

PMC Carrier/Adapter

PCI Express-to-PMC-X Adapter for Delivery Systems

The 9940 and 10156 carrier cards allows use of a PMC in a PCI express edge card slot. The product features a PI7C9X130 bridge chip four lane PCI Gen 1 (2.5Gb/s) express primary side and a PCI/PCI-X secondary side.

The 1 lane P/N 10156 fits in 1, 4, 8 and 16 lane PCI Express slots. The 4 lane Technobox P/N 9940 fits in 4, 8 and 16 lane PCI Express slots.

The 10156 is a replacement for the one lane P/N 4749, but since 10156 is 5V PCI signaling compatible is also a suitable replacement for P/N 5243.

The PCI/PCI-X secondary side operates at 33, 50, 66, 100 or 133 MHz in 64 or 32 bit bus width mode.

For rear I/O applications the 64 user rear I/O signals on the PMC PN4 connector are available at the A and C rows of a 96-pin DIN connector.

An optional triple fan assembly (P/N

9983) is available that fits over two PMC-to-PCI express adapter boards and provides substantial forced-air cooling of high-power PMC modules.

This bridged adapter needs no additional software support since PCI Express is backward compatible with PCI software. Software support for the PMC in use is provided by the PMC supplier.

This product works with or 3V or 5V PCI signaling PMC cards, by moving a voltage key and jumper.

Several activity LEDs give an indication of key PCI and PCI express signals and voltages.

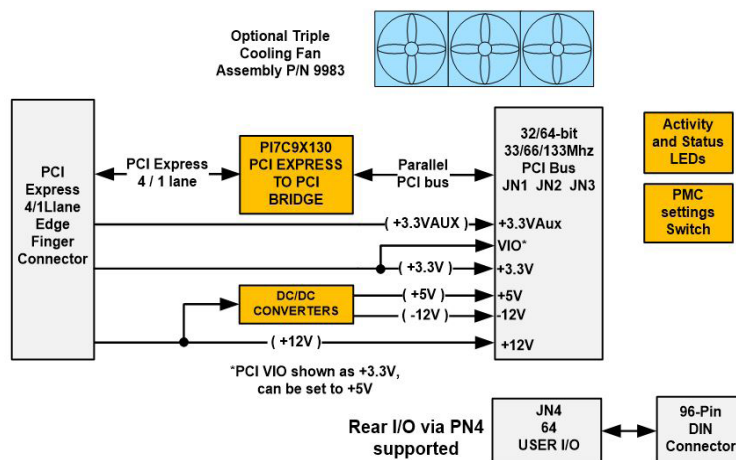
The XCAP and M66EN signals are supported by jumper population to force operation at non-X or lower PCI clock frequencies.

A high quality 2.5 mm thick machined aluminum panel, with a 0.5 mm chamfered edge, is provided on

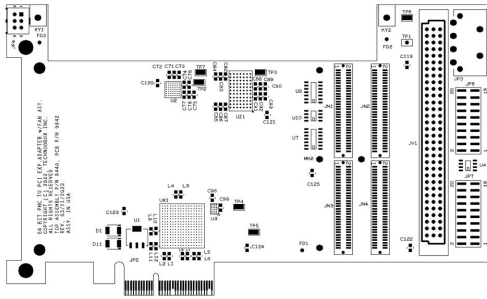


9940

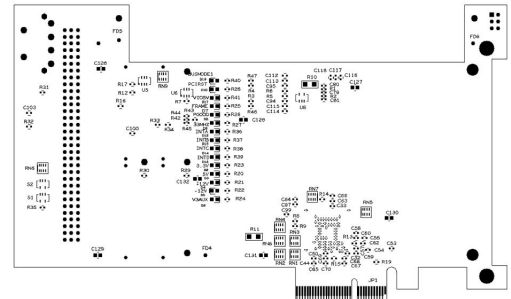
- PCI Bus: 33, 66, 100 or 133 MHz, 32 or 64bit, PCI or PCI-X
- PCI Signaling +3.3V or +5V
- 4 PCI Express Lanes (P/N 9940)
- 1 PCI Express Lanes (P/N 10156)
- Fits in 1, 4, 8 or 16 Lane PCI Express Edge Card Connectors
- PI7C9X130 Bridge Chip
- Conforms to PCI Exp Standard Board Size
- PN4 Rear IO Support
- Machined PCI Standard Front-Panel Accommodates PMC Front-Panel
- Optional Cooling Fan Available (P/N 9983)
- P/N 10156 is a Replacement for P/N 5243 Which is Obsolete
- 5V tolerant PCI Signaling
- Industrial Temperature
- RoHS Compliant



Technobox[®], inc.



COMPONENT PLACEMENT VIEW - SIDE #1



COMPONENT PLACEMENT VIEW - SIDE #2

the PCI board bracket. This mimics the mechanics of a PMC installed on a VMEbus board or other host environments and allows the PMC bezel to be firmly positioned on the board.

sure the signaling environment of the PMC card is 3.3V , 5V or dual 5V/3.3V. The mechanical key must be moved to the correct location for 5V PMC or 3.3V PMC cards.

The following sections describe these features in more detail.

*Diodes Inc is the current producer of the PI7C9X130 it was originally made by Pericom which was acquired.

CAUTION: It is important to make

SPECIFICATIONS

Temperature (Operating): -40 to +85 degrees C

Temperature (Storage): -50 to +100 degrees C

Altitude: Not Specified or Characterized. Typical similar equipment is at 15,000 ft.

Humidity (Operating/Storage): 5% to 95% non-condensing.

Vibration: Not specified or characterized

Shock: Not specified or characterized

MTBF: Available on request

Weight: 110 grams

Voltages Required PMC: As required per PMC mounted

PCI Signaling: 3.3V, 5V

Voltages Required PCI Exp: +12V, +3.3V. Tol: +/-5%

ORDERING INFORMATION

9940: PCI Express-to-PMC-X Adapter - 4X for Delivery Systems

10156: PCI Express-to-PMC-X Adapter - 1X for Delivery Systems

9983: Optional Triple Cooling Fan Assembly

