

3U 9-slot Right System Slot Backplane *CompactPCI® Serial*

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

Table 32 9 Slot Backplane Wiring (System Slot right)

	1	2	3	4	5	6	7	8	9	Physical Slot Number:
	0000	0001	0010	0011	0100	0101	0110	0111	n.a.	GA[3:0]
	Peri_8	Peri_7	Peri_6	Peri_5	Peri_4	Peri_3	Peri_2	Peri_1	SYS	Interface
Full Mesh Only	Link_2-1	Link_2-1	Link_3-1	Link_4-1	Link_5-1	Link_6-1	Link_7-1	Link_8-1	Link_9-1	Eth_8
	Link_3-1	Link_3-2	Link_3-2	Link_4-2	Link_5-2	Link_6-2	Link_7-2	Link_8-2	Link_9-2	Eth_7
	Link_4-1	Link_4-2	Link_4-3	Link_4-3	Link_5-3	Link_6-3	Link_7-3	Link_8-3	Link_9-3	Eth_6
	Link_5-1	Link_5-2	Link_5-3	Link_5-4	Link_5-4	Link_6-4	Link_7-4	Link_8-4	Link_9-4	Eth_5
	Link_6-1	Link_6-2	Link_6-3	Link_6-4	Link_6-5	Link_6-5	Link_7-5	Link_8-5	Link_9-5	Eth_4
	Link_7-1	Link_7-2	Link_7-3	Link_7-4	Link_7-5	Link_7-6	Link_7-6	Link_8-6	Link_9-6	Eth_3
	Link_8-1	Link_8-2	Link_8-3	Link_8-4	Link_8-5	Link_8-6	Link_8-7	Link_8-7	Link_9-7	Eth_2
	Link_9-1	Link_9-2	Link_9-3	Link_9-4	Link_9-5	Link_9-6	Link_9-7	Link_9-8	Link_9-8	Eth_1

Example: Ethernet full mesh Topology

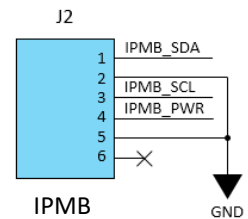
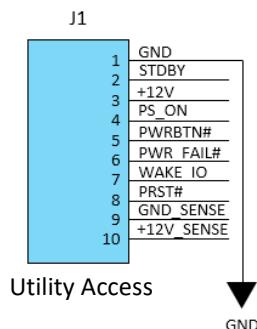
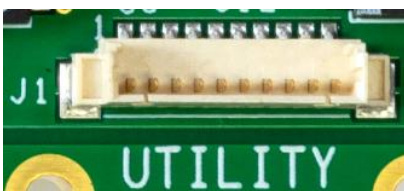
Power Delivery

- 5x Ground locations
- 1x Standby location
- 4x 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



Amphenol 1.25mm wire-to-board

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Amphenol-BSI 3U 9slot right system slot Compact-PCI Serial Backplane

Amphenol-BSI's range of PICMG compliant backplanes includes CompactPCI Serial which modernizes CompactPCI to include high-speed serial Ethernet, PCIe, SATA and USB interconnects. These high-speed serial interconnects are capable of data rates up to 12Gb/s.



General Information

- Compact PCI Serial Specification PICMG CPCI-S.0 R2.0.
- 1x Compact PCI Serial Right system slot.
- 8x Compact PCI Serial peripheral slots.
- Amphenol AirMax VS connector system.
- High-speed serial interfaces up to 12.5Gb/s.
- Optional RTM assembly.
- Dimension: 181.88mm x 128.50mm x 4.50mm.
- Utility connector for signal access.
- IPMB connector for System Management.
- Multiple power delivery options for -Distributed Power.

Ordering Information

Fully Customised Solutions Available

Backplane Profile	Mechanical			Electrical			
	Name	Pitch	RTM	System Slot	Ethernet	PCIe	USB
KC10040022	0.8"	no	Right	yes	yes	yes	yes

Contact

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