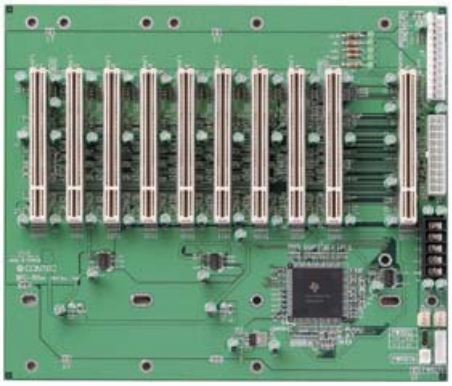
PCI Backplane with 10-Slots (PCI x 10)

BPC-1111



BPC-1111 is the Backplane board which have the 10 PCI slots. The Backplane board have one CPU board(SBC) PCI Bus slots(PCI0(CPU)) and nine PCI Bus slots(P_PCI1 - P_PCI2 and S_PCI1 - S_PCI7).

Features

- 1PCI(CPU Board) + 9 PCI slots
- Support for ATX and AT compliant power supply.
- The optional unit suitable for mounting.

Package Contents

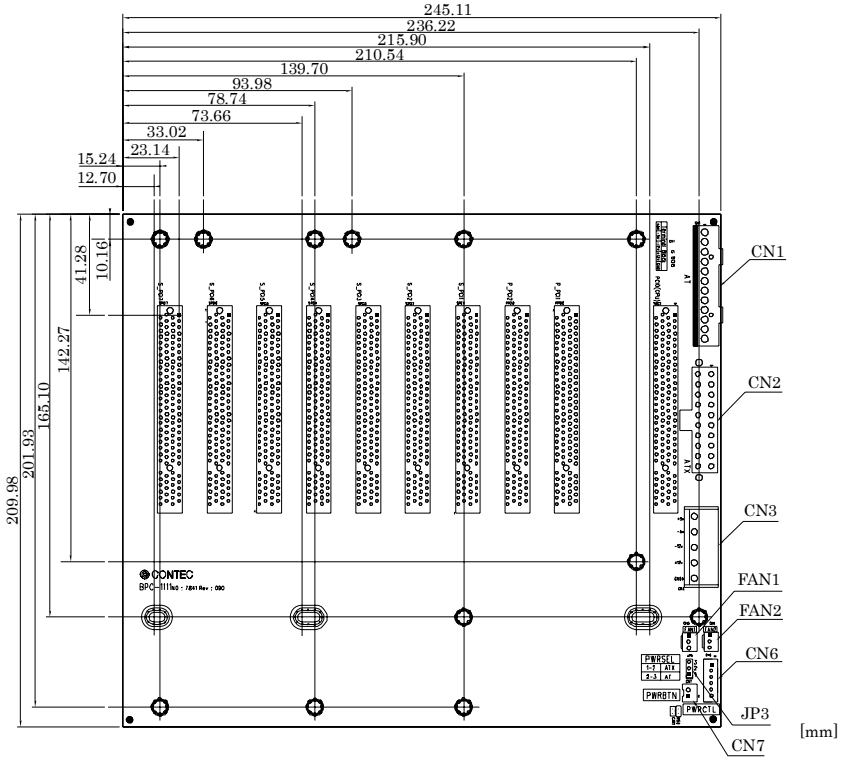
- The BPC-1111 Backplane Board
- This User's Manual
- ATX Control 6pin Cable

Specifications

Item	Specification
Correspondence bus	PCI Bus
Number of slots *1	CPU board(SBC) PCI bus slot PCI0(CPU) x 1 *1 PCI bus slot (P_PCI1 - P_PCI2 & S_PCI1 - S_PCI7) x 9
Supply power	+5VDC, -5VDC, +12VDC, -12VDC, + 3.3VDC (Only for ATX power)
Operating conditions	0 - 60 °C , 10 - 90% RH(No condensation)
Storage conditions	-20 - 70 °C
Floating dust particles	Not to be excessive
Corrosive gases	None
Major dimensions (mm)	245.11 (W) x 209.98 (D)
Weight	375g
Installable unit dimensions	FA-UNIT-M11RFV, FA-UNIT-F11RFV

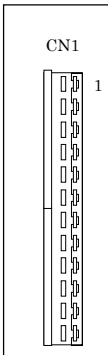
*1 The CPU board(SBC) must install it to the PCI0(CPU) slot.

