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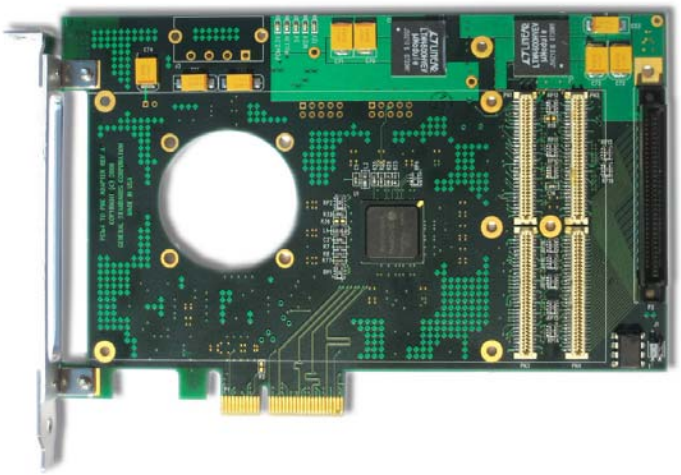
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PCIe4 to PMC Adapter



Features:

- **Supports 32/64 bit PCI/PCI-X Bus**
- **Supports both 3.3v & 5v PCI Signaling**
- **Supports 33/66Mhz PCI Bus, 66/133Mhz PCI-X Bus**
- **Supports Rear I/O**
- **Adapts a single-width PMC form factor to a 4 lane PCI Express (x4 link)**
- **The PCI Express interface supports 4 lanes operating at 2.5 Gbps per lane**
- **Extended temperature range (-40 to +85 degrees Celsius)**
- **Optional fan for additional cooling**

General Standards Corporation
8302A Whitesburg Drive · Huntsville, AL 35802
Phone: (256) 880-8787 or (800) 653-9970 FAX: (256) 880-8788 Email: quotes@generalstandards.com

PCIe & PCI Compatibility:

- PCI Local Bus Specification, Revision 3.0
- PCI Express Base Specification, Revision 1.0a
- PCI Express to PCI Bridge Specification, Revision 1.0

Electrical Characteristics:

The adapter supplies power to the PMC module via internal power supplies:

Supplied by PCIe bus:			**(Indicator, LED)**
+3.3vdc–	8.0A, max;		(LED D6)
+5vdc	–	8.0A, max;	(LED D7)
+12vdc	–	1.0A, max;	(LED D9)
-12vdc	–	400mA, max;	(LED D8)

LEDS

These LEDs are used to monitor the PCIe bus.
D1 – Lane 3, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.
D2 – Lane 2, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.
D3 – Lane 1, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.
D4 – Lane 0, always on, indicates proper link to the PCIe bus. Flashing – problem with the link.
D5– Always on, indicates 3.3v supply from PCIe bus.
D11– Only on, when a PCIe reset occurs.

Mechanical Characteristics:

Height: ~15.0 mm (0.59 in).
Depth: ~167.6 mm (6.60 in).
Width: ~106.7 mm (4.20 in).

Environmental Specifications:

Ambient Temperature Range:	Operating: -40 to +85 Degrees Celsius Storage: -65 to +150 Degrees Celsius
Relative Humidity:	Operating: 0 to 80%, non-condensing Storage: 0 to 95%, non-condensing

Ordering Information:

Specify the basic product model number followed by an option suffix "-1", as indicated below. For example, model number “PCIe4 to PMC Adapter-1” describes a board, which has an external fan installed. Cables are available for the RIO feature. Contact the factory for more details.

Optional Parameter	Value	Specify Option As:
External Fan* **(40x40x6, 5.2 cfm)**	none	0 or leave blank
	external	1

* Contact factory for additional cooling fan options.

General Standards Corporation assumes no responsibility for the use of any circuits in this product. No circuit patent licenses are implied. Information included herein supersedes previously published specifications on this product and is subject to change without notice.

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Table 1. The Rear I/O Connector

P5 Row A		P5 Row B	
P5 - PIN	P4 - PIN	P5 - PIN	P4 - PIN
A34	I/O – 1	B34	I/O – 2
A33	I/O – 3	B33	I/O – 4
A32	I/O – 5	B32	I/O – 6
A31	I/O – 7	B31	I/O – 8
A30	I/O – 9	B30	I/O – 10
A29	I/O – 11	B29	I/O – 12
A28	I/O – 13	B28	I/O – 14
A27	I/O – 15	B27	I/O – 16
A26	I/O – 17	B26	I/O – 18
A25	I/O – 19	B25	I/O – 20
A24	I/O – 21	B24	I/O – 22
A23	I/O – 23	B23	I/O – 24
A22	I/O – 25	B22	I/O – 26
A21	I/O – 27	B21	I/O – 28
A20	I/O – 29	B20	I/O – 30
A19	I/O – 31	B19	I/O – 32
A18	I/O – 33	B18	I/O – 34
A17	I/O – 35	B17	I/O – 36
A16	I/O – 37	B16	I/O – 38
A15	I/O – 39	B15	I/O – 40
A14	I/O – 41	B14	I/O – 42
A13	I/O – 43	B13	I/O – 44
A12	I/O – 45	B12	I/O – 46
A11	I/O – 47	B11	I/O – 48
A10	I/O – 49	B10	I/O – 50
A9	I/O – 51	B9	I/O – 52
A8	I/O – 53	B8	I/O – 54
A7	I/O – 55	B7	I/O – 56
A6	I/O – 57	B6	I/O – 58
A5	I/O – 59	B5	I/O – 60
A4	I/O – 61	B4	I/O – 62
A3	I/O – 63	B3	I/O – 64
A2	GND	B2	GND
A1	GND	B1	GND

System Mating Connector:
68-Pin 2-row 0.050" dual-ribbon cable socket connector: Robinson Nugent #P50E-068-S-TG, or equivalent.

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