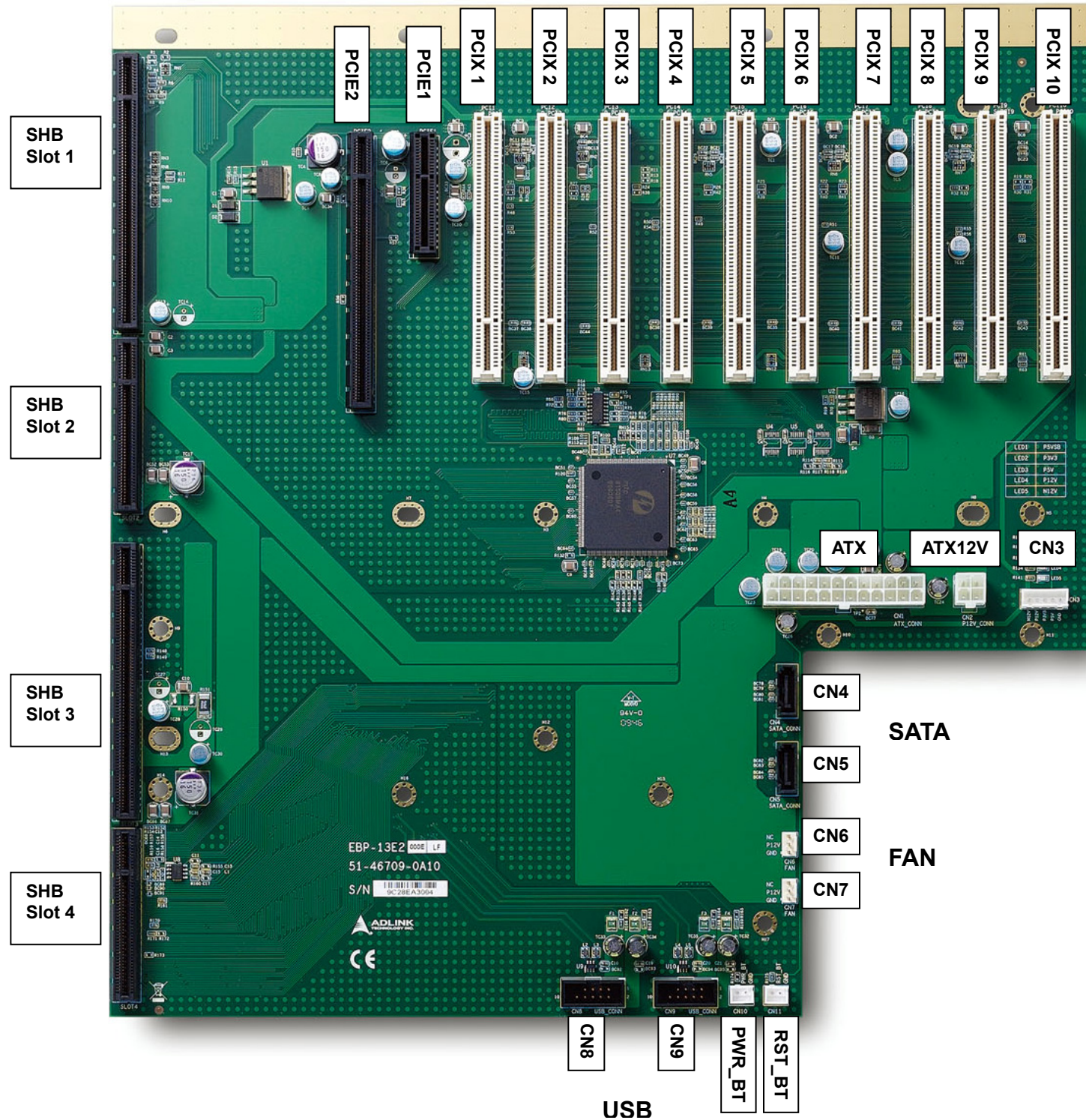
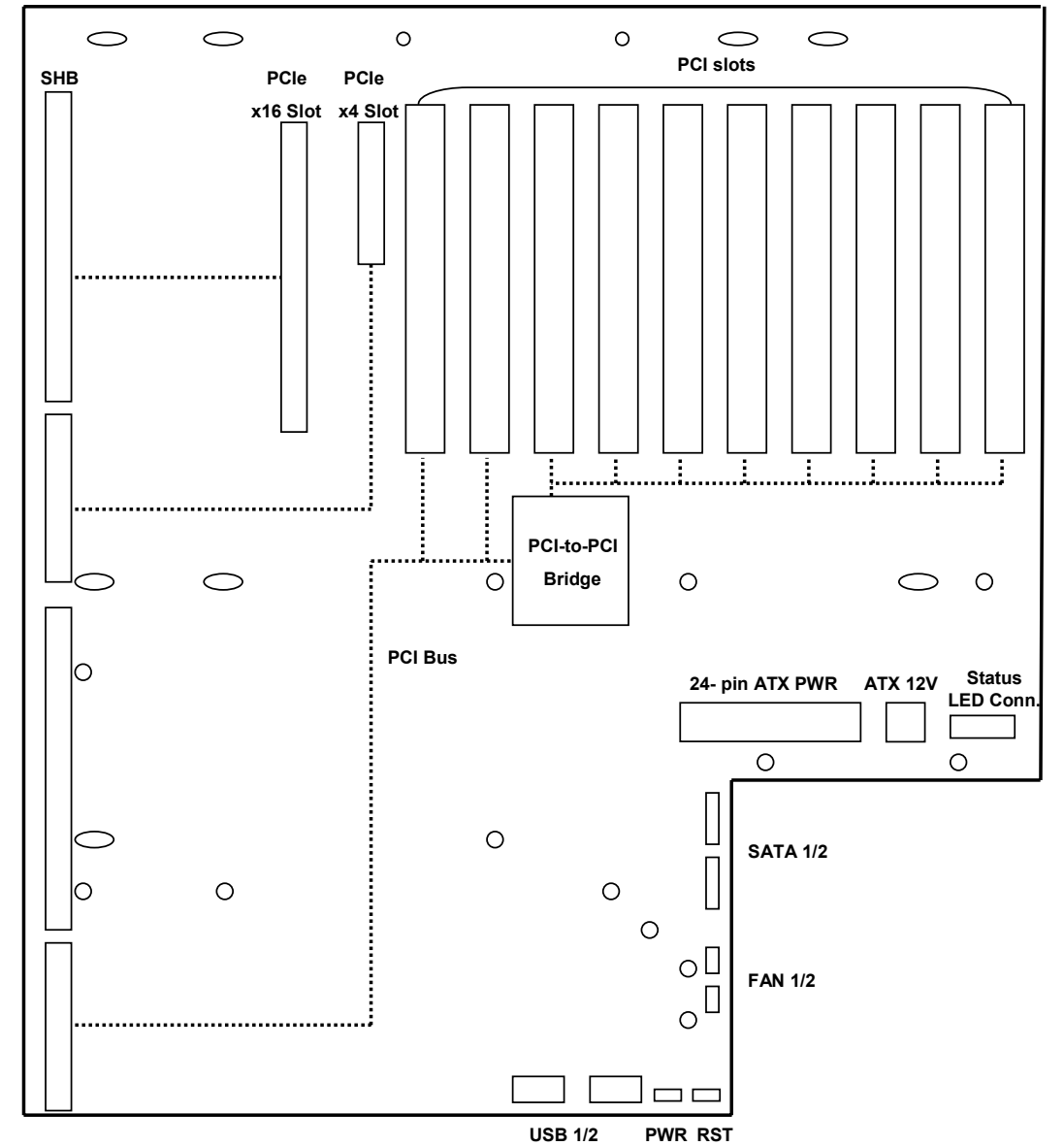


