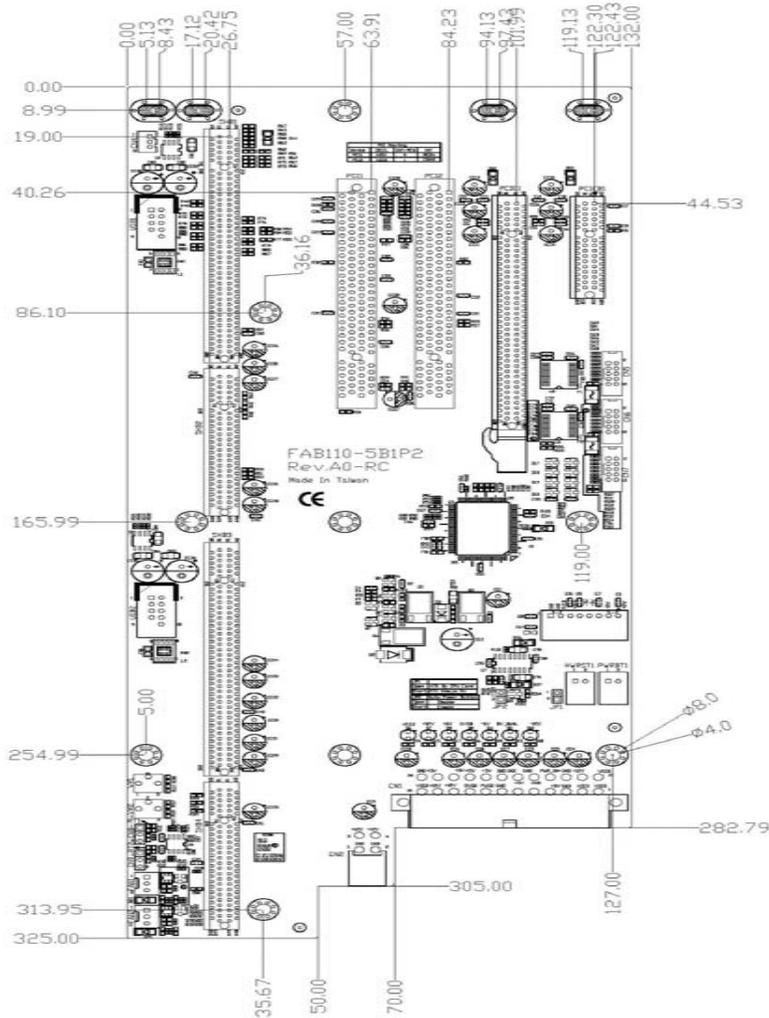


FAB110-5B1P2 Quick Installation Guide

Board Dimensions



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FAB110-5B1P2 Quick Installation Guide

I. Checklist

- ✓ FAB110-5B1P2 5-Slot ATX-Supported
- ✓ Quick Installation Guide x 1
- PICMG 1.3 Bus Backplane x 1

Note 1: 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 Function (Optional) Open : Disable Short : Enable

III. Connectors

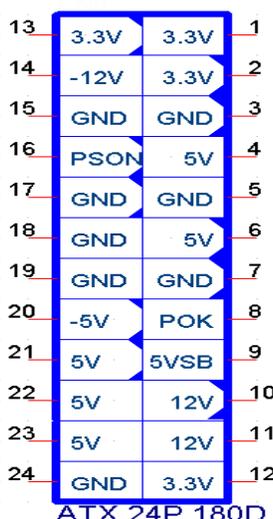
Connector	Description
CN1	ATX Power Connector
CN2	12V 4Pin(+12V Auxiliary Power Connector)
CN3	8-Pin Power Connector for thermal board
CN4	SM Bus Connector
CN5,CN6,CN7(Reserved)	COM Ports and DIO Connector(Optional)
CN8,CN9(Reserved)	Thermal sensor Connector For FAN1 & FAN2 (Optional)
USB1,2	USB 0,1,2,3
PWRBT1	ATX Power button connector
HWRST1	Hardware Reset Connector
FAN1;FAN2	FAN Connector
SHB1 – SHB4	PICMG 1.3 Full-SIZE SBC Slot
PCI1-PCI2	PCI Slots 32-bit/33MHz
PCIE1	X16 PCIe Slot
PCIEB1	X4 PCIe Slot (Note 2)
VR1,VR2 (Reserved)	Temperature Selection For FAN Control(Optional)

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24-Pin ATX Power Connector (CN1)

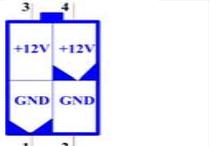
Pin	Signal	Cable Color	Pin	Signal	Cable Color
1	3.3V	Brown	13	3.3V	Brown
2	3.3V	Brown	14	-12V	Blue
3	GND	Black	15	GND	Black
4	5V	Red	16	PS_ON	Green
5	GND	Black	17	GND	Black
6	5V	Red	18	GND	Black
7	GND	Black	19	GND	Black
8	PWOK	Orange	20	-5V	White
9	5VSB	Purple	21	5V	Red
10	12V	Yellow	22	5V	Red
11	12V	Yellow	23	5V	Red
12	3.3V	Brown	24	GND	Black



ATX 24P 180D

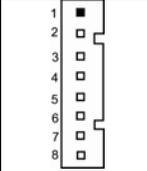
4Pin +12V Auxiliary Power Connector (CN2)

Pin	Signal	Cable Color	Pin	Signal	Cable Color
1	GND	Black	3	12V	Yellow
2	GND	Black	4	12V	Yellow



Power Output Connector (CN3)

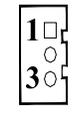
Pin	Signal	Pin	Signal
1	GND	5	-5V
2	GND	6	5V
3	5VSB	7	-12V
4	3.3V	8	12V



FAB110-5B1P2 Quick Installation Guide

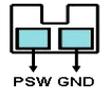
SM Bus Connector (CN4)

Pin	Signal
1	SM_CLK
2	SM_DAT
3	GND



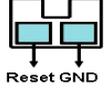
Power ON/OFF Push Button Connector (PWRBT1)

Pin	Signal
1	PWR_BT
2	GND



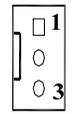
Hardware Reset Connector (HWRST1)

Pin	Signal
1	HW_RST
2	GND



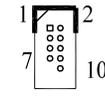
FAN Connector (FAN1, FAN2)

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



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.