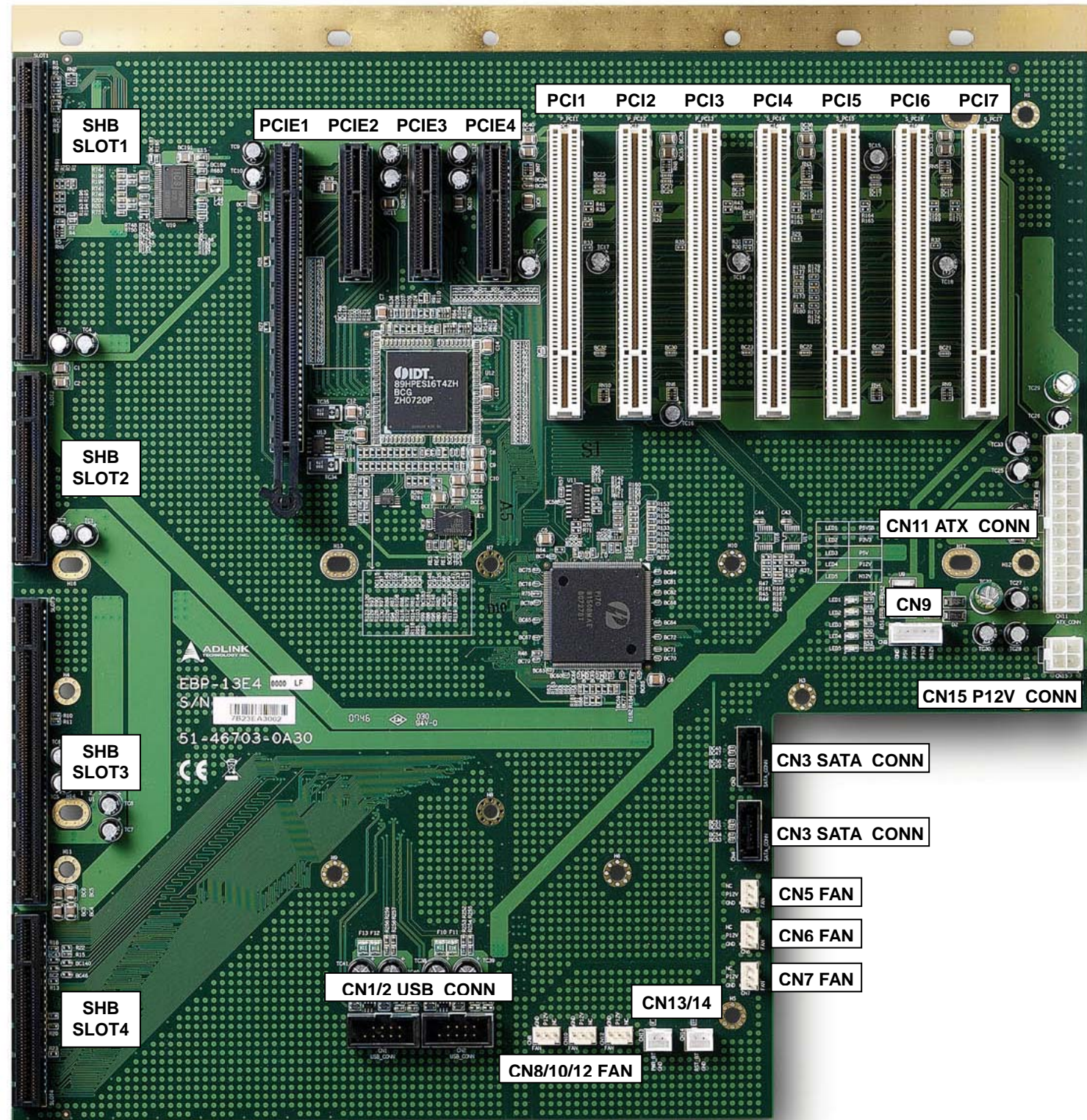
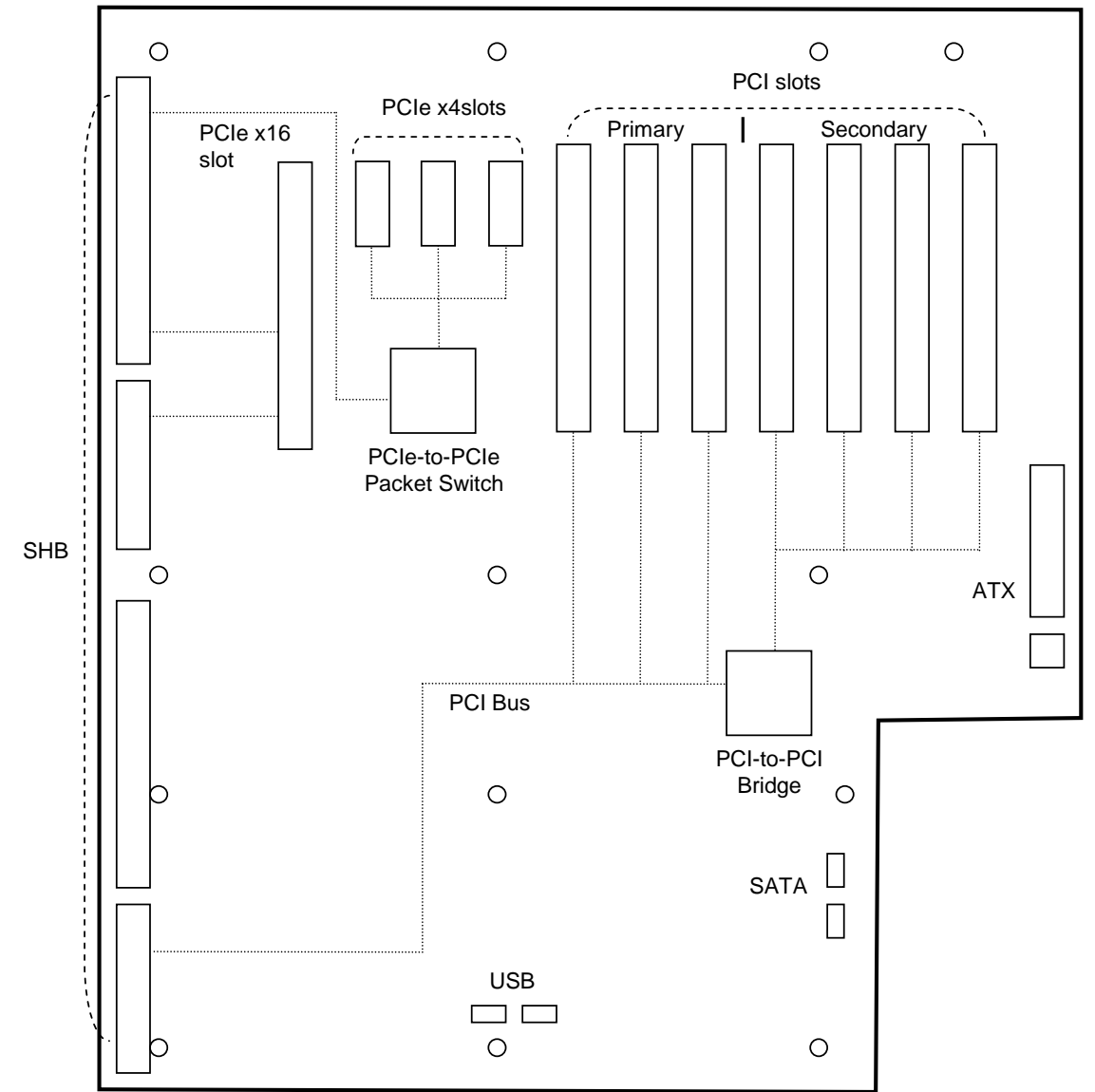


