



Backplane Connector Pinouts

CompactPCI PICMG 2.0 R3.0 System Slot 64-bit connector Pin Assignments

Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	CLK6	GND	RSV	RSV	RSV	GND
20	GND	CLK5	GND	RSV	GND	RSV	GND
19	GND	GND	GND	SMB_SDA ⁽¹¹⁾	SMB_SCL ⁽¹¹⁾	SMB_ALERT# ⁽¹¹⁾	GND
18	GND	BRSVP2A18	BRSVP2B18	BRSVP2C18	GND	BRSVP2E18	GND
17	GND	BRSVP2A17	GND	PRST#	REQ6#	GNT6#	GND
16	GND	BRSVP2A16	BRSVP2B16	DEG#	GND	BRSVP2E16	GND
15	GND	BRSVP2A15	GND	FAL#	REQ5#	GNT5#	GND
14	GND	AD[35]	AD[34]	AD[33]	GND	AD[32]	GND
13	GND	AD[38]	GND	V(I/O) ⁽²⁾	AD[37]	AD[36]	GND
12	GND	AD[42]	AD[41]	AD[40]	GND	AD[39]	GND
11	GND	AD[45]	GND	V(I/O) ⁽²⁾	AD[44]	AD[43]	GND
10	GND	AD[49]	AD[48]	AD[47]	GND	AD[46]	GND
9	GND	AD[52]	GND	V(I/O) ⁽²⁾	AD[51]	AD[50]	GND
8	GND	AD[56]	AD[55]	AD[54]	GND	AD[53]	GND
7	GND	AD[59]	GND	V(I/O) ⁽²⁾	AD[58]	AD[57]	GND
6	GND	AD[63]	AD[62]	AD[61]	GND	AD[60]	GND
5	GND	C/BE[5]#	GND	V(I/O) ⁽²⁾	C/BE[4]#	PAR64	GND
4	GND	V(I/O) ⁽²⁾	BRSVP2B4	C/BE[7]#	GND	C/BE[6]#	GND
3 ⁽³⁾	GND	CLK4	GND	GNT3#	REQ4#	GNT4#	GND
2 ⁽³⁾	GND	CLK2	CLK3	SYSEN# ⁽³⁾	GNT2#	REQ3#	GND
1 ⁽³⁾	GND	CLK1	GND	REQ1#	GNT1#	REQ2#	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	GND	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ0#	GND	3.3V ⁽⁴⁾	CLK0	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT0#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F



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21	GND	CLK6	GND	RSV	RSV	RSV	GND
20	GND	CLK5	GND	RSV	GND	RSV	GND
19	GND	GND	GND	SMB_SDA ⁽¹¹⁾	SMB_SCL ⁽¹¹⁾	SMB_ALERT# ⁽¹¹⁾	GND
18	GND	BRSVP2A18	BRSVP2B18	BRSVP2C18	GND	BRSVP2E18	GND
17	GND	BRSVP2A17	GND	PRST#	REQ6#	GNT6#	GND
16	GND	BRSVP2A16	BRSVP2B16	DEG#	GND	BRSVP2E16	GND
15	GND	BRSVP2A15	GND	FAL#	REQ5#	GNT5#	GND
14	GND	AD[35]	AD[34]	AD[33]	GND	AD[32]	GND
13	GND	AD[38]	GND	V(I/O) ⁽²⁾	AD[37]	AD[36]	GND
12	GND	AD[42]	AD[41]	AD[40]	GND	AD[39]	GND
11	GND	AD[45]	GND	V(I/O) ⁽²⁾	AD[44]	AD[43]	GND
10	GND	AD[49]	AD[48]	AD[47]	GND	AD[46]	GND
9	GND	AD[52]	GND	V(I/O) ⁽²⁾	AD[51]	AD[50]	GND
8	GND	AD[56]	AD[55]	AD[54]	GND	AD[53]	GND
7	GND	AD[59]	GND	V(I/O) ⁽²⁾	AD[58]	AD[57]	GND
6	GND	AD[63]	AD[62]	AD[61]	GND	AD[60]	GND
5	GND	C/BE[5]#	GND	V(I/O) ⁽²⁾	C/BE[4]#	PAR64	GND
4	GND	V(I/O) ⁽²⁾	BRSVP2B4	C/BE[7]#	GND	C/BE[6]#	GND
3 ⁽³⁾	GND	CLK4	GND	GNT3#	REQ4#	GNT4#	GND
2 ⁽³⁾	GND	CLK2	CLK3	SYSEN# ⁽³⁾	GNT2#	REQ3#	GND
1 ⁽³⁾	GND	CLK1	GND	REQ1#	GNT1#	REQ2#	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	GND	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ0#	GND	3.3V ⁽⁴⁾	CLK0	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT0#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F

