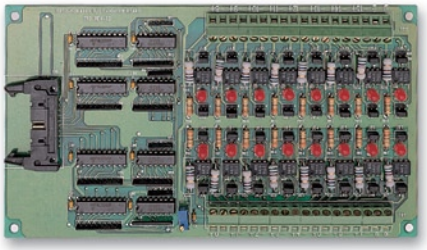
ACLD-9182A-01

Terminal Board with 16-CH Isolated Digital Inputs



Specifications

- Isolated Digital Input
  - Number of Channels: 16
  - Maximum Input Range: 24 V, non-polarity
  - Digital Logic Levels
    - ♦ 0 to 24 V, non-polarity
      - * Input High Voltage: 5 to 24 V
      - * Input Low Voltage: 0 to 0.7 V
    - ♦ Input Resistance: 560 Ω @ 1 W
    - ♦ Isolation Voltage: 2500 VRMS
- I/O Connector: 20-pin ribbon male
- Operating Temperature: 0°C to +60°C
- Storage Temperature: -20°C to +80°C
- Relative Humidity: 5% to 95%, non-condensing
- Dimensions: 205 mm x 114 mm

Ordering Information

■ **ACLD-9182A-01**
Terminal board with 16-CH isolated digital inputs

■ **Accessories**
- Cabling
  ACL-10120-1: 20-pin flat cable, 1 M
  ACL-10220-1: 20-pin shielded and grounded cable, 1 M

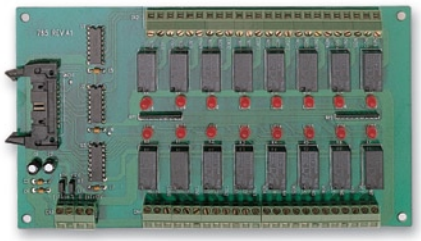
Contact your sales representative for cable length options.

Features

- 16-CH opto-isolated digital inputs
- For use with 20-pin ribbon digital input connector of NuDAQ cards
- Non-polarity digital input range
- Isolated input voltage up to 24 V
- 5000 VRMS optical isolation
- Jumper configurable for voltage input or dry-contact input mode
- LED indicator for input status
- Screw terminals for easy field wiring

ACLD-9185-01

Terminal Board with 16-CH Relay Outputs



Specifications

- Relay Output
  - Number of Channels: 16
  - Relay Type: SPDT (Form C)
  - Isolation Voltage: 1500 VRMS
  - Contact Rating
    - ♦ AC: 120 V @ 0.5 A
    - ♦ DC: 24 V @ 1 A
  - Breakdown Voltage: 1000 VRMS
  - Contact Resistance: 100 mΩ
  - Relay ON/OFF time
    - ♦ Operate Time: 6 ms
    - ♦ Release Time: 3 ms
  - LED Indicators for Relay Status: one per channel
  - Expected Life:
    - ♦ > 5 x 10^5 operations @ 1 A, 24 VDC
    - ♦ > 2 x 10^5 operations @ 0.5 A, 120 VAC
- I/O Connector: 20-pin ribbon male
- Operating Temperature: 0°C to +60°C
- Storage Temperature: -20°C to +80°C
- Relative Humidity: 5% to 95%, non-condensing
- Power Consumption:

+5 V	+12 V
200 mA maximum	528 mA maximum

- Dimensions: 205 mm x 114 mm

Ordering Information

■ **DIN-96DO-01**
96-CH isolated DO terminal board with DIN-rail mounting

■ **Accessory**
- Cabling
  ACL-102100-1: 100-p in SCSI-II cable, 1 M

Contact your sales representative for cable length options.

Features

- 16-CH single-pole, double-throw (SPDT form C) relay outputs
- For use with 20-pin digital input connector of NuDAQ cards
- Maximum switching voltage up to 60 VDC/120 VAC
- Maximum switching current up to 1 ADC/AC
- Onboard relay driver circuitry
- LED indicators for relay status
- Screw terminals for easy field wiring

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