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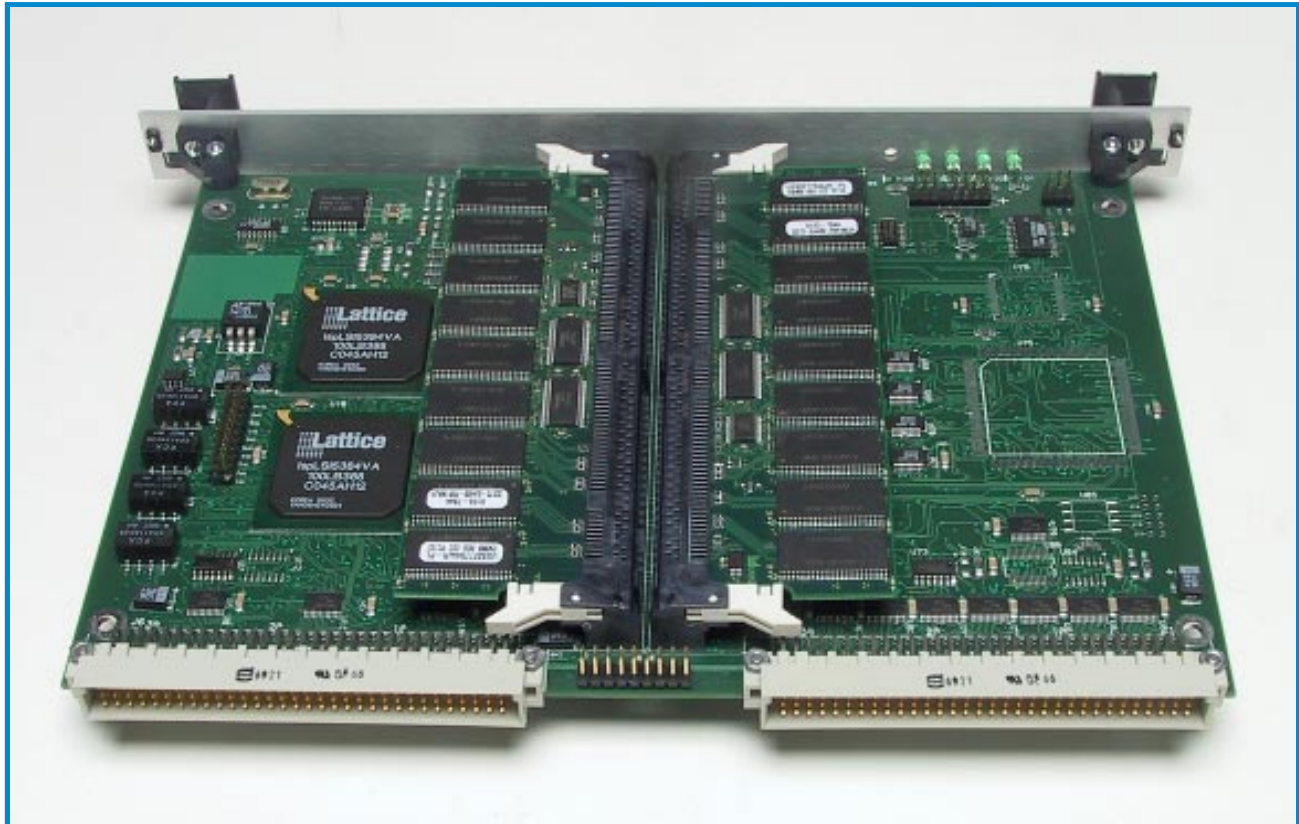
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VMEbus / 4GB

64MB to 4GB HIGH-SPEED VMEbus Memory



CI-VME4G

The CI-VME4G is a high-speed, high-capacity DRAM memory board with VME64 and VSB interfaces. The CI-VME4G is optimized for Block Transfer Cycles yielding a bus transfer rate up to 80 megabytes per second. The CI-VME4G is an excellent choice for high-speed DMA and memory buffered systems that require maximum memory transfer rates into large memory capacities. The CI-VME4G fully supports the current ANSI/VITA Bus Specifications for both the VSB and VMEbus. Flexible software programmable address selections allow the CI-VME4G to be placed into any VMEbus environment. The CSR allows configuration of Address Selection. All CSR configuration settings are stored in EEPROM.

FEATURES:

- * Up to 80MB/sec VMEbus transfer rates
- * 64MB to 4GB in one 6U VMEbus slot
- * Dual Port Access from the VSB
- * LED indicators for VME, D64, VSB, ALU
- * 64 bit data path for higher data transfer rates
- * Jumperless Configuration, stored in EEPROM
- * Memory start and end addresses selectable on 1MB boundaries

Chrislin Industries, Inc.



SPECIFICATIONS

CI-VME4G

CHARACTERISTIC	SPECIFICATION
Capacity	64, 128, 256, 512 megabytes, 1, 2, and 4 gigabytes
Cycle Time	100ns BLOCK CYCLE, 195ns SINGLE CYCLE
Access Time Write/Read	30/30ns BLOCK CYCLE, 90/140ns SINGLE CYCLE
Word Size	8, 16, 24, 32, or 64 bits
Memory Addressing	A32, 4 GB maximum selectable on 1 MB boundaries
CSR Addressing	A16, selectable on 256 byte boundaries
Modes of Operation MEMORY	READ, WRITE, READ-MODIFY-WRITE, 64/32 Bit BLOCK TRANSFERS, UNALIGNED TRANSFERS
CSR	READ, WRITE
ANSI/VITA 1-1994 ANSI/VITA 1.1-1997 Compatibility	SLAVE, A16, A32, D8, D16, D24, D32, D64, RMW, MBLT, UAT, AD0
VSB Rev C Compatibility	SLAVE, D32, A32, SAS, ATLAS, ADO, BLT(32)
Address Modifiers	Responds to AM Codes 0E,0D,0C,0A,09,08,2D, & 29 AM Codes are programmable
Refresh	Internal, Distributed, Queued
LED Indicators	VME, D64, VSB, ALU (green)
Designed Temperature Range	Operating: 0 deg. C to +50 deg. C non-condensing Storage: -20 deg. C to +70 deg. C non-condensing
Power Requirements +5 Volts	TYPICAL MAXIMUM 2.5A 2.9A 4GB Option
Dimensions	160mm x 233.35mm, 6U form factor

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