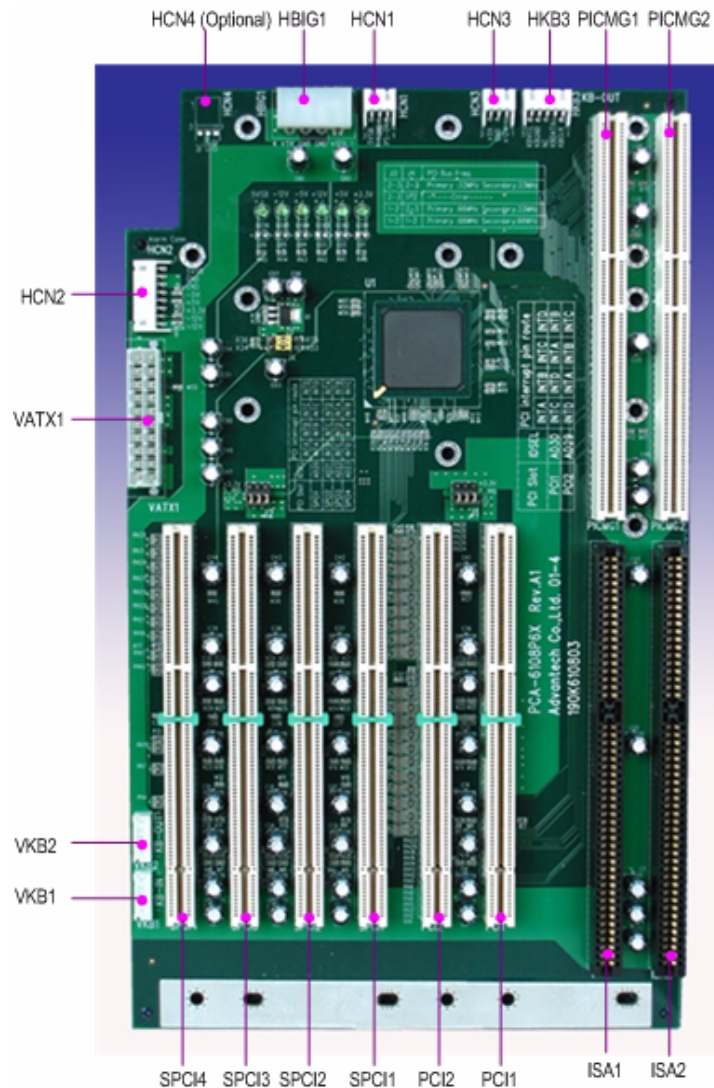


# PCA-6108P6X-0A1

8 slot 64-bit Backplane, 6PCI, 2PICMG Rev. A101

## 1. Connectors



Connector	Description
PCI1 ~ PCI2	64 Bit PCI Bus connector (Primary Group)
SPC11 ~ SPC14	64 Bit PCI Bus connector (Secondary Group)
PICMG1 ~ PICMG2	64 bit PICMG connector (PCI slot is PICMG)
ISA1-ISA2	16 Bit ISA Bus connector for PICMG1, PICMG2
VKB1	KB-In, from CPU card K/B connector
VKB2, HKB3	KB-Out, 5 pin external K/B connector
HBIG1	Big 4 Pin Power connector (90°)
VATX1	ATX Power connector (reserved) (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	

HBIG1	
Pin	Name
1	+12V
2	GND
3	GND
4	+5V

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

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

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

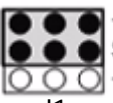
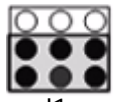
HCN4 (Optional)	
Pin	Name
1	GND
2	+12V
3	NC


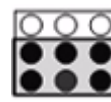
## 3. PCI routing table

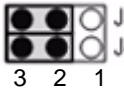
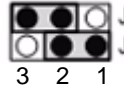
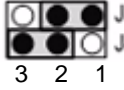
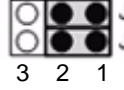
Primary PCISLOT	ID SEL	PCI interrupt pin route			
		INTA	INTB	INTC	INTD
PCI1	AD30	INTC	INTD	INTA	INTB
PCI2	AD29	INTD	INTA	INTB	INTC

Secondary PCI SLOT	ID SEL	PCI interrupt pin route			
		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

