PCLD-782/B PCLD-785/B **PCLD-885**

16/24-ch Relay Board

16-ch Power Relay Board



PCLD-782/B

Features

- Compatible with all PC-LabCard[™] products with DI channels on either 20-pin flat cable or 50-pin Opto-22 compatible connectors
- 16 or 24 optically-isolated digital input channels
- Built-in screw terminals for easy input wiring
- LEDs indicate input logic status
- Inputs buffered with voltage comparators

Specifications

Isolated Digital Input

- Channels PCLD-782: 16 PCLD-782B: 24

 $0 \sim 24 V_{DC}$

1,500 Vpc min.

surface mounting

16-ch Isolated DI Board w/

24-ch IDI Board w/ 20-pin

1m 20-pin Flat Cable

& 50-pin Flat Cables

- Input Range
- Input Resistance 560Ω
- Isolation Voltages
- Threshold Voltage 1.5 V_{DC} (VR adjustable)

General

- DI Connectors Screw terminals (#12 ~ 22 AWG) Controller Connector PCLD-782: 1 x 20-pin box header (CN1) PCLD-782B: 1 x 20-pin box header (CN1) and 1 x 50-pin box header (CN2) Dimensions (L x W) PCLD-782: 3U- 205 x 114 mm (8.1" x 4.5") PCLD-782B: 4U- 220 x 132 mm (8.7" x 5.2") Indicates input logic status LED Indicators Mounting 4 x screw holes for flat
- **Ordering Information**
- PCLD-782
- PCLD-782B

Accessories

20-pin Flat Cable, 1 m
20-pin Flat Cable, 2 m
50-pin Flat Cable, 1.2 m

All product specifications are subject to change without notice



Features

- Compatible with PC-LabCard™ products with 20-pin digital output connector and 50-pin Opto-22 digital output connector (PCLD-785B only)
- Automatic selection of control logic (PLCD-785B only): Negative logic for the Opto-22 connector Positive logic for the 20-pin flat cable connector
- Screw terminals for easy output wiring
- LED status indicators

Specifications

Relav

- Channels
- Contact Ratings
- **Contact Resistance**
- **Operation Time**
- Insulation Resist. .
- Life Expectancy
- Relay Type
- Release Time
- Power Consumption

12 V supply

- PCLD-785
- PCLD-785B

Accessories

- PCL-10120-1E PCL-10120-2E
- PCL-10150-1.2E

PCLD-885 RoHS

Features

- Accepts 20-pin or 50-pin (Opto-22 compatible) connectors
- 16 single-pole single-throw (SPST) relays
- High-power relay handles up to 6 A @ 250 V_{AC}
- Onboard varistors protect all relay contact points
- Industrial screw terminals for ease of wiring
- LED status indicators
- 5 V/ 12 V power/status LED indicator

Specifications

Relay

- Channels 16 Contact Rating 250 V_{AC} @ 6 A $30 V_{\text{DC}} @ 5 A$ Contact Resistance $30 \text{ m}\Omega$ max. Insulation Resist. 1,000 MΩ @ 500 V_{DC} Life Expectancy >100,000 cycles at rated load Relay On Time 6 ms max. Relay Off Time 3 ms max. Relay Type SPST (Form A), normally open Varister Clamping Voltage 760 V (10 A) Max. Peak Current 1,200 A for 8 msec.
- Max. Applied Voltage 300 V_{RMS} AC continuous
- Varistor Voltage 470 V (current = 1 mA)

General

- Power Consumption 12 V @ 22 mA for each relay, 352 mA if all relays energized 5 V @ 200 mA max. Connectors Input: 20-pin flat cable or 50-pin Opto-22 compatible Output: Barrier strip screw terminal Dimensions (L x W) 205 x 114 mm (8" x 4.5") 0~60°C (32~140°F)
- Operating Temp.

Ordering Information

PCLD-885

16-ch Power Relay Board w/ 20p & 50p Flat Cables

Online Download www.advantech.com/products

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General Dimensions (L x W) Power Input

20-pin conn.) 24 (CN2, 50-pin conn.) 120 V_{AC} @ 0.5 A, 30 V_{DC} @ 1 A < 100 m Ω 5 ms max.

 $100 M\Omega$ $5 \ x \ 10^5 \ @ \ 110 \ V_{AC} \ /0.3 \ A$ 5 x 105 @ 24 V_{DC} /1.25 A SPDT (Single-Pole Double-

PCLD-785: 16 (CN1, 20-

pin conn.) PCLD-785B: 16 (CN1,

Throw) Form C 5 ms max.

PCLD-785: 114x220 mm PCLD-785B: 132x220 mm 5 V @ < 100 mA; 12 V @ 33 mA for each relay 20-pin connector: 5 Vnc: Jumper select PC bus or external supply 12 VDC: Jumper select PC bus or external supply 50-pin connector: external

1m 20-pin Flat Cable 24-ch Relay Board w/ 20-pin & 50-pin Flat Cables



20-pin Flat Cable, 1 m 20-pin Flat Cable. 2 m

50-pin Flat Cable, 1.2 m