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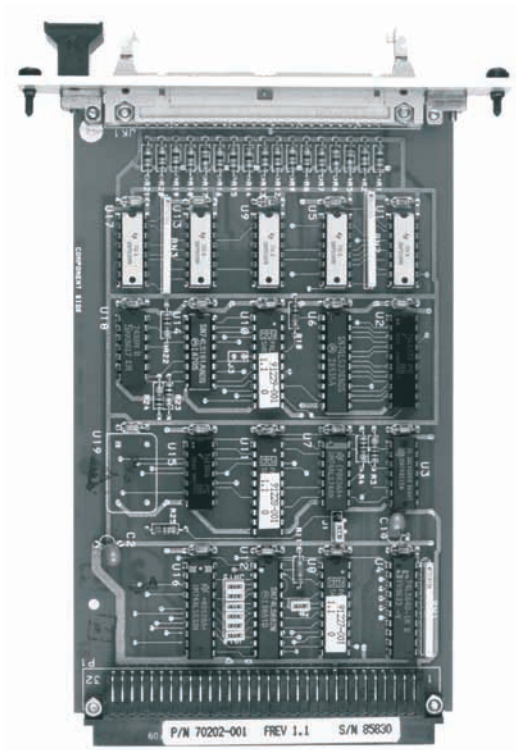
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# XVME-202 PAMUX Module



## FEATURES

- Directory compatible with the OPTO 22 line of PAMUX 4, 5, and 6 I/O systems
- Sixteen PAMUX units can be addressed from one XVME-202 module, providing up to 512 individual control points

## APPLICATIONS

- Robotics
- Numerical Control
- Conveyor Control
- Fault Detection Machinery

The XVME-202 PAMUX controller module is a single-high VMEbus-compatible interface to the PAMUX 4, 5, and 6 remote I/O products available from OPTO 22.

The PAMUX is a high-speed distributed I/O system which provides for connection to a VMEbus system through a Xycom XVME-202 module and a 50-conductor flat ribbon cable. The PAMUX system provides a family of Digital and Analog Intelligent Brain Boards that may be daisy-chained to provide a total of 500 I/O points. The PAMUX Brain Boards may be placed at distances up to 500 feet from the VMEbus master controller.

The XVME-202 board, when combined with the PAMUX equipment from OPTO 22, provides a high-performance remote I/O subsystem ideally suited for the VME environment.

X Y C O M  
V M E

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## PRODUCT SPECIFICATIONS AND RATINGS

### Environmental

	Operating	Nonoperating
<b>Thermal</b>	0° to 65° C (32° to 149° F)	-40° to 85° C (-40° to 185° F)
<b>Humidity</b>	20% to 95% RH, noncondensing	20% to 95% RH, noncondensing
<b>Shock<sup>a</sup></b>	30g peak acceleration, 11 msec duration	50g peak acceleration, 11 msec duration
<b>Vibration 5-2000 Hz<sup>a</sup></b>	.015" (.38 mm) peak-to-peak displacement, 2.5g maximum acceleration	.030" (.76 mm) peak-to-peak displacement, 5.0g maximum acceleration
<b>Altitude</b>	Sea level to 10,000 ft.(3048 m)	Sea level to 40,000 ft.(12192 m)

### Electrical

<b>Power Supply</b>	+5 V DC @ 1.6A typical, 1.8A maximum
<b>Compatibility</b>	OPTO 22 PAMUX 4, 5, 6 or OPTO 22 PAMUX 2 configuration for 8-bit use

VMEbus Access Times	Typical	Maximum
<b>DS0 asserted to DTACK asserted (read)</b>	2500 ns	2700 ns
<b>DS0 asserted to DTACK asserted (write)</b>	500 ns	600 ns
<b>DS0 negated to DTACK negated</b>	65 ns	100 ns

### VME Compliance

- Complies with VMEbus Specification IEEE 1014
- A16:D08(0) DTB Slave
- Base address jumper-selectable on 1 Kbyte boundaries within the VMEbus Short I/O address space
- Form Factor: XVME-202: SINGLE 6.5" × 3.94" (165.1 mm × 100.01 mm)

## ORDERING INFORMATION

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

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

Web site: [www.xycomvme.com](http://www.xycomvme.com)

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