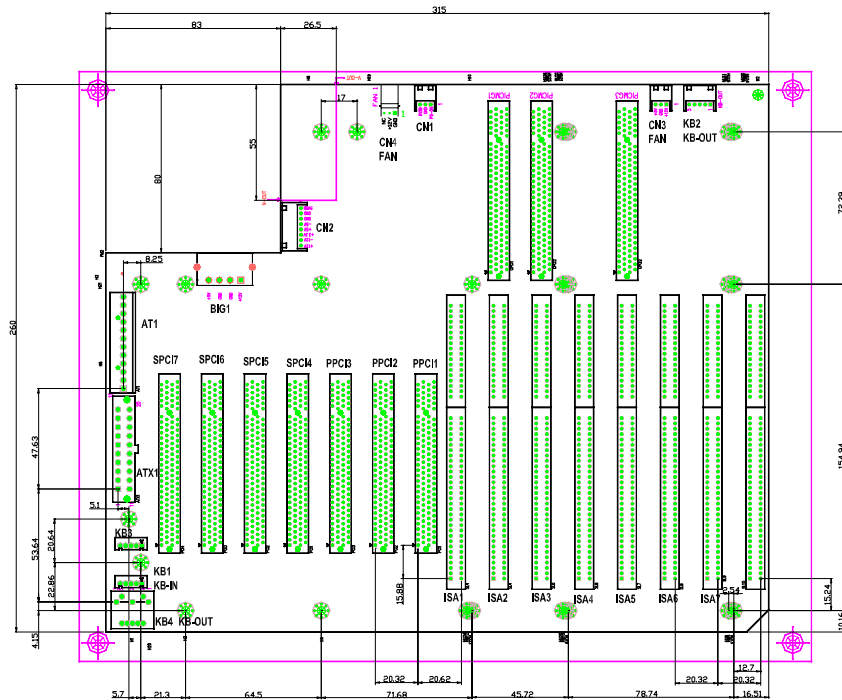


PCA-6114P7-D: 14-slot backplane 1 CPU/ 7 PCI/ 6 ISA Rev. D1-01

size: 315x260mm



1. Connectors

Connector	Description
ISA1, 4, 6~8	16 Bit ISA Bus connector
PPC11 ~ PPC13	32 Bit PCI Bus connector (primary)
SPC14 ~ SPC17	32 Bit PCI Bus connector (secondary)
ISA2~3,5	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 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 power signal
CN2	8 pin Alarm Board Power connector
CN3 FAN	3 pin +5V and +12V Fan connector
CN4 FAN (reserved)	3 pin +12V DC Fan connector
J11	ID Select (primary)
J12	ID Select (secondary)

2. Pin Assignments

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 FAN	
PIN	Name
1	+12V
2	GND
3	+5V

CN4 FAN	
PIN	Name
1	+12V
2	GND
3	+5V

BIG 1	
PIN	Name
1	+12V
2	GND
3	GND
4	+5V

KB1~3	
PIN	Name
1	KBCLK
2	KBDAT
3	NC
4	KBGN
5	KBVC

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

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

3. Jumper Settings

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.

Jumpers J11/J12

J11/J12					
J11 (IDSEL)	PCI Slot	PIN	J12 (IDSEL)	PCI Slot	PIN
PA_D27	PCI1	1,2	PA_D26	PCI2	1,2
PA_D31	PCI1	2,3*	PA_D30	PCI2	2,3*

* default

4. PCI Routing Table

PCI Group					
PCI Slot	IDSEL	PCI interrupt Pin Route			
		INTA	INTB	INTC	INTD
PCI1	AD31	INTB	INTC	INTD	INTA
PCI2	AD30	INTC	INTD	INTA	INTB
PCI3	AD29	INTD	INTA	INTB	INTC
PCI4	AD20	INTA	INTB	INTC	INTD
PCI5	AD21	INTB	INTC	INTD	INTA
PCI6	AD22	INTC	INTD	INTA	INTB

5. Detachable Board

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