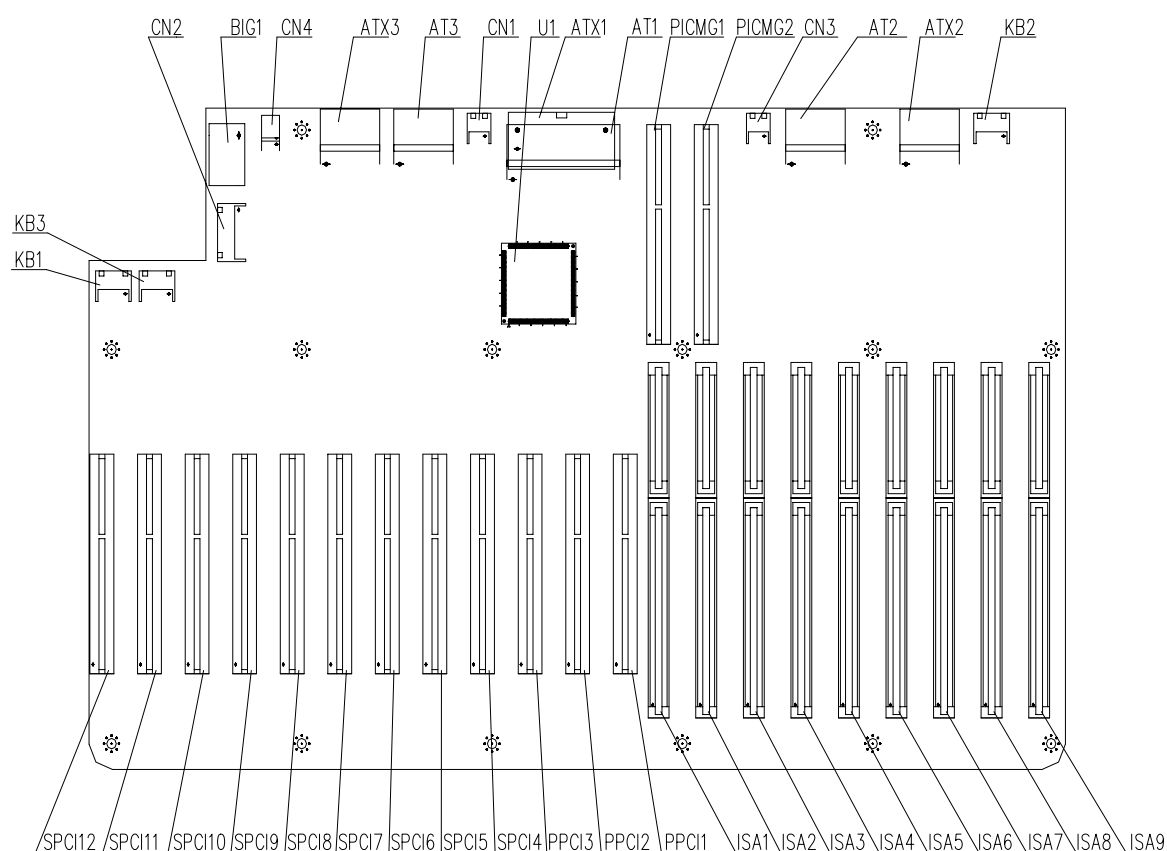


PCA-6120P12: 20 slot backplane 1 CPU/12 PCI/8 ISA Rev. A101-1

1. Connectors

Connector	Description
ISA1~ISA2	PICMG connector
ISA3~ISA9	16 Bit ISA Bus connector
PICMG1~PICMG2	PICMG connector
PPCI1~PPCI3	32 Bit PCI slot (Primary PCI Group)
SPCI4~SPCI12	32 Bit PCI slot (Secondary PCI Group)
KB1	KB-In, from CPU card K/B connector
KB2~KB3	KB-Out, 5 pin external K/B connector
BIG1	Big 4 Pin Power connector
AT1	AT Power connector
AT2	5V Power connector
AT3	3.3V Power connector
ATX1	ATX Power (reserved)
ATX2	5V Power connector
ATX3	3.3V Power connector
CN1	PS-ON Function, to CPU card for ATX Power signal, 3 pin connector (reserved)
CN2	8 pin Alarm Board Power connector
CN3	3 pin +5V and +12V Power connector
CN4	3 pin +12V DC Fan connector (reserved)



PN: 200K612050

2. Connector Pin Definition

BIG1	
Pin	Name
1	+12V
2	GND
3	GND
4	+5V

AT1	
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

AT2	
Pin	Name
1	+5V
2	+5V
3	+5V
4	GND
5	GND
6	GND

AT3	
Pin	Name
1	+3.3V
2	+3.3V
3	+3.3V
4	GND
5	GND
6	GND

CN1	
Pin	Name
1	PS-ON
2	GND
3	5VSB

CN2	
Pin	Name
1	5VSB
2	GND
3	GND
4	-5V
5	+5V
6	+3.3V
7	-12V
8	+12V

CN3	
Pin	Name
1	+12V
2	GND
3	+5V

CN4	
Pin	Name
1	GND
2	+12V
3	NC

KB1~KB3	
Pin	Name
1	KBDCLK
2	KBDDATA
3	NC
4	KBGND
5	KBVCC

ATX1	
Pin	Name
1	+3.3V
2	+3.3V
3	GND
4	+5V
5	GND
6	+5V
7	GND
8	NC
9	5VSB
10	+12V
11	+3.3V
12	-12V
13	GND
14	PS-ON
15	GND
16	GND
17	GND
18	-5V
19	+5V
20	+5V

