

3U CompactPCI Serial Monolithic BACKPLANE 1+6 Slot System Slot Right	PICMG CPCI-S.0 R2.0 (2015)	

Key Features:

- Compliant to PICMG CPCI-5.0 R2.0 baseline specification
- 6 Slots CompactPCI Serial **with Rear IO**
- Single-Star topology for:

PCI Express, SATA, USB and Ethernet

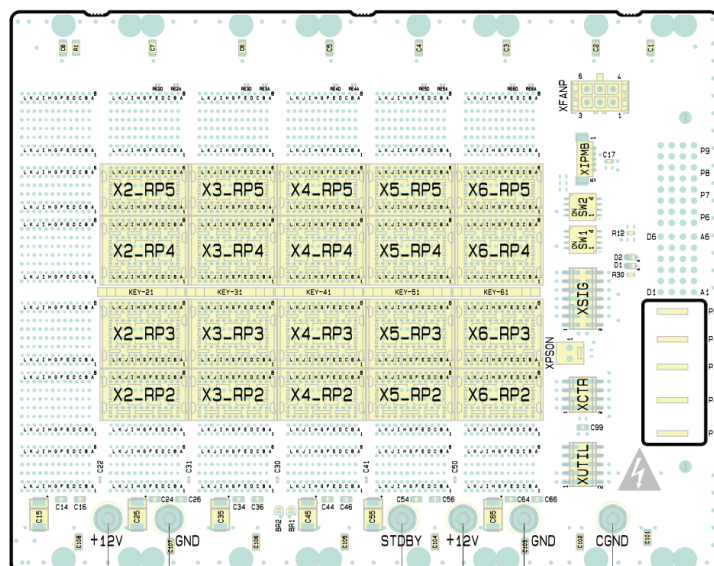
- 1 x CPCI S.0 System Slot right (CPU)
- 5 x CPCI S.0 Peripheral Slot
- **1 power supply slot 8 HP left**
- M3 studs for alternative power entry
- Max. Input current per backplane
12V = 40A, 5V Standby = 6A
- PCB size 128.50mm x 161.86mm x 4.0 mm
- 4 HP from slot to slot (20.32 mm)
- High speed connections for
USB, SATA, PCIe (Gen. 3), Ethernet
- Guiding element in system slot

Front side



- System Management Bus on the backplane (IPMB)
- with geographical addressing
- ENABLE and XPSON signals can be accessed
- System Reset Signal
- Wake Signal
- Operating temperature: -40° - +85°C
- Storage temperature: -55°C - +85°C
- Flammability rating: UL94-V0
- Custom assembly or modification on request

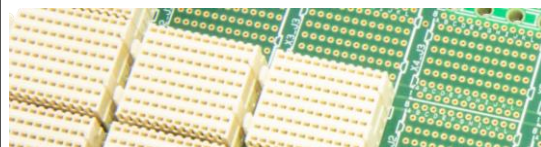
Back side



- **Order number: B214R06140**

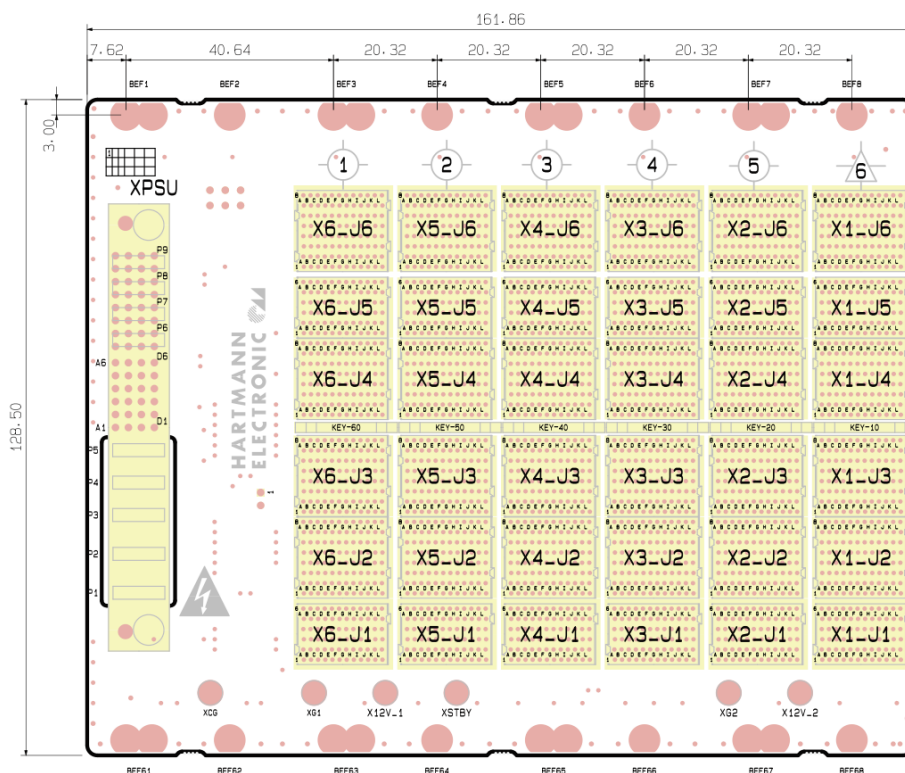
3U CompactPCI Serial Monolithic BACKPLANE

