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Find the *Curtiss-Wright / VMETRO / Micro Memory MM-6155* at our website: ***Click HERE***

CoSine
FPGA Processing
System-on-Chip

Othello
VME/PMC
Carriers

RapidIO

Serial FPDP

MM-6155D

2GB SDRAM PMC

Features

Capacity: 2GB
DMA Initiator for Bus Mastering for maximizing read and write transfers
Supports PCI interrupts
Error Detection and Correction
Burst Mode Transfer Rate: 264 MB/s peak

Description

The MM-6155D is a 64-bit/33MHz SDRAM PMC (PCI Mezzanine Card) capable of burst mode transfers of up to 264MB/s.

PMC's have become the standard form factor of choice for I/O on today's high performance board level CompactPCI, PCI, and VME cards. PMC's are electrically equivalent to the traditional PCI bus. Most CompactPCI and VME single board computers now include one and often two PMC sites for flexible I/O integration.

The MM-6155D can easily provide buffer expansion memory on cards with PMC sites. The MM-6155D has a PLD that controls data management and provides double bit error detection and single bit correction. Instead of just generating an interrupt, a specialized Mailbox DMA notifies the host in host memory when transfers are complete so the host does not have to poll the status of the DMA.

Reliability is ensured by burn-in and running memory diagnostics that check operations for 48 hours while temperature-cycling boards from 0° to 70° C.

MM-6155D Specifications

- **Capacity** : 2GB
- **Interface** : PCI Local Bus Specification Rev 2.2, 3.3V or 5V signaling
- **Burst Mode Transfer Rate** : 264 MB/s peak (not including refresh),

240 MB/s sustained

- **Bus Mastering** : DMA Initiator and Target capabilities
- **Data Integrity** : Error detection and correction for all single-bit errors and detection only for multi-bits.
- **Interrupts** : Supports PCI Interrupts
- **Compatibility** : Common Mezzanine Card Family: CMC, IEEE P1386, Draft 2.2, Physical and Environmental Layers for PCI Mezzanine Cards: PMC, IEEE P1386.1, Draft 2.3

Operating Temperature : 0° to +55° C

- **Storage Temperature** : -40° to +85° C
- **Relative Humidity** : 95% without condensation
- **Power Requirements** : +3.3V @ 0.6 Amps standby (fully loaded), +3.3V @ 1.4 Amps operating (fully loaded)

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