Backplane Connector Pinouts



CompactPCI PICMG 2.0 R3.0 Peripheral Slot 64-bit connector Pin Assignments

Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	RSV	RSV	RSV	RSV	RSV	GND
20	GND	RSV	RSV	RSV	GND	RSV	GND
19	GND	RSV	RSV	RSV	RSV	RSV	GND
18	GND	BRSVP2A18	BRSVP2B18	BRSVP2C18	GND	BRSVP2E18	GND
17	GND	BRSVP2A17	GND	RSV	RSV	RSV	GND
16	GND	BRSVP2A16	BRSVP2B16	RSV	GND	BRSVP2E16	GND
15	GND	BRSVP2A15	GND	RSV	RSV	RSV	GND
14	GND	AD[35]	AD[34]	AD[33]	GND	AD[32]	GND
13	GND	AD[38]	GND	V(I/O) ⁽²⁾	AD[37]	AD[36]	GND
12	GND	AD[42]	AD[41]	AD[40]	GND	AD[39]	GND
11	GND	AD[45]	GND	V(I/O) ⁽²⁾	AD[44]	AD[43]	GND
10	GND	AD[49]	AD[48]	AD[47]	GND	AD[46]	GND
9	GND	AD[52]	GND	V(I/O) ⁽²⁾	AD[51]	AD[50]	GND
8	GND	AD[56]	AD[55]	AD[54]	GND	AD[53]	GND
7	GND	AD[59]	GND	V(I/O) ⁽²⁾	AD[58]	AD[57]	GND
6	GND	AD[63]	AD[62]	AD[61]	GND	AD[60]	GND
5	GND	C/BE[5]#	GND	V(I/O) ⁽²⁾	C/BE[4]#	PAR64	GND
4	GND	V(I/O) ⁽²⁾	BRSVP2B4	C/BE[7]#	GND	C/BE[6]#	GND
3(3)	GND	RSV	GND	RSV	RSV	RSV	GND
2(3)	GND	RSV	RSV	UNC ⁽³⁾	RSV	RSV	GND
1(3)	GND	RSV	GND	RSV	RSV	RSV	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	BD_SEL# ⁽⁶⁾	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	IDSEL ⁽⁶⁾	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ#	GND	3.3V ⁽⁴⁾	CLK	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F



Backplane Connector Pinouts

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Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	CLK6	GND	BP(I/O)	BP(I/O)	BP(I/O)	GND
20	GND	CLK5	GND	BP(I/O)	BP(I/O)	BP(I/O)	GND
19	GND	GND	GND	SMB_SDA ⁽¹¹⁾	SMB_SCL ⁽¹¹⁾	SMB_ALERT# ⁽¹¹⁾	GND
18	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
17	GND	BP(I/O)	BP(I/O)	PRST#	REQ6#	GNT6#	GND
16	GND	BP(I/O)	BP(I/O)	DEG#	GND	BP(I/O)	GND
15	GND	BP(I/O)	BP(I/O)	FAL#	REQ5#	GNT5#	GND
14	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
13	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
12	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
11	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
10	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
9	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
8	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
7	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
6	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
5	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
4	GND	V(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
3(3)	GND	CLK4	GND	GNT3#	REQ4#	GNT4#	GND
2(3)	GND	CLK2	CLK3	SYSEN# ⁽³⁾	GNT2#	REQ3#	GND
1(3)	GND	CLK1	GND	REQ1#	GNT1#	REQ2#	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB SCL	IPMB SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	GND	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ0#	GND	3.3V ⁽⁴⁾	CLK0	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT0#	GND
4	GND	IPMBPWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F

