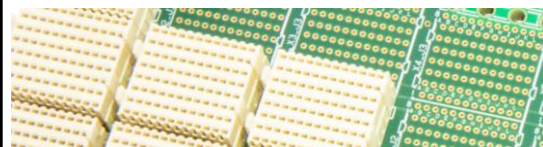


**3U CompactPCI Serial
Monolithic BACKPLANE**
1+6 Slot System Slot Right

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

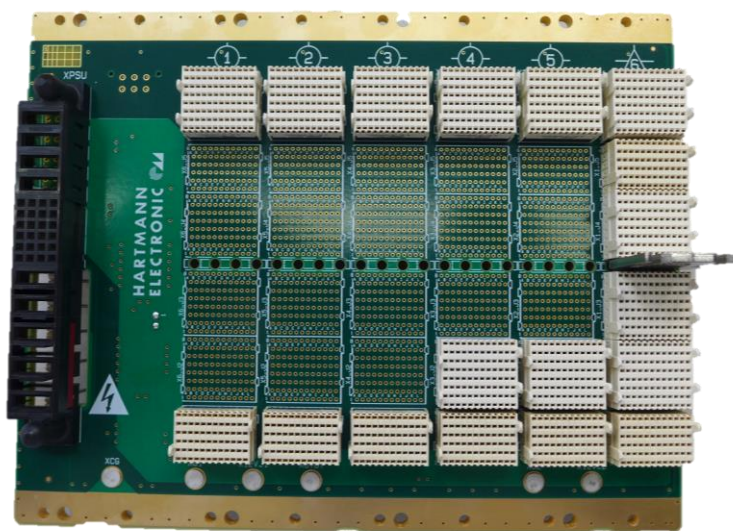


Key Features:

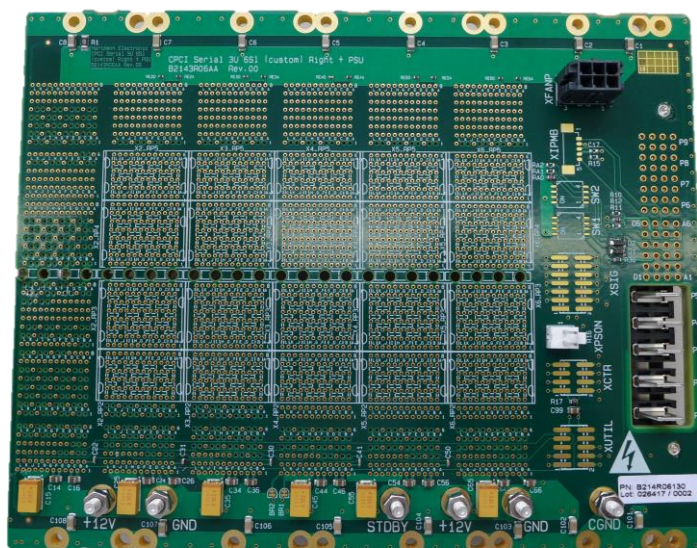
- Compliant to PICMG CPCI-S.0 R2.0 baseline specification
- 6 Slots CompactPCI Serial **without Rear IO**
- Single-Star topology for:
PCI Express, SATA, USB and Ethernet
- 1 x CPCI S.0 System Slot right (CPU)
- 5 x CPCI S.0 Peripheral Slot
- 1 power supply slot 8 HP left**
- M3 studs for alternative 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
- System Management Bus on the backplane (IPMB)
- with geographical addressing
- ENABLE and XPSN 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

