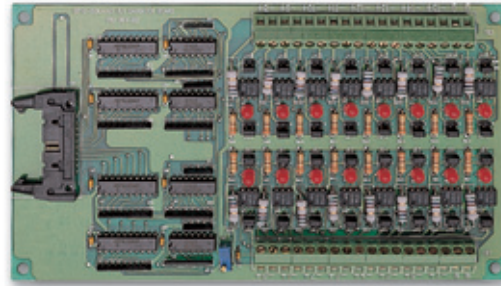


ACLD-9182A-01

Termination Board with 16-CH Isolated Digital Inputs

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



Specifications

- Isolated Digital Input
 - Number of channels: 16
 - Maximum input range: 24 V, non-polarity
 - Digital logic levels
 - ❖ 0-24V, non-polarity
 - ❖ Input high voltage: 5-24 V
 - ❖ Input low voltage: 0-0.7 V
- Input Resistance: 560 Ω @ 1 W
- Isolation voltage: 2500 VRMS
- I/O Connector: 20-pin ribbon male
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 to 80 °C
- Relative humidity: 5 to 95%, non-condensing
- Dimensions: 205 mm x 114 mm

Ordering Information

- **ACLD-9182A-01⁽¹⁾**
Termination Board with 16-CH Isolated Digital Inputs
- **Accessory**
 - **Mating Cable⁽²⁾**
ACL-10120-1: 20-Pin Flat Cable, 1 M

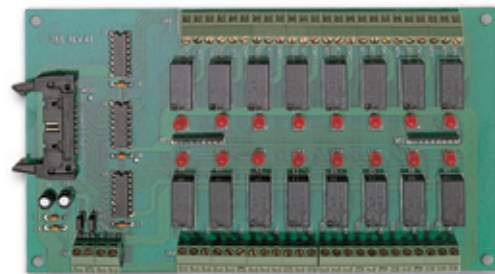
Note:
 (1) Cables are not included
 (2) For various length options, please contact local agents.

ACLD-9185-01

Termination Board with 16-CH Relay Outputs

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



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 10⁵ operations @ 1 A, 24 Vdc
 - > 2 x 10⁵ operations @ 0.5 A, 120 Vac
- I/O Connector: 20-pin ribbon male
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 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

- **ACLD-9185-01⁽¹⁾**
Termination Board with 16-CH Relay Outputs
- **Accessory**
 - **Mating Cable⁽²⁾**
ACL-10120-1: 20-Pin Flat Cable, 1 M

Note:
 (1) Cables are not included
 (2) For various length options, please contact local agents.

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