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21	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
20	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
19	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
18	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
17	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
16	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
15	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
14	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
13	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
12	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
11	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
10	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
9	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
8	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
7	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
6	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
5	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
4	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
3	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
2	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
1	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	BD_SEL# ⁽⁵⁾	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	IDSEL ⁽⁶⁾	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ#	GND	3.3V ⁽⁴⁾	CLK	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F

Backplane Connector Pinouts



CompactPCI PICMG 2.0 R3.0 Peripheral Slot 64-bit connector Pin Assignments

Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	RSV	RSV	RSV	RSV	RSV	GND
20	GND	RSV	RSV	RSV	GND	RSV	GND
19	GND	RSV	RSV	RSV	RSV	RSV	GND
18	GND	BRSVP2A18	BRSVP2B18	BRSVP2C18	GND	BRSVP2E18	GND
17	GND	BRSVP2A17	GND	RSV	RSV	RSV	GND
16	GND	BRSVP2A16	BRSVP2B16	RSV	GND	BRSVP2E16	GND
15	GND	BRSVP2A15	GND	RSV	RSV	RSV	GND
14	GND	AD[35]	AD[34]	AD[33]	GND	AD[32]	GND
13	GND	AD[38]	GND	V(I/O) ⁽²⁾	AD[37]	AD[36]	GND
12	GND	AD[42]	AD[41]	AD[40]	GND	AD[39]	GND
11	GND	AD[45]	GND	V(I/O) ⁽²⁾	AD[44]	AD[43]	GND
10	GND	AD[49]	AD[48]	AD[47]	GND	AD[46]	GND
9	GND	AD[52]	GND	V(I/O) ⁽²⁾	AD[51]	AD[50]	GND
8	GND	AD[56]	AD[55]	AD[54]	GND	AD[53]	GND
7	GND	AD[59]	GND	V(I/O) ⁽²⁾	AD[58]	AD[57]	GND
6	GND	AD[63]	AD[62]	AD[61]	GND	AD[60]	GND
5	GND	C/BE[5]#	GND	V(I/O) ⁽²⁾	C/BE[4]#	PAR64	GND
4	GND	V(I/O) ⁽²⁾	BRSVP2B4	C/BE[7]#	GND	C/BE[6]#	GND
3(3)	GND	RSV	GND	RSV	RSV	RSV	GND
2(3)	GND	RSV	RSV	UNC ⁽³⁾	RSV	RSV	GND
1(3)	GND	RSV	GND	RSV	RSV	RSV	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	BD_SEL# ⁽⁶⁾	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	IDSEL ⁽⁶⁾	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ#	GND	3.3V ⁽⁴⁾	CLK	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F



