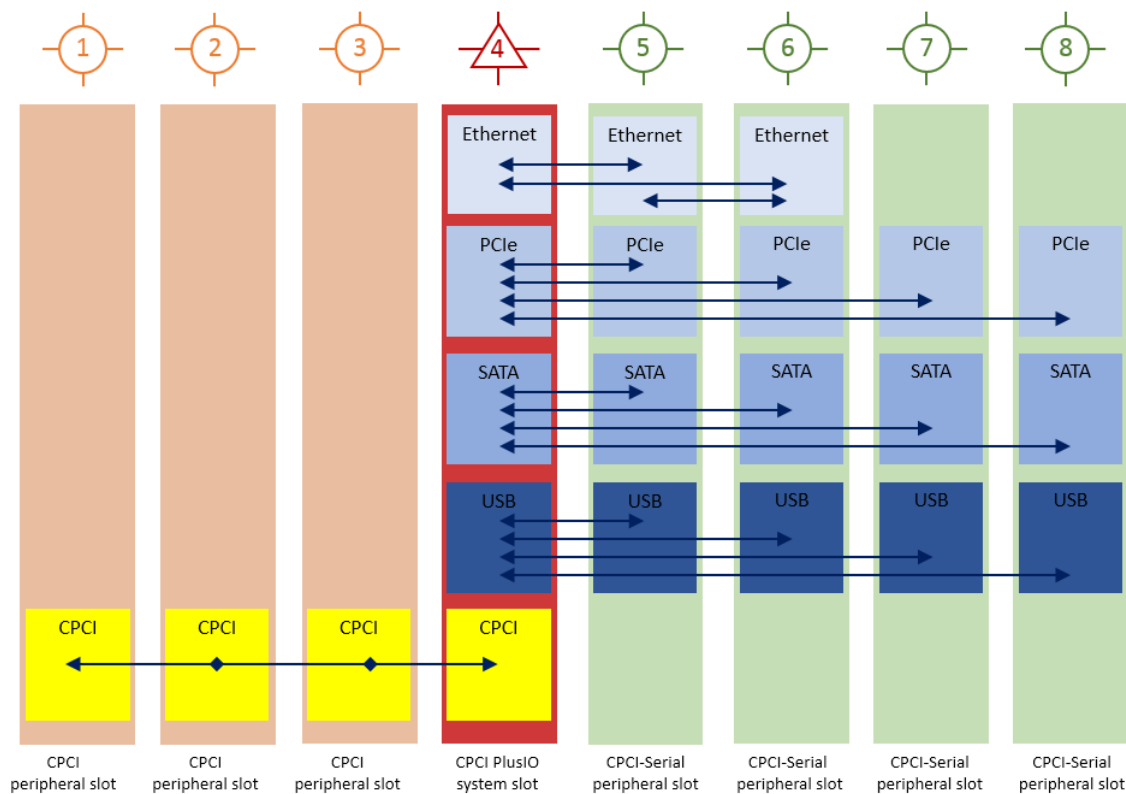


Amphenol Backplane Assembly & System Integration

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.

Backplane Topology



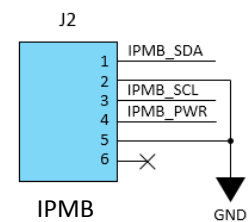
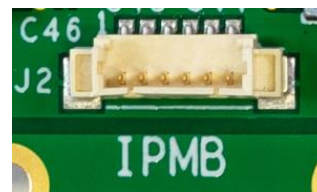
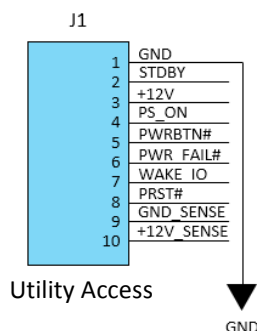
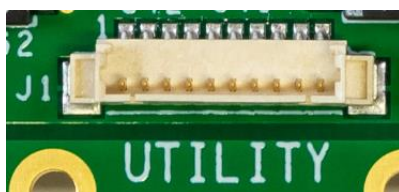
Power Delivery

