



VITA 62



CompactPCI® Serial

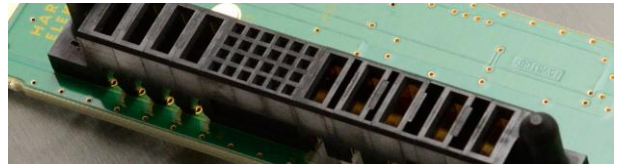
Power Backplane 3U

Rev:		
R 0.1	09.11.2015	

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CompactPCI® Serial

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Hartmann Electronic is an established leader in the design and manufacturing of backplanes and electronic packaging for micro-computer systems. With over 30 years of experience in high-speed backplane design and manufacturing, Hartmann offers an extensive range of standard backplanes and system platform products supporting architectures including VME/64x, CompactPCI/2.16, AdvancedTCA, VPX, VXS, VXI, CompactPCIe, and others.

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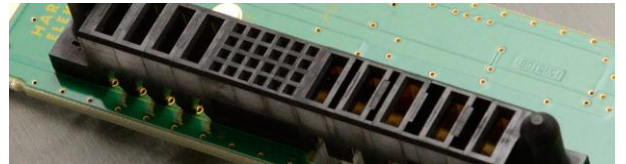


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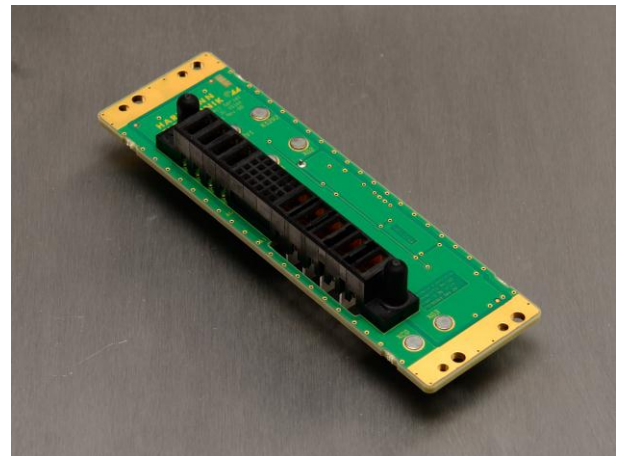


1 CPCI Serial Power Backplane 3U 1Slot

1.1 Key Features

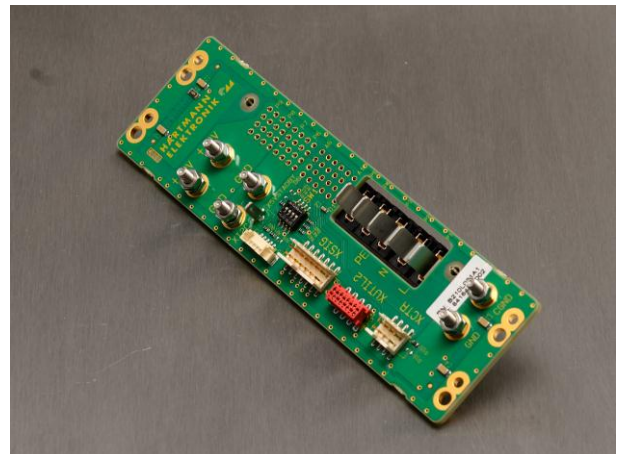
- Universal Input Voltage for VDC and VAC
- Max. Input Voltage (265V AC)
- limited by P(Out = 480W)
- Output (max.): 10732W (90% eff.)
- Output nominal:
 - 40A (12V, 480W)
 - 2A (5V STDBY, 10W)
- M3 studs for output 12V, and 5VSTADBY
- PCB size 128.5 mm x 39,19 mm x 4.3 mm
- Operating temperature: -40° - +85°C
- Storage temperature: -55°C - +85°C
- Flammability rating: UL94-V0

