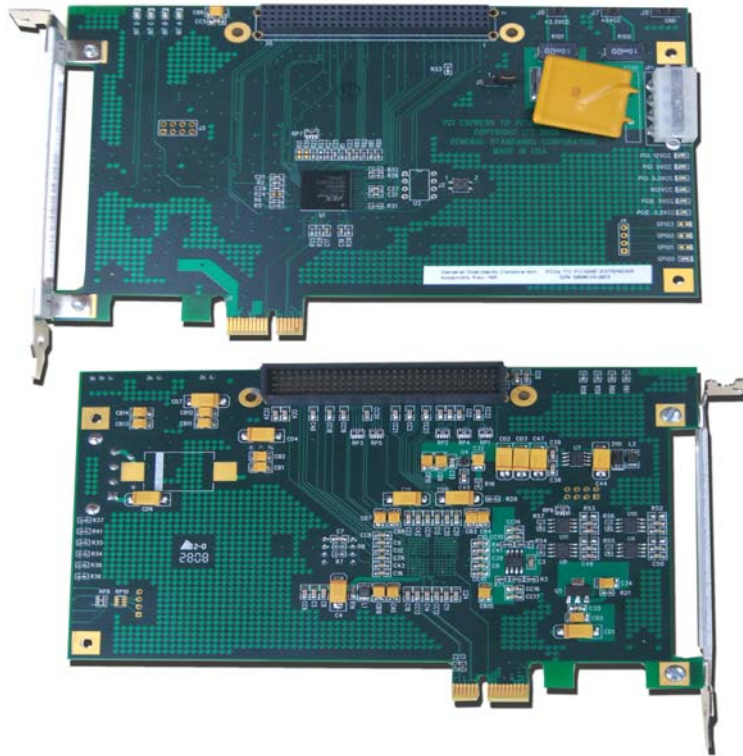


# **General Standards Corporation**

## **High Performance Bus Interface Solutions**

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### *PCI Express to PC/104-Plus Extender Card*



### **Features**

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- **Ideal for PC/104-Plus development projects**
- **Supports 32-bit PC/104-Plus bus operations**
- **Adapts a PC/104-Plus 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 interrupts on PC/104-Plus bus**
- **Current shunts allow monitoring of power consumption (+3.3V/+5V power)**
- **Circuit isolation protects host motherboard during development phase**

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Phone: (256) 880-8787 or (800) 653-9970 FAX: (256) 880-8788 Email: [quotes@generalstandards.com](mailto:quotes@generalstandards.com)

## PCI Express & PC/104-Plus Compatibility:

- PC/104-Plus Bus Compatible Specification 1.2
- 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 PC/104-Plus 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.

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## 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

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### 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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**GSC Model Number: PCIe To PC104P Extender**

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