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Find the *Curtiss-Wright / VMETRO / Micro Memory MM-6170F/128MB* 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

MM-6170F

256MB Non-Volatile Solid State FLASH PMC

FEATURES:

Capacity: 64MB, 128MB, 256MB
Optimum high speed booting source
Totally Non-Volatile
20 year data retention and up to 1,000,000 write/erase cycles
Fully compliant with PMC Specification rev. 2.1
Performs reads at over 20 MB/s
VxWorks driver included
PMC DMA Initiator for bus Mastering
Available in semi-rugged, extended temp. version
Supports Interrupts
Solid State

DESCRIPTION:

The MM-6170F is a 32-bit/33MHz PCI Mezzanine Card (PMC). NOR FLASH chips are utilized to provide up to 256MB of non-volatile, solid state memory. This technology makes the MM-6170F the optimum high speed booting source, performing burst read transfers at over 20 MB/s. In addition to being non-volatile, the card can be reprogrammed in place without ever removing it from the carrier card.

The card is capable of being both a target memory and a DMA initiator in order to maximize throughput. The NOR FLASH technology provides 20 year data retention and up to 1,000,000 write/erase cycles.

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Please Select One:

A complete VxWorks driver and BIST is included.
The configurable space header of the MM-6170F 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.
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. Reliability is backed up by Micro Memory, LLC's Lifetime Warranty.

MM-6170F Specifications

- **Capacity** : 64MB, 128MB, 256MB
- **Transfer Rate** : Read – Over 20 MB/s, Write – Under 1 MB/s
- **Bus Mastering** : DMA Initiator for Bus Mastering necessary to maximize transfers.
- **Compatibility** : Compatible with PMC Local Bus Specification Rev 2.1
- **Module Selection** : Software selectable through I/O registers
- **Operating Temperature** : 0° to 70°C
- **Storage Temperature** : -40°C to 85°C
- **Relative Humidity** : Up to 95% without condensation
- **Power Requirements** : 5V @ 1.2A, Max (operational)

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