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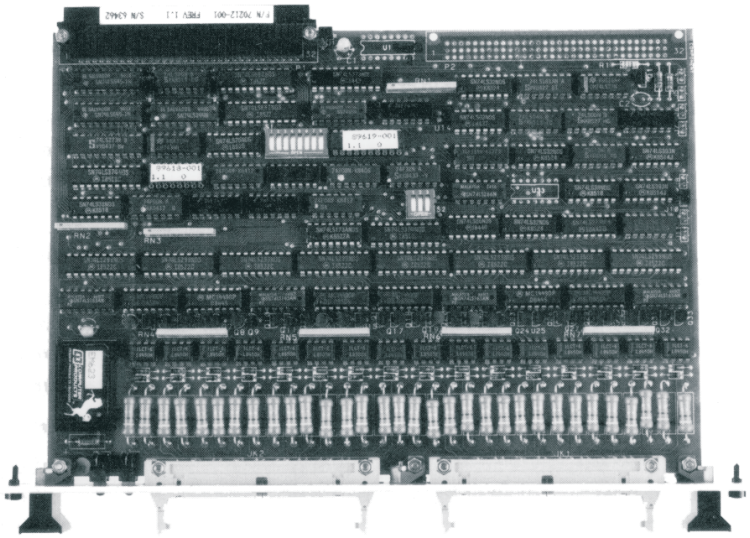
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Find the *Acromag / Xembedded / Xycom XVME-212/1* at our website: *Click HERE*

XVME-212 Digital Input Module



FEATURES

- 32 digital input channels
- Programmable scanner
- VMEbus interrupt capability
- Input debouncing circuitry
- 300 VDC optical isolation
- 50 VDC reverse bias protection
- Isolated 12-volt supply

APPLICATIONS

- Push buttons or panel switches
- Limit switches
- Proximity switches
- Photo-detector switches
- Pressure switches
- Alarm trips

The XVME-212 Digital Input Module provides 32 digital input channels. This module features programmable scanner circuitry that can detect a change-of-state on any of the 32 input channels. The XVME-212 eliminates the need for the host processor to constantly poll the digital I/O to obtain signal transition data. Upon an interrupt transition, the module can notify the host processor by generating a VMEbus interrupt.

This module is ideally suited for interfacing to pushbutton or relay contacts. It contains input debounce circuitry with eight jumper-selectable debounce intervals, and an isolated on-board 12 V supply. Also provided are 300 VDC of optical isolation and 50 VDC reverse bias protection. It will accept input voltages from 10-50 VDC.

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	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock	30g peak acceleration, 11 msec duration	50g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	.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	+5V ± 5%, 1.7A typical, 2.0A maximum
Channels	32
Maximum Input Frequency	3400 Hz
Input Voltage	• Logic 1: 10 to 50V DC • Logic 0: 0 to 1V DC
Isolation	• Channel-to-channel: 300V DC • Channel-to-VMEbus GND: 300V DC
Reverse Bias Protection	50V DC
Debounce Time[a]	4 µsec to 18 µsec

Minimum Detectable Pulse Width[b]	Typical	Highest
Positive Pulse	5-25 µsec	100 µsec
Negative pulse	150 µsec	600 µsec

Propagation Delay[b]	Typical	Highest
Off-to-on	5-25 µsec	100 µsec
On-to-off	150 µsec	600 µsec

[a] jumper-selectable
[b] fastest debounce selected

VME Compliance

- Complies with VMEbus Specification IEEE 1014 Rev. C.1
- A24/A16:D16/D08(EO) DTB slave
- Interrupter I (1)-I(7)(STAT), RORA
- Interrupt vector D08(O)(DYN)
- Utility signal SYSFAIL
- Form factor: DOUBLE 233.7 mm × 160.0 mm (9.2" × 6.3")

ORDERING INFORMATION

Order Number	Description
XVME-212/1	32-Channel Isolated Digital Input Module w/change-of-state detection (10-50 VDC inputs)

XycomVME, Inc.
710 N. Maple Rd.
Saline, MI 48176
Ph. 734.944.1942
Fax. 734.944.1999

Web site: www.xycomvme.com

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