

# 3U OpenVPX 7-SLOT BACKPLANE

## BKP3-CEN07-15.2.3-N

### DESCRIPTION

OpenVPX defines a reliable and transparent way to ensure the interoperability between the VPX Modules from different vendors as well as the compatibility between backplane and slot configurations with similar VPX modules. The OpenVPX (VITA 65) specification defines the various potential backplane configurations via profiles topologies. These backplane profiles provide information about the data rate, routing topology and the fabric topology.

### Features

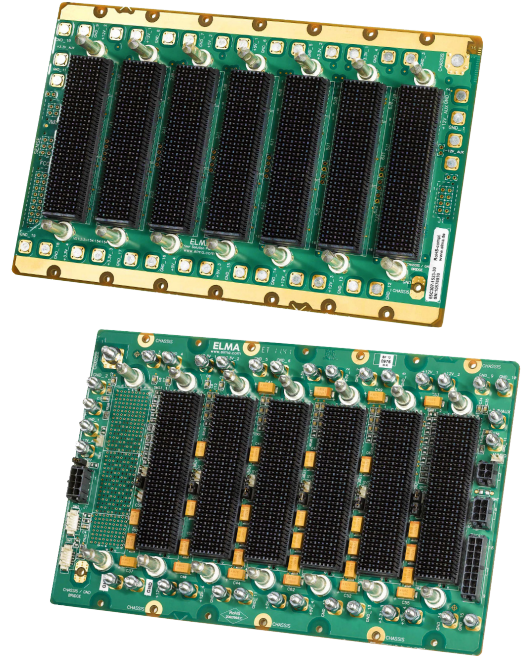
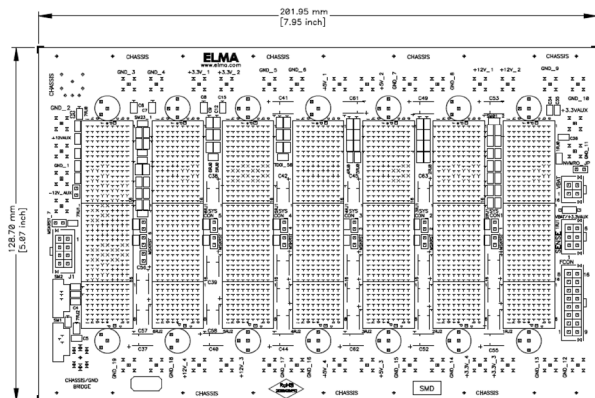
- BKP3-CEN07-15.2.3-n backplane profile compliant with the VITA 65 specification
- 1 x Fat Pipe Data Plane (Fat Pipe = 4 x Lanes)
- 1 x Ultra Thin Pipe Control Plane (Ultra Thin Pipe = 1 x Lane)
- No expansion plane
- SLT3-SWH-6F6U-14.4.1 Switch Slot (Slot 7) compliant with the VITA 65 specification

### Board Specifications

- Slot Pitch: 1.0"
- Dimensions: 7.95" wide x 5.07" high x 0.212" thick (+/- 10%)
- 3U height
- 7 slots

### DRAWINGS

#### BACKPLANE DESIGN



### Mechanical Specifications

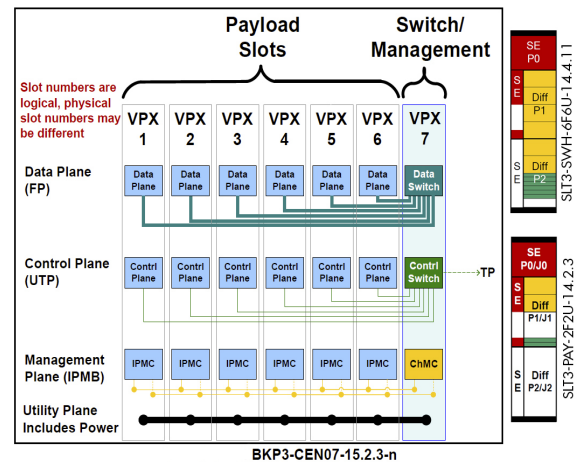
- 5.067" high X 9.23" wide

### Slot Profiles

- Slot 1 to 6 (6 x VPX Payload Slots): . . . . . SLT3-PAY-2F2U-14.2.3
- Slot 7 (Switch Slot): . . . . . SLT3-SWH-6F6U-14.4.1

### TOPOLOGY

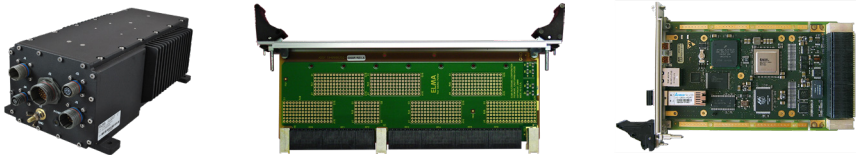
#### BACKPLANE DESIGN



APPLICATIONS

- › 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

RELATED PRODUCTS



- › 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

ORDER INFORMATION

| Height | Total Slots | Description                                         | Profile Number      | Part Number      |
|--------|-------------|-----------------------------------------------------|---------------------|------------------|
| 3U     | 7           | Single star, no expansion plane, Gbaud rate to 6.25 | BKP3-CEN07-15.2.3-3 | 1OVX307CX3-1X11R |
| 3U     | 7           | Single star, no expansion plane, Gbaud rate to10    | BKP3-CEN07-15.2.3-4 | 1OVX307CXK-1X11  |

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