# EBP-13E2 PICMG 1.3 Backplane

## Backplane Layout



## Block Diagram

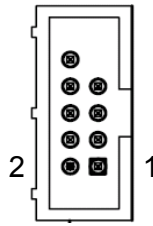


## Specifications

<b>Form Factor</b>	PICMG 1.3 Backplane for full-size SHB
<b>Dimensions</b>	328 mm x 318 mm
<b>SHB Slots</b>	1
<b>PCI Express Slots</b>	1 PCIe x16, 1 PCIe x4
<b>PCI slots</b>	10
<b>Peripheral Connectors</b>	2 USB connectors (4 ports), 2 SATA connectors
<b>Misc. Connectors</b>	2 Fan connectors, Power/Reset connectors
<b>Power Requirement</b>	ATX (1x 24-pin ATX connector, 1x 4-pin ATX 12V connector)

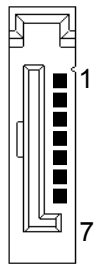
**Connectors**

**CN8/CN9 - USB Connector**  
(2x5 box header, 2.54mm pitch)



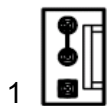
Pin	Signal
1	USBVCC
2	USBVCC
3	USB_N1
4	USB_N2
5	USB_P1
6	USB_P2
7	Ground
8	Ground
9	N/A
10	NC

**CN4/CN5 - SATA Connectors**  
(7P L-connector, 1.27 mm pitch)



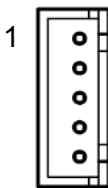
Pin	Signal
1	Ground
2	TXP
3	TXN
4	Ground
5	RXN
6	RXP
7	Ground

**CN6/CN7 - Fan Power Connectors**  
(1x3 Wafer connector, 2.5 mm pitch)



Pin	Signal
1	Ground
2	+12V
3	NC

**CN3 – Status LED Connector**  
(1x5 Wafer connector, 2.5 mm pitch)

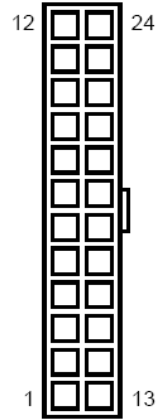


Pin	Signal
1	Ground
2	+5V
3	+3.3V
4	+12V
5	-12V

Note: Pin signals are actual voltages.

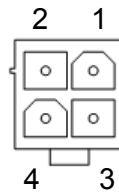
**Connectors**

**CN1 - ATX Power Connector**



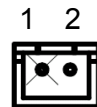
Pin	Signal	Pin	Signal
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS-ON#
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	PWRGD	20	NC
9	+5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	GND

**CN2 – ATX 12V Connector**



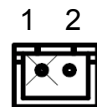
Pin	Signal
1	GND
2	GND
3	+12V
4	+12V

**CN10 - Power Button Connector**  
(1x2 Wafer connector, 2.5 mm pitch)



Pin	Signal
1	PWRBT
2	GND

**CN11 - Reset Button Connector**  
(1x2 Wafer connector, 2.5 mm pitch)



Pin	Signal
1	RSTBT
2	GND



**Advance Technologies**  
*Automate the World*

**Contact ADLINK**

Web: <http://www.adlinktech.com>  
Service: [service@adlinktech.com](mailto:service@adlinktech.com)

Tel: +886-2-8226-5877 Fax: +886-2-8226-5717

Copyright © 2011 ADLINK Technology Inc.  
Contents and specifications subject to change without notice.