



**PRELIMINARY**

## **MVME2131 64-Bit High Current Source/Sink Driver Module**

### **Specifications**

- **Output Breakdown Voltage** -  $V_S + 2.0$  V
- **Output Current** - 500 mA continuous source and/or sink
- **Peak Output Current** - 3.5 A maximum (100 ms, 10 percent DC)
- **Output Circuit Protection** - Thermal shutdown protection
- **Output Leakage Current** - 500  $\mu$ A over 0 to 33 V
- **Output Saturation Voltage** - 2 V maximum at 2 A
- **Output Voltage Drop** - 2V max at 2A and 31V output
- **Output Driver Supply Voltage  $V_S$**  - 8.0 to 33 V
- **Indicator** – Fail LED, Front Panel

### **VME Specifications**

- Conforms with VME Specifications Revision C.1 IEEE Std. 1014-1987
- **Board size** – 6U
- **Output Connector Type** - Dual 64-pin connectors – DIN 41612
- **Output Organization** - 8 output ports, 8-bits wide.

### **Power Requirements**

- 5V @ 4A

### **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 MVME2131 is a drop-in-replacement for the GE-IP (VMIC) VMIVME-2131**

### **Features**

The MVME2131 is a 64 bit high current source or sink VME 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 MVME2131 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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