Backplane Connector Pinouts

CompactPCI PICMG 2.0 R3.0 System Slot 32-bit connector Pin Assignments

Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	CLK6	GND	BP(I/O)	BP(I/O)	BP(I/O)	GND
20	GND	CLK5	GND	BP(I/O)	BP(I/O)	BP(I/O)	GND
19	GND	GND	GND	SMB_SDA ⁽¹¹⁾	SMB_SCL ⁽¹¹⁾	SMB_ALERT# ⁽¹¹⁾	GND
18	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
17	GND	BP(I/O)	BP(I/O)	PRST#	REQ6#	GNT6#	GND
16	GND	BP(I/O)	BP(I/O)	DEG#	GND	BP(I/O)	GND
15	GND	BP(I/O)	BP(I/O)	FAL#	REQ5#	GNT5#	GND
14	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
13	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
12	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
11	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
10	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
9	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
8	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
7	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
6	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
5	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
4	GND	V(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
3(3)	GND	CLK4	GND	GNT3#	REQ4#	GNT4#	GND
2(3)	GND	CLK2	CLK3	SYSEN# ⁽³⁾	GNT2#	REQ3#	GND
1(3)	GND	CLK1	GND	REQ1#	GNT1#	REQ2#	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMBSCL	IPMBSDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	GND	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	GND	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ0#	GND	3.3V ⁽⁴⁾	CLK0	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT0#	GND
4	GND	IPMBPWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F

Backplane Connector Pinouts



CompactPCI PICMG 2.0 R3.0 Peripheral Slot 32-bit connector Pin Assignments

Pin	Z	A	B	C	D	E	F
22	GND	GA4	GA3	GA2	GA1	GA0	GND
21	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
20	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
19	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
18	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
17	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
16	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
15	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
14	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
13	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
12	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
11	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
10	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
9	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
8	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
7	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
6	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
5	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
4	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
3	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
2	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
1	GND	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	BP(I/O)	GND
25	GND	5V	REQ64#	ENUM#	3.3V	5V	GND
24	GND	AD[1]	5V	V(I/O) ^{(2),(4)}	AD[0]	ACK64#	GND
23	GND	3.3V	AD[4]	AD[3]	5V ⁽⁴⁾	AD[2]	GND
22	GND	AD[7]	GND	3.3V ⁽⁴⁾	AD[6]	AD[5]	GND
21	GND	3.3V	AD[9]	AD[8]	M66EN	C/BE[0]#	GND
20	GND	AD[12]	GND	V(I/O) ⁽²⁾	AD[11]	AD[10]	GND
19	GND	3.3V	AD[15]	AD[14]	GND ⁽⁴⁾	AD[13]	GND
18	GND	SERR#	GND	3.3V	PAR	C/BE[1]#	GND
17	GND	3.3V	IPMB_SCL	IPMB_SDA	GND ⁽⁴⁾	PERR#	GND
16	GND	DEVSEL#	GND	V(I/O) ⁽²⁾	STOP#	LOCK#	GND
15	GND	3.3V	FRAME#	IRDY#	BD_SEL# ⁽⁵⁾	TRDY#	GND
14	KEY AREA						
13	KEY AREA						
12	KEY AREA						
11	GND	AD[18]	AD[17]	AD[16]	GND ⁽⁴⁾	C/BE[2]#	GND
10	GND	AD[21]	GND	3.3V	AD[20]	AD[19]	GND
9	GND	C/BE[3]#	IDSEL ⁽⁶⁾	AD[23]	GND ⁽⁴⁾	AD[22]	GND
8	GND	AD[26]	GND	V(I/O) ⁽²⁾	AD[25]	AD[24]	GND
7	GND	AD[30]	AD[29]	AD[28]	GND ⁽⁴⁾	AD[27]	GND
6	GND	REQ#	GND	3.3V ⁽⁴⁾	CLK	AD[31]	GND
5	GND	BRSVP1A5	BRSVP1B5	RST#	GND ⁽⁴⁾	GNT#	GND
4	GND	IPMB_PWR	HEALTHY# ⁽¹³⁾	V(I/O) ^{(2),(4)}	INTP	INTS	GND
3	GND	INTA#	INTB#	INTC#	5V ⁽⁴⁾	INTD#	GND
2	GND	BRSVP1A2 ⁽¹⁰⁾	5V	BRSVP1C2 ⁽¹⁰⁾	RSV ⁽¹⁰⁾	RSV ⁽¹⁰⁾	GND
1	GND	5V	-12V	BRSVP1C1 ⁽¹⁰⁾	+12V	5V	GND
Pin	Z	A	B	C	D	E	F