48-channel digital I/O module with fully buffered I/O lines.

Features

- **48 programmable I/O lines**
- **Fully buffered high-current TTL lines**
- **Rising/falling edge interrupt triggering**
- **Output status readback**
- **Opto 22 I/O rack plug compatible**
- **Jumper selectable interrupts**

Description

The PCM-3724 provides 48 fully buffered digital input/output lines. It features Intel 8255 Mode 0 software compatibility for use with all popular software drivers. The two 50-pin I/O connectors are plug compatible with Opto 22 type I/O racks.

The PCM-3724 provides the reliability of fully buffered inputs and outputs and high drive capacity at a cost comparable with non-buffered boards.

The module's 48 bits are divided into six 8-bit I/O ports. Each port is software configurable as an input or an output. Two hardware interrupt lines are also available.

Ordering Information

PCM-3724 . . . . 48-Channel Digital I/O Module
VL-HDW-101 . . . . Standoff Pkg. Metric Thread

* All required cables are included with card
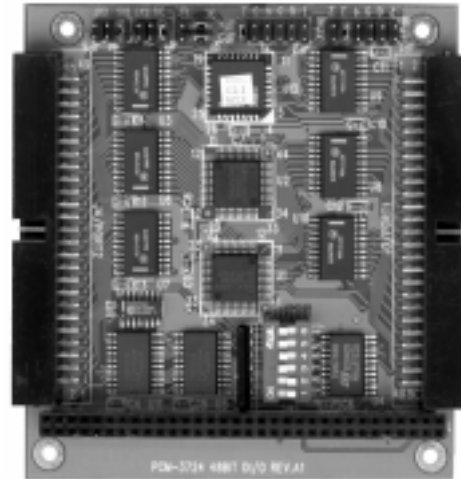
Specifications

Specifications are typical at 25°C with 5.0V supply unless otherwise noted.

Board Size:
  3.55" x 3.775" (PC/104 standard)
Storage Temperature:
  – 20° to +85° C
Free Air Operating Temperature:
  0° C to +60° C
Power requirement:
  +5V @ 90 ma typ.
Digital output
  Logic level 0:
  0.5V max. (@ 24 ma sink)
  Logic level 1:
  2.0V min. (@ 15 ma source)
Digital input
  Logic level 0:
  0.8V max.
  Logic level 1:
  2.0V min.
Connectors:
  Two Opto 22 compatible 50-pin .1" headers
Compatibility:
  PC/104
  Opto 22 type I/O racks

Specifications are subject to change without notice. PC/104 and the PC/104 logo are trademarks of the PC/104 Consortium.

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