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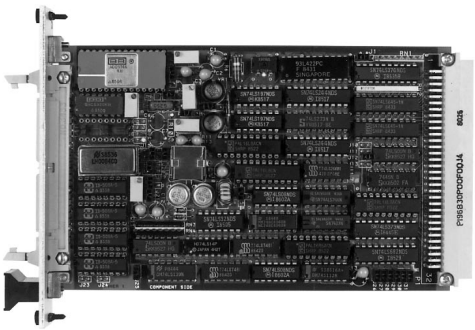
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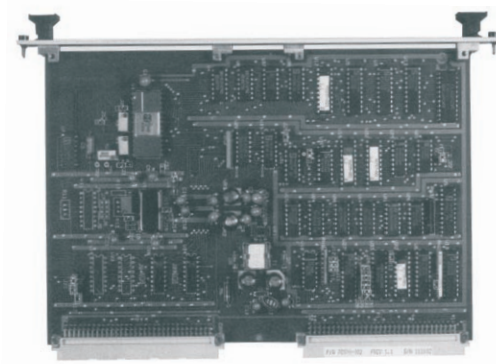
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Find the *Acromag / Xembedded / Xycom XVME-500/1* at our website: *Click HERE*

XVME-500



XVME-590



XVME-500/590 Analog Input Modules

FEATURES

- 16 SE/8 DI analog input channels
- 12-bit resolution
- Bipolar or unipolar input ranges
- High-speed option
- Compatible with Analog Devices signal conditioning equipment

APPLICATIONS

- Process control
- Machine control
- Temperature measurement
- Signal processing

The XVME-500 is a complete, single-high, VMEbus-compatible analog input module, capable of performing 12-bit A/D conversions on up to sixteen different input channels.

The XVME-500 supports unipolar and bipolar inputs. Voltage ranges include 0-10V, ±5V, and ±10V. Resistor-selectable gain ranges from 1 to 1000.

For applications not allowing I/O to be routed out the front panel, the XVME-590 offers the same functionality as the XVME-500. In a 6U form factor, the I/O is routed via the VMEbus P2 connector on the back of the board.

XYCOM VME

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PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0 to 65°C	-40 to 80°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Altitude	Sea level to 10,000 ft. (3048 m)	Sea level to 40,000 ft (12192 m)
Vibration 5 to 2000 Hz	.015" (.38 mm) peak-to-peak displacement 2.5 g (maximum) acceleration	.030" (.76 mm) peak-to-peak displacement 5.0 g (maximum) acceleration
Shock	30 g peak acceleration 11 msec duration	50 g peak acceleration 11 msec duration

Hardware

Power	+5V (±5%): 1.9 A, maximum / 1.6 A, typical
Input channels	Eight differential or sixteen single-ended
Input ranges	• Unipolar: 0-10V • Bipolar: ±5V and ±10V
Resistor-Selectable Gain	1, 10, 100, 1000 (on-board) or user-installed resistor
Maximum input voltage	20V
Input impedance	10 M ohm, minimum
Operating Common Mode Voltage	14V
Rejection Ratio	Common mode: 60dB, minimum
Resolution	12 bits
Linearity	±0.5 LSB
Differential Linearity	±0.5 LSB
Monotonicity	Guaranteed
Throughput	20 KHz

VMEbus Compliance

- Complies with VMEbus specification, IEEE 1014
- A16:D16/D08(EO) DTB Slave
- Interrupter - I(1)-(I7)(STAT), ROAK
- Interrupt Vector - D08(O)(DYN)
- Form factor (XVME-500) - SINGLE 6.5" × 3.94" (165.1 mm × 100.01 mm)
- Form factor (XVME-590) - DOUBLE 9.2" × 6.3" (233.35 mm × 160 mm)

ORDERING INFORMATION

Order Number	Description
XVME-500/1	Sixteen single-ended or eight differential inputs
XVME-500/4	Thirty two single-ended or sixteen differential inputs
XVME-590/1	6U version of the XVME-505/1 with I/O out the VMEbus P2 connector

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