Order number: **B214R06130**

Front side

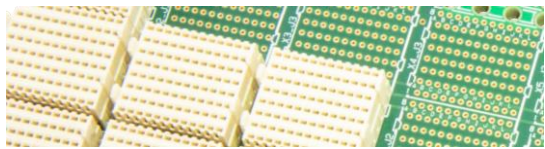


Back side



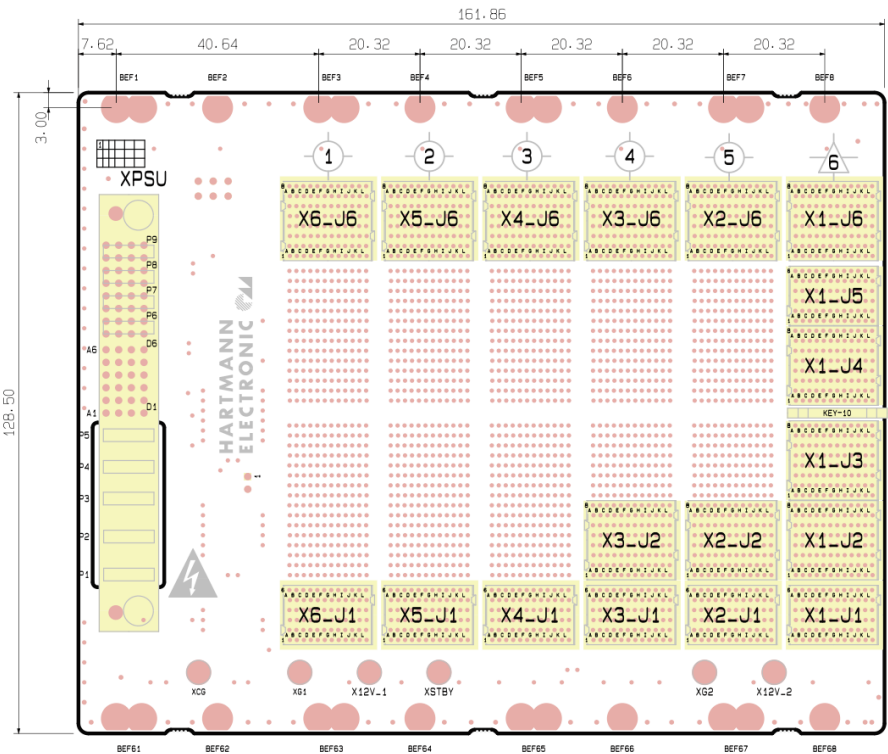
3U CompactPCI Serial
Monolithic BACKPLANE
1+6 Slot System Slot Right

