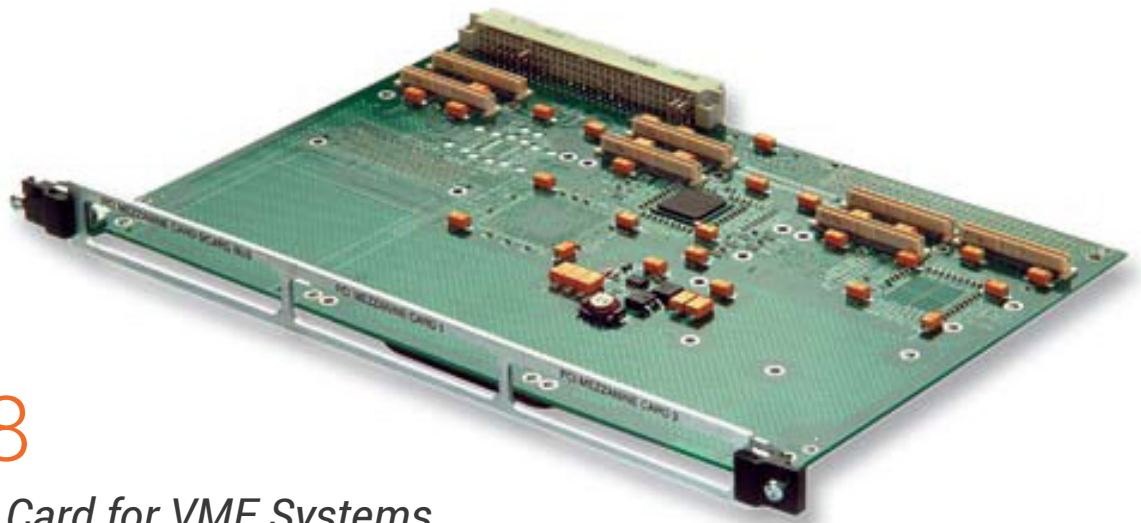




PMC238

PMC Expansion Card for VME Systems

The PMC238 is a 6U form factor card that expands a single PMC site on a VMEbus processor board to two PMC sites and one PCMCIA/CardBus socket or to three PMC sites. Compatible with many VMEbus single board computers, it provides an extension of PCI and PCMCIA capacity within the VMEbus form factor. The PMC238 has the option for the PCMCIA/CardBus cards to be mounted outside the chassis using an 18-inch cable.

Functionally, the PMC238 consists of a PCI/PCI bridge (assuring compliance with PCI loading) and an optional PCI/PCMCIA Host Bus Adapter (see the Abaco Systems PCMCIA/PC Card Host Bus Adapters). Full PCI bandwidth can be maintained to PMC devices installed on the PMC238.

The PMC238 offers several configurations tailoring onboard functionality and host SBC connections. The board can either be populated with three PMC modules, or two PMC modules and a PCMCIA/PC CardBus socket.

The PMC238 generates the +3.3 V for the onboard devices. The PMC238 takes only Power (5 V) and Ground from the VMEbus.

Simple Connection to the Host

Connection to the host is via a PMC connector on the host. Please contact Abaco Systems for further information.

FEATURES:

- Expands the Host Processor to a variety of PMC slots
- 32-bit PCI on the primary PCI bus
- Option for PCMCIA/CardBus
- Option for PCMCIA cards to be mounted outside chassis

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Specifications

Components

- PCI/PCI bridge: Pericom P17C8150ND
- PCMCIA adapter: Texas Instruments 1251 (if "P" option)

Power Specifications

- Power (total): 1 watt
- @ 5 V: 0.2 amps

PCI Bus Characteristics

- Signaling: 3 V and 5 V
- Specification: 2.2
- Speed: 33/66 MHz
- Width: 32 bits
- 32 bit PCI on the primary PCI bus

Form Factor

- 6U single slot VMEbus

MTBF

- MIL 217-F Nav Shel 25 Deg. C: 273,000 hours

Temperature

- Operating: 0° to +60° C
- Storage: -40° to +85° C

Humidity

- Operating: 5% to 95% noncondensing
- Storage: 5% to 95% noncondensing

Conformal Coating

- Yes, additional charge

Ordering information

PMC238CM1/V

Connects to V7768 / V7769

Add "-CC" to indicate conformal coating



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