

PICMG Backplane with 6-Slots  
(PICMGx2, PCIx3, ISAx1)

**BPI-0611**



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

**Features**

- 1 PICMG + 1 PICMG/PCI + 3 PCI + 1 ISA slots
- Support for ATX and AT compliant power supply.
- The optional chassis suitable for mounting.

**Specifications**

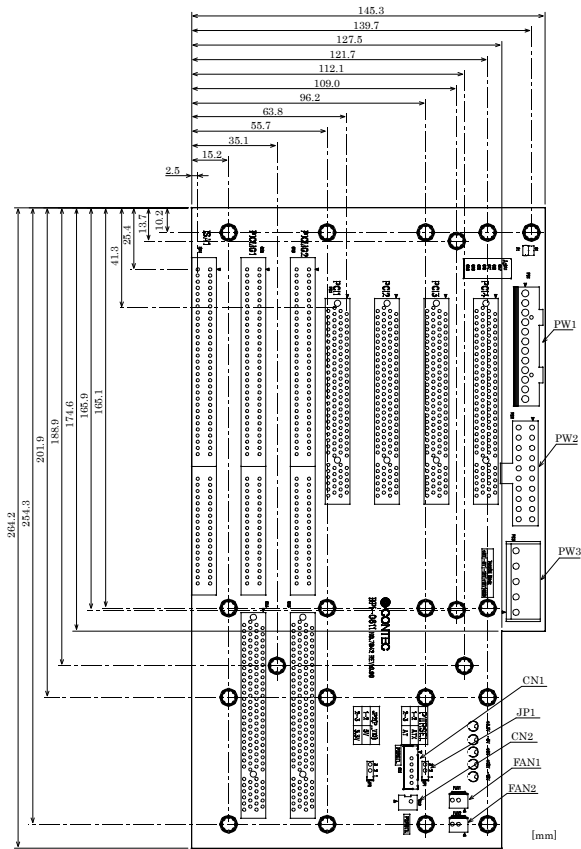
Item	Specification
Correspondence bus	PCI/ISA(PICMG) Bus, ISA Bus, PCI Bus
Number of slots *1	SBC(CPU board) PICMG slot(PICMG1) x 1 *1 SBC(CPU board) PICMG/PCI shared bus slot (PICMG2 / PCI1) x 1 *1 PCI bus slot(PCI2 - 4) x 3 ISA bus slot(ISA1) x 1
Supply power	+5VDC, -5VDC, +12VDC, -12VDC, +3.3VDC(only for ATX power supply)
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)	145.3(W) x 264.2(D)
Weight	310 g
Installable chassis	FA-UNIT-F6RFV, FA-UNIT-F6DR

\*1 The SBC(CPU board) must install it to the PICMG slot(PICMG1 or PICMG2).  
\*2 PICMG2/P\_PCI1 slot is a shared slot. Only one of the boards, PICMG or PCI, can be mounted.

**Packing List**

- The BPI-0611 Backplane Board
- User's Manual
- ATX Control 6pin Cable

## Board Dimension



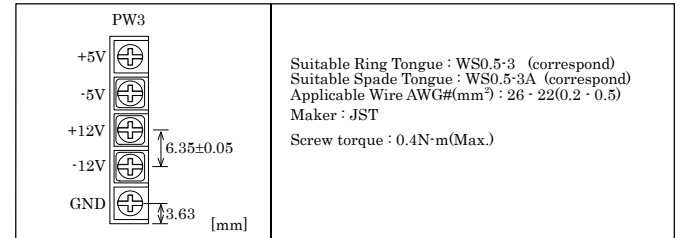
## Power Supply Terminal: PW3

When you input the power supply from the PW1 or PW2 connectors, you can output +5V, -5V, +12V and -12V power from the PW3 terminal. The maximum output current of each power supply is showed below.

### 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 PW1 or PW2.



## System FAN Connector: FAN1 / FAN2

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.

FAN1/FAN2	Pin No.	Function
	1	N.C.
	2	+12V
	3	GND

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

## ATX Power Control Connector: CN1(PWRCTL)

CN1	Pin No.	Function
	1	PME#
	2	GND
	3	PBTN-1N
	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: CN2(PWRBTN)

CN2	Pin No.	Function
	1	PBTN
	2	GND

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

## AT Power Supply Connector: PW1

PW1	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: PW2

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).

PW2	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 (correspond)  
 Suitable Contact : 5556 (correspond)  
 Maker : Molex

## ATX Power ON: JP1

JP1	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