

PCE-5B13-08 Backplane: 13-slot BP for 4U Chassis, 1 x PICMG 1.3, 4 x PCIe, 8 x 32-bit PCI Startup Manual

Packing List

Before you begin installing your card, please make sure that the following items have been shipped:

- Single 2 port USB cable
- PCE-5B13-08 startup manual
- M4*6*0.7 round screws (15 pcs)
- 2-year quality warranty card

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Specifications

Standard Functions

- **PICMG 1.3 Slot:** PCE-5B13-08 supports PCE-5XXX CPU cards
- **PCIe Slots:**
 - 1 x PCI-E x 16 slot
 - 3 x PCI-E x 1 slot
- **32-bit PCI Slots:** 8 x 32 Bit / 33 x MHz PCI slots
- **USB (2.0) Support:** Four Universal Serial Bus ports to backplane

Mechanical and Environmental

- **Dimensions (L x W):** 327.66 x 315.45 mm
- **Power supply voltage:** +12 V, +5 V, -12 V, -5 V, +5 V SBY, +3.3 V
- **Power consumption:** Depends on the CPU board, add-on card & peripherals
- **Operating temperature:** 0 ~ 60°C

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For technical support and service, please visit our support website at:

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Specifications (Cont.)

This table shows the function of each jumper and connector.

Connector / Jumper List

Label	Function
SHBA1~SHBD1	PICMG1.3 CPU board slot
PPCIE1~3	PCIe x 1 slot
PPCIE4	PCIe x 16 slot
PPCI1~PPCI4	32 Bit / 33 MHz PCI Bus slot
SPCI1~SPCI4	32 Bit / 33 MHz PCI Bus slot
EATXPWR1	ATX2.0 24-pin Power Connector
EATX12V1	ATX 12V Auxiliary 8-pin Power Connector
ATX12V1	ATX 12V 4-pin Power Connector
PWR3V1	3.3V Auxiliary Power Connector
PWR3V2	3.3V Auxiliary Power Connector
VOLT1	Alarm board / CMM Power Connector
FAN1~6	FAN Connector (Horizontal Type)
FAN7	FAN Connector (Vertical Type)
FANDEC1	FAN speed detector Connector
KBMS1	External Keyboard/Mouse Connector
KBMS2	External Keyboard/Mouse Connector
JFP1	Power and Reset button Connector
IPMB1	IPMB Connector
USB12	Two USB port pin header
USB34	Two USB port pin header

Jumpers

Label	Function
PS0N1	ATX / AT Mode Selection

Jumpers and Connectors

EATXPWER1

Pin	Name
1	3.3 V
2	3.3 V
3	GND
4	5 V
5	GND
6	5 V
7	GND
8	Power OK
9	5 V SBY
10	12 V
11	12 V
12	3.3 V
13	3.3 V
14	-12 V
15	GND
16	PSON#
17	GND
18	GND
19	GND
20	-5 V
21	-5 V
22	5 V
23	5 V
24	GND

ATX12V1

Pin	Name
1	GND
2	GND
3	12 V
4	12 V

Jumpers and Connectors (Cont.)

EATX12V1

Pin	Name
1	GND
2	GND
3	GND
4	GND
5	12 V
6	12 V
7	12 V
8	12 V

PWR3V1 & PWR3V2

Pin	Name
1	3.3 V
2	3.3 V
3	3.3 V
4	GND
5	GND
6	GND

VOLT1

Pin	Name
1	5 V SBY
2	GND
3	GND
4	-5 V
5	5 V
6	3.3 V
7	-12 V
8	12 V

FAN1~FAN7

Pin	Name
1	GND
2	12 V
3	FANIO1~FANIO7

Jumpers and Connectors (Cont.)

FANDEC1

Pin	Name
1	FANIO1
2	FANIO2
3	FANIO3
4	FANIO4
5	FANIO5
6	FANIO6
7	FANIO7

SMBUS1~SMBUS3

Pin	Name
1	5 V
2	C-SMBBUS
3	C-SMBDAT
4	GND

KBMS1~KBMS2

Pin	Name
1	KBCLK
2	KBDAT
3	MSDAT
4	GND
5	5 V
6	MS_CLK

IPMB1

Pin	Name
1	IPMB_CLK
2	IPMB_DAT
3	GND

Jumpers and Connectors (Cont.)

