Board Dimensions

I.   Checklist

✓ FAB112-13B1P10 13-Slot ATX-Supported ✓ Quick Installation Guide x 1
   PICMG 1.3 Bus Backplane x 1

Note1: *Please contact your local vendors if any damaged or missing items. DO NOT apply power to the board if any damaged components.*

II.   Jumper List

| Jumper	Description
JP1	Open : ATX by CPU Card Short : ATX Power Always On
JP2 (Reserved)	Auto Power Button(Optional) Open : Disable Short : Enable

III.   Connectors

Connector	Description
CN1	ATX Power Connector
CN2	12V 8Pin(+12V Auxiliary Power Connector)
CN3	8-Pin Power Connector for thermal board
CN4	SM Bus Connector
CN5,CN6,CN7 (Reserved)	COM Ports and DIO Connector (Optional)
CN8,CN9,CN10,CN11(Reserved)	Thermal sensor Connector for FAN1,FAN2 & FAN3,FAN4(Optional)
CN12	PCIex16 SDVO Control Signal Connector
CN13	IPMB Connector
CN14	+3.3V/5V Auxiliary Power Connector
CN15	+3.3V Auxiliary Power Connector
CN16	+5V Auxiliary Power Connector
USB1,USB2	USB 0,1,2,3 Connector
PWRBT1	ATX Power Button Connector
HWRST1	Hardware Reset Connector
FAN1,FAN2,FAN3,FAN4	FAN Connector
SHB1 – SHB4	PICMG 1.3 Full-Size SBC Slot

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SPCI1-SPCI7,PPCI1-PPCI3	PCI Slots 32-bit/33MHz
PCIE1	X16 PCIe Slot
PCIEB1	X4 PCIe Slot **(Note 2)**
SATA1;SATA2(Reserved)	SATA1,2 Connector (Optional)

Note 2: Follow by PICMG1.3 standard, The ports for the B[3:0] link was configured to one x4 PCIe(PCIEB1 slot on BP), The x4 PCIe link is able to support x1 and x4. If the x4 PCIe slot can not support x4 PCIe card, please contact your SBC Card vender first.
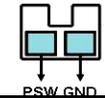
■ **Power Connector (CN1;CN2;CN3;CN14;CN15;CN16)**
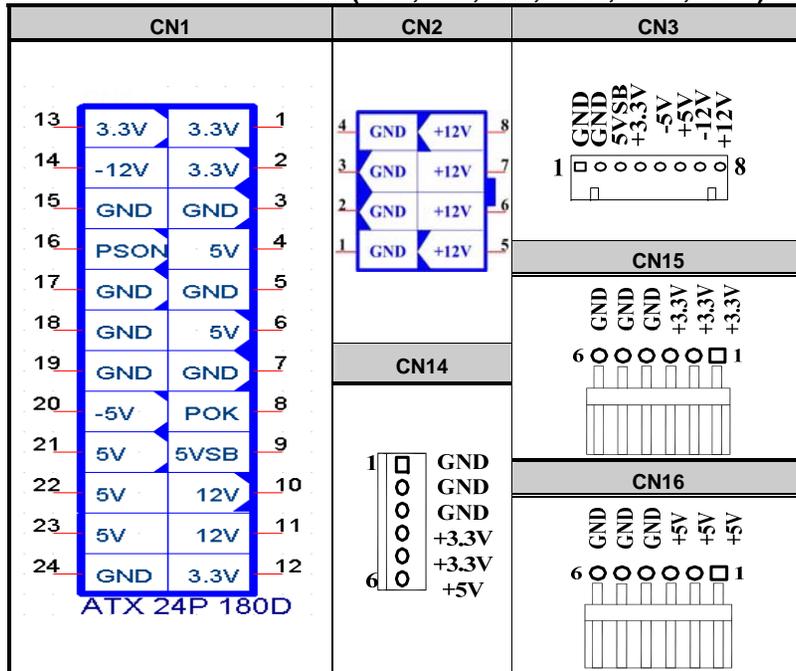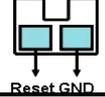

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■ **Power ON/OFF Push Button Connector (PWRBT1)**
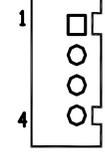
Pin	Signal
1	PWR_BT
2	GND

■ **Hardware Reset Connector (HWRST1)**

Pin	Signal
1	HW_RST
2	GND

■ **SM Bus Connector (CN4)**

Pin	Signal
1	+5V
2	SM_CLK
3	SM_DAT
4	GND

■ **FAN Connector (FAN1,FAN2,FAN3,FAN4)**

Pin	Signal
1	GND
2	+12V
3	N.C or Rotation Detection (Reserved)
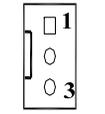
■ **USB Connectors (USB1, USB2)**

Pin	Signal	Pin	Signal
1	USB Power	2	USB Power
3	USB P0-	4	USB P1-
5	USB P0+	6	USB P1+
7	USB GND	8	USB GND
		10	GND