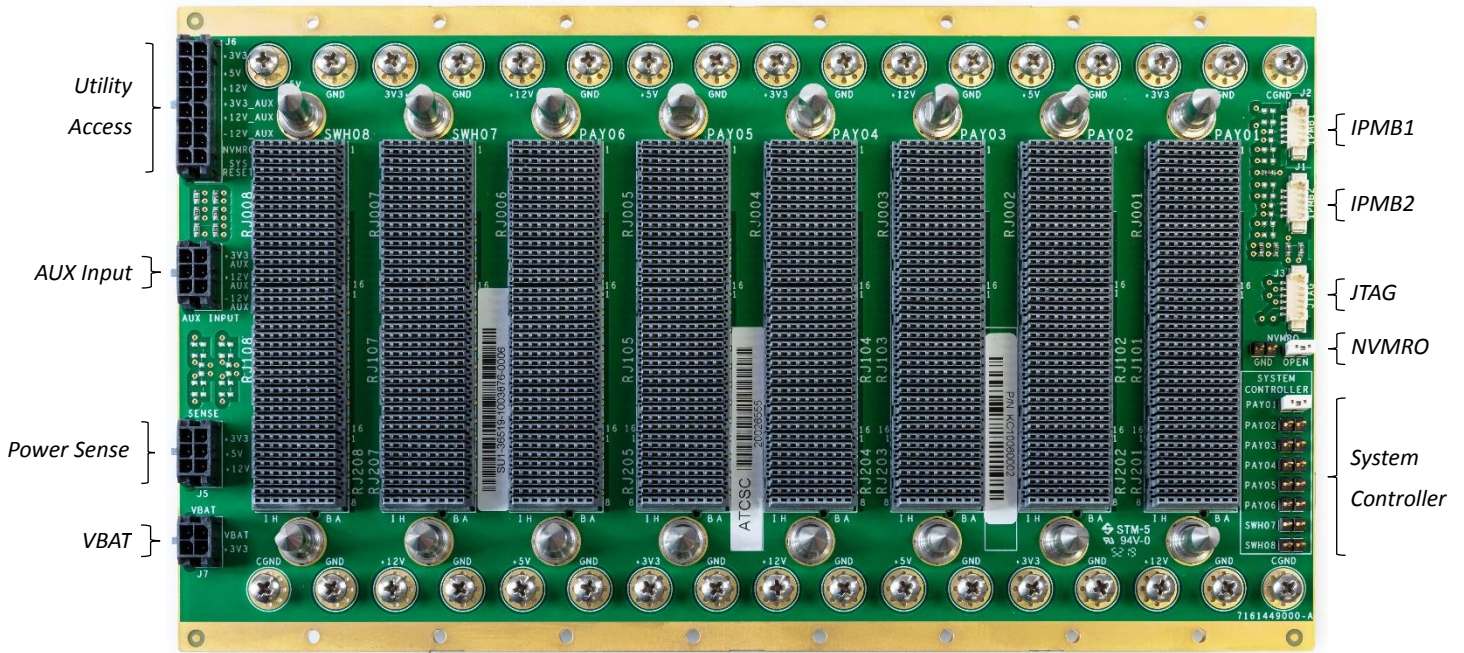


## Amphenol Backplane Assembly & System Integration

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.