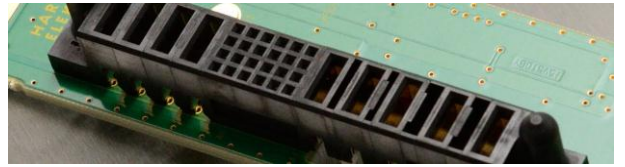
Front side



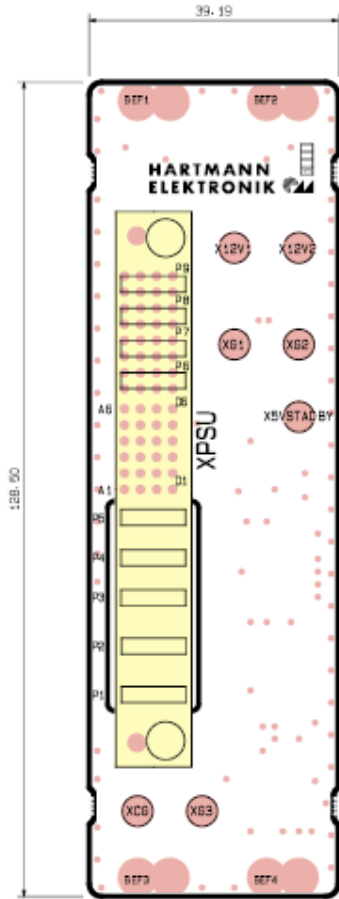
Part number: **B210L001A1**

Rear side

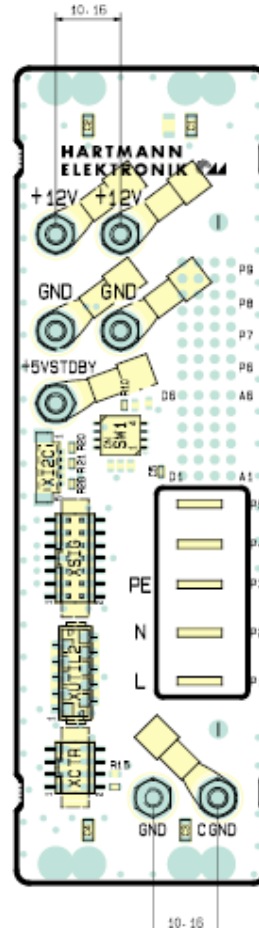




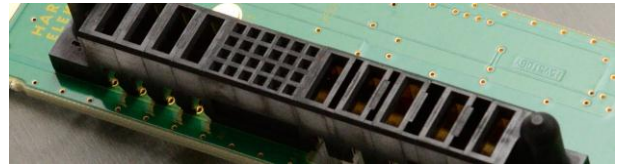
1.2 Layout



Front

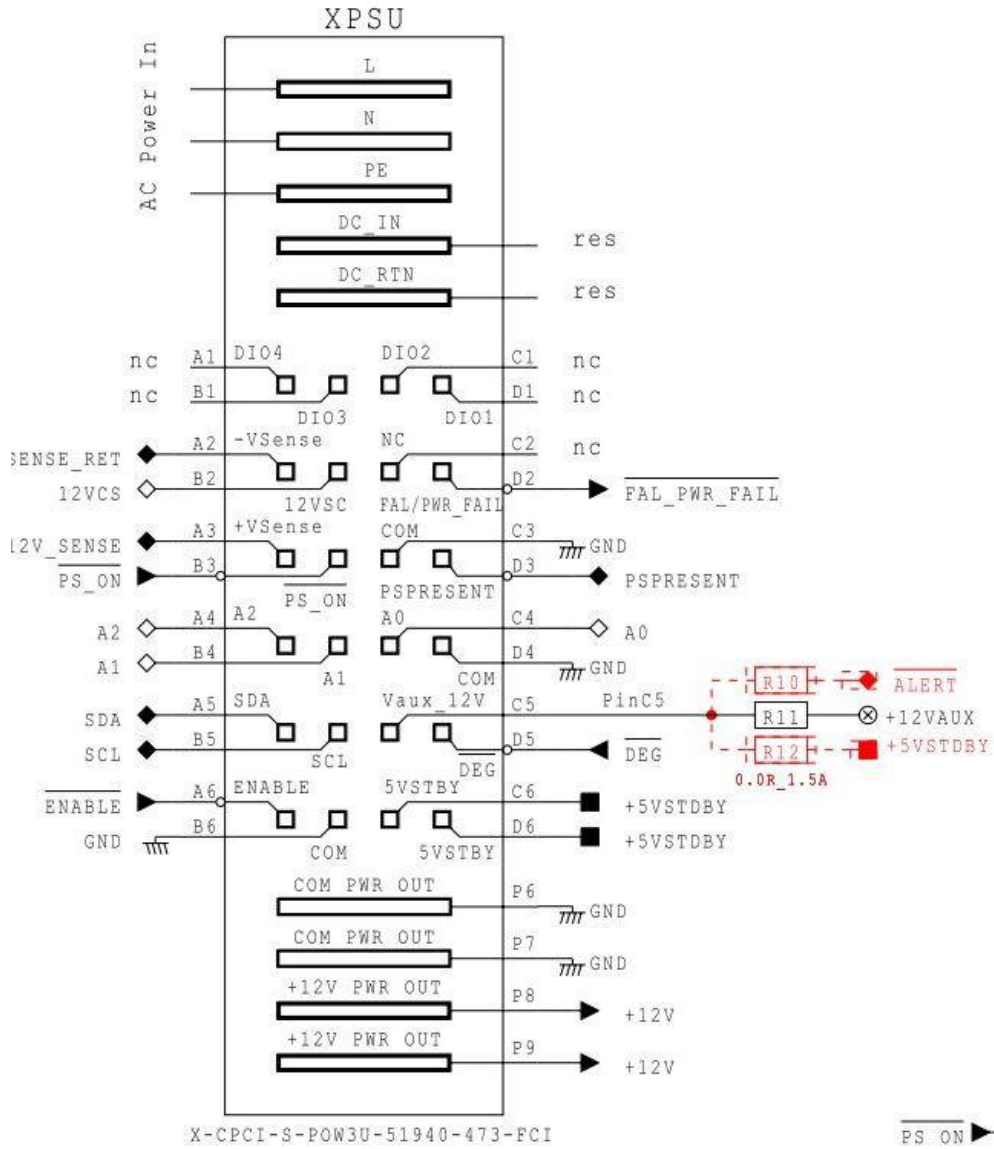


