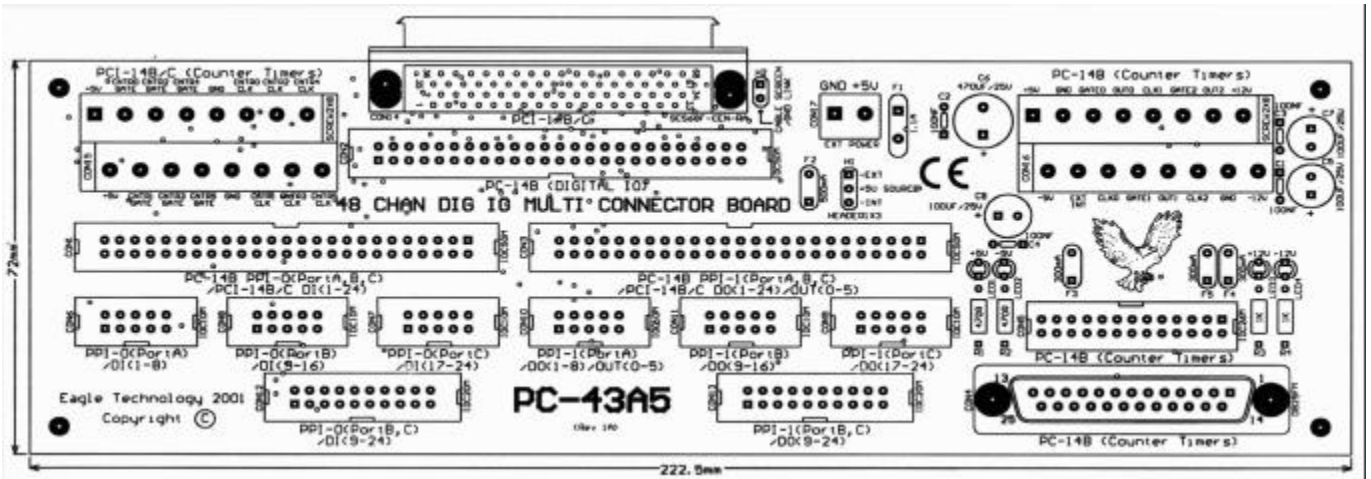


# PC-43A5 48 CHANNEL MULTI-I/O CONNECTOR & COUNTER TIMER MODULE

## Features

- 48 Digital Input / Output Channels (Connected to the host DAQ PC Card's DIO).
- 3 & 6 Digital Input / Output Counter Timer Channels (Connected to the host DAQ PC Card's 3 or 6 User Counter Timers).
- For use with PCI-14B/C (SCSI II 68F Cent) & PC-14B Digital I/O (IDC-50M) & (IDC-26M/DB-25F), using 1:1 cables.
- "SCSI II 68F Cent Connector's Cable Screen / DGND" linking jumper.
- Internal / External (+5V) power input is jumper selectable (1.1A resettable fuse for PSU protection).
- LEDs and Resettable Fusing for +/-5V and +/-12V outputs
- High quality screw terminals for easy field wiring.
- There are four 3.2mm diameter holes for mounting or a DIN-RAIL Mounting Base may be fitted (recommended for quick hassle free installations).

## PC-43A5



### Digital Input / Output Multi-I/O Connector Description

#### PCI-14B/C

- 24 Digital Input Connectors: 1
  - DI utilised: PCI-14B/C DI(1-24)
  - For use with: ADPT-5050; ADPT-5050 SCSI Cent; PC-43C & PC-51-24
  - Access via: PC-14B PPI-0(PortA,B,C) / PCI-14B/C DI(1-24) IDC50M Connector
- 16 Digital Input Connectors: 1
  - DI utilised: DI(9-24)
  - For use with: ADPT-20; PC-43B & PC-51-16
  - Access via: PPI-0(PortB,C) / DI(9-24) IDC20M Connector
- 8 Digital Input Connectors: 3
  - DI utilised: DI(1-8); DI(9-16) & DI(17-24)
  - For use with: ADPT-910; PC-43E & PC-51-8
  - Access via: PPI-0(PortA) / DI(1-8) IDC-10M Connector
  - Access via: PPI-0(PortB) / DI(9-16) IDC-10M Connector
  - Access via: PPI-0(PortC) / DI(17-24) IDC-10M Connector

