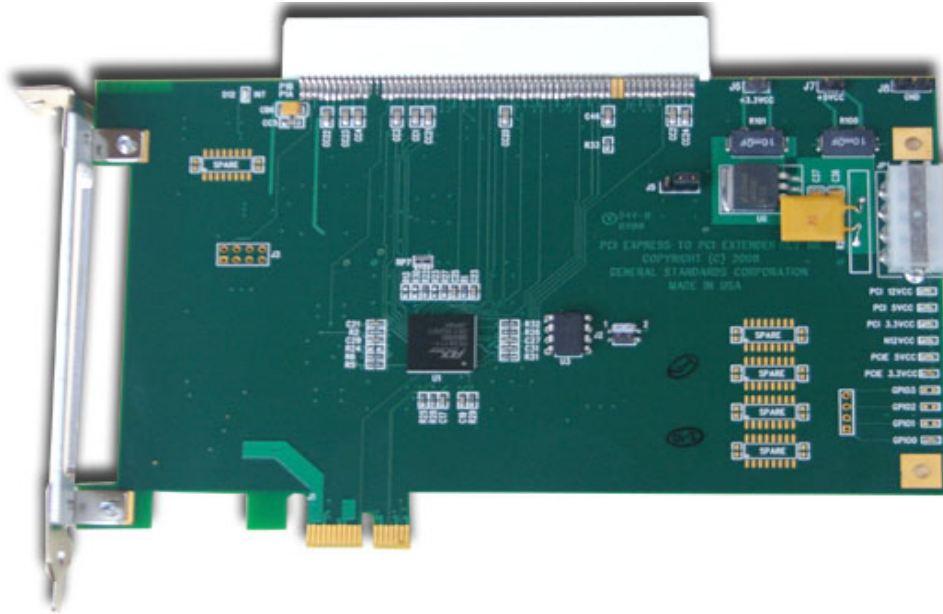


General Standards Corporation

High Performance Bus Interface Solutions

PCI Express to PCI Extender Card



Features

- Ideal for PCI development projects
- Supports 32 bit PCI Bus
- Adapts a PCI form factor card to a single lane PCI Express card (x1 link)
- The PCI Express interface supports one lane operating at 2.5 Gbps
- ATX hard disk connector for supplying auxiliary power
- Onboard LED for monitoring PCI interrupts
- Current shunts allow monitoring of power consumption (+3.3V/+5V power)
- Circuit isolation protects host motherboard during development phase

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8302A Whitesburg Drive · Huntsville, AL 35802

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PCI-Express & 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 extender card supplies power to the PCI module via an external ATX power connection:

External; Supplied by the 4 pin hard disk connector, Molex 53109-0410.

+3.3vdc	–	* 3.0A, max; converted from +5v	(LED D3)
+5vdc	–	* direct connection	(LED D2 PCIe & D11 PMC)
+12vdc	–	* direct connection	(LED D4)
-12vdc	–	* >400mA; converted from +5v	(LED D1)
VIO	–	3.3v or 5v (determined by board options)	

* determined by the customer provided power supply.

GPIO LEDS

These are used to monitor the status of the Express Link. No other purpose at this time.

GPIO 0, D6 – Always on, indicates proper link to the bus. Flashing – problem with the link.

GPIO 1, D7 – off, not used.

GPIO 2, D8 – off, not used.

GPIO 3, D9 – off, not used.

Mechanical Characteristics

Height: ~15.0 mm (0.59 in).

Depth: ~167.6 mm (6.60 in).

Width: ~106.7 mm (4.20 in).

Physical Parameters

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

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