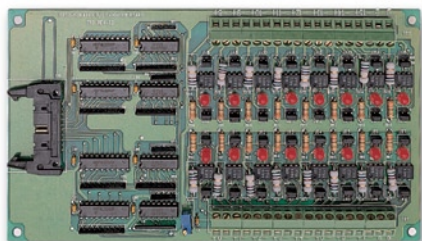


# ACLD-9182A-01

## 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  $\Omega$  @ 1 W
  - ◆ Isolation Voltage: 2500 V<sub>RMS</sub>
- 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

### 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 V<sub>RMS</sub> optical isolation
- Jumper configurable for voltage input or dry-contact input mode
- LED indicator for input status
- Screw terminals for easy field wiring

### Ordering Information

#### ■ ACLD-9182A-01

Terminal board with 16-CH isolated digital inputs

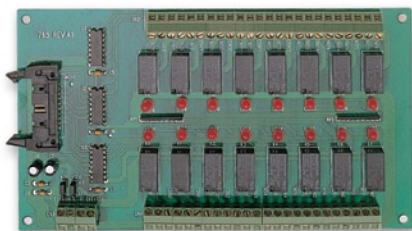
#### ■ Accessories

- 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.

# 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 V<sub>RMS</sub>
  - Contact Rating
    - ◆ AC: 120 V @ 0.5 A
    - ◆ DC: 24 V @ 1 A
  - Breakdown Voltage: 1000 V<sub>RMS</sub>
  - Contact Resistance: 100 m $\Omega$
  - 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<sup>5</sup> operations @ 1 A, 24 V<sub>DC</sub>
    - ◆ > 2 x 10<sup>5</sup> operations @ 0.5 A, 120 V<sub>AC</sub>
- 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

### 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 V<sub>DC</sub>/120 V<sub>AC</sub>
- Maximum switching current up to 1 A<sub>DC</sub>/AC
- Onboard relay driver circuitry
- LED indicators for relay status
- Screw terminals for easy field wiring

### 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.

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