



- VME PMC Carrier Card - 6U size, dual slot
- Fully compliant to VME64x standard
- Supports 3.3V PCI signaling
- Compliant to IEEE P1386.1 Specifications
- PCI-Bus 64 bit, 33MHz/66MHz
- VME A32/A24/A16 Master and Slave Addressing
- User I/O Routing
- LED indicators to indicate the Power-on condition
- Easily configured with any combination of PMC cards
- Combine different interface types and functions on one VME card

OVERVIEW

The AT-VME-PMC-CAR is a single slot, double height (6U) VME64x, extended VMEbus card with two separate PMC slots. The AT-VME-PMC-CAR uses an on board, industry standard, Tundra chip (Tsi148) providing the bridge between the VMEbus and PCI-bus. The VME-PMC-CAR fulfils the requirements of the VME64x extension plus the Interface for Rear I/O. Each PMC-slot is in conformance with the Draft Standard Physical and Environmental Layers for PCI Mezzanine Cards (P1386.1). The card comes standard with easy to read front panel configuration displays, and two single width PMC slots. The VME PMC carrier allows the user to build powerful and cost effective VME systems by increasing board density. The AT-VME-PMC-CAR is designed to plug all standard PMC cards with a maximum PCI-bus width of 64bit operating at 66MHz. The AT-VME-PMC-CAR carrier board supports the +3.3V PCI-bus signaling; hence only +3.3V tolerant devices may be used.

VME to PCI Bridge

- High performance 32bit VME interface
- Fully compliant with PCI Standard (Revision 2.1)
- VME master and slave capability
- PCI master and slave capability
- Full VMEbus system controller functionality

PCI-bus

- Provides the connection between the PMC interfaces to the VMEbus Interface
- Fully compliant to PCI-bus Specification Rev 2.2
- PCI-bus width of 64 bit
- PCI bus operation of 33MHz/66MHz

PMC Slot

- Each PMC slot provides 64bit, 66MHz PCI-bus operation
- Each PMC slot provides the capability for Rear-I/O (VME64x Mapping)

Front Panel

- The Front panel provides two breakouts for using the standard PMC- front panel bezel

AT-VME-PMC-CAR

VME PMC Carrier Board

PRODUCT SPECIFICATIONS

General

- VME64x bus Interface
- PCI bus Interface: Fully PCI 2.1 Compliant, 5V Signaling
- Form Factor: 6U size
- PMC slots compliant to IEEE P1386.1 specifications

Physical

- Single VME64x slot
- VME 6U form factor - 233 mm X 160 mm

Environmental

- Operating temperature: -40°C to +85°C
- Relative Humidity: 5% to 90% (non-condensing)

Electrical

- 64 I/O signals of PMC slot 1 routed to VME P0 connector
- 64 I/O signals of PMC slot 2 are routed to row A and row C of VME P2 connector

Warranty

- 1 year warranty

ORDERING INFORMATION

Hardware Selection

AT-VME-2-PMC-CAR-Ruggedization



- Contact sales for support for other Operating Systems
- Contact sales for configuration of front and rear I/O configuration
- Contact sales for environmental options



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