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Find the *Curtiss-Wright / VMETRO / Micro Memory MM-6140D* at our website: *Click HERE*

Announcements

First 8GB RACE++ VME board to include quad Serial FPDP ports...

A/D converter with six 14-bit 105 MHz channels, dual RACE++ and 8GB in a single VME slot...

μmem™ NVRAM cards now available with up to 16GB of battery-backed SDRAM...

Tech Notes

Crossing Boundaries: Overcoming the 256 MB limitation in RACE and MC/OS...

Basics of PCI memory mapping...

NAND vs. NOR: Different types of Flash memory for different types of applications...

Product Spec Sheets

Please Select One: ▼

MM-6140D

512MB Solid State DRAM PMC

FEATURES:

Capacity: 64MB, 128MB, 256MB, 512MB
Optimum high speed buffer memory
Performs reads and writes at 132MB/s
Fully compliant with PMC Specification rev. 2.1
VxWorks driver included
PMC DMA Initiator for bus Mastering
RAMDisk capability
Supports Interrupts
Reliability insured by temperature cycling
1 Year Warranty

DESCRIPTION:

The MM-6140D is a 32-bit/33MHz PMC (PCI Mezzanine Card) memory buffer capable of burst mode accesses at the full bandwidth of 32-bit/33MHz PCI, which translates to a rate of up to 132 MB/sec.

The MM-6140D can be placed directly on any platform with a PMC connection. It is commonly used as a high speed buffer for fiber channels, DSPs, PowerPC, and Pentium SBCs. In many PMC applications, the maximum speeds on the memory read cycles can only be achieved by using Push/Push technology. This is accomplished with our on-board DMA initiator. Various drivers are included so that the card can also be used as a high speed RAMDisk.

The configurable space header of the MM-6140D returns a class code of 05h, indicating that it is a memory controller, and a sub-class code of 00h, indicating that it is a RAM module.

The MM-6140D is field upgradeable from 256MB to 512MB, by installing a mezzanine card.

Reliability is ensured by burn-in and running memory diagnostics that check operation for 48 hours while temperature-cycling boards from 0 to 70°C. Also, reliability is backed up by Micro Memory, LLC's 1 Year Warranty.

MM-6140D Specifications

- **Capacity** : 128MB, 256MB or 512MB
- **Transfer Rate** : Up to 132MB/s
- **Bus Mastering** : DMA Initiator and Target capabilities
- **Compatibility** : PMC specification Rev. 2.1
- **Module Selection** : Software selectable through I/O registers
- **Refresh** : Fifteen refresh cycles occur every 225 microseconds, each requiring

240 nsec

- **Operating Temperature** : 0 to 70°C
- **Storage Temperature** : -40 to 85°C
- **Relative Humidity** : Up to 95% without condensation
- **Power Requirements** : +5V @ 575 ma

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