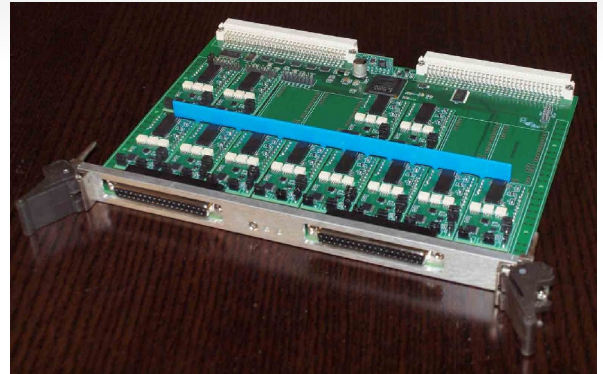




MVME4150 Analog Output Module

Specifications

- Number of Outputs: Up to 16 Isolated Analog Outputs
- Resolution: 16 bits
- User Selectable Full Scale Range: $\pm 10V$, $\pm 5V \pm 2.5V$, $+2.5V$, $+5V$, $+10V$, $0-20mA$, $4-20mA$, $5-25mA$
- Isolation: $\pm 1000V$
- Load Capacity, $20mA$ for voltage outputs over full $\pm 10V$ range.
- Voltage Output Accuracy 0.05%
- Current Output Accuracy 0.08%
- Voltage outputs protected to $\pm 20 V$ indefinitely; transients to $\pm 50 V$.
- Optical data coupling provides full galvanic isolation.
- Static readback data registers simplify program control
- Program-controlled connect/disconnect operation of outputs.



The MVME4150 is a drop-in replacement to the obsolete VMIVME-4150. It offers up to 16 optically isolated analog output channels. Each channel has its own power and ground planes that are independent of the other channels. The MVME4150 offers the following improvements over the obsolete GE-IP product.

VME Specifications

- Meets VME Specifications Revision C.1 IEEE Std. 1014-1987.
- A24:D32 or A16:D32 Slave.
- Board size: 6U

Power Requirements

- +5 Volts @ 400mA
- +12Volts @ 125mA

Environmental

- Operating Temperature: -20 to $85^{\circ}C$
- Storage Temperature: -40 to $125^{\circ}C$
- Shock: 25g, 11ms on all axis

- Resolution increased to 16 bits.
- Extra 4 output channels wired to unused pins on the I/O connectors.
- Each channel may be configured by the user for any of 9 output types.
- Onboard calibration table for each type of output stored in NVRAM.
- Conduction cooled version available.

As with all Merlin Embedded DIR products, the MVME4150 has the same, or better, functional performance than the product it is replacing. All Merlin Embedded products are backed by a 2-year warranty and 15 years of life-cycle support.

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