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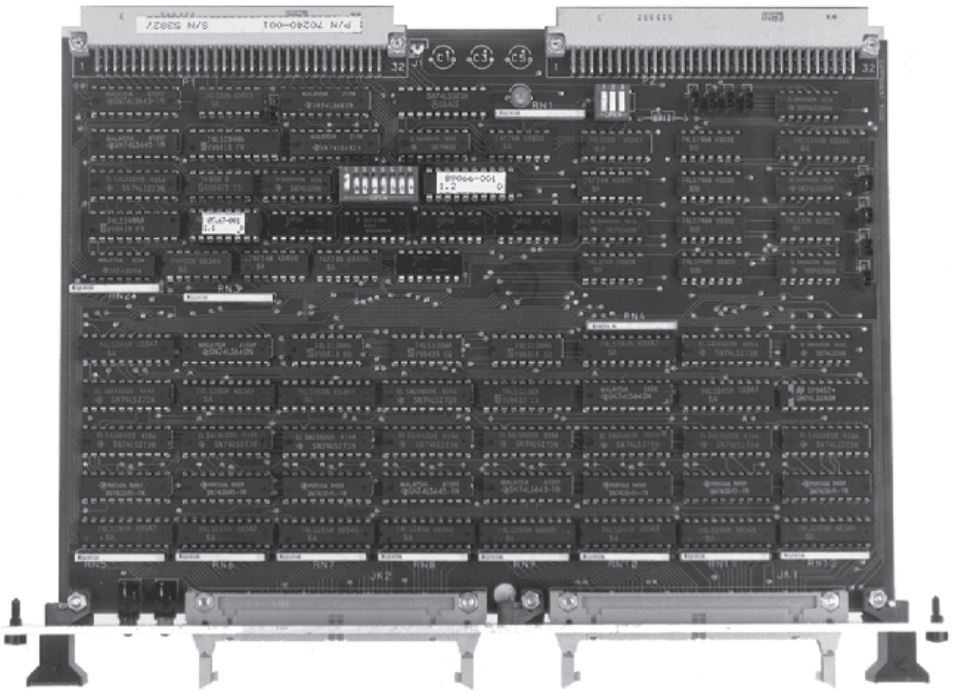
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Find the *Acromag / Xembedded / Xycom XVME-240* at our website: ***Click HERE***

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XVME-240
Digital Input/Output Module



Features

- 64-Channels (8 ports) of bidirectional TTL I/O
- 8- Channels of edge-selectable interrupt inputs with programmable mask
- 8- channels of flag outputs
- High density, low cost-per-channel

Applications

- Printers
- Interface to programmable controllers
- Thumbwheel switches
- Opto 22 I/O
- Computer interface
- Interface to other digital systems and subsystems
- Parallel port devices

Overview

The XVME-240 Digital Input/Output Module is an 80-channel, TTL-level, VMEbus-compatible I/O module. Sixty-four of these channels are arranged to form eight (byte-wide) bidirectional I/O ports. Each port can be separately programmed for either input or output by simply setting or clearing a single corresponding bit in the port direction register.

The XVME-240 provides eight interrupt input lines to allow externally-connected devices to generate VMEbus interrupts on any level. The user has the option to control whether the board will latch the interrupt input signals on the rising or falling edge. Each interrupt line is also maskable via a programmable interrupt mask register. In addition, the XVME-240 has eight flag output lines which can be employed as external interrupt acknowledge lines or as control signal lines to any externally-connected devices.

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Hardware Specifications

Input Characteristics– any input

High-level input voltage (V_{ih})	2.0 V min., 5.5 V max.
Low-level input voltage (V_{il})	0.8 V max.
Low-level input current (I_{il})	0.2 mA max.

Output Characteristics

Channel Outputs

Low-level output voltage (V_{ol})
I_{ol} = 48mA, 0.5 V max.
I_{ol} = 16mA, 0.4 V max.

Low-level output current (I_{ol}) 48mA max.

High-level output current (I_{oh})
V_{oh} = 2.4 V, 3mA, max.
V_{oh} = 2.0 V, 15mA, max.

Flag Outputs

Low-level output voltage (V_{ol})
I_{ol} = 24mA, 0.5 V max.
I_{ol} = 12mA, 0.4 V max.

Low-level output current (I_{ol}) 24mA max.

High-level output current (I_{oh})
V_{oh} = 2.4 V, 3mA, max.
V_{oh} = 2.0 V, 15mA, max.

Power Requirements	+5 V, typ. 2.7A
All channels- High outputs	+5 V, typ. 3.6A
All channels- Low outputs	+5 V, typ. 2.7A

Environmental Specifications

Temperature

Operating	0º to 65ºC (32º to 149ºF)
Non-operating	-40º to 85ºC (-40º to 185ºF)

Humidity

Operating	20 to 80% RH, non-condensing
Non-operating	20 to 90% RH, non-condensing

Altitude

Operating	Sea level to 10,000 ft. (3048 m)
Non-operating	Sea level to 40,000 ft (12192 m)

Vibration

Operating 5 to 2000 Hz
.015" (0.38 mm) peak-to-peak displacement
1.0 g (max.) acceleration

Non-operating 5 to 2000 Hz
.030" (0.76 mm) peak-to-peak displacement
2.5 g (max.) acceleration

Shock

Operating 30 g peak acceleration
11 msec duration

Non-operating 50 g peak acceleration
11 msec duration

VMEbus Compliance

- Complies with VMEbus Specification, IEEE 1014
- A24/A16:D16/D08(EO) DTB Slave
- Interrupter - I(1)-I(7)(STAT), RORA
- Interrupt vector - D08(O)(DYN)
- Utility signals - SYSFAIL
- Form Factor: DOUBLE
  233.7 mm × 160.0 mm (9.2" × 6.3")
- Conforms to XycomVME Standard I/O Architecture

Warranty Information

The XVME-240 carries a two-year parts and labor warranty.

Ordering Information

XVME-240 80-Channel Digital TTL I/O Module

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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