

PICMG V1.3 RC1.0 BACKPLANE

(P/N: 79N2U22000X00)

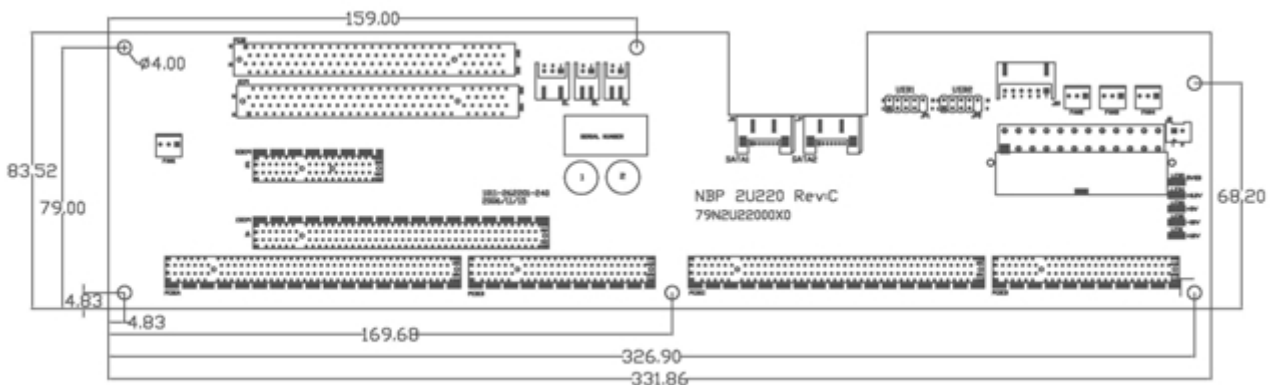
USER MANUAL

1. PICMG V1.3RC1.0 BACKPLANE FEATURE SET:

- Support PICMG Ver 1.3RC1.0 SHB slot X 1.
- Support PCI-E 16X slot X 1.
- Support PCI-E 4X slot X 1.
- Support PCI 32 bit 5V slots X 2.
- Support USB right angle pin header X 2.
- Support SATA right angle connectors X 2.
- Support ATX/BTX 24P right angle power connector X 1.
- Support 3 pin 2.54mm wafer right angle fan connectors X 4.
- Support 6 pin 2.5mm wafer right angle switch connector X 1
- Support DC power on green color LED for +3.3V, +12V, +5V, -12V and 5VSB.

2. PCB Layout: 4 layer thickness 1.6mm.

- Dimension: 331.86 mm X 83.52mm X 1.6 mm:

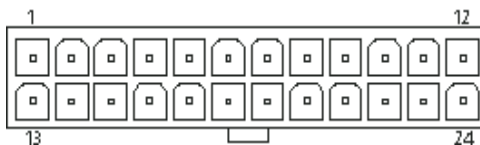


3. PCB Connectors:

Item	Connector	Description
1	PCIA,B,C,D	PICMG Rev 1.3RC1.0 SHB slot
2	PCIE1	PCIE X16 connector
3	PCIE2	PCIE X4 connector
4	PCI1,2	PCI 32 BIT 5V connectors
5	J1	ATX(BTX) 24 pin power connector
6	J2	P/S ON connector
7	J3	Wake up connector
8	J4	Smbus connector
9	J5	IPMB bus connector
10	J6,J7	Serial ATA bus connector
11	JP1,JP2	USB ports
12	J10	Power on, reset,+5V right angle 6P wafer
13	FAN1,2,3,4	3 pin 2.54mm FAN connectors
14	DS1	PCIE port select

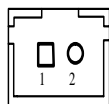
4.Pin Assignment

- J1 ATX 24 pin Connector:



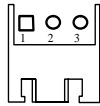
Pin	Signal	Pin	Signal
1	+3.3VDC	13	+3.3VDC
2	+3.3VDC	14	-12VDC
3	GND	15	GND
4	+5VDC	16	PS-ON
5	GND	17	GND
6	+5VDC	18	GND
7	GND	19	GND
8	POWER-OK	20	N/C
9	+5VSB	21	+5VDC
10	+12VDC	22	+5VDC
11	+12VDC	23	+5VDC
12	+3.3VDC	24	GND

- J2 P/S ON Connector:



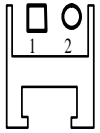
Pin	Signal	Pin	Signal
1	PS-ON	2	GND

- **J3 wake up Connector:**



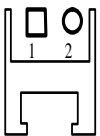
Pin	Signal	Pin	Signal	Pin	Signal
1	+5VSB	2	GND	3	PME

- **J4 SMBus Connector:**



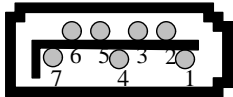
Pin	Signal	Pin	Signal
1	SMCLK	2	SMDAT

- **J5 IPMB bus Connector:**



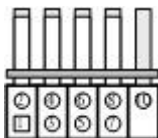
Pin	Signal	Pin	Signal
1	IPMB_CL	2	IPMB_DA

- **J6,J7 SATA right angle Connector:**



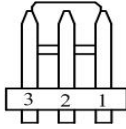
Pin	Signal
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

- **J4,J5 USB 2.54mm right angle Pin header:**



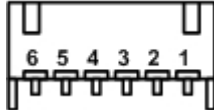
Pin	Signal
1	USB5V
2	USB5V
3	UDAT0-
4	UDAT1-
5	UDAT0+
6	UDAT1+
7	GND
8	GND
9	KEY
10	N/C

- **FAN1,FAN2,FAN3,FAN4 FAN Connector:**



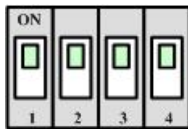
Pin	Signal	Pin	Signal	Pin	Signal
1	GND	2	+12VDC	3	N/C

- **J3 6 Pin wake up connector:**



Pin	Signal
1	Reset
2	GND
3	PSW
4	GND
5	+5V
6	GND

- **DS1 switch set table:**



SW	Signal	
1	ON PCIE PORT A0X8 OR X4 OFF PCIE PORT A0X16	PCIE 1 SET
2	ON PCIE PORT A0X4,A1X4 OFF PCIE PORT A0X8	
3	ON PCIE PORT A2X4,A3X4 OFF PCIE PORT A2X8	
4	ON PCIE PORT B0-B3X1 OFF PCIE PORT B0X4	PCIE 2 SET