USB12

Pin	Name
1	USBV0
2	USBV0
3	USBD0-
4	USBD1-
5	USBD0+
6	USBD1+
7	GND
8	GND
9	Null
10	GND

USB34

Pin	Name
1	USBV2
2	USBV2
3	USBD2-
4	USBD3-
5	USBD2+
6	USBD3+
7	GND
8	GND
9	Null
10	GND

PS0N1: ATX / AT Mode Selection

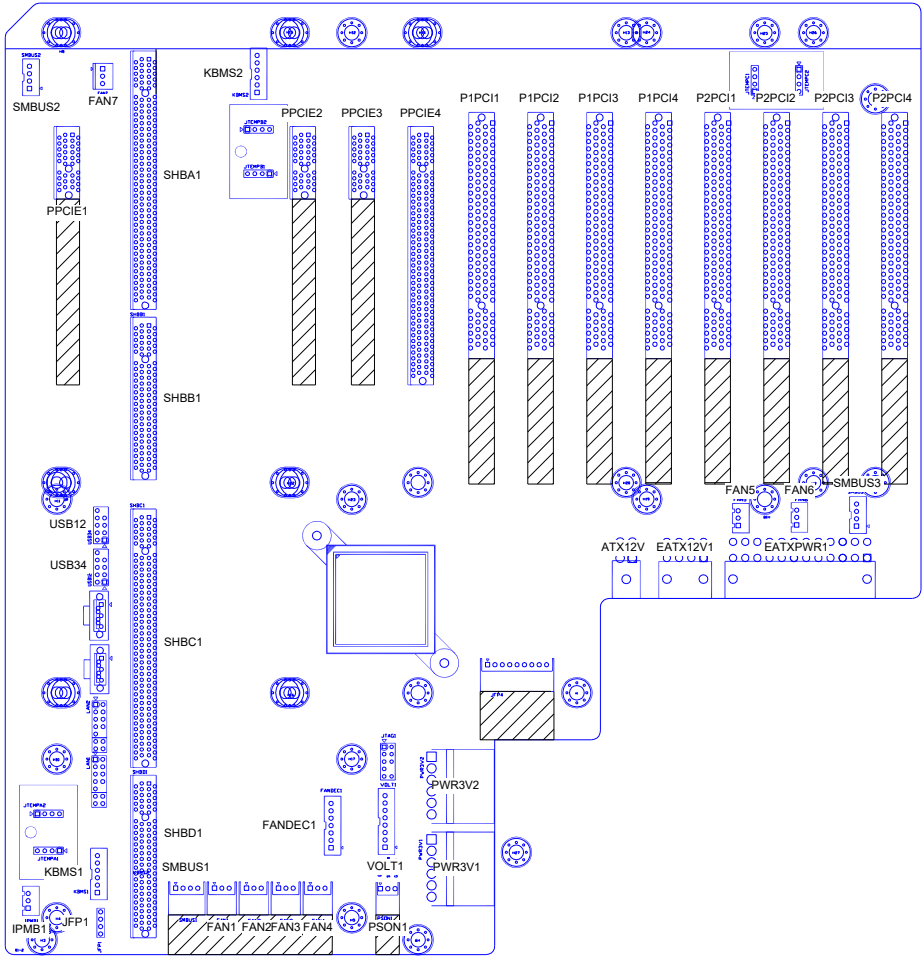
Setting	Function
1-2	AT Mode
2-3*	ATX Mode
* Default	