Rear

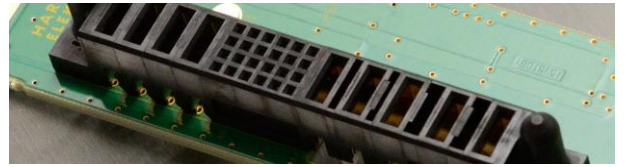


1.3 Connectors

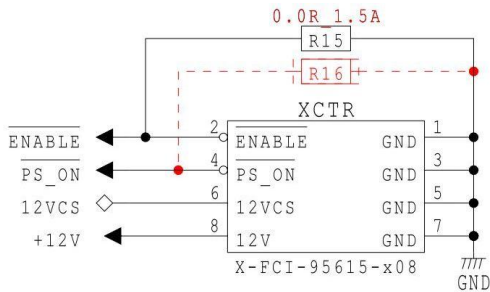
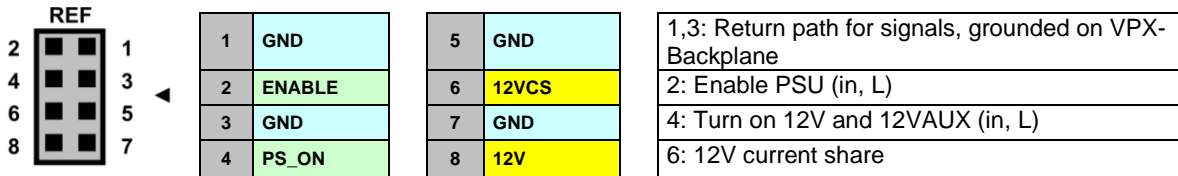
1.3.1 Connector XPSU



(R10, R12 are optional)

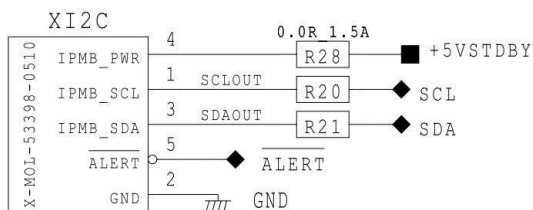
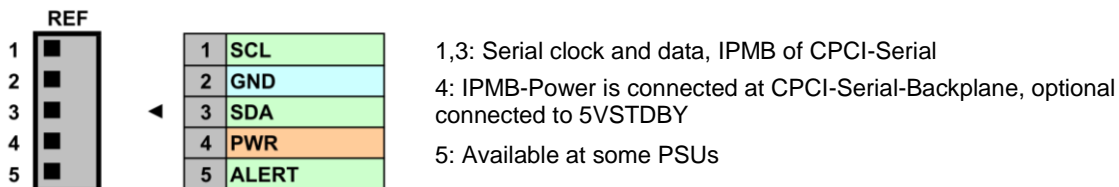


