPX backplane features 6 slots, a distributed 5 slot Fat Pipe mesh, a Quad Fat Pipe expansion plane connection between slots 1 and 2 and 5 and 6. The control plane signals are available on the RTM connectors. The data plane on slot 6 is available on the RTM connectors. The backplane data rate is up to 6.25 Gbaud per channel.

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
- 1 oz. power and ground
- PCB FR-4 or equivalent
- PCB 0.212" thick

### Mechanical Specifications

- 6U height
- 6 slots
- Velox connectors

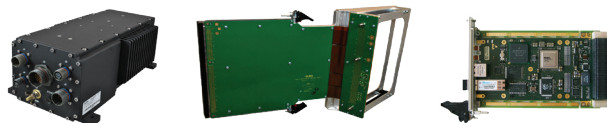
### Slot Profiles

- Slot 1 - 6: SLT6-PAY-4F2Q2U2T-10.2.7

## 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**

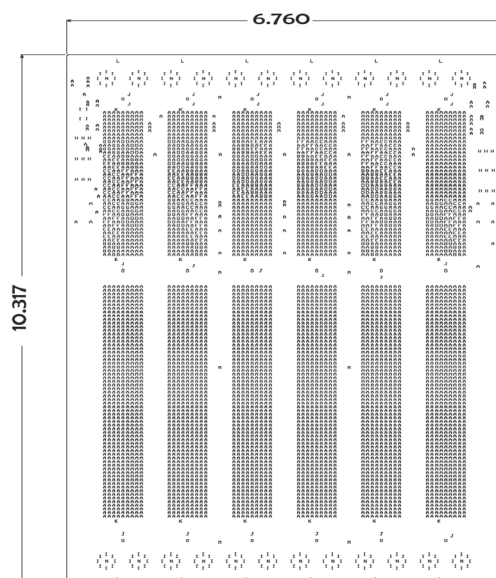


VPX

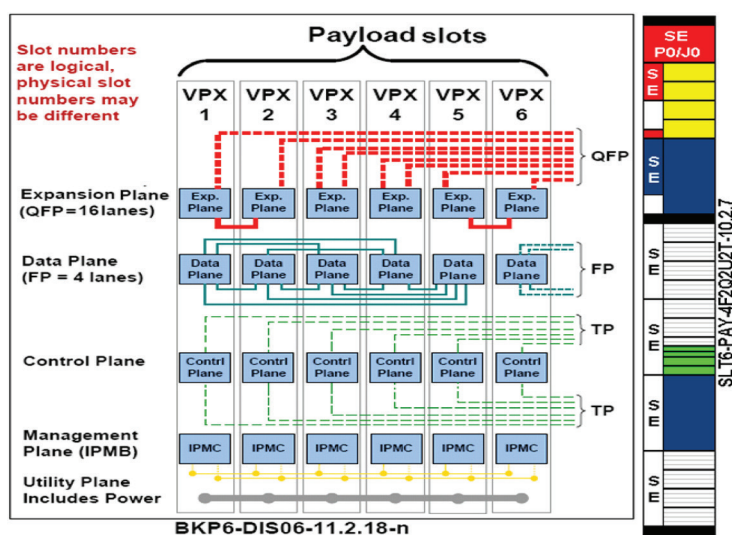


## Backplanes

## Line Drawing



## Backplane Topology



## Order Information

Height	Total Slots	Description	Profile Number	Part Number
6U	6	VPX mesh, 4 lane Fat Pipe, QFP expansion plane, up to 6.25 Gbps per channel	BKP6-DIS06-11.2.18-3	1OVX606MZ3-1X01R

**Please contact our sales for more details.**

China: +86 21 5866 5908      Germany: +49 7231 97 34 0      Singapore: +65 6479 8552      United Kingdom: +44 1234 838 822  
France: +33 437 06 21 10      Israel: +972 3 930 50 25      Switzerland: +41 44 933 41 11      United States: +1 510 656 3400

For other countries, please visit our website.