- 5x Ground locations
- 1x Standby location
- 3x 12V locations
- 1x 5V locations
- 1x 3.3V 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

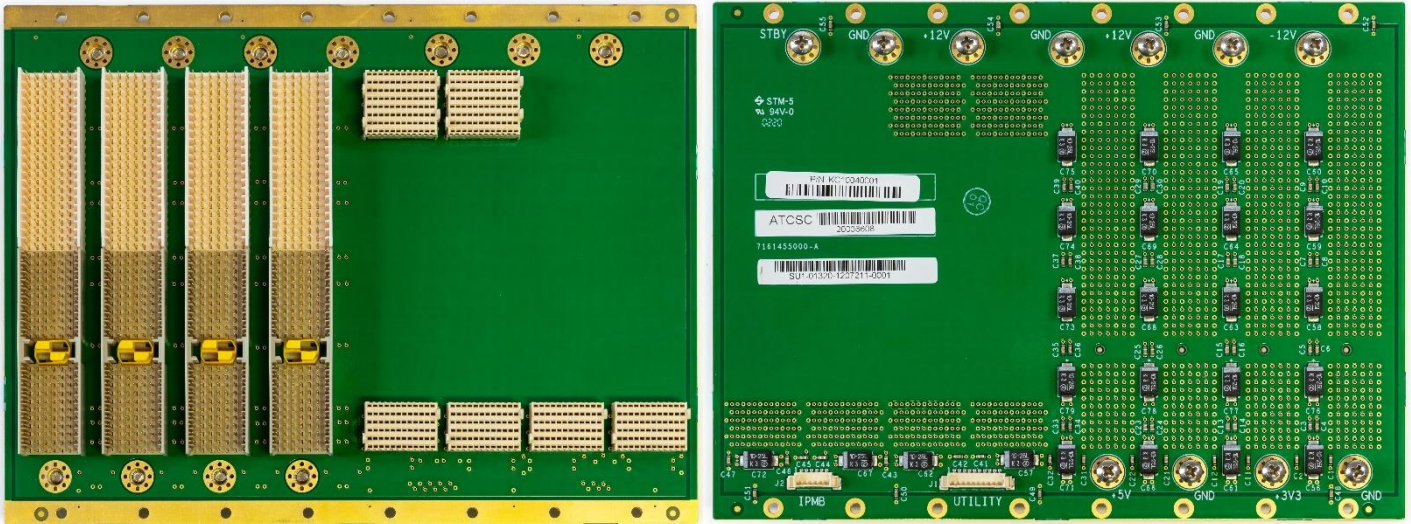
Utility Interfaces



Amphenol 1.25mm wire-to-board

Amphenol-BSI 3U 8-slot Hybrid CompactPCI PlusIO Backplane

Amphenol-BSI's range of PICMG compliant backplanes includes CompactPCI PlusIO which joins traditional CompactPCI with CompactPCI Serial, which adds Ethernet, PCIe, SATA and USB serial interfaces to the traditional CompactPCI bus structure.



General Information

- CompactPCI Specification PICMG 2.0 R3.0
- CompactPCI PlusIO Specification PICMG 2.30 R1.0
- CompactPCI Serial Specification PICMG CPCI-S.0 R2.0
- 1x CompactPCI PlusIO system slot
- 3x CompactPCI peripheral slots
- 4x CompactPCI-Serial peripheral slots
- Optional RTM assembly
- Dimension: 171.74mm x 128.50mm x 4.40mm
- Utility connector for signal access
- Multiple power locations for distributed delivery
- Optimised for high-speed signal performance
- Edge plating to minimise EMI emissions

Ordering Information

Fully Customised Solutions Available

Backplane Profile	Mechanical		Electrical				
	Name	Pitch	RTM	Ethernet	PCIe	USB	SATA
KC10040001		0.8"	no	yes	yes	yes	yes
KC10040004		0.8"	yes	yes	yes	yes	yes

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