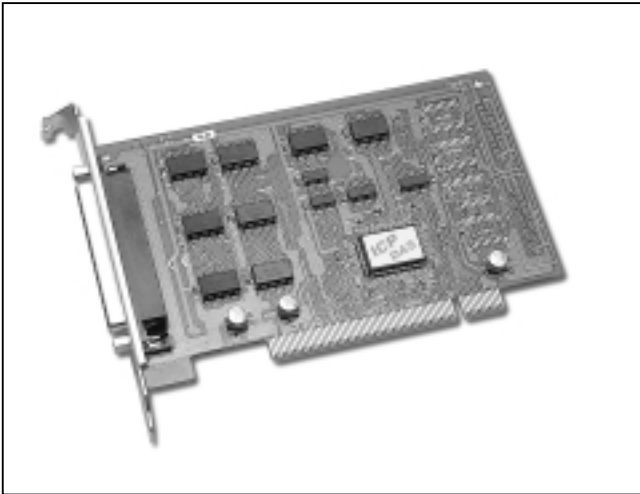




PIO-D24

PCI BUS 24-BIT OPTO-22 DIO Board



Functional Description

The PIO-D24 provides 24 TTL digital I/O lines. The PIO-D24 consists of 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-D24 has one D-Sub connector. It can be installed in a 5 V PCI bus and can support truly " Plug & Play".

Features

- PCI Bus
- Double side SMD, short card, power saving
- Connects directly to DB-24PD, DB-24RD, DB-24PRD, DB-16P8R, DB-24POR, DB-24SSR, DB-24C or any OPTO-22 compatible daughter board
- 24 digital I/O lines
- Interrupt source: 4 channels
- high output driving capability
- One D-Sub connector
- Automatically detected by Windows 95/98/NT
- No base address or IRQ switches to set

Applications

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

Specifications

- All inputs are TTL 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 / 420mA

Environmental

- Operating Temperature: 0 to 60°C
- Storage Temperature: -20°C to 80°C
- Humidity: 0 to 90% non-condensing
- Dimension: 143mm x 105mm

Software

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

Order Description

- PIO-D24: PCI bus 24-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 open-collector output board
- DN-37: I/O connector block with DIN-Rail mounting and two 37-pin D-sub connectors
- PCI-DIO LabVIEW Development Toolkit for Win95
- PCI-DIO LabVIEW Development Toolkit for WinNT

Pin Assignment