#### PCI-14B/C

- 24 Digital Output Connectors: 1
  - DO utilised: PCI-14B/C DO(1-24)
  - For use with: ADPT-5050; ADPT-5050 SCSI Cent; PC-37F; PC-38D; PC-38F; PC-38X & PC-51-24
  - Access via: PC-14B PPI-1(PortA,B,C) / PCI-14B/C DO(1-24) IDC50M Connector
- 16 Digital Input Connectors: 1
  - DO utilised: DO(9-24)
  - For use with: ADPT-20; PC-37E; PC-38C; PC-38E; PC-38W & PC-51-16
  - Access via: PPI-1(PortB,C) / DO(9-24) IDC20M Connector
- 8 Digital Input Connectors: 3
  - DO utilised: DO(1-8); DO(9-16) & DO(17-24)
  - For use with: ADPT-910; PC-37D; PC-38G; PC-38H; PC-38V & PC-51-8
  - Access via: PPI-1(PortA) / DO(1-8) / OUT(0-5) IDC-10M Connector
  - Access via: PPI-1(PortB) / DO(9-16) IDC-10M Connector
  - Access via: PPI-1(PortC) / DO(17-24) IDC-10M Connector

### Digital Input / Output Counter Timer Connector Description

#### PCI-14B/C

- 6 Digital Input / Output Counter Timer Connectors: 2
  - Counter Timer Ports utilised: 6, CNTR0; CNTR1; CNTR2; CNTR3; CNTR4 & CNTR5
  - Access via: PCI-14B/C (Counter Timers) Screw terminals (for Gate & Clk) & PPI-1(PortA) / DO(1-8) / OUT(0-5) IDC-10M Connector (for Output)

## Digital Input / Output Multi-I/O Connector Description

### PC-14B

24 Digital Input/Output Connectors: 2

DIO utilised: PPI-0(PortA,B,C) & PPI-1(PortA,B,C)

For use with: ADPT-5050; ADPT-5050 SCSI Cent; PC-37F; PC-38D; PC-38F; PC-38X; PC-43C; PC-43D & PC-51-24

Access via: PC-14B PPI-0(PortA,B,C) / PCI-14B/C DI(1-24) & PC-14B PPI-1(PortA,B,C) / PCI-14B/C DO(1-24) IDC50M Connectors

16 Digital Input/Output Connectors: 2

DIO utilised: PPI-0(PortB,C) & PPI-1(PortB,C)

For use with: ADPT-20; PC-37E; PC-38C; PC-38E; PC-38W; PC-43B & PC-51-16

Access via: PPI-0(PortB,C) / DI(9-24) & PPI-1(PortB,C) / DO(9-24) IDC20M Connectors

8 Digital Input Connectors: 6

DIO utilised: PPI-0(PortA); PPI-0(PortB); PPI-0(PortC); PPI-1(PortA); PPI-1(PortB) & PPI-1(PortC)

For use with: ADPT-910; PC-37D; PC-38G; PC-38H; PC-38V PC-43E & PC-51-8

Access via: PPI-0(PortA) / DI(1-8) IDC-10M Connector

Access via: PPI-0(PortB) / DI(9-16) IDC-10M Connector

Access via: PPI-0(PortC) / DI(17-24) IDC-10M Connector

Access via: PPI-1(PortA) / DO(1-8) / OUT(0-5) IDC-10M Connector

Access via: PPI-1(PortB) / DO(9-16) IDC-10M Connector

Access via: PPI-1(PortC) / DO(17-24) IDC-10M Connector

## Digital Input / Output Counter Timer Connector Description

### PC-14B

3 Digital Input / Output Counter Timer Connectors: 1

Counter Timer Ports utilised: 3, CNTR0; CNTR1; CNTR2

Access via: PC-14B (Counter Timers) Screw terminals (for Gate; Clk & Output)

### Temperature Ranges

Operating Temperature: 0° to 60°C

Storage Temperature: -20° to 80°C

### Physical Dimensions

72.0mm (width) X 222.5mm (length) X 23.0mm (height without DIN-RAIL Mounting Base fitted)

77.0mm (width) X 101.5mm (length) X45.0mm (height with DIN-RAIL Mounting Base fitted)