PCI-7258

32-CH PhotoMos Relay Outputs & 2-CH Isolated DI Card



Features

- **Supports a 32-Bit 3.3 V or 5 V PCI bus**
- **32-CH long-life PhotoMos relay outputs**
- **Relay output status read back**
- **1500 Vrms optical isolation for relay outputs**
- **Onboard LED indicators for relay status**
- **Onboard connectors for external LED connection**
- **Onboard relay driving circuits**
- **2-CH isolated digital inputs**
- **Two external interrupt sources**
- **2500 Vrms optical isolation for digital inputs**
- **Compact, half-size PCB**
- **Board ID**

Supported Operating System

• Windows 7/8 x64/x86, Linux

Driver and SDK

• LabVIEW, MATLAB, C/C++, Visual Basic, Visual Studio.NET

Software Utility

• AD-Logger

Specifications

Relay Output

- Number of channels: 32
- Relay type: PhotoMos SPST (Form A)
- Load voltage (peak AC): 350 V
- Continuous load current: 0.12 A
- Peak load current: 0.3 A
- Maximum switching power: 300 mW
- Isolation voltage: 1500 Vrms
- Output turn-on resistance: 17 Ω typical
- Output off-state leakage current: 1 μA maximum
- Turn-on time: 0.23 ms typical
- Turn-off time: 0.04 ms typical
- Data transfers: programmed I/O

Isolated Digital Input

- Number of channels: 2
- Maximum input range: 24 V, non-polarity
- Digital logic levels
  - 0-24 V, non-polarity
  - Input high voltage: 5-24 V
  - Input low voltage: 0-1.5 V
- Input resistance: 2.4 kΩ @ 0.5 W
- Isolation voltage: 2500 Vrms
- Interrupt sources: digital input channel 0 and 1
- Data transfers: programmed I/O

General Specifications

- I/O connector: 68-pin SCSI-II female
- Operating temperature: 0°C to 60°C (32°F to 140°F)
- Storage temperature: -20°C to 80°C (-4°F to 176°F)
- Relative humidity: 5% to 95%, non-condensing
- Power requirements

+5 V
380 mA max.

- Dimensions (not including connectors)
  175 mm x 107 mm (6.82" x 4.17")

Terminal Boards & Cables

DIN-68S-01

Terminal Board with One 68-pin SCSI-II Connector and DIN-Rail Mounting (Cables are not included.)

ACL-10569-1

68-pin SCSI-II cable (mating with AMP-787082-7), 1 M

*** For more information on mating cables, please refer to P3-48/49.**

Ordering Information

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