

BNC Connectors terminal box
for Analog I/O Board

ATP-16E



* Specifications, color and design of the products are subject to change without notice.

Features

Compact designing

With its compact designing, you can place this BNC connector terminal box at your personal computer. By removing the connection cable, you can carry this box with your easily.

Lightly designing by Aluminum

It is lightly designed by using aluminum in consideration of portable.

Easy to connect external signals

Allow you to connect analog signal through a BNC cable

This product is the termination panel with BNC connectors for CONTEC's analog I/O board

This terminal box eases your connection of external devices and signals.

Specification

Specifications

Items	Specification
Analog Input	16ch (BNC connector, AI00 - AI15)
Analog Output	1ch (BNC connector, AO00)
Operating Conditions	0 - 50°C, 10 - 90%RH (no condensation)
Dimensions (mm)	120(W) x 88(H) x 35(D) (Not include the height of screw terminal block and rubber feet)
Weight	250g
Supported Products	For PCI : AD12-16(PCI)EV, AD16-16(PCI)EV, AD12-16U(PCI)EV, AD16-16U(PCI)EV, AD12-16(PCI)E, AD16-16(PCI)E, AD12-16U(PCI)EH, AD16-16U(PCI)EH, ADI12-16(PCI) For ISA : AD12-16(PC)EH, AD16-16(PC)EH, AD12-16U(PC)EH, AD16-16U(PC)EH

Specification of Interface Connector CN1

Type of Connector	DCLC-J37SAF-20L9 [mfd. by JAE, Female] equivalent Thumb screw: UNC#4-40(inch screw)
Type of mating connector	17JE-23370-02(D8C) [mfd. by DDK, Male] equivalent FDCD-37P [mfd. by HIROSE, Male] equivalent DC-37P-N [mfd. by JAE, Male] equivalent
Connecting Cable (option)	PCB37PS-0.5P, PCB37PS-1.5P

Supporting boards

Supporting boards are as follows.

Board for PCI :

AD12-16(PCI)EV, AD16-16(PCI)EV, AD12-16U(PCI)EV,
AD16-16U(PCI)EV, AD12-16(PCI)E, AD16-16(PCI)E,
AD12-16U(PCI)EH, AD16-16U(PCI)EH, ADI12-16(PCI)

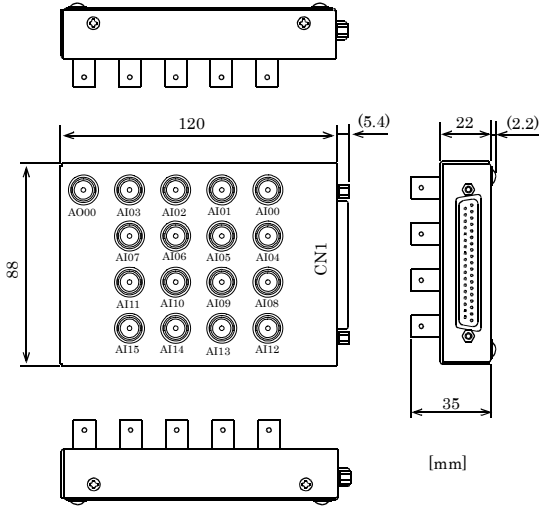
Board for ISA :

AD12-16(PC)EH, AD16-16(PC)EH, AD12-16U(PC)EH,
AD16-16U(PC)EH

Packing List

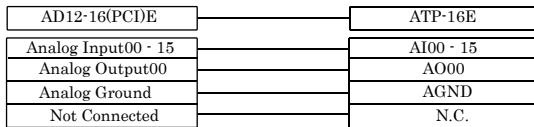
ATP-16E Termination Panel ...1
User's Manual...1

Physical Dimensions



Connection Drawing

Connect to an analog I/O board*1 : (Ex. : AD12-16(PCI)EV)



*1: Board for PCI :

AD12-16(PCI)EV, AD16-16(PCI)EV, AD12-16U(PCI)EV,
AD16-16U(PCI)EV, AD12-16(PCI)E, AD16-16(PCI)E,
AD12-16U(PCI)EH, AD16-16U(PCI)EH, ADI12-16(PCI)

Board for ISA :

AD12-16(PC)EH, AD16-16(PC)EH, AD12-16U(PC)EH,
AD16-16U(PC)EH

Connect a Board

Terminal Pin and the Corresponding Board Connector Pin Assignment

Signal name on ATP-16E	Description	Signal name on Boards
AI00 - AI15	BNC connectors for analog inputs	Analog Input00 - Analog Input15
AO00	BNC connectors for analog outputs	Analog Output00
AGND	Ground for all the analog signals	Analog Ground
N.C.	Not Connected	Not Connected

Analog E Series*1 :

Sixteen channels of analog input signals, one channel of analog output signal, seventeen channels of analog ground can be connected through ATP-16E terminal box.

*1: Board for PCI :

AD12-16(PCI)EV, AD16-16(PCI)EV, AD12-16U(PCI)EV,
AD16-16U(PCI)EV, AD12-16(PCI)E, AD16-16(PCI)E,
AD12-16U(PCI)EH, AD16-16U(PCI)EH

Board for ISA :

AD12-16(PC)EH, AD16-16(PC)EH, AD12-16U(PC)EH,
AD16-16U(PC)EH

ADI12-16(PCI) :

Sixteen channels of analog input signals, sixteen channels of analog ground can be connected through ATP-16E terminal box.

Pin Assignment of Connector

Not Connected	37	19	Not Connected
Analog Ground	36	18	Not Connected
Analog Ground	35	17	Analog Output
Analog Ground	34	16	Analog Input 15
Analog Ground	33	15	Analog Input 7
Analog Ground	32	14	Analog Input 14
Analog Ground	31	13	Analog Input 6
Analog Ground	30	12	Analog Input 13
Analog Ground	29	11	Analog Input 5
Analog Ground	28	10	Analog Input 12
Analog Ground	27	9	Analog Input 4
Analog Ground	26	8	Analog Input 11
Analog Ground	25	7	Analog Input 3
Analog Ground	24	6	Analog Input 10
Analog Ground	23	5	Analog Input 2
Analog Ground	22	4	Analog Input 9
Analog Ground	21	3	Analog Input 1
Analog Ground	20	2	Analog Input 8
		1	Analog Input 0