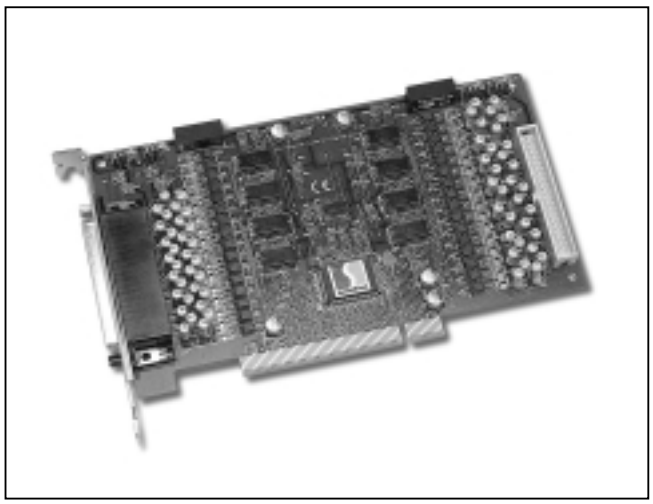
PISO-P64

64-Channel Optically Isolated Digital Input Board



Functional Description

The PISO-P64 has 64 channels of optically isolated digital inputs, arranged into four banks. Each input channel use a photo-coupler input which allows either internal isolated power supply or external power selected by jumper. Isolated input channels 0-15 are designed into group A, channels 16-31 are designed into group B, channels 32-47 are designed into group C and channels 48-63 are designed into group D. The power supply of the input port may use the external power or the power from the PC side using DC/DC converter.

The board interface to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The PISO-P64 has one 37-pin D-Sub connector and one 40-pin male header. The 40-pin to DB37 flat cable is used to fix with the case. The user can connect the digital signal through the second D-Sub connector. Each D-Sub connector contains 32 input channels.

Features

- 64-channel optically isolated digital input
- DC/DC converter build-in
- Four isolated bank
- 3000V DC isolation voltage

Applications

- Factory automation
- Product test
- Laboratory automation

Specifications

Isolation Input

- Type: Isolated current input
- Isolation Voltage: 3750V(Using external power); 3000V (Using internal Power)
- Input voltage: 3.5V to 30V
- Input impedance: 1.2K / 1W
- Response time: 1KHz Max

Power consumption: +5V/400mA

Environmental

- Operating Temperature: 0 to 50˚C
- Storage Temp.: -20˚C to 70 ˚C
- Humidity: 0 to 90 % non-condensing
- Dimension: 180 mm x 105 mm

Software

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

Order Description

- PISO-P64: 64 channel isolated digital inputs board

Options

- DB-37: Directly connect signals to the back of PISO-P64
- DN-37: I/O connector block with DIN-Rail mounting and 37-pin D-Sub connector
- PISO-DIO LabVIEW Development Toolkit for Win95
- PISO-DIO LabVIEW Development Toolkit for WinNT

Pin Assignment
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