Board Dimension



Jumper Setting and Connectors

◆ AT Power Supply Connector: CN1



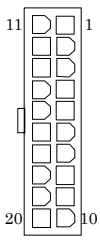
Pin No.	Function
1	Power Good
2	+5V
3	+12V
4	-12V
5	GND
6	GND
7	GND
8	GND
9	-5V
10	+5V
11	+5V
12	+5V

Suitable Housing : GTC6P-1(correspond)
Suitable Contact : PCK18-2TR9(correspond)
Maker : BURNDY

Option Cable
(One side is solder disposal.)
Model : PCA-6P2 CONTEC
Cable length 36cm(AWG#18), two

◆ ATX Power Supply Connector: CN2

When used with an ATX-compliant power supply that supports remote power on/off, the CPU card can turn off the system power through software control.
To enable soft-off control in software, advanced power management must be enabled in the Setup program and in the operation system. When the system BIOS receives the correct APM command from the operating system, the BIOS turns off power to the computer.
With soft-off enabled, if power to the computer is interrupted by a power outage or a disconnected power cord, when power resumes, the computer returns to the power state it was in before power was interrupted (on or off).



Pin No.	Function	Pin No.	Function
11	+3.3V	1	+3.3V
12	-12V	2	+3.3V
13	GND	3	GND
14	PON	4	+5V
15	GND	5	GND
16	GND	6	+5V
17	GND	7	GND
18	-5V	8	Power Good
19	+5V	9	+5VSBY
20	+5V	10	+12V

Suitable Housing : 39-01-2200 (correpond)
Suitable Contact : 5556 (correspond)
Maker : Molex

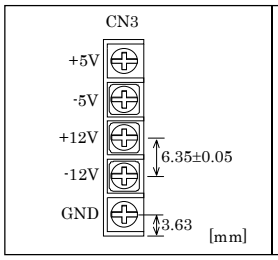
◆ Power Supply Terminal: CN3

When you input the power supply from the CN1 or CN2 connectors, you can output +5V, -5V, +12V and -12V power from the CN3 terminal. The maximum output current of each power supply is showed bellow.

Specification of Power Supply Terminal

Voltage	+5VDC	+12VDC	-5VDC	-12VDC
Max. Current	2A	2A	2A	2A

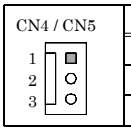
However, the maximum supply current is depend on the power supply connected to CN1 or CN2.



Suitable Ring Tongue : WS0.5-3 (correspond)
Suitable Spade Tongue : WS0.5-3A (correspond)
Applicable Wire AWG#(mm²) : 26 - 22(0.2 - 0.5)
Maker : JST
Screw torque : 0.4N-m(Max.)

◆ System FAN Connector: FAN1 / FAN2(CN5/CN4)

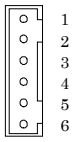
FAN1 and FAN2 are 3-pins header for the system cooling fan power connector. The fan must be a 12V fan. Pin 2 is for +12V power supply.



Pin No.	Function
1	N.C.
2	+12V
3	GND

Suitable Housing : 22-01-1034 (correspond)
Suitable COntact : 08-70-0057 (correspond)
Maker : Molex

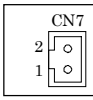
◆ ATX Power Control Connector: CN6



Pin No.	Function
1	PME#
2	GND
3	PBTN-IN
4	GND
5	PSOUT
6	+5V SBY

Suitable Housing: XHP-6 (correspond)
Suitable Contact : SXH-001T-P0.6 (correspond)
Maker : JST

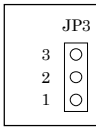
◆ ATX Power Button connector: CN7



Pin No.	Function
2	GND
1	PBTN

Suitable Housing : XHP-2 (correspond)
Suitable Contact : SXH-001T-P0.6 (conrrespond)
Maker : JST

◆ ATX Power ON: JP3



Pin No.	Function
3	GND
2	PBIN
1	PSOUT

2-3 Short : Disable ATX power control and set the ATX Power Supply ON always by push switch (use as AT Power Supply).(Default))
1- 2 Short : Enable ATX Power Control by push switch

The specification, color, and design of a product may be changed without a preliminary announcement.