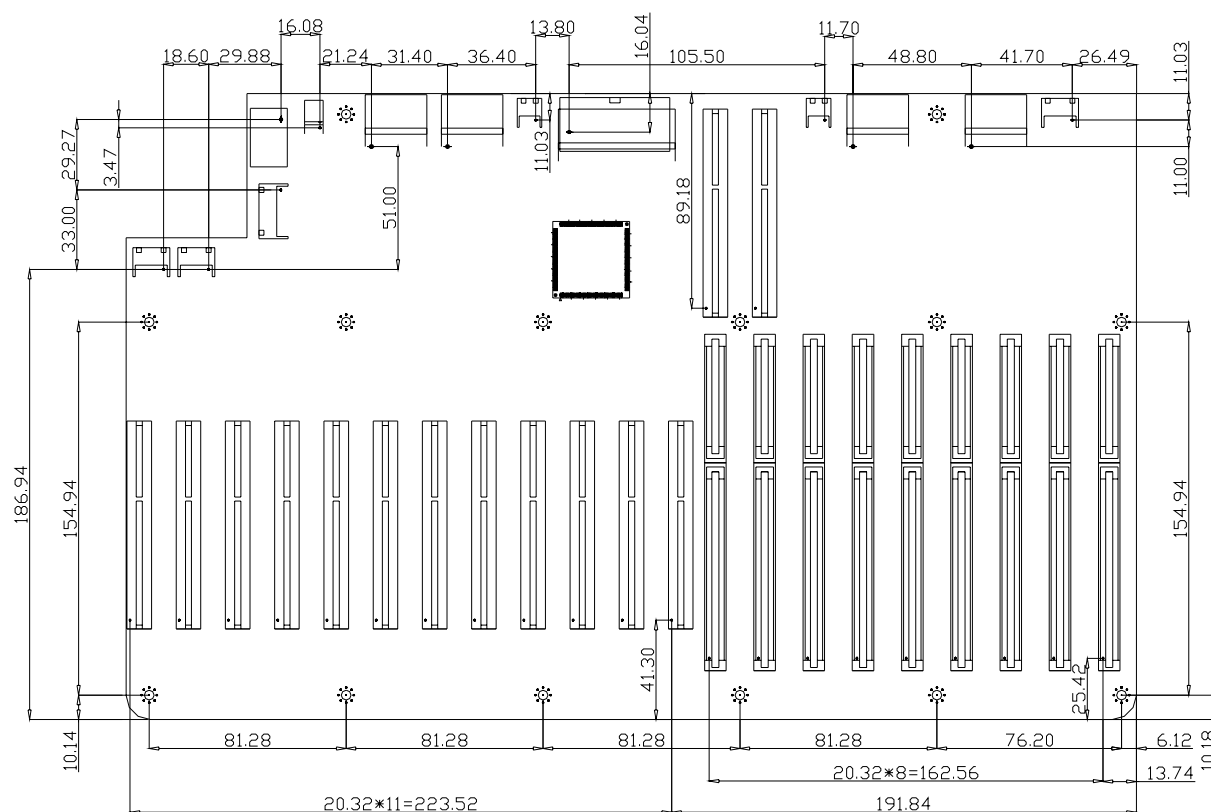
ATX2	
Pin	Name
1	+5V
2	+5V
3	+5V
4	GND
5	GND
6	GND

ATX3	
Pin	Name
1	+3.3V
2	+3.3V
3	+3.3V
4	GND
5	GND
6	GND

3. PCI Routing Table

PCI SLOT	ID SEL	PCI interrupt pin route			
		INTA	INTB	INTC	INTD
PPCI1	P_AD31	INTB	INTC	INTD	INTA
PPCI2	P_AD30	INTC	INTD	INTA	INTB
PPCI3	P_AD29	INTD	INTA	INTB	INTC
SPCI4	S_AD20	INTA	INTB	INTC	INTD
SPCI5	S_AD21	INTB	INTC	INTD	INTA
SPCI6	S_AD22	INTC	INTD	INTA	INTB
SPCI7	S_AD23	INTD	INTA	INTB	INTC
SPCI8	S_AD24	INTA	INTB	INTC	INTD
SPCI9	S_AD25	INTB	INTC	INTD	INTA
SPCI10	S_AD26	INTC	INTD	INTA	INTB
SPCI11	S_AD27	INTD	INTA	INTB	INTC
SPCI12	S_AD28	INTA	INTB	INTC	INTD

4. Mechanical Dimension



5. Note

- * No support for 3.3V PCI card when ATX power supply is used.
- * No 3.3V is available when AT power supply is used.