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## VMIVME-3801, ISOLATED SCANNING 12-bit 32-CHANNEL ANALOG-TO-DIGITAL CONVERTER BOARD (6U) WITH BUILT-IN-TEST AND SCREW TERMINAL INTERFACE

- 32 Single-Ended or 16 Differential Inputs
- Isolated Channel-to-Bus; Common Channel-to-Channel
- Autoscanning; Continuously Digitizes Inputs and Stores Results in Dual-Ported Data Registers
- Input Ranges from ±50 mV to ±10 V or 0 to 25 mA
- Jumper-Programmable Gains of x1, x10, x100
- Selectable A/D Ranges of ±5 V, ±10 V, 0 to +10 V
- 40 kHz Aggregate Conversion Rate
- Supports Real-Time Built-in-Test
- Input Connector Compatible with Discrete Wire Cables
- Selectable Data Coding; Offset Binary or Two's Complement
- Overvoltage Protected Inputs
- Low Pass Input Filters: 50 kHz, Optional 40 Hz
- Pull-Down Resistors Prevent Floating Inputs
- 1,500 V Channel-to-Bus Isolation
- Accepts Pluggable Barrier Strip Cable Connector with User Screw Interface
  - Connectors Are Latchable
- Applications
  - Instrumentation
  - Process Control
  - Data Acquisition
  - Voltage Measurement
  - Factory Automation
- Compatible with VMIC's Universal I/O Controllers (VMIVME-9300 Series)

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