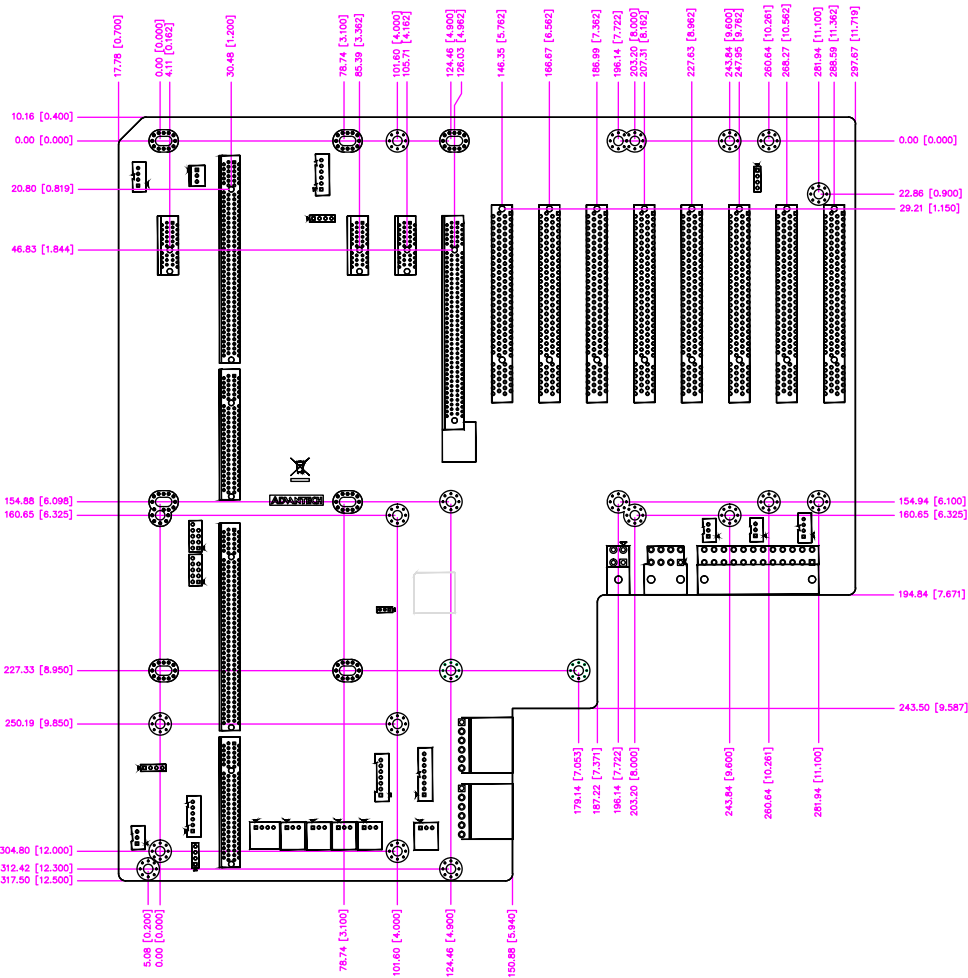
JFP1

Pin	Name
1	VCC
2	PWRBTN
3	RESET#
4	GND

Locating connectors and Jumpers



Board Dimensions



Board Diagram

PCE-5B13-08 BLOCK DIAGRAM

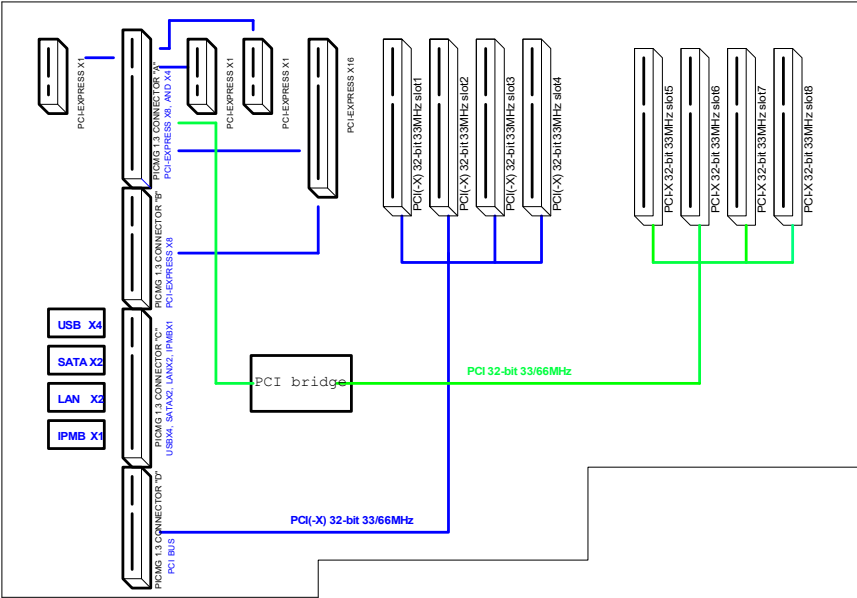


Figure 1: Board Layout: Jumper and Connector Locations

Board Diagram

Primary PCI 32-bit

PCI Slot	IDSEL	SHBD1 IRQ# to PCI SLOT INT# Pin Route			
		INTA#	INTB#	INTC#	INTD#
P1PCI1	AD31	IRQB#	IRQC#	IRQD#	IRQA#
P1PCI2	AD30	IRQC#	IRQD#	IRQA#	IRQB#
P1PCI3	AD29	IRQD#	IRQA#	IRQB#	IRQC#
P1PCI4	AD28	IRQA#	IRQB#	IRQC#	IRQD#

Secondary PCI 32-bit

PCI Slot	IDSEL	SHBD1 IRQ# to PCI SLOT INT# Pin Route			
		INTA#	INTB#	INTC#	INTD#
P2PCI1	AD31	IRQD#	IRQA#	IRQB#	IRQC#
P2PCI2	AD30	IRQC#	IRQD#	IRQA#	IRQB#
P2PCI3	AD29	IRQB#	IRQC#	IRQD#	IRQA#
P2PCI4	AD28	IRQA#	IRQB#	IRQC#	IRQD#