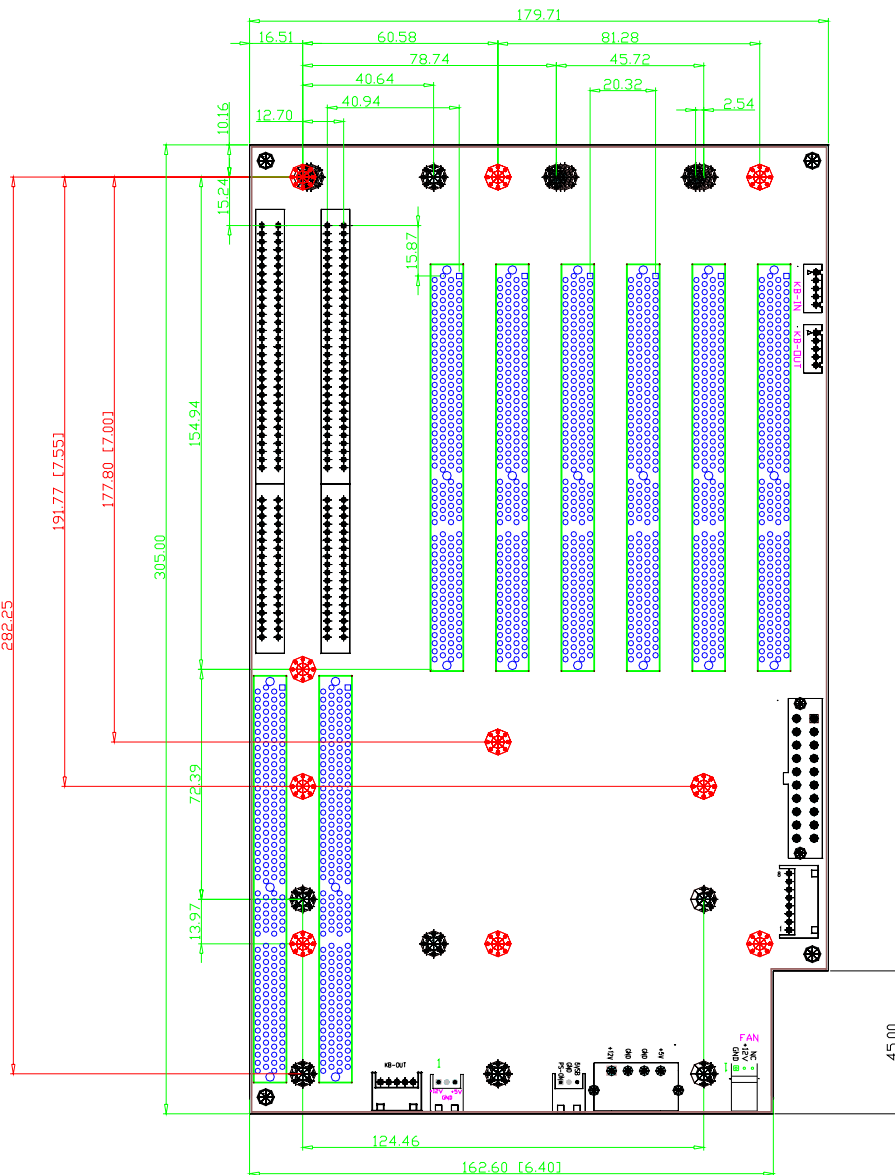
## 4. Jumper setting table

Jumper setting	Primary PCI slots voltage
 +3.3V S_VIO +5V J1	Primary VIO set to +3.3V
 +3.3V S_VIO +5V J1	Primary VIO set to +5V

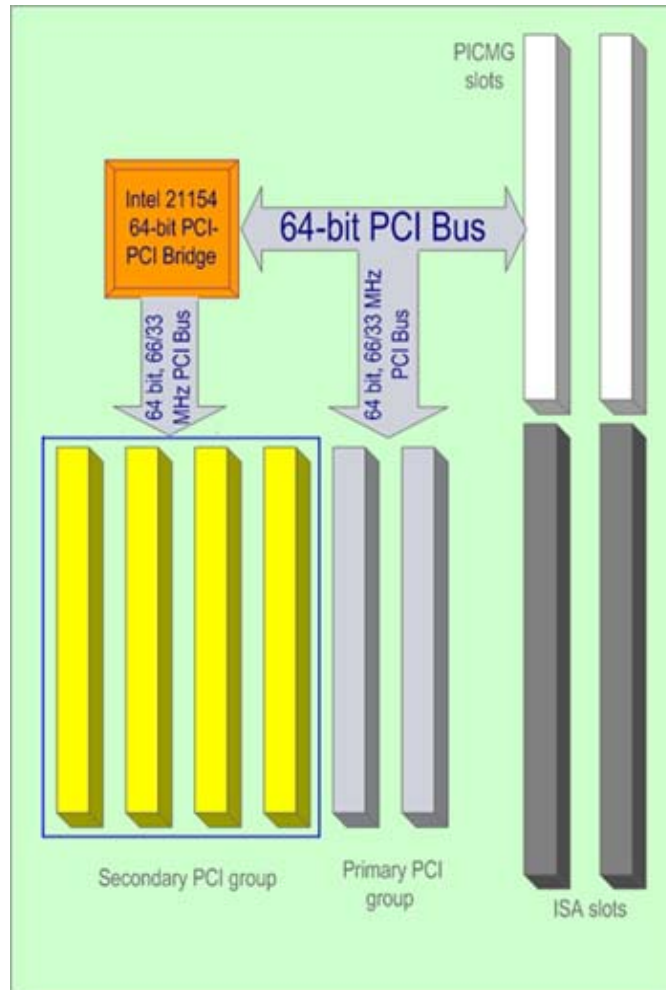
Jumper setting	Secondary PCI slots voltage
 +3.3V S_VIO +5V J2	Secondary VIO set to +3.3V
 +3.3V S_VIO +5V J2	Secondary VIO set to +5V

Jumper setting	J3	J4	PCI Bus Frequency
	2~3	2~3	Primary : 33MHz; Secondary : 33MHz
	2~3	1~2	----- Error -----
	1~2	2~3	Primary : 66MHz; Secondary : 33MHz
	1~2	1~2	Primary : 66MHz; Secondary : 66MHz

## 5. Mechanical dimensions



## 6. Board diagram



## 7. Packing list

Part Number	Discription
1700600120	Key Board connector - CPU Card 40cm cable
2000000082	PCA-6108P6X-0A1 User's Manual 1st. ED
1939000410	M4*6*0.7 Round Screws [ Cont:15]
2190000902	2 years quality warranty card

## 8. Ordering Information

Part Number	Discription
PCA-6108P6X-0A1	8 slot 64-bit backplane, 6PCI, 2PICMG with standard package

## 9. Note:

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