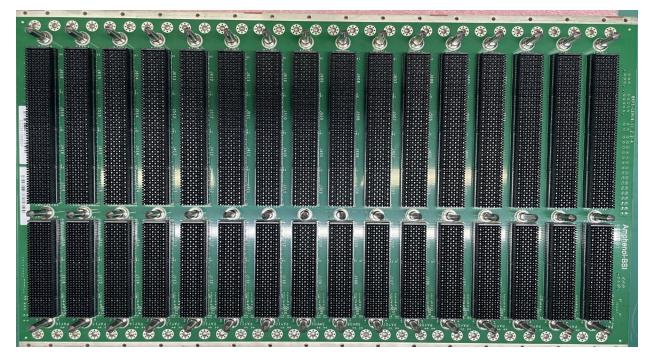


Amphenol Backplane Assembly & System Integration

Amphenol-BSI have been designing, assembling, and testing backplanes for more than 30 years. Our experience of backplane design, manufacturing, development, and electrical test technologies allows us to deliver the highest performance backplane at a product cost you can bring to the market. As part of the Amphenol Corporation, we continue to invest in our technologies to ensure we remain positioned as the most extensively tooled Backplane Supplier in the industry.



Power Delivery

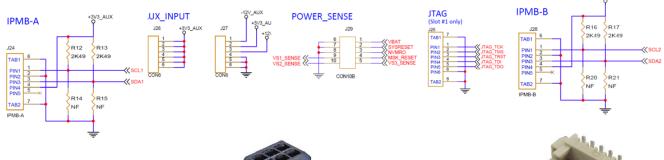
- 32x Ground locations
- 2x Safety Ground locations
- 9x 5V locations
- 18x 12V locations



PEM Broaching StandoffThread size x PitchM3 x 0.5Height from PCB surface4mm ±0.13MaterialCarbon SteelCurrent rating25A

Viewed from the front side.

Utility Interfaces



Molex Micro-Fit 3.0 vertical header Maximum per contact = 8.5A



Amphenol 1.25mm wire-to-board



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AMPNENOI-BSI Backplane Assembly & System Integration

Slot numbers are logical, physical slot numbers may be different	Payload Slots					Switch Slots				Payload Slots 人				_		
	VPX 1	VPX 2	VPX 3	VPX 4	VPX 5	VPX 6	VPX 7	VPX 8	VPX 9	VPX 10	VPX 11	VPX 12	VPX 13	VPX 14	VPX 15	VPX 16
Expansion Plane (DFP)	Expan Plane			Expan Plane	Expan Plane	Expan Plane	Expan Plane	Expan Plane	Expan Plane	Expan Plane						
Data Plane (FP)	Data Plane	Data Switch	Data Switch	Data Plane	Data Plane	Data Plane	Data Plane	Data Plane	Data Plane	Data Plane						
Control Plane (UTP)	Contri Plane	Contra		Contri Plane	Contri Plane	Contri Plane	Contri Plane	Contri Plane	Contri Plane	Contri Plane						
Management Plane (IPMB) Utility Plane Includes Power	IPMC	IPMC	IPMC	IPMC	IPMC	IPMC	IPMC		IPMC							

Figure 11.2.2-1 Topology of BKP6-CEN16-11.2.2-n

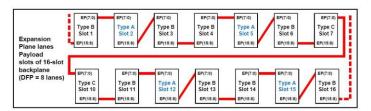


Figure 11.2.2-2 Expansion Plane Lanes of BKP6-CEN16-11.2.2-n

General Information

- ANSI/VITA 46.0-2019 VPX Baseline Standard
- ANSI/VITA 65.0-2019 OpenVPX System Standard
- ANSI/VITA 68.1-2019 VPX Compliance Channel
- 2x Switch Slot SLT6-SWH-20U19F-10.4.1
- 14x Payload Slots SLT6-PAY-4F1Q2U2T-10.2.1

- Data Plane signals are not available on RTMs due to high data rates.
- Control Plane signals are not available on RTMs due to high data rates.
- Management Plane signals are available on RTMs.

OpenVP

- Utility Plane signals are available on RTMs.
- JTAG (J25) access is to VPX 1st slot only.

Configurable Interfaces

NVMRO

The supplied shunt can be assembled in an open or grounded position.



- System Controller The supplied shunt can be assembled to assign any slot as the system controller.
- Optional RTM assembly
- Dimension: 426.72mm X 262.05mm X 5.40mm
- Multiple utility connectors for signal access
- Multiple power locations for distributed delivery
- Optimised for high-speed signal performance.
- Edge plating to minimise EMI emissions.

Ordering Information

Backplane Profile	Mec	hanical	Chann	Ordering Part		
Name	Pitch	RTM	Expansion	Control	Data	Number
			Plane	Plane	Plane	
BKP6-CEN16-11.2.2-4	1.0"	yes	8.0000	1.25	10.3125	KC10060037

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