9510 Isolated Multi-Function I/O Module

Specifications:
I/O Channels:
16 differential or 32 single ended analog inputs with 16 bit resolution
4 analog outputs with 16 bit resolution.
32 Digital I/O with 0-30V range and up to 500mA current sink per output.
A/D Conversion Rate: 300kHz. Clock may be supplied from on-board or external source.
Input Voltage Range: ±10V, ±5V, 0-10V.
Programmable Gain: 1, 2, 4, or 8.
Isolation: 1500V

VME Specifications
Meets VME Specifications Revision C.1 IEEE Std. 1014-1987
A24/A16:D32 BLT Slave
Address Modifier Code 29, 2D, 39, or 3D HEX.
1K consecutive byte locations, base address configurable within either the Standard or Short I/O space.
Board size: 6U

Power Requirements
+5 Volts @ 500mA
±12Volts @ 110mA

Environmental
Operating Temperature: -20 to 85 °C
Storage Temperature: -40 to 125 °C
Shock: 25g, 11ms on all axis

The 9510 Multi-Function I/O Module offers the following features:
The unit is a drop-in replacement for the Acromag® AVME9510.
16 bit resolution on analog inputs and outputs.
Interrupt Driven Scan Mode for A/D conversions.
A/D conversions may be triggered by
• write to software register
• external signal
• conversion timer register

All I/O’s are optically isolated from the VMEbus.
Conformal coating is standard on all units.
Conduction-cooled version available

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