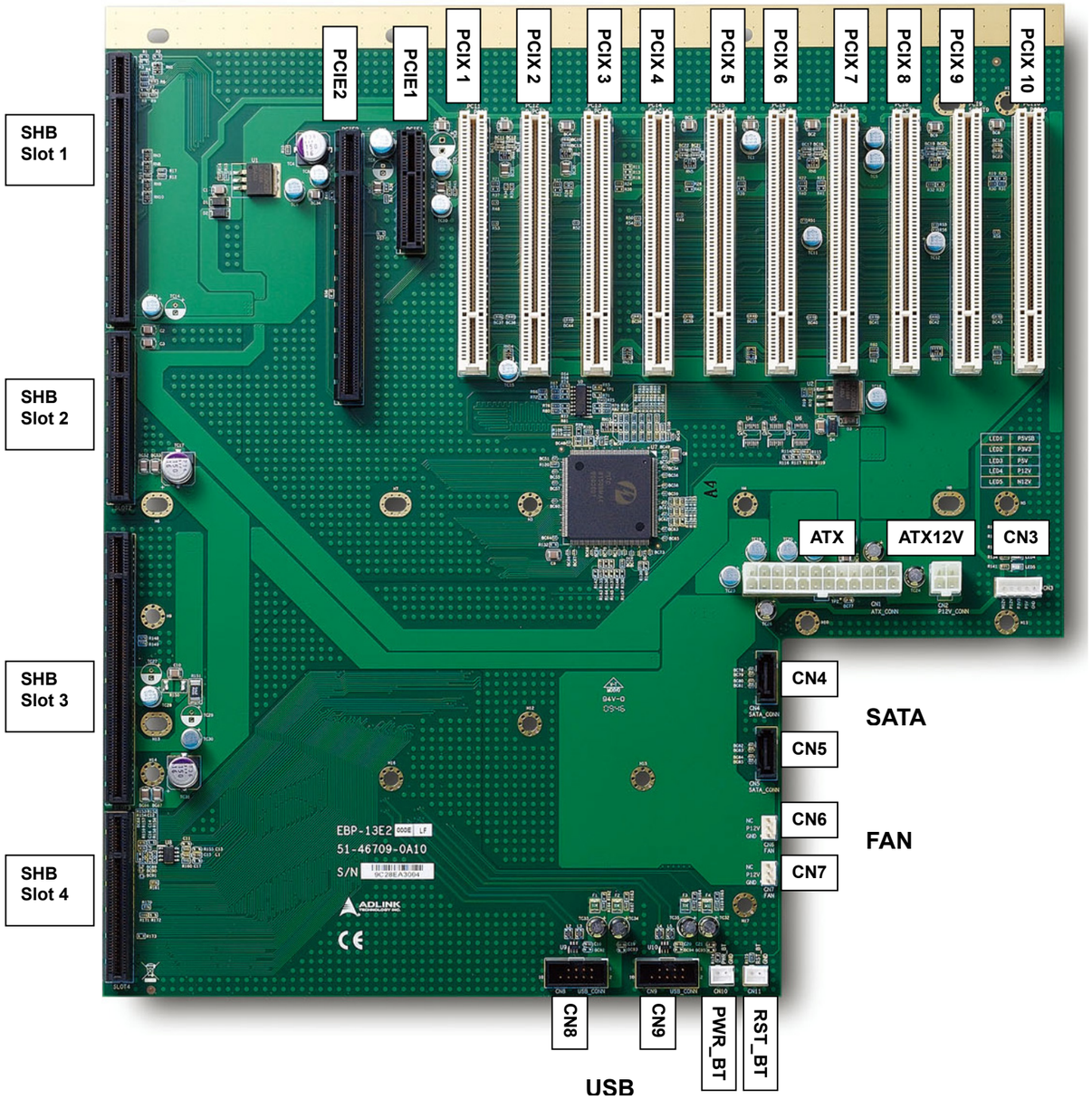
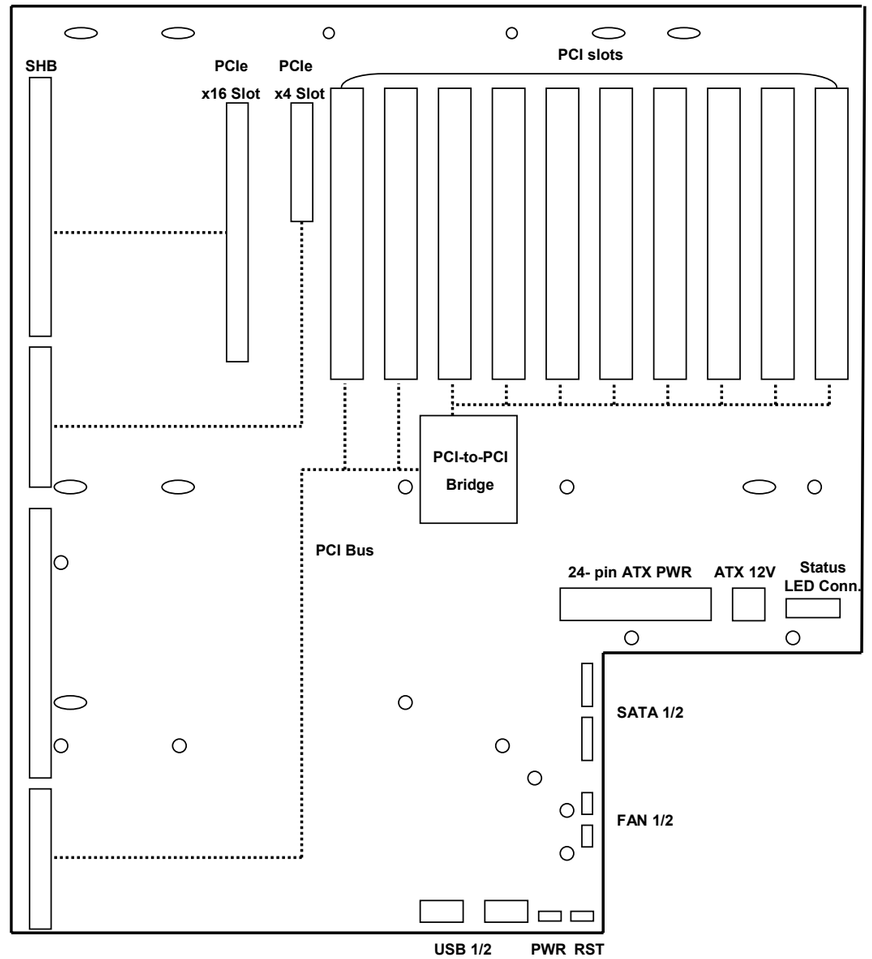
EBP-13E2 PICMG 1.3 Backplane

Backplane Layout



Block Diagram



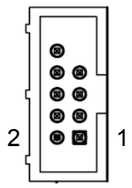
Specifications

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

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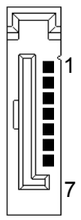
Connectors

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)

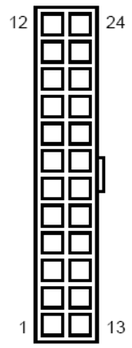


Pin	Signal
1	Ground
2	+5V
3	+3.3V
4	+12V
5	-12V

Note: Pin signals are actual voltages.

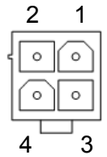
Connectors

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

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