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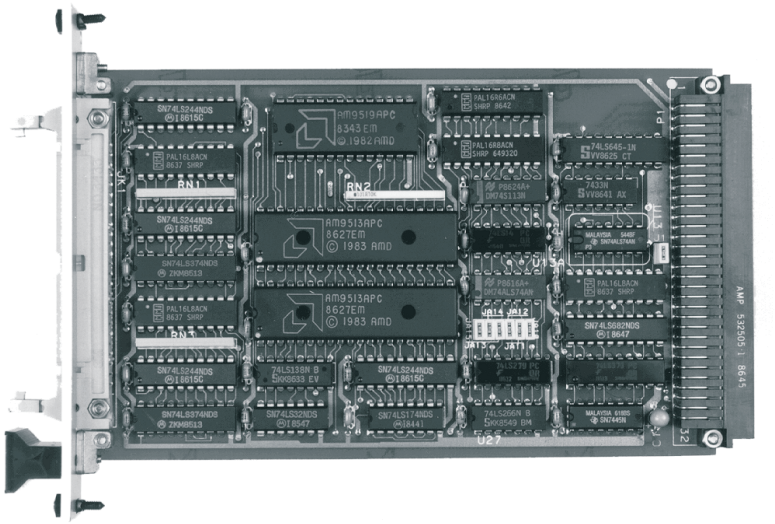
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Find the *Acromag / Xembedded / Xycom XVME-203* at our website: ***Click HERE***

XVME-203 Counter Module with Quadrature



FEATURES

- Single Eurocard (3U) size
- Counting rates up to 5 MHz
- Ten 16-bit counting channels
- Buffered inputs and outputs
- VMEbus interrupts

APPLICATIONS

- Translators for stepper motors
- Flow meters (turbine type)
- Voltage frequency converters
- Voltage-to-pulse width converters
- Duty-cycle control of heaters
- Quadrature encoders

The XVME-203 is a single-high, VMEbus-compatible board, using two AM9513A timer/counter devices to provide a total of ten 16-bit counting channels. The timer/counter devices are fully programmable and capable of counting at a rate of up to 5 MHz. In conjunction with the timer/counter devices, the XVME-203 employs an AM9519A Universal Interrupt Controller to provide a complete interrupt structure via eight interrupt channels. This interrupt structure allows for the selection of either a fixed interrupt vector for all eight channels or a separate vector for each individual channel.

The XVME-203 can also be used for quadrature detection. Advanced encoding circuitry allows the module to be used with as many as four quadrature transducers simultaneously.

Eight output channels are available to provide a variety of utility functions including: frequency output, one-shot output, frequency division, and pulse generation.

XYCOM

VME

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PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0° to 65° C (32° to 149° F)	-40° to 85° C (-40° to 185° F)
Humidity	5% to 95% RH, noncondensing	5% to 95% RH, noncondensing
Shock[a]	30g peak acceleration, 11 msec duration	50g peak acceleration, 11 msec duration
Vibration 5-2000 Hz[a]	.015" (.38 mm) peak-to-peak displacement, 2.5g maximum acceleration	.030" (.76 mm) peak-to-peak displacement, 5.0g maximum acceleration
Altitude	Sea level to 10,000 ft.(3048 m)	Sea level to 40,000 ft.(12192 m)

Hardware

Power Supply	+5 V DC @ 1.6A typical, 1.8A maximum
Channels	• Input: 10 sources (SRC) • Output: 8 • Interrupts: 8
Timer/Counter Device	(2) AM9513A
Interrupt Control Device	(2) AM9519A
Maximum Counting Device	5 MHz

Buffers	Low-Level Current	High-Level Current
Input	-200 uA	+20 uA
Output	+24 mA	-15 mA

VME Compliance

- Complies with VMEbus Specification IEEE 1014 Rev. C.1
- A16:D08(0) DTB Slave
- Interrupter - I(1)-I(7)(DYN), ROAK
- Interrupter vector D08(O)(DYN)
- Form factor: SINGLE 6.5" × 3.94" (165.1 mm × 100.01 mm)

ORDERING INFORMATION

Order Number	Description
XVME-202	Single-High PAMUX Controller Module
includes	6U front panel kit for the XVME-202

XycomVME, Inc.
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Saline, MI 48176
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Web site: www.xycomvme.com

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