



**PRELIMINARY**

## **MVME1111 64-Bit High Voltage Digital Input Module**

### **Specifications**

- 64 bits of differential or high-voltage digital inputs
- 8-, 16-, or 32-bit data transfers
- Monitoring of each group of 32 inputs
- Open circuit provides logic-0 or (jumper-selectable) logic-1
- **Indicator** - Front panel with fail LED
- User-selectable input voltage thresholds (1.25 to 66V)
- RS422/RS485-compatible differential line receivers provide  $\pm 7V$  noise immunity
- 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** - 8 input ports; 8-bits wide. Addressable to any address within short supervisory and/or short nonprivileged I/O map. Control and Status Register (CSR) address is independently selectable.
- **Signal Conditioning Input Filter Option** –
  - Differential inputs; series resistor and capacitor connected across the signal input
  - Single-ended inputs; provides an input debounce filter; user selected time constant

### **VME Specifications**

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

### **Power Requirements**

**5V @ 1.25A**

### **Environmental**

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

PHOTO COMING SOON

**The MVME1111 is a drop-in-replacement for the GE-IP VMIVME-1111**

### **Features**

The MVME1111 is a 64 bit high voltage digital input 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 MVME1111 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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