



Description

The PCI-32REL and PCI-32REL-B are the same short 6.60 inch PCI board solution for digital control where on board relays are required such as in test equipment, instrumentation, process control, satellite/microwave network control, audio switching and analog multiplexing. The reed relays are more reliable compared to electro-mechanical relays in applications of high switch count.

The PCI-32REL comes with shielded dual breakout cable to two DB37 male connectors that each has the same pin-outs as the PCI-16REL allowing the user double the number of relays while taking up only a single PCI slot. The PCI-32REL-B comes with a different shielded dual breakout cable to two DB37 female connectors that each has the same pin-outs as our popular ISA 32REL-B. This option has all the A-side of the relays on one DB37 connector and the B-side of the relays on the second DB37 which allows users that only need the A-side of each relay the need to buy only a single termination board if B-side is not used in the application. This also allows a smooth upgrade using the same cabling for those changing from our ISA 32REL-B to the PCI bus.

Features

- 32 REED relay outputs (10VA resistive load)
- Two DB-37 connectors for all 32 outputs
- Non-destructive read-back capability
- PCI-32REL: Two DB-37 males with same pin-out as PCI-16REL
- PCI-32REL-B: Two DB-37 females with same pin-out as 32REL-B
- Power and ground provided on connector
- Plug-n-Play
- PCI 2.1 compliant, (seen past bridge)
- DOS, Windows 98/NT/2000 I/O support

Support

- Superior pre-sales and post-sales technical support
- All products carry a two year warranty

Cabling Options

The PCI-32REL included cables can be plugged into two STB37 snap track termination boards with the use of a couple simple gender changers GC37PF. For those using the UTB-K termination board with enclosed metal box a couple C1800 ribbon cables can be used instead of the GC37PF to allow extension of included cables into enclosure. The PCI-32REL-B included cables can be plugged directly into one or two STB37 termination boards directly depending on whether B side of relay use is required by the application. If the UTB-K termination board and metal enclosure kit is used, C1900 cables will be required to extend and adapt existing cables into the enclosure. The PCI-32REL is both pin-out and software equivalent to the PCI-16REL and to the output half of the PCI-DIO32. The PCI-32REL-B is software equivalent to the PCI-32REL but with the pin-outs of the ISA 32REL-B.



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800-523-2320

Channels

32 Outputs

Arrangement

SPST relays

Resistance

150 milliOhm max (initial)

Life Expectancy200M Operations (low load)
100M Operations (max load)**Maximum Switching Power**

10VA, Resistive Load

Maximum Switching Current

0.5A

Maximum Carry Current

1.0A

Maximum Speed

600Hz

Maximum Contact Voltage

100V DC or AC

Shock & Vibration

20 G

Power Required

+5 VAC @ 0.56A

I/O Addressing

Plug-n-Play auto selection (no address switches required)

Interrupts1 interrupt per card on PCI if required
(polling needs no interrupts)**Bus Interface**

PCI, PCI Specification 2.1, works past PCI bridge

ConnectorsPCI-32REL -Two 37-pin DB males on included dual shielded cable
PCI-32REL-B-Two 37-pin DB females on included dual shielded cable**Dimensions**

Width

16.764cm (app. 6.60")

Height

10.668cm (4.2") with goldfingers

9.8425cm (3.875") excluding goldfingers

Weight

7.2 oz (204.117g)

Operation Temperatures

0 ° to 50 °C

Storage Temperature

-20 ° to 70 °C

Maximum humidity

10 to 90% RHNC

MTBF

>150,000Hrs (calculated)

CertificationsFCC Class A (47 CFR Part 15, Subpart B)
CE Conformity with:
EU EMC Directive 89/336/EEC
EU Low Voltage Directive 72/23/EEC
EN 61000-3-2: 1995 Electromagnetic Compatibility, Harmonic Emissions
EN 61000-2-3: 1995 Electromagnetic Compatibility, Voltage Flicker**OS Support**Dos on separate driver/examples disk
Windows 98/NT, Windows 2000 full I/O support**Ordering Guide****PCI-32REL**Board, Dual DB37P shielded cable ,
Documentation CD, & Software CD.**PCI-32REL-B**Board, Dual DB37F shielded cable,
Documentation CD & Software CD.**Accessories****C1800**18" (457mm) cable, female to female
(extension for PCI-32REL)**C1900**18" (457mm) cable, male to female
(extension for PCI-32REL_B)**GC37PF**Gender changer, female to female (adapts
PCI-32REL to STB37)**STB37**

Screw termination board

2TK2D-66 Inch Section of SNAPTRAK (for mounting
STB37)**UTB-K**Universal Termination Board Kit with UTB &
UTB-B**Corporate Headquarters**ICS Advent
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