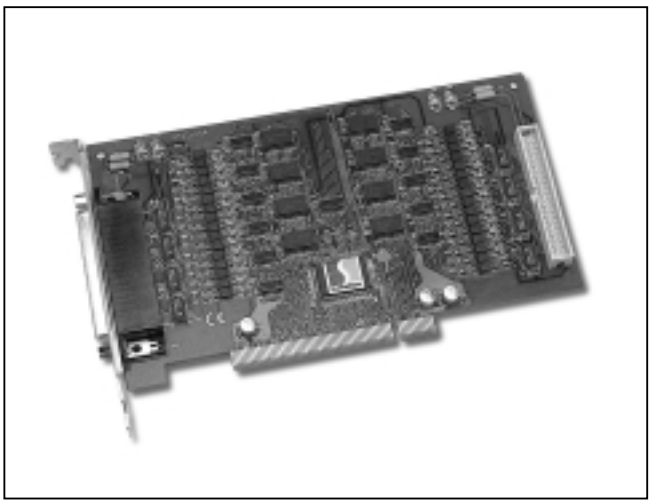
PISO-C64

64-Channel Optically Isolated Open-Collector Digital Output Board



Functional Description

The PISO-C64 is designed for use in PCI-Bus computers. The PISO-C64 has 64 channels of optically isolated digital outputs, arranged into four isolated banks. Each digital output offers a darlington transistor and integral suppression diode for inductive load. All isolated output channels are designed into group A, B, C and group D. The power supply for the output port should use the external power. The board interface to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The PISO-C64 has one 37-pin D-Sub connector and one 40-pin male header. The 40-pin to DB-37 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 output channels.

Features

- 64-channel optically isolated digital output /open collector
- Four isolated bank.
- 3000V DC isolation voltage

Applications

- Factory automation
- Product test
- Laboratory automation

Specifications

- Isolation Output
- Isolated open-collector: 125mA / each channel
- External voltage: 30V (Max.)
- Response time: 10KHz (Typical)
- Power consumption: +5V / 800mA

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

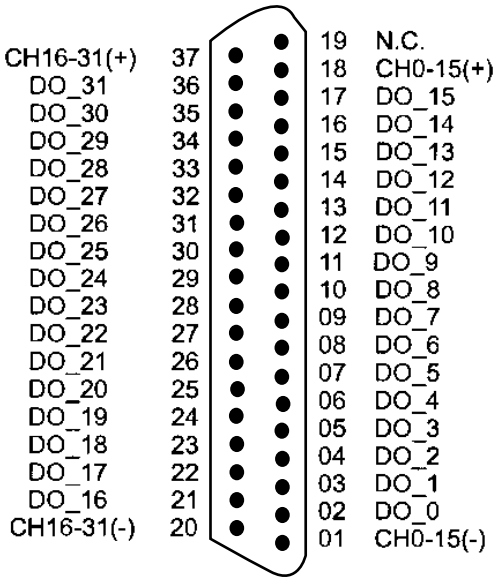
Order Description

- PISO-C64: 64-channel isolated digital outputs board

Options

- DB-37: Directly connect signals to the back of PISO-C64
- 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



Note:

CH0-15(+): Power input +

CH0-15(-): Power input -

CH16-31(+): Power input +

CH16-31(-): Power input -