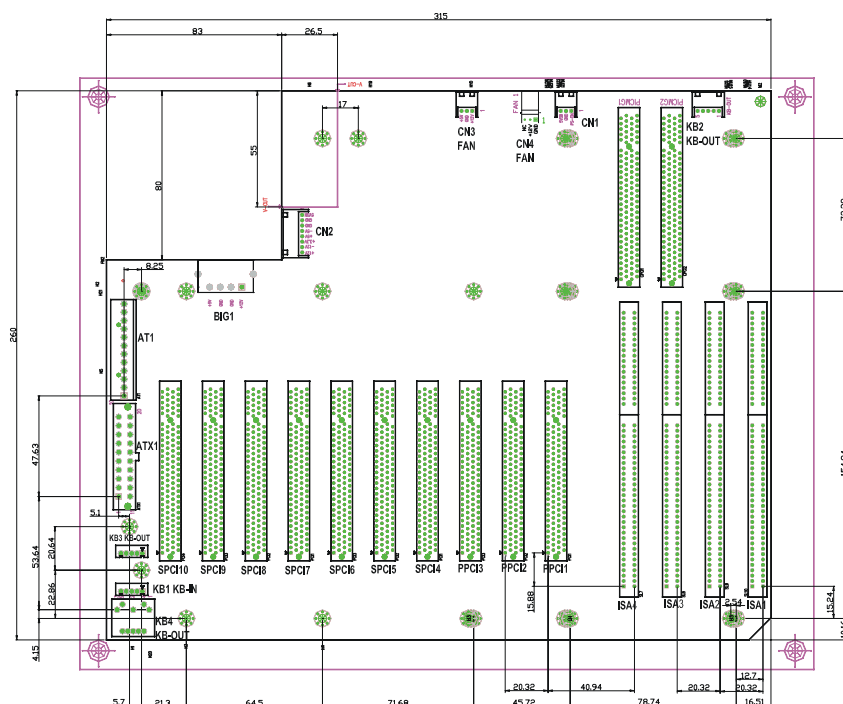


PCA-6114P10-B: 14-slot backplane 1 CPU/ 10 PCI/ 3 ISA Rev. B1-03

size: 315x260mm



1. Connectors

Connector	Description
ISA3~ISA4	16 Bit ISA Bus connector
PPCI1~PPCI	32 Bit PCI Bus connector (Primary)
SPCI4~SPCI	32 Bit PCI Bus connector (Secondary)
ISA1~ISA2	PICMG connector
KB1	KB-In, from CPU card K/B connector
KB2~KB3	KB-Out, 5 pin external K/B connector
KB4	KB-Out, 5 pin AT external K/B connector
BIG1	Big 4 Pin Power connector
AT1	AT Power connector
ATX1	ATX Power connector
CN1	PS-ON Function, to CPU card for ATX
CN2	8 pin Alarm Board Power connector
CN3 FAN	3 pin +5V and +12V FAN connector
CN4 FAN	(reserved)

2. Pin Assignments

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

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

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

CN4 FAN	
Pin	Name
1	+12V
2	GND
3	+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

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

KB-1/KB-2/KB-3	
Pin	Name
1	KBCLK
2	KBDATA
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

3. Jumper J1: Power Type Select (reserved)

J1	
open	ATX
closed*	AT

* Default setting: closed

The PCA-6114P10-B can also support 3.3V power. If 3.3V power is needed while using an AT power supply, please contact Advantech sales for customization.

4. PCI Routing Table

Primary PCI Group					
PCI Slot	IDSEL	PCI interrupt Pin Route (Primary Group)			
		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

Secondary PCI Group					
PCI Slot	IDSEL	PCI interrupt Pin Route (Secondary Group)			
		INTA	INTB	INTC	INTD
SPCI1	AD20	INTA	INTB	INTC	INTD
SPCI2	AD21	INTB	INTC	INTD	INTA
SPCI3	AD22	INTC	INTD	INTA	INTB
SPCI4	AD23	INTD	INTA	INTB	INTC
SPCI5	AD24	INTA	INTB	INTC	INTD
SPCI6	AD25	INTB	INTC	INTD	INTA
SPCI7	AD26	INTC	INTD	INTA	INTB

5. Detachable Board

Depending on chassis usage, users may need to remove the detachable board along the dotted lines.