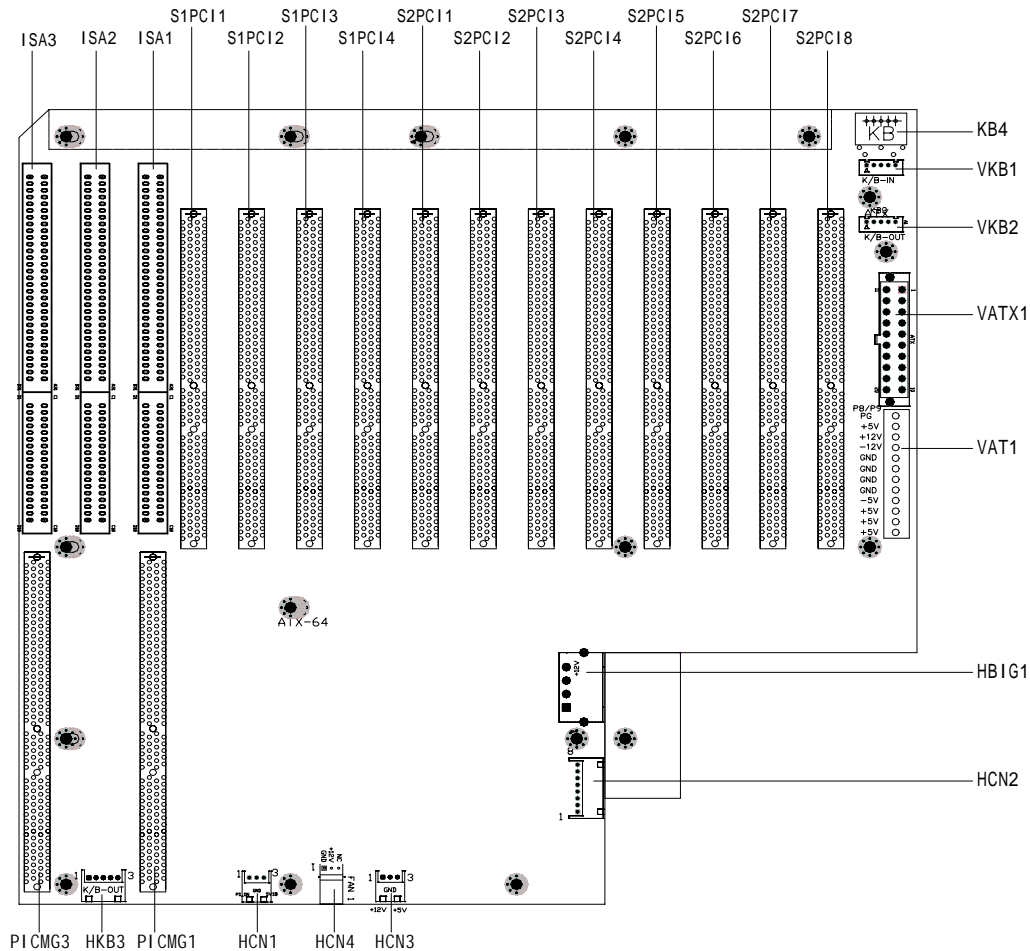


PCA-6114P12X-A1:

14 slot 64-bit BP, 1ISA, 11PCI, 1PICMG, 1 PICMG/PCI, Rev. A1

1. Connectors



Connector	Description
ISA2	16 Bit ISA Bus connector
ISA1,ISA3	ISA connector for PICMG slot
PICMG1,PICMA3	PICMG connector (PCI slot is PICMGA1,PICMGA3)
S1PCI1~S1PCI4	64 Bit/ 66/33 MHz PCI Bus connector (Secondary_A)
S2PCI1 ~ S2PCI8	64 Bit/ 33 MHz PCI Bus connector (Secondary_B)
VKB1	KB-In, from CPU card K/B connector (180°)
VKB2	KB-Out, 5 pin external K/B connector (180°)
HKB3	KB-Out, 5 pin external K/B connector(90°)
KB4	KB-Out, 5 PS/2 external K/B connector
HBIG1	Big 4 Pin Power connector (90°)
VAT1	AT Power connector (180°)
VATX1	ATX Power (180°)
HCN1	PS-ON Function, to CPU card for ATX Power signal, 3 pin connector (90°)
HCN2	8 pin Alarm Board Power connector (90°)
HCN3	3 pin +5V and +12V Power connector (90°)
HCN4	3 pin +12V DC Fan connector (reserved) (90°)

2. Connector pin definition:

VKB1-VKB2,HKB3	
Pin	Name
1	KBCLK
2	KBDATA
3	NC
4	KBGND
5	KBVCC

HBI61	
Pin	Name
1	+12V
2	GND
3	GND
4	+5V

VAT1	
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

VATX1	
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

KB4	
Pin	Name
1	KBCLK
2	KBDATA
3	NC
4	KBGND
5	KBVCC

HCN1	
Pin	Name
1	PS-ON
2	GND
3	5VSB

HCN2	
Pin	Name
1	5VSB
2	GND
3	GND
4	-5V
5	+5V
6	+3.3V
7	-12V
8	+12V

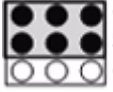
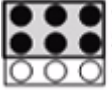
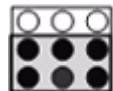
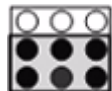
HCN3	
Pin	Name
1	+12V
2	GND
3	+5V

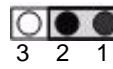
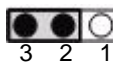
HCN4 (reserved)	
Pin	Name
1	GND
2	+12V
3	NC

3. PCI routing table

SecondaryPCI group1 SLOT	ID SEL	PCI interrupt pin route			
		INTA	INTB	INTC	INTD
S1PCI1	S1_AD20	INTD	INTA	INTB	INTC
S1PCI2	S1_AD21	INTA	INTB	INTC	INTD
S1PCI3	S1_AD22	INTB	INTC	INTD	INTA
S1PCI4	S1_AD23	INTC	INTD	INTA	INTB
S2PCI1	S_AD20	INTA	INTB	INTC	INTD
S2PCI2	S_AD21	INTB	INTC	INTD	INTA
S2PCI3	S_AD22	INTC	INTD	INTA	INTB
S2PCI4	S_AD23	INTD	INTA	INTB	INTC
S2PCI5	S_AD24	INTA	INTB	INTC	INTD
S2PCI6	S_AD25	INTB	INTC	INTD	INTA
S2PCI7	S_AD26	INTC	INTD	INTA	INTB
S2PCI8	S_AD27	INTD	INTA	INTB	INTC

4. Jumper select table

Jumper setting	Secondary PCI group1 slots voltage	Jumper setting	Secondary PCI group2 slots voltage
 +3.3V S_VIO +5V J2	Secondary PCI group1 VIO set to +3.3V	 +3.3V S_VIO +5V J3	Secondary PCI group2 VIO set to +3.3V
 +3.3V S_VIO +5V J2	Secondary PCI group1 VIO set to +5V	 +3.3V S_VIO +5V J3	Secondary PCI group2 VIO set to +5V

Jumper setting	J1	PCI Bus Frequency
 3 2 1 J1	1~2	Secondary PCI group1 : 66MHz
 3 2 1 J1	2~3	Secondary PCI group1 : 33MHz

5. Board diagramm

