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# PCI Backplane with 5-Slots(PCI x 5)

## BPC-0511 User's Manual

CONTEC CO.,LTD.

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### Description

BPC-0511 is Backplane board for PCI Bus slot. This Backplane board has one SBC(CPU board) PCI Bus slot(PCI0) and four PCI Bus slot(PCI1-4).

### Package Contents

- The BPC-0511 BackPlane Board
- This User's Manual
- ATX Control 6pin Cable

### Features

- 5-Slot PCI Bus Slot (SBC Slot x 1, PCI Slot x 4)
- Support for ATX and AT compliant power supply.
- The optional unit suitable for mounting.

### Specifications

Item	Specification
Correspondence bus	PCI Bus
Number of slots *1	SBC(CPU board) PCI bus slot(PCI0) x 1 *2 PCI bus slot(PCI1-4) x 4
Supply power	+5VDC, -5VDC, +12VDC, -12VDC, +3.3VDC
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)	138.0(W) x 167.0(D)
Weight	180g
Installable chassis	FA-UNIT-M6BE, FA-UNIT-F6DR, FA-UNIT-M6RFV, FA-UNIT-F6RFV

\*1 This board has the space for 1 slot between PCI0 and PCI1. Chassis need have 6 Slots.

\*2 The SBC(CPU board) must install it to the exclusive slot of PCI0.



## Jumper Setting and Connectors

### AT Power Supply Connector: CN1

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

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

Option Cables.  
 (one side is solder disposal)  
 Type : PCA-6P2  
 Model : 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

Cable side Connector Maker: Molex  
 Cable side Connector Type : 5557-20R  
 (39-01-2200)  
 Cable side Connector  
 Contact Type : 5556

## ATX Power Control Connector: CN3

CN3		PIN No.	Function
6	○	6	+5V SBY
5	○	5	PSOUT
4	○	4	GND
3	○	3	PBTN-IN
2	○	2	GND
1	○	1	N.C.

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

## ATX Power Button connector: CN5

CN5		PIN No.	Function
2	○	2	GND
1	○	1	PBTN

Housing: XHP-2(JST)  
Contact: SXH-001T-P0.6(JST)

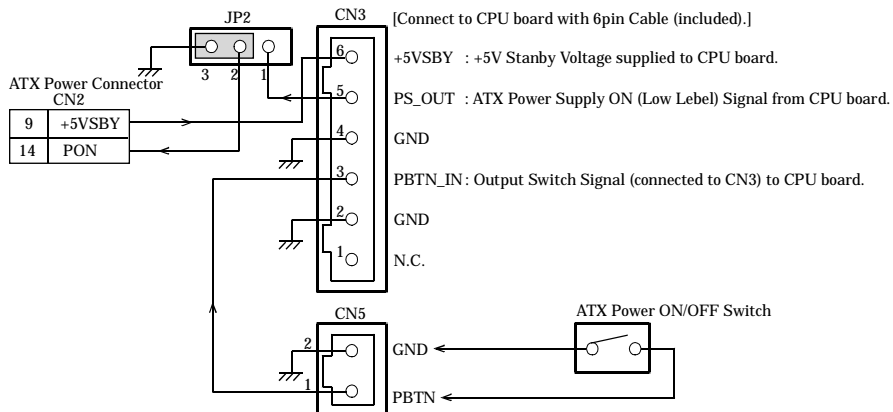
Unuse Jumper: JP1 Always open

## ATX Power ON: JP2

JP2		PIN No.	Function
3	○	3	GND
2	○	2	PBIN
1	○	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.

## Connector Block Drawing



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**CONTEC CO.,LTD.**

June 2005 Edition

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[07202004]

Management No. A-46-865

[06272005\_rev5]

Parts No. LYDP221