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

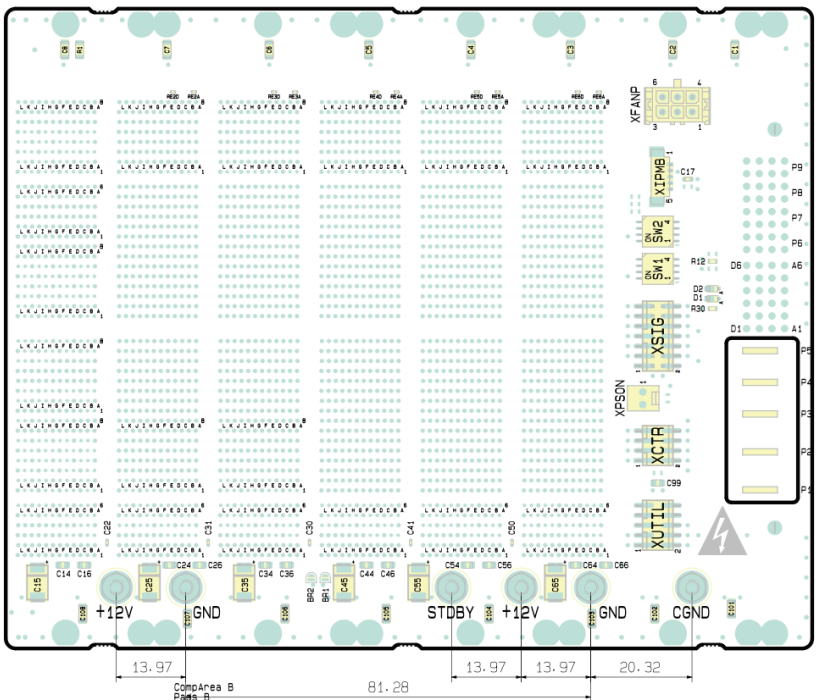


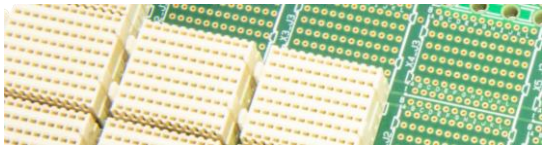
1) Drawings

Front side

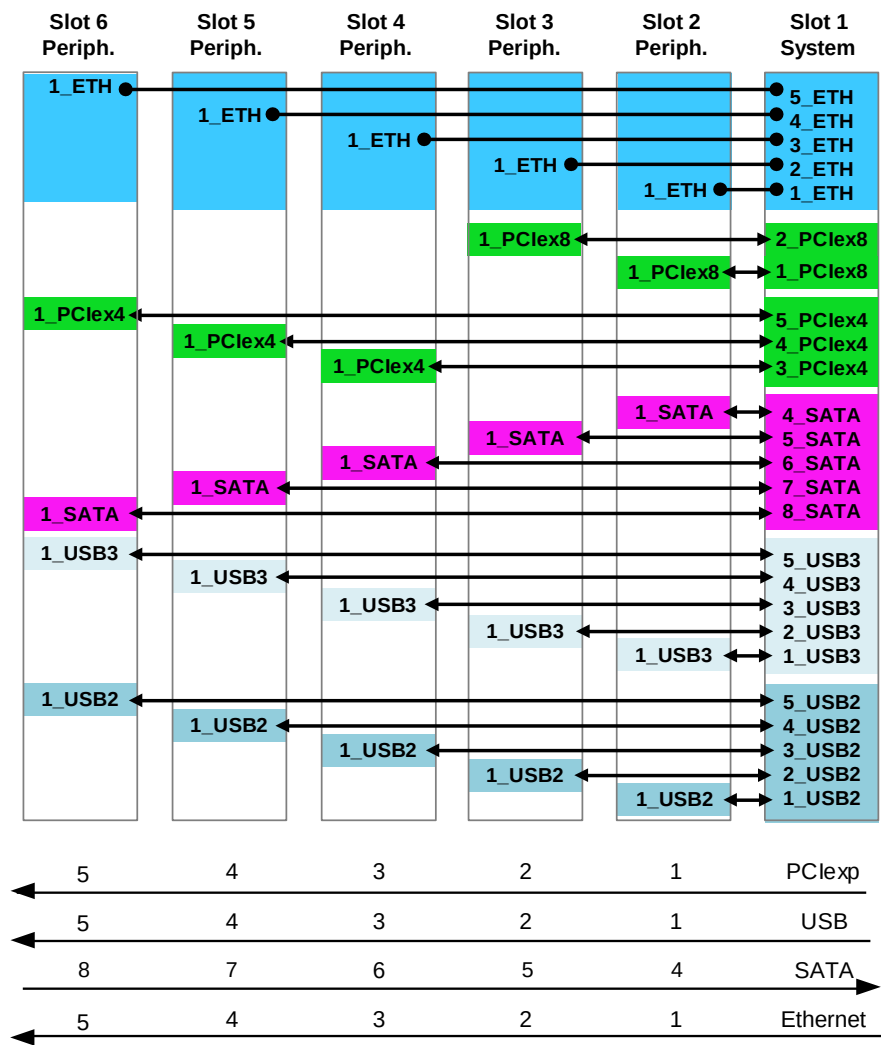


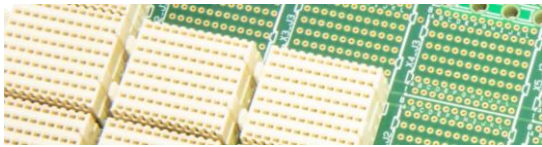
Back side



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



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



Germany

HARTMANN ELECTRONIC GmbH
Motorstr. 43
D-70499 Stuttgart
Phone: +49 711 13 98 90
Fax: +49 711 8 66 11 91
[info\(at\)hartmann-electronic.com](mailto:info(at)hartmann-electronic.com)
www.hartmann-electronic.com

USA

Hartmann Electronic
Fabian Hemmann
202 N. Limestone Street, Suite 320
Springfield, OH 45503
Phone: 937-324-2420
Fax: 937-324-2425
Mobile: +1 937 346 7878
[fabian.hemmann\(at\)hartmann-electronic.com](mailto:fabian.hemmann(at)hartmann-electronic.com)
www.hartmann-electronic.com

France

HARTMANN ELECTRONIC France/
Phoenix Mecano France
Serge PICHAT
76 rue du Bois Galon
94124 Fontenay-sous-Bois cedex
Phone: +33 9 66 44 03 15
Mobile: +33 6 82 62 16 00
[serge.pichat\(at\)hartmann-electronic.com](mailto:serge.pichat(at)hartmann-electronic.com)
www.hartmann-electronic.com

India

Phoenix Mecano (India) Ltd.
Mr. Vivek Deshpande
388 Bhare, Taluka Mulshi,
Post Gotawade, Pune - 412 108
Phone: +91 20 66 74 51 23
Fax: +91 20 22 92 92 05
vivek.deshpande@phoenix-mecano.com
www.phoenixmecano.co.in

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