PRELIMINARY

MVME2533 32-Bit Differential Digital Output Module

Specifications

- 32-bits of differential digital outputs
- 8-, 16-, or 32-bit data transfers
- Monitoring of each group of 32 inputs
- Each data bit in each 16-bit data word represents one discrete line pair
- **Indicator -** Front panel with fail LED
- RS422/RS485-compatible drivers and receivers
- Power-up replacement option
- NSI/IEEE STD C37.90.1-1982 surge protection requirements
- **Input Connector Type -** Dual 64-pin connectors – DIN 41612
- **I/O Organization -** 4 ports, 8 bits wide. Addressable to any address within short supervisory or short nonprivileged I/O map. Ports are individually addressable as 8-, 16-, or 32-bit words.

VME Specifications

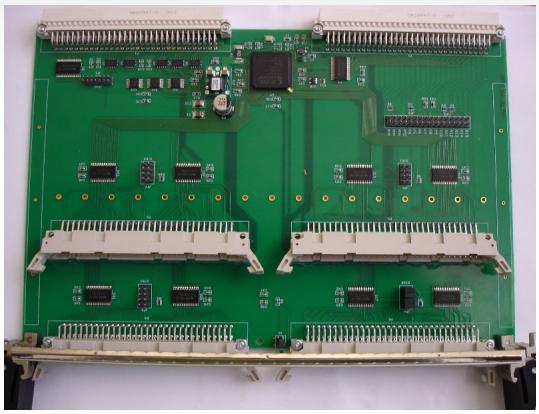
- Conforms with VME Specifications Revision C.1 IEEE Std. 1014-1987
- **Board size:** 6U

Power Requirements

- 5V @ 3A

Environmental

- **Operating Temperature -** -20 to 85 °C
- **Storage Temperature -** -40 to 125 °
- **Shock -** 25g, 11ms on all axis
- **Humidity -** 95% Rel. Humidity, non-condensing



The MVME2533 is a drop-in-replacement for the GE-IP VMIVME-2533

Features

The MVME2533 is a 32 bit differential digital output module. The module supports Built-in test hardware and features both offline and online to test all active components. There is a special test-mode bit to enable the output test registers to drive the differential receivers

- **Conformal coating is standard on all units.**
- **Conduction-cooled version available**

As with all Merlin Embedded DIR products, the MVME2533 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. The user will not have to take on any obsolescence issues when utilizing Merlin Embedded products.

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