# EBP-13E4 PICMG 1.3 Backplane

## Backplane Layout



## Block Diagram

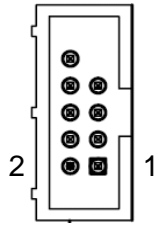


## Specifications

<b>Form Factor</b>	PICMG 1.3 Backplane for full-size SHB
<b>Dimensions</b>	330mm x 318mm
<b>SHB Slots</b>	1
<b>PCI Express Slots</b>	1 PCIe x16, 3 PCIe x4
<b>PCI slots</b>	7
<b>Peripheral Connectors</b>	2 USB connectors (4 ports), 2 SATA connectors
<b>Misc. Connectors</b>	6 Fan connectors, Power/Reset connectors
<b>Power Requirement</b>	ATX (1x 24-pin ATX connector, 1x 4-pin ATX 12V connector)

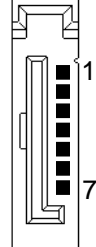
**Connectors**

**CN1/CN2 - USB Connector**




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

**CN3/CN4 - SATA Connectors**



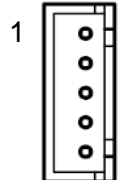
Pin	Signal
1	Ground
2	TXP
3	TXN
4	Ground
5	RXN
6	RXP
7	Ground

**CN5,6,7,8,10,12 - Fan Power Connectors**



Pin	Signal
1	Ground
2	+12V
3	NC

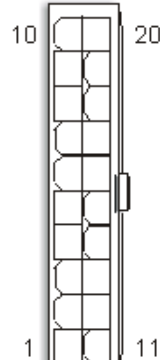
**CN9 - LED Connector**



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


**Connectors**

**CN11 - ATX Power Connector**




Pin	Signal	Pin	Signal
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	Ground	13	Ground
4	+5V	14	PS-ON
5	Ground	15	Ground
6	+5V	16	Ground
7	Ground	17	Ground
8	PW-OK	18	-5V
9	5VSB	19	+5V
10	+12V	20	+5V

**CN13 - Power Button Connector**



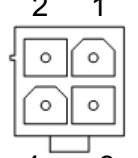
Pin	Signal
1	PWRBT
2	GND

**CN14 - Reset Button Connector**



Pin	Signal
1	RSTBT
2	GND

**CN15 - ATX 12V Connector**



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



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