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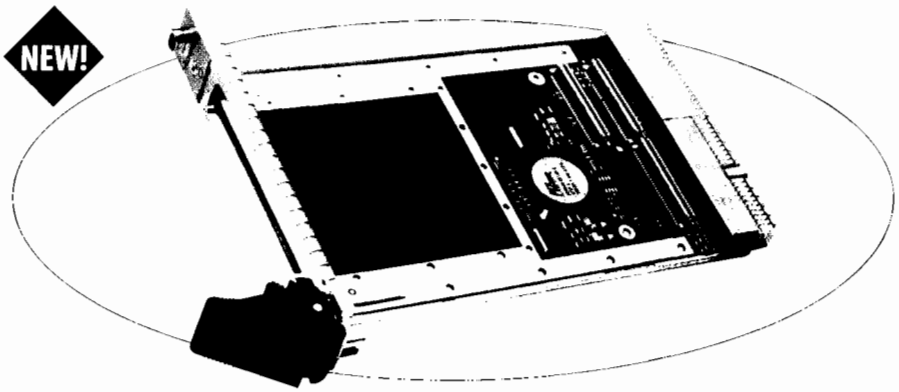
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Find the *Acromag AcPC4610E* at our website: *Click HERE*

Acromag
THE LEADER IN INDUSTRIAL I/O

AcPC4610 CompactPCI Non-intelligent PMC Carrier Card (air/conduction-cooled)



This board is offered in air-cooled (shown above) and conduction-cooled versions for interfacing a PMC module to a CompactPCI system.

Description

These boards provide an easy and low cost solution that enables use of a PMC mezzanine I/O module in a standard 3U CompactPCI computer system. The carrier card acts simply as an adapter to route PCI bus signals to and from the PMC module through the CompactPCI card slot edge connector. All Acromag PMC modules and those from other vendors are supported.

A PLX Technology PCI6540 transparent PCI/PCI bridge handles data transactions from the PCI bus (system host) to the PMC site. The bridge device provides a 32-bit 33/66 MHz PCI interface.

Front-panel field I/O signal access is accommodated on air-cooled models. The carrier card's front panel cut-out provides access to a PMC module's front I/O connector. Alternatively, all I/O signals can be routed through the carrier card's rear J2 connector.

A heat frame enables conduction cooling in applications where ambient or forced air can't provide adequate cooling. This unit is ideal for airborne systems, deployment in battleground equipment, and other situations with advanced thermal management requirements.

Features

- 3U CompactPCI card
- Air and conduction-cooled models
- Holds one PMC card
- 32-bit 33/66 MHz PCI Interface
- Transparent PCI/PCI bridge for data transactions from the PCI bus to PMC module
- Rear connection I/O access
- Rear transition module available
- Supports both 5V and 3.3V signalling
- Conduction-cooled or -40 to 85°C

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Specifications

Environmental

Operating temperature: -40 to 85°C for conduction-cooled.

Storage temperature: -55 to 100°C.

Relative humidity: 5 to 95% non-condensing.

American National Standard for 2mm Connector Equipment Practice on Conduction Cooled Euroboards: ANSI/VITA 30.1-2002.

American National Standard for Conduction Cooled PMC: ANSI/VITA 20-2001(R2005).

Power (received from the CompactPCI 3U Back Plane):
3.3V DC (±5%)*: 135mA typical, 150mA max.
5.0V DC (±5%)*: 50mA typical, 70mA max.
±12V DC (±5%)**: Per PMC module.
* With no PMC module installed, ±12V DC not used.
** Max. power 7.5W (total all supplies) per PMC standard.

MTBF: Call factory.

Physical: CompactPCI Carrier Card

Configuration: 3U CompactPCI card, 100 x 160mm.

Rear CompactPCI connectors: 2mm J1 & J2 connectors.

PMC connectors: Three 1mm connectors.

The air-cooled model (AcPC4610E) uses the standard front panel assembly with a PMC bezel cutout. The conduction cooled model (AcPC4610CC) uses a conduction-cooled frame with wedge-loks™ and thermo bars.

Physical: Transition Module

Configuration: Half-length 3U cPCI Card, 100 x 80mm.

Connectors: 2mm RJ2 connector maps rear I/O signals to a SCSI-3 connector. This model also uses a standard rear front panel assembly with a SCSI-3 connector cutout.

PMC and CompactPCI bus Compliance

Meets PCI specification version 2.3, CompactPCI specification PICMG 2.3 R1.0, and PMC specification P1386.1.

Meets PCI specification version 2.3, CompactPCI specification PICMG 2.3 R1.0, and PMC specification P1386.1.

Data transfer bus: Slave with 32-bit, 16-bit, and 8-bit data transfer operation.

Interrupts: CompactPCI bus INTA# interrupt signal.

PCI interface: PLX Technology PCI6540 transparent PCI/PCI bridge for data transactions from PCI bus (system host) to PMC site. Bridge provides 32-bit 33/66 MHz PCI interface.

Ordering Information

Carrier Cards

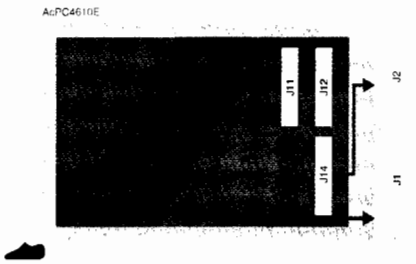
AcPC4610CC
Conduction-cooled cPCI carrier holds one PMC module.

