

PIO-D96 PCI BUS 96-BIT OPTO-22 DIO BOARD



Functional Description

The PIO-D96 provides 96 TTL digital I/O lines. The PIO-D96 consists of four 24-bit bi-direction ports. Each 24-bit port supports three 8-bit groups A, B and C. Each 8-bit group can be configured to function as either inputs or latched outputs. All groups are configured as inputs upon power-up or reset. The PIO-D96 has one D-Sub connector and three 50-pin flatcable headers. Each header can connect to a 50 pin flat cable. The flat cable can be connected to ADP-50/PCI ADP-37/PCI or adapter. The adapter can be fixed on the chassis. It can be installed in a 5 V PCI bus and can support truly " Plug & Play".

Features

- PCI Bus, SMD, short card
- Connects directly to DB-24PD, DB-24RD, DB-24PRD, DB-16P8R, DB-24POR, DB-24SSR, DB-24C or any OPTO-22 compatible daughter board
- 96 digital I/O lines
- Interrupt source: 4 channels
- High output driving capability
- One D-Sub connector, three 50-pin flat-cable header

Applications

- Factory automation
- Laboratory automation
- Communication switching
- Industrial automation

Specifications

- All inputs are TL compatible Logic high voltage: 2.4V (Min.) Logic low voltage: 0.8V (Max.)
- All outputs are TTL compatible Sink current: 64 mA (Max.)
 Source current: 32 mA (Max.)
- Power consumption: +5V / 600mA

Environmental

- Operating Temperature: 0 to 60°C
- Storage Temp.: -20°C to 80 °C ■ Humidity: 0 to 90 %
- non-condensing
- Dimension: 180 mm x 105 mm

Software

- PCI-DIO Development Toolkit for DOS
- PCI-DIO Development Toolkit for Win95
- PCI-DIO Development Toolkit for WinNT

Order Description

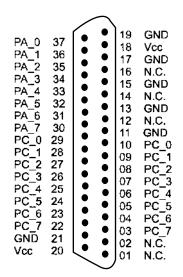
■ PIO-D96: PCI bus 96-bit opto-22 DIO board

Options

- DB-24PD: 24 channel isolated D/I board
- DB-24RD: 24 channel relay board
- DB-24PRD: 24 channel power relay board
- DB-16P8R:16 channel isolated D/I and 8 channel relay output board
- DB-24POR: 24 channel PhotoMos relay output board
- DB-24SSR: 24 channel Solid State relay output board
- DB-24C: 24 channel opencollector output board
- DN-37: I/O connector block with DIN-Rail mounting and two 37-pin D-sub connectors
- ADP-37/ PCI adapter: 50-pin opto-22 ports to DB-37 for PCI Bus I/O board
- ADP-50/PCI: Extender, extends 50-pin flat-cable connectors to PC slot windows, for PCI Bus I/O board

- PCI-DIO LabVIEW Development Toolkit for Win95
- PCI-DIO LabVIEW Development Toolkit for WinNT

Pin Assignment CN1



CN2, CN3 & CN4

PC 5 PC 5 PC 5 PC 5 PC 5 PC 5 PC 5 PC 5	1 3 5 7 9 11 3 5 7 11 11 11 11 11 11 11 11 11 11 11 11 1			2 4 6 8 10 12 14 16 18 20 22 4 6 8 10 12 14 16 18 20 22 4 26 28 03 23 4 6 8 4 04 4 4 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PA 2	43	•	•	-	
	-	•	•	46	
PA 0	47		٠	48	GND
Vcc	49	•	•	50	GND