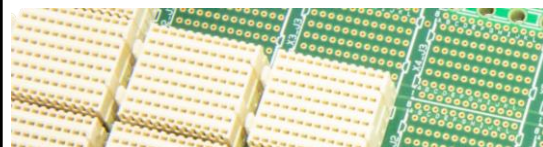


**3U CompactPCI Serial
BACKPLANE without RIO
2 Slot System Slot Right**

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

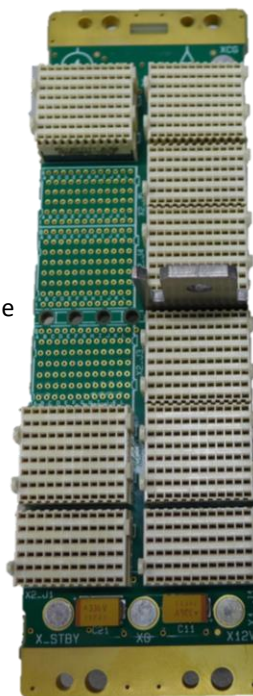


Key Features:

- Compliant to PICMG CPCI-S.0 R2.0 baseline specification
- 2 Slots CompactPCI Serial without Rear IO
- Single-Star topology for:
Ethernet, PCI Express, SATA and USB
- 1 x CPCI S.0 System Slot right (CPU)
- 1 x CPCI S.0 Peripheral Slot
- M3 studs for power entry
- Max. Input current per backplane
12V = 14A, 5V Standby = 2A
- PCB size 128.50mm x 39.94mm 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
- System Reset Signal
- Wake Signal
- Operating temperature: -40°C - +85°C
- Storage temperature: -55°C - +85°C
- Flammability rating: UL94-V0
- Custom assembly or modification on request

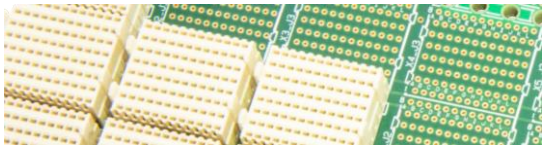
▪ **Order number: B212R02040**

Front side



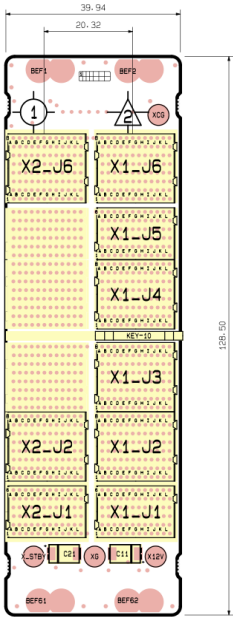
Back side



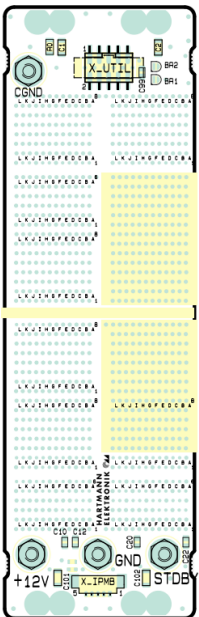
3U CompactPCI Serial BACKPLANE without RIO 2 Slot System Slot Right	PICMG CPCI-S.0 R2.0 (2015)	
---	-------------------------------	--

1) Drawings

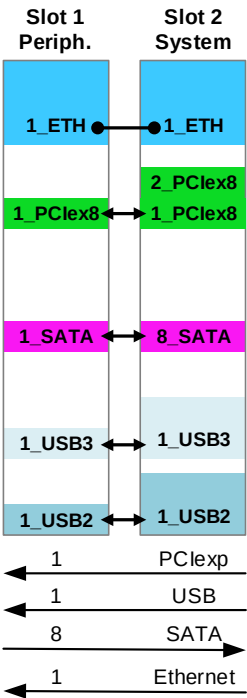
Front side



Back side

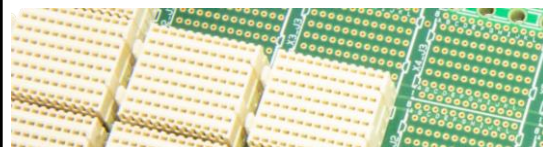


2) Backplane Topology



**3U CompactPCI Serial
BACKPLANE without RIO
2 Slot System Slot Right**

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



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

Can be connected to Power Backplane (e.g. Hartmann 1 slot P-BP part number B210L001A1) with Hartmann utility cable (part number F006.04710, length 350mm)

4) Power Connections M3 screws

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

Max. Input current per backplane

12V = 14A, 5V Standby = 2A



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

All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Specifications are subject to change without notice.