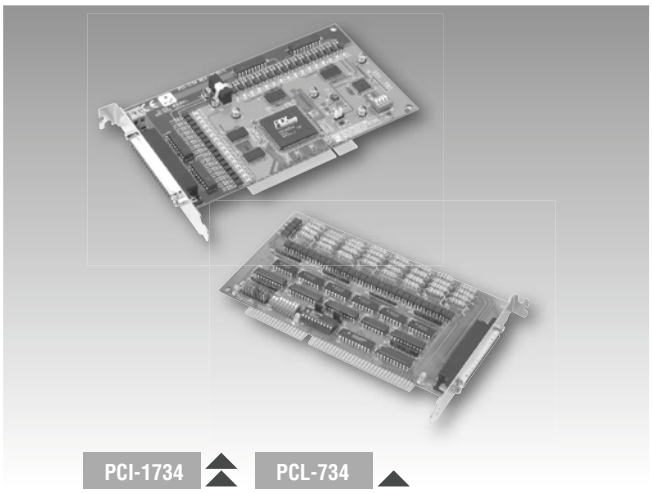
PCI-1734
PCL-734

32-ch Isolated Digital Output Card with PCI Interface

32-ch Isolated Digital Output Card with ISA Interface



Features

- 32 isolated digital output channels
- High output driving capacity
- High-voltage isolation on output channels
- High sink current on isolated output channels (200 mA/channel)
- Integral suppression diodes for inductive loads
- Wide output range (5 ~ 40 V_{DC})
- D-type connectors for isolated output channels

Specifications

Isolated Digital Output

- **Channels** 32 (16-ch/group)
- **Output Type** Sink (NPN)
- **Isolation Protection** PCI-1734: 2,500 V_{DC}
  PCL-734: 1,000 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 200 mA max./channel
- **Opto-Isolator Response** PCL-734: 100 µs
  PCI-1734: 25 µs

General

- **Bus Type** PCI-1734: PCI V2.2
  PCL-734: ISA
- **I/O Connector Type** 37-pin D-type female
- **Dimensions (L x H)** PCL-734: 185 x 100 mm (7.3" x 3.9")
  PCI-1734: 175 x 100 mm (6.9" x 3.9")
- **Power Consumption**
  PCL-734: Typical: 5 V @ 330 mA
  Max: 5 V @ 500 mA
  PCI-1734: Typical: 5 V @ 150 mA, 12 V @ 15 mA
  Max: 5 V @ 250 mA, 12 V @ 25 mA
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storing Temperature** PCL-734: -20~70° C(-4~158° F)
  PCI-1734: -25 ~ 85° C (-13 ~ 185° F)
- **Storing Humidity** 5 ~ 95% (IEC 68-2-3)
  non-condensing

Ordering Information

- **PCI-1734** 32-channel isolated digital PCI output card, user manual and driver CD-ROM (cable not included)
- **PCL-734** 32-channel isolated digital ISA output card, user manual and driver CD-ROM (cable not included)
- **PCL-10137-2** DB37 cable assembly, 2 m
- **PCL-10137-3** DB37 cable assembly, 3 m
- **PCLD-780** Universal screw terminal board
- **PCLD-880** Universal screw terminal board
- **ADAM-3937** DB37 wiring terminal for DIN-rail mounting

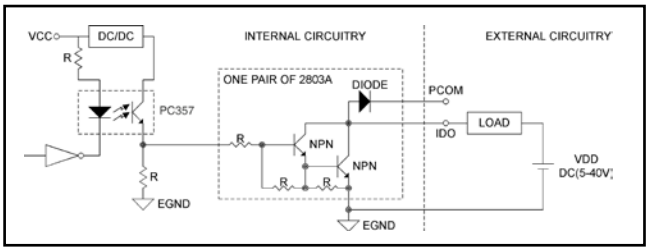
Applications

- Industrial On/Off control
- Contact closure monitoring
- Switch status sensing
- BCD interfacing
- Digital input control
- Industrial and lab automation

Pin Assignments

CN1 of PCI-1734

IDO0	1	20	IDO1
IDO2	2	21	IDO3
IDO4	3	22	IDO5
IDO6	4	23	IDO7
PCOM1	5	24	IDO8
IDO9	6	25	IDO10
IDO11	7	26	IDO12
IDO13	8	27	IDO14
IDO15	9	28	PCOM2
IDO16	10	29	IDO17
IDO18	11	30	IDO19
IDO20	12	31	IDO21
IDO22	13	32	IDO23
PCOM3	14	33	IDO24
IDO25	15	34	IDO26
IDO27	16	35	IDO28
IDO29	17	36	IDO30
IDO31	18	37	PCOM4
E.GND	19		



Isolated Output Circuit Diagram