

### Description

This 3U 3-slot VPX backplane features one controller slot and one carrier slot that supports a high speed, four-card array. A host card slot with one Fat Pipe connection rounds out support for a complete high capacity system.

### Features

- Compliant to VITA 65 and VITA 46
- Uses the rugged 3U Eurocard form factor standard with the High Speed MultiGig™ connector (VITA 60 and VITA 63 connectors upon request)
- Compatible with Elma’s Model 5330/1 and 5332/3 storage controller and carrier cards
- One PCIe x 4 Fat Pipes host to storage controller connectivity
- Dual SATA3 x 1 Ultra Thin Pipes at 6 Gbps from the storage controller (slot 2) to the storage media in slot 3 for access
- Provides built in ESD ground protection in every slot
- Accepts MultiGig™ compatible cables with available accessories

### Board Specifications

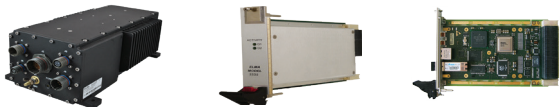
- 14 layers
- 1 oz copper power and signal layers
- 0.212” (5.5mm) thick FR-4 PCB or equivalent

### OpenVPX compatibility

- Signal routing: See backplane topology drawing on page 2
- Slot 1 compatible with slot profiles
  - SLT3-PER-1U-14.3.3, SLT3-PAY-1F-14.3.2, SLT3-PAY-2F-14.3.1, SLT3-PAY-2F2U-14.2.3, SLT-PAY-2F2T-14.2.5.
- Slot 2 compatible with slot profile SLT3-STO-1F2U.
- Slots 3-5 compatible with slot profile SLT3-STO-2U.

### Applications and Related Products

- High speed image data recording for surveillance applications
- Rugged data acquisition and storage for mission management or navigational control
- Target tracking and high definition data capture in ground, air and shipboard systems
- Any application requiring high speed, high capacity data record, capture and secure storage



- Load boards convection or conduction cooled
- Storage carrier and controller cards
- 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 3-Slot OpenVPX Storage Backplane

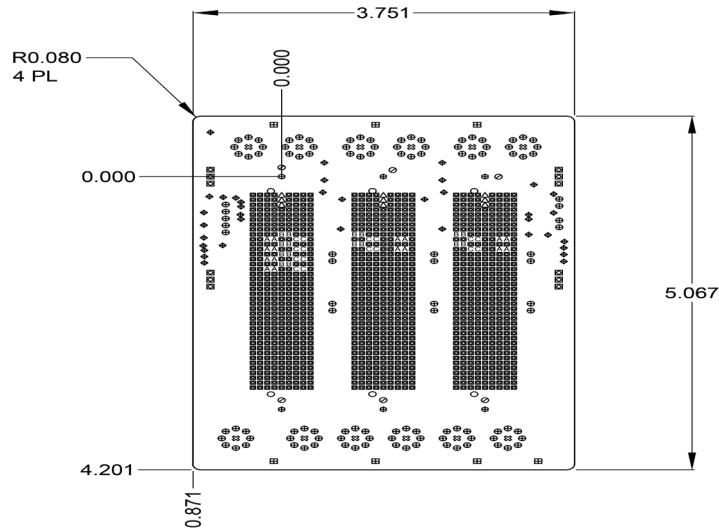
## BKP3-DIS03-15.2.XX-n



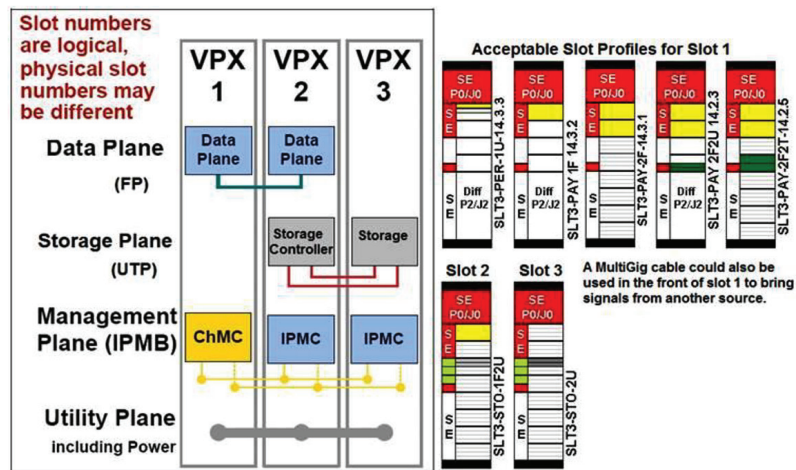
VPX

Backplanes

### Line Drawing



### Backplane Topology



### Order Information

Height	Total Slots	Description	Profile Number	Part Number
3U	3	Single star, 2x SATA slots on expansion plane, no control plane	BKP3-DIS03-15.2.XX-n	1OVX303QZ3-1X11R

\* Final profile is being finalized by the VITA 65 Working Group. Signals are routed per VITA 65 Backplane Profile BKP3-CEN03-11-2.XX

Note: Ships standard with RTM connectors and mounting features to support MultiGig cable assemblies.

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