



PRELIMINARY

MVME2510 64-Bit TTL Digital I/O Module, Built-in-Test

Specifications

- 64 mA sink capability
- Each 8-bit port is individually programmable for direction
- Separate board address decoding for control and data registers
- Built-in-Test logic for fault detection and isolation
- 8-, 16-, 32-bit transfers
- Optional open-collector outputs
- **Connector Type** - Dual 64-pin connector, DIN41612
- **I/O Organization** - 8 I/O ports; 8-bits wide. Addressable to any address within short supervisory or short non-privileged I/O map.
- **Built-in-Test** - Output data may be read back in real-time or in an off-line mode.
- **Indicator FP** – LED
- **I/O Circuit** - transceivers support high current sink (64mA) outputs.

VME Specifications

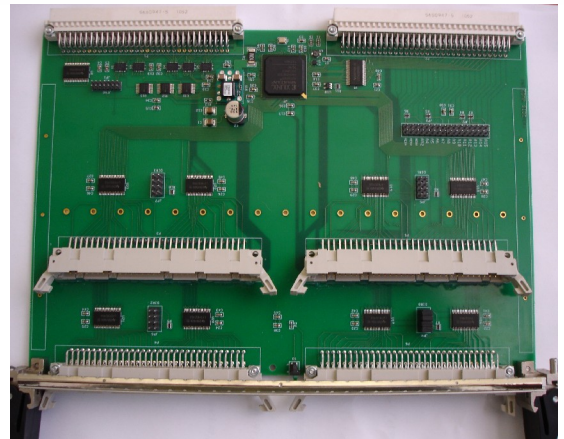
- Conforms with VME Specifications Revision C.1 IEEE Std. 1014-1987
- **Board size** – 6U

Power Requirements

- +5VDC @ 3A maximum

Environmental

- **Operating Temperature:** 0 to 55 °C
- **Storage Temperature:** -20 to 85 °C
- **Shock:** 25g, 11ms on all axis
- **Humidity:** 80% Rel. Humidity, non-condensing



The MVME2510 64-bit TTL Digital I/O Module is a drop-in-replacement for the GE-IP VMIC VMIVME-2510B

Features

- The MVME2510 module has individually programmable ports
- **Conformal coating is standard on all units.**
- **Conduction-cooled version available**

As with all Merlin Embedded DIR products, the MVME2510 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.

Merlin Embedded

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