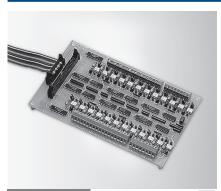
PCLD-885

16/24-ch Relay Board

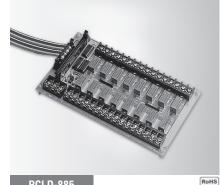
16-ch Power Relay Board











PCLD-885

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

 Unanneis 	PULD-782: 10
	PCLD-782B: 24
Input Range	$0 \sim 24 V_{DC}$
 Input Resistance 	560Ω
 Isolation Voltages 	1,500 V _{DC} min.
 Threshold Voltage 	1.5 V _{DC} (VR adjustable)
General	

DCLD 700, 16

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")
•	LED Indicators	Indicates input logic status

Ordering Information

PCLD-782	16-ch Isolated DI Board w 1m 20-pin Flat Cable
PCLD-782B	24-ch IDI Board w/ 20-pin & 50-pin Flat Cables

4 x screw holes for flat

surface mounting

Accessories

Mounting

MUUUSSUIIUS	
PCL-10120-1E	20-pin Flat Cable, 1 m
PCL-10120-2E	20-pin Flat Cable, 2 m
PCL-10150-1.2E	50-pin Flat Cable, 1.2 m

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

	pin conn.) PCLD-785B: 16 (CN1, 20-pin conn.) 24 (CN2, 50-pin conn.)
 Contact Ratings 	120 V_{AC} @ 0.5 A, 30 V_{DC} @ 1 A
 Contact Resistance 	$<$ 100 m Ω
 Operation Time 	5 ms max.
 Insulation Resist. 	100 MΩ
 Life Expectancy 	5 x 10 ⁵ @ 110 V _{AC} /0.3 A 5 x 10 ⁵ @ 24 V _{DC} /1.25 A
Relay Type	SPDT (Single-Pole Double- Throw) Form C
 Release Time 	5 ms max.
General Dimensions (L x W)	PCLD-785: 114x220 mm

PCLD-785: 16 (CN1, 20-

PCLD-785B: 132x220 mm 5 V @ < 100 mA; 12 V @ Power Consumption 33 mA for each relay 20-pin connector: 5 Vnc: Power Input Jumper select PC bus or external supply 12 V_{DC}: Jumper select PC bus or external supply 50-pin connector: external 12 V supply

Ordering Information

 PCLD-785 16-ch Relay Board w/ One 1m 20-pin Flat Cable 24-ch Relay Board w/ 20-pin & 50-pin Flat Cables PCLD-785B

Accessories

PCL-10120-1E 20-pin Flat Cable, 1 m PCL-10120-2E 20-pin Flat Cable, 2 m PCL-10150-1.2E 50-pin Flat Cable, 1.2 m

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 _{DC} @ 5 A
 Contact Resistance 	$30 \text{ m}\Omega$ max.
 Insulation Resist. 	$1,000~{\rm M}\Omega~@~500~{\rm V}_{\rm DC}$
 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

760 V (10 A) Clamping Voltage 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

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

Ordering Information

 PCLD-885 16-ch Power Relay Board w/ 20p & 50p Flat Cables