**PICMG CPCI-S.0
R2.0 (2015)**



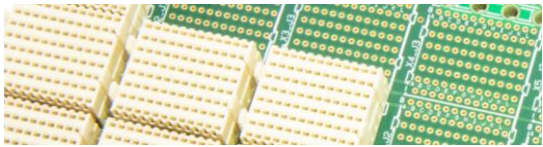
1) Drawings

Front side

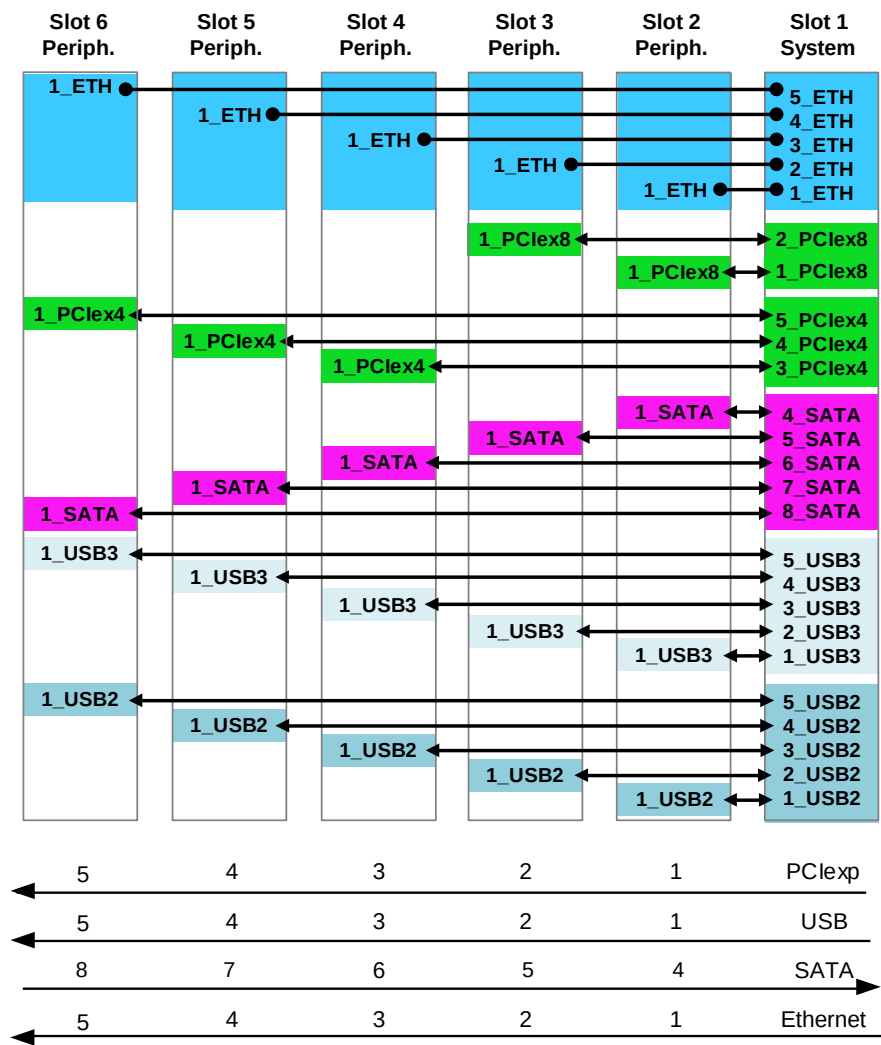


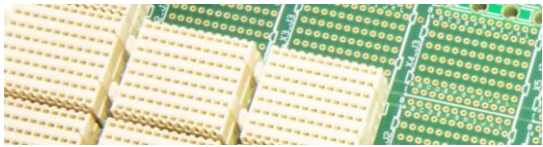
Back side



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2) Backplane Topology



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3) Pin Assignment IPMB and UTILITY Connector



X_IPMB Pin Assignment

Pin	Signal
1	IPMB_SCL
2	GND
3	IPMB_SDA
4	IPMB_PWR
5	nc

Mating with: Molex 51021-0500



X_UTIL Pin Assignment

Pin	Signal	Pin	Signal
1	GND	2	STDBY
3	+12V	4	PS_ON
5	PWRBTN#	6	PWR_FAIL#
7	WAKE_IO	8	PRST#
9	GND_SENSE	10	+12V SENSE

4) Power via Serial-PSU or M3 screws

By the power connector (FCI 51940-473LF) 8HP compactPCI Serial power supplies such as the Hartmann AC-PSU (part number D575.0520) can be plugged directly on the backplane.

The 12V main operating voltages, 5V Standby and GND can be supplied alternatively with M3 studs.

Max. Input current per backplane

12V = 40A, 5V Standby = 6A



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