1.3.2 Connector for control of CPCI Serial Power Backplanes (XCTR)

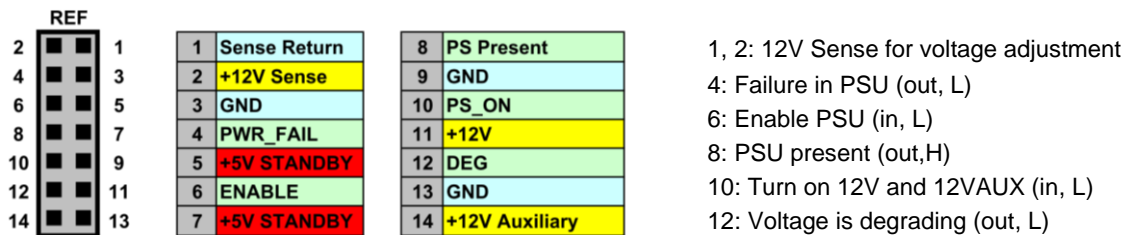


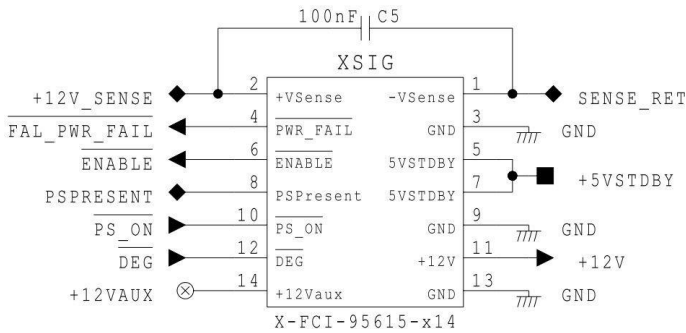
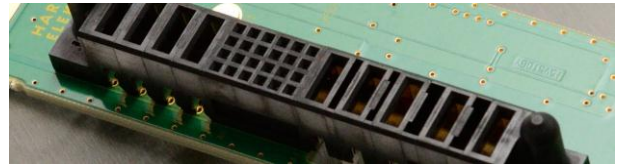
(R16 is optional)

1.3.3 IPMB Connector for CPCI Serial Power Backplanes (XI2C)

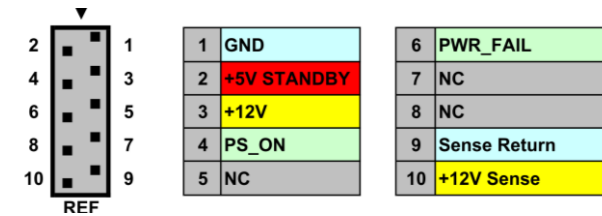


1.3.4 CPCI Serial - Signal Connector from Power Backplane to Backplane (XSIG)





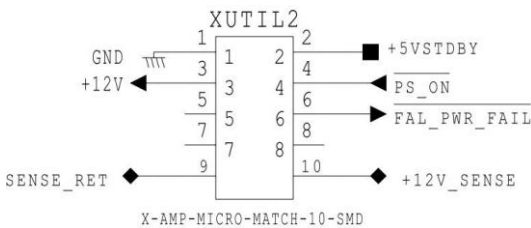
1.3.5 Utility Connector for CPCI Serial Power Backplane



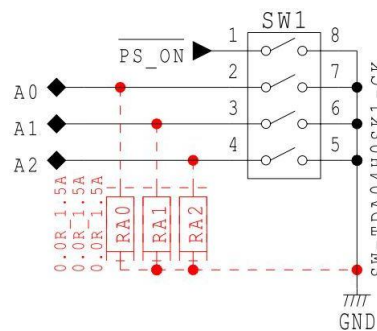
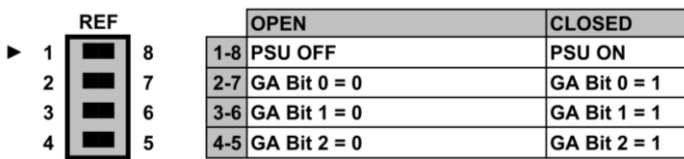
4: Turn on 12V and 12VAUX (in, L) according ATX-Spec.

6: Failure in PSU (out, L)

9,10: 12V sense for voltage adjustment



1.3.6 SW1 switch



(RA0, RA1 RA2 resistors are optional for....)