User's Manual

1107391

The 1107391 backplane contains 4 PCI slots. There are 3 slots for PCI device cards, and 1 slot for CPU card. It is a member of PBP's PCI product family and is intended to support PCI compliant boards on the market.

The board's main features include:

Connector

One PICMG slot with only PCI connector for the CPU board

Three 5V 32bit PCI slots for full-size boards on the Primary bus. These slots are Master/Slave configurable by using Bus Mastering Scheme.

One AT standard power connector: 12 pins, 5A max. per pin for +5V, -5V, +12V, -12V voltages, Ground, and Power Good signal.

One ATX standard power connector: 20 pins, 5A max. per pin for +5V, -5V, +12V, -12V, +3.3V voltages, Ground, and Power Good signal.

One ATX control connector to distribute signals coming from the CPU boards onto connector for soft on/off an ATX power supply.

Pairs of header for local connection of a keyboard, fan power, and Power LED.

PCB

The Printed Circuit Board's (PCB) overall dimensions are 104.08mm x 170mm (4.097" x 6.693").

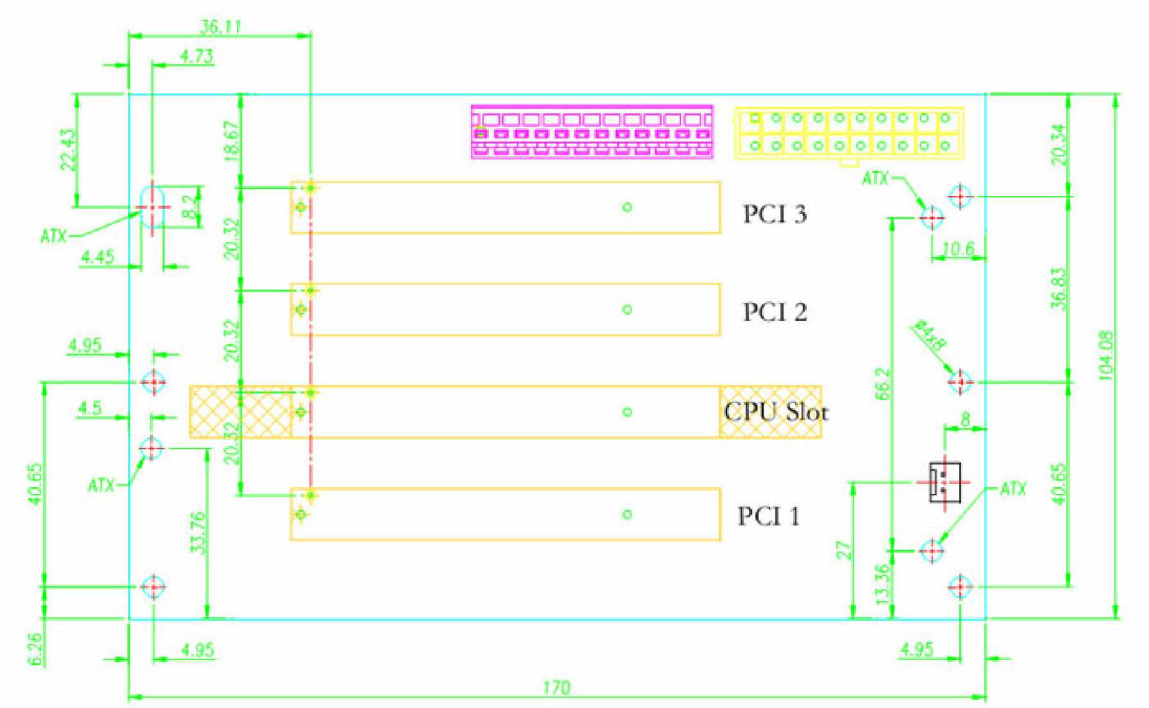
9 Mounting holes are provided and these mounting holes are connected to Signal Ground internally.

Operating temperature : 0℃ ~ 55℃ (32 ~ 140°F)

Storage temperature : -20℃ ~ 85℃ (-4 ~ 185°F)

Standard

PCI- conforms to PCI rev. 2.1 specification



1. JUMPERS and CONNECTORS:

JUMPER/ CONNECTOR	DESCRIPTION
CPU Slot	PICMG connectors
PCI1-3	32BIT PCI BUS connectors (primary)
KB1, KB2	Keyboard connector
CN1	P8/P9 power connector
CN2	ATX power connector
CN3	FAN power connector
CN4	ATX P/S control connector

2 PIN ASSIGNMENT

KB1, KB2	
PIN	NAME
1	CLK
2	DATA
3	NC
4	GND (Via SBC)
5	+5V (Via SBC)

CN1 (P8/P9)	
PIN	NAME
1	NC
2	+5V
3	+12V
4	-12V
5	GND
6	GND
7	GND
8	GND
9	-5V
10	+5V
11	+5V
12	+5V

CN2 (ATX)			
PIN	NAME	PIN	NAME
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	GND	13	GND
4	+5V	14	PS-ON
5	GND	15	GND
6	+5V	16	GND
7	GND	17	GND
8	PWR-OK	18	-5V
9	5V STB	19	+5V
10	+12V	20	+5V

CN 3	
PIN	NAME
1	+12V
2	GND

CN4* (For ATX P/S only)	
PIN	NAME
1	PW-OK
2	5VSB
3	PS-ON
4	GND

*Note: If you are using a non-ATX featured SBC board with ATX power supply, you can turn the ATX power supply into AT type by adding an on-off switch over pin3 and 4. By default, pin 3 and 4 is short to trigger the ATX power supply to ON status.

Any advice or comments about our products and service, or anything we can help you with please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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