Viewed from the rear side

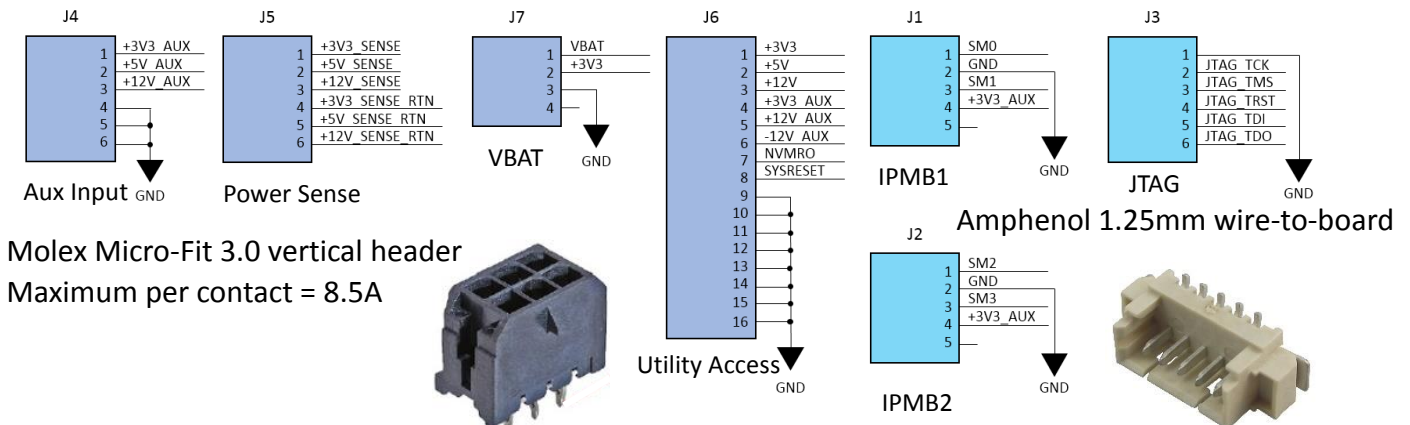
### Power Delivery

- 16x Ground locations
- 3x Safety Ground locations
- 5x 3.3V locations
- 5x 5V locations
- 5x 12V locations



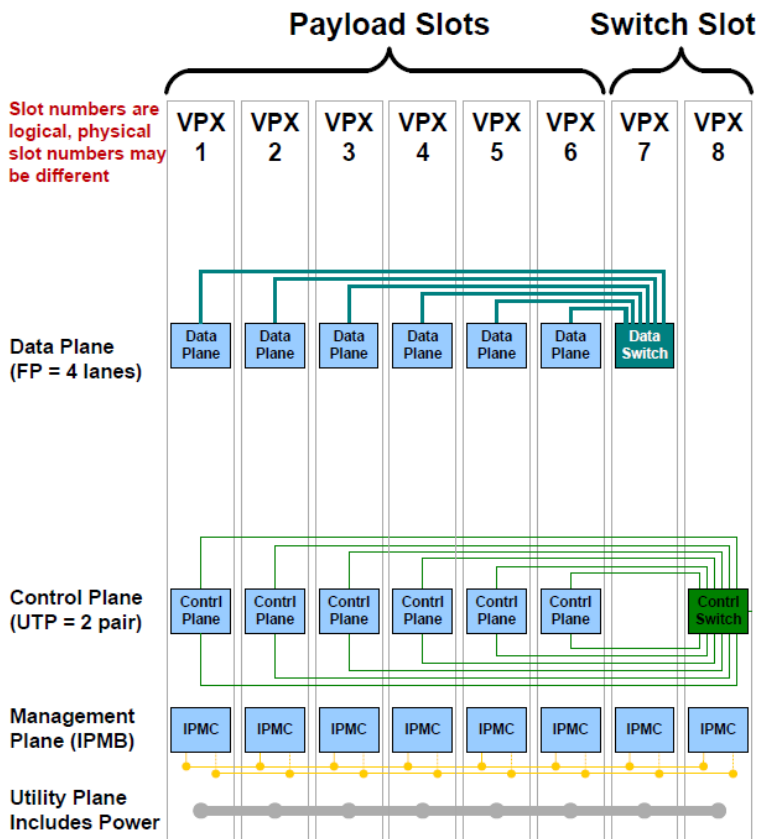
PEM Broaching Standoff	
Thread size x Pitch	M3 x 0.5
Height from PCB surface	4mm ±0.13
Material	Carbon Steel
Current rating	25A

### Utility Interfaces



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





- 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.
- Utility Plane signals are available on RTMs
- JTAG (J3) access is to VPX1 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.



## 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
- 1x Data Plane Switch SLT3-SWH-6F6U-14.4.1
- 1x Control Plane Switch SLT3-SWH-2F24U-14.4.3
- 6x Payload Slots SLT3-PAY-2F2U-14.2.3
- Optional RTM assembly
- Dimension: 228.00mm x 128.70mm 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 Name	Mechanical		Channel Data Rate (Gb/s)	Expansion		Ordering Part Number
	Pitch	RTM		Control Plane	Data Plane	
BKP3-CEN03-15.2.9-4	1.0"	yes	n/a	10.3125	8.0000	KC10060002
BKP3-CEN03-15.2.9-4	1.0"	no	n/a	10.3125	8.0000	KC10060012

## Contact

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