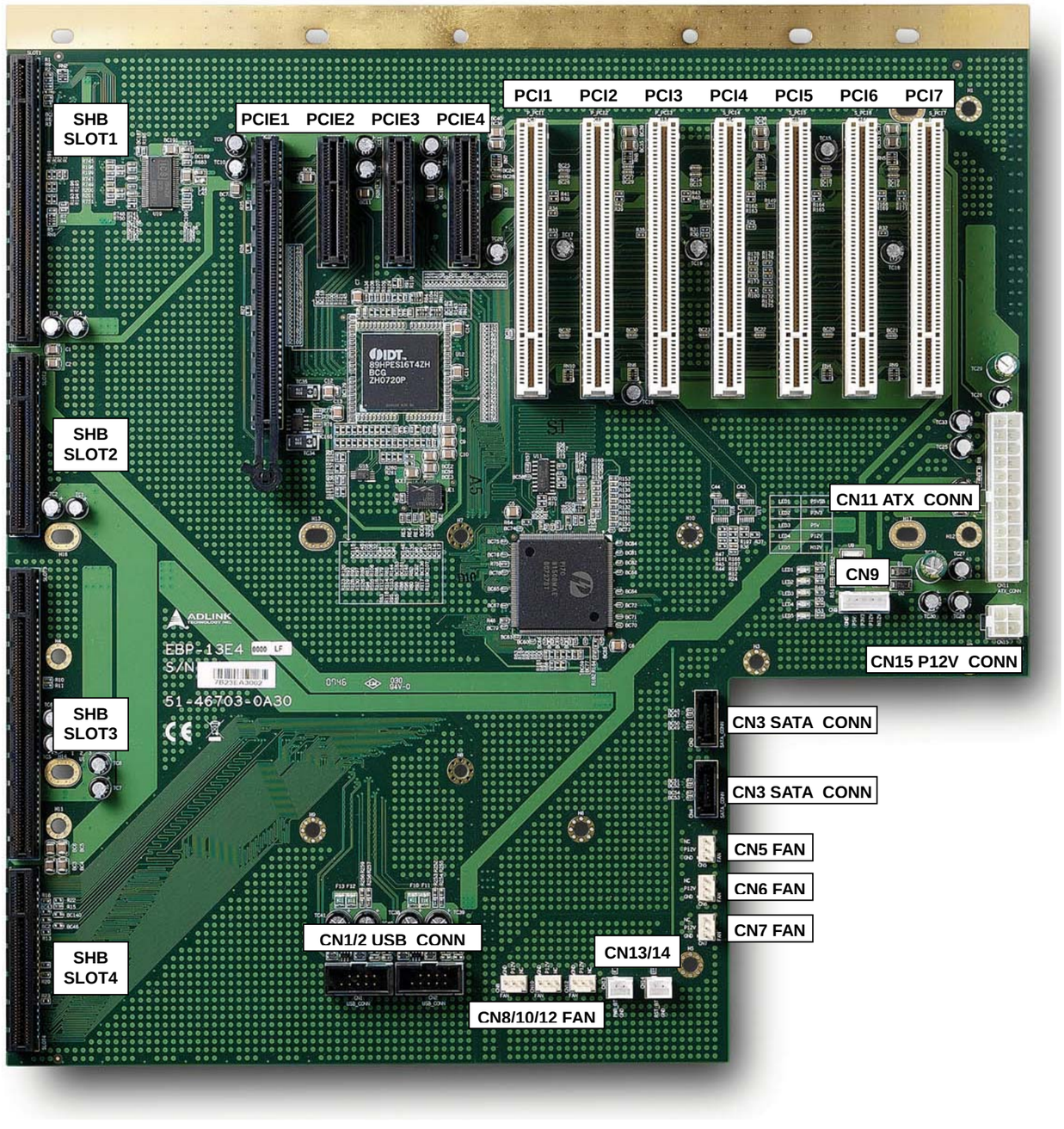
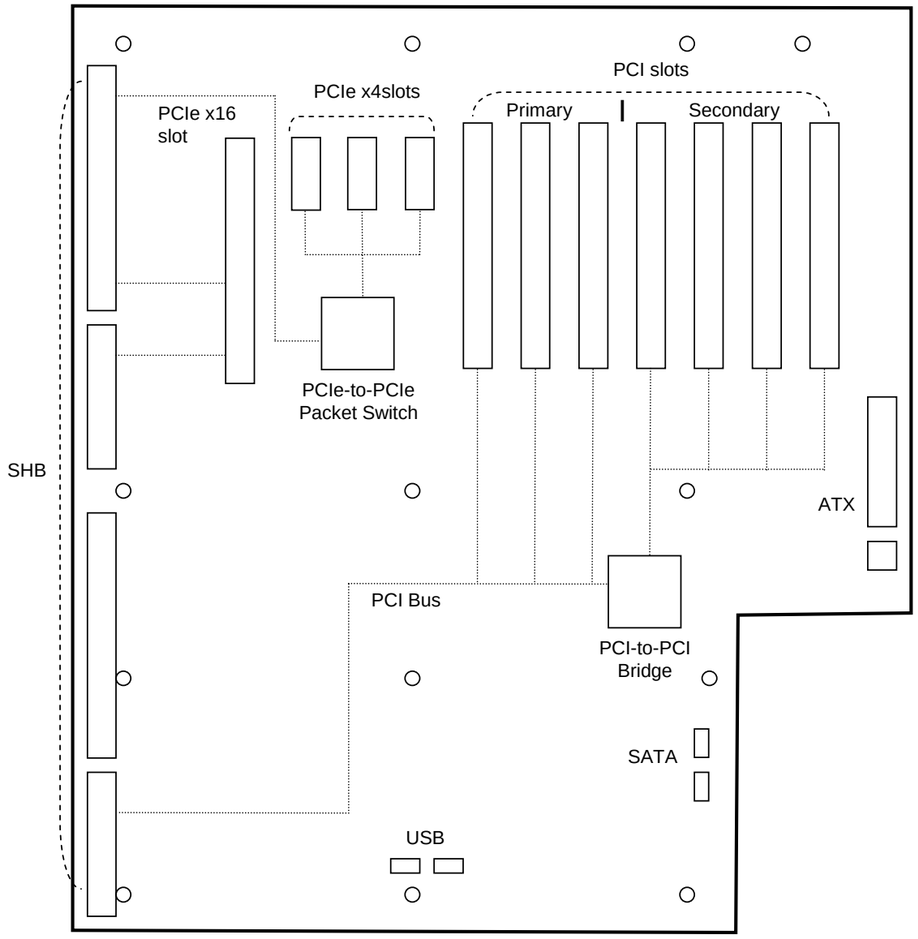
EBP-13E4 PICMG 1.3 Backplane

Backplane Layout



Block Diagram



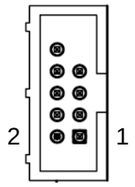
Specifications

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

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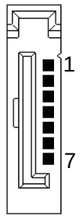
Connectors

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



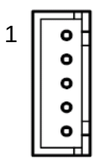
Pin	Signal
1	Ground
2	TXP
3	TXN
4	Ground
5	RXN
6	RXP
7	Ground

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



Pin	Signal
1	Ground
2	+12V
3	NC

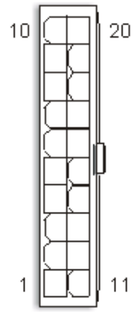
CN9 - LED Connector



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



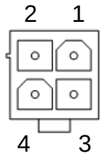
Pin	Signal
1	PWRBT
2	GND

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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