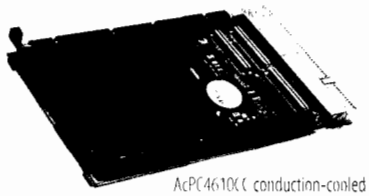
AcPC4610E
Air-cooled cPCI carrier holds one PMC module.

Accessories (see accessories documentation for details)
TRANS-C4610: Transition module, air-cooled.

5028-432: Shielded cable, SCSI-3 68-pin connector, 2m.

5025-288: Termination panel, DIN rail-mount, 68 screw terminals, SCSI-3 connector.



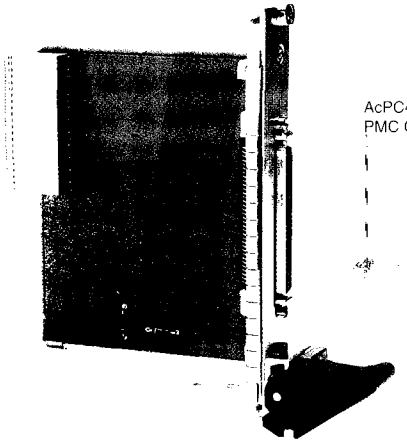


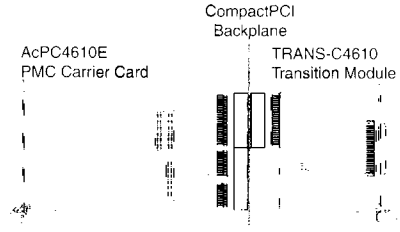
AcPC4610CC conduction-cooled model

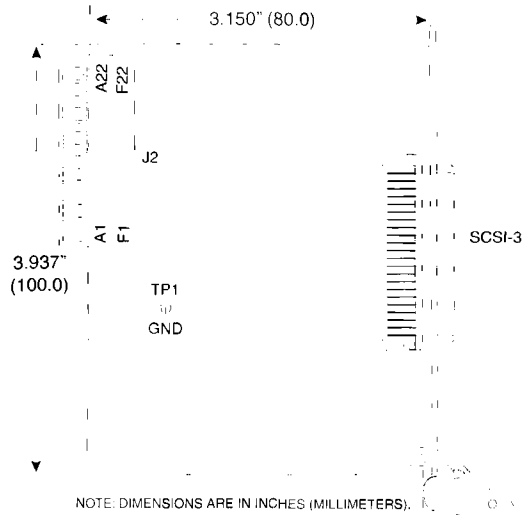
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TRANS-C4610 Transition Module

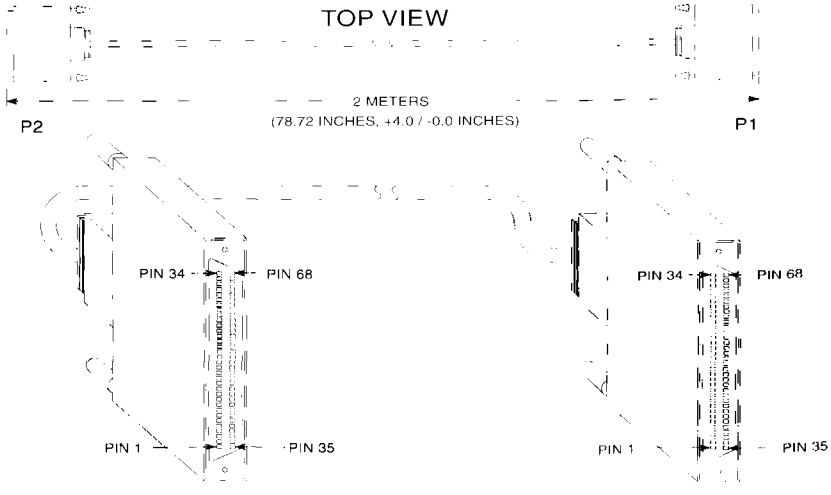




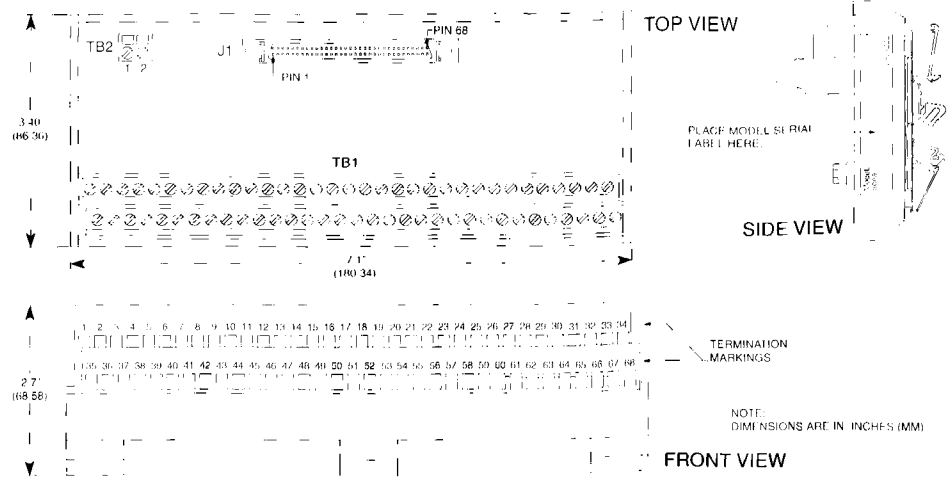


NOTE: DIMENSIONS ARE IN INCHES (MILLIMETERS).

5028-432 SCSI-3 Cable



5025-288 Termination Panel



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