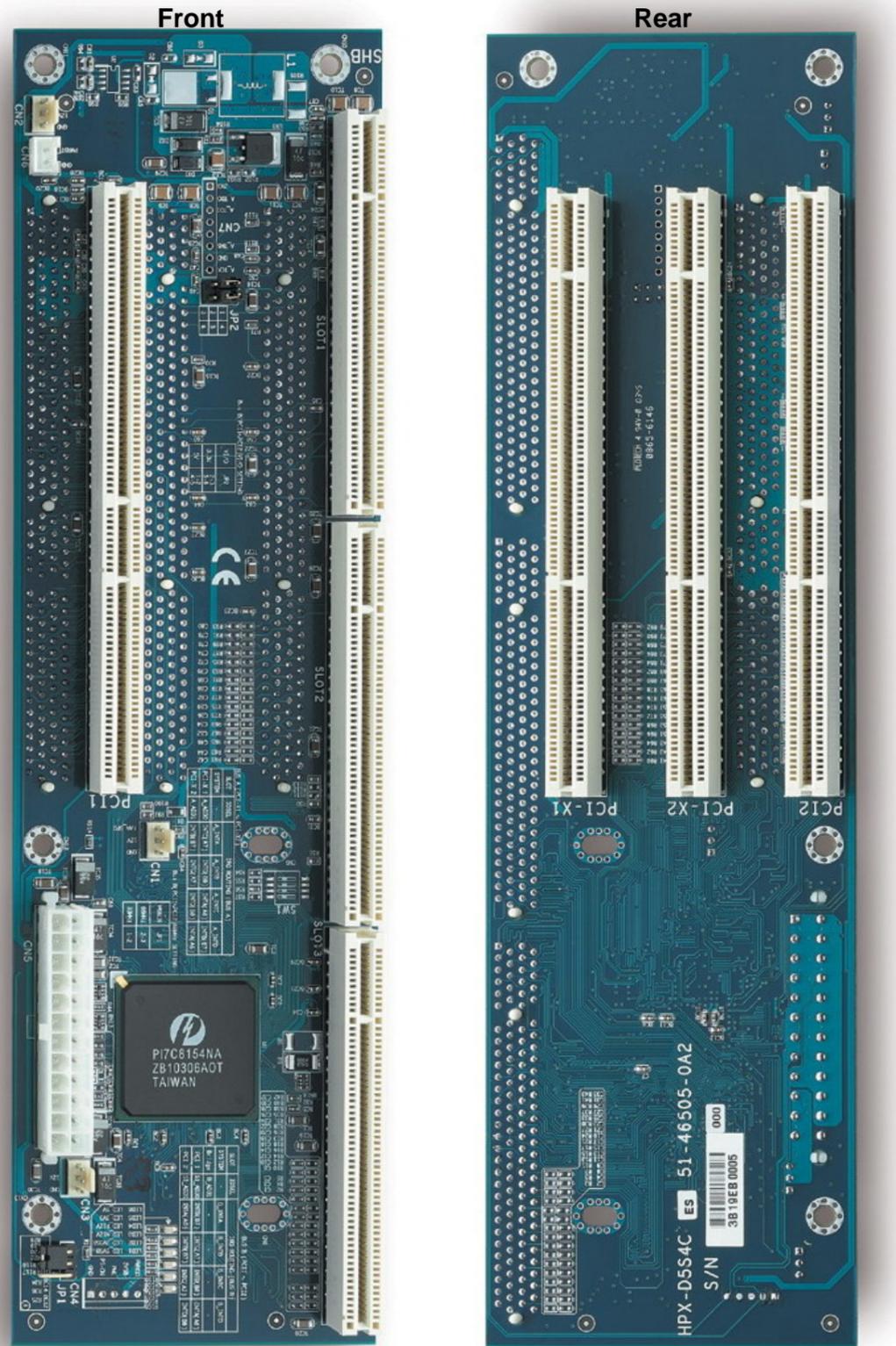


# HPX HPX-D5S4C 1 SHB, 2 PCI, 2 PCI-X Slots Backplane

## PCB Configuration



## Connectors

SLOT1-SLOT3	ePCI-X SHB
PCIX1-PCIX2	3.3V PCI 64-Bit (keyed)
PCI1-PCI2	5V PCI 64-Bit (keyed)
CN1	3-pin Fan (with fan-speed)
CN2-CN3	3 pin Fans
CN5	ATX Power Supply
CN6	Power ON Button
JP1	PCI1-PCI2 66MHz setting
JP2	PCI1-PCI2 V(I/O) setting

FAN (CN1)		FAN (CN2,CN3)	
1	GND	1	GND
2	+12V	2	+12V
3	FAN_SPD	3	

Power Button (CN6)		PCI1,PCI2 M66EN jumper (JP1)	
1	PWRBT	1	GND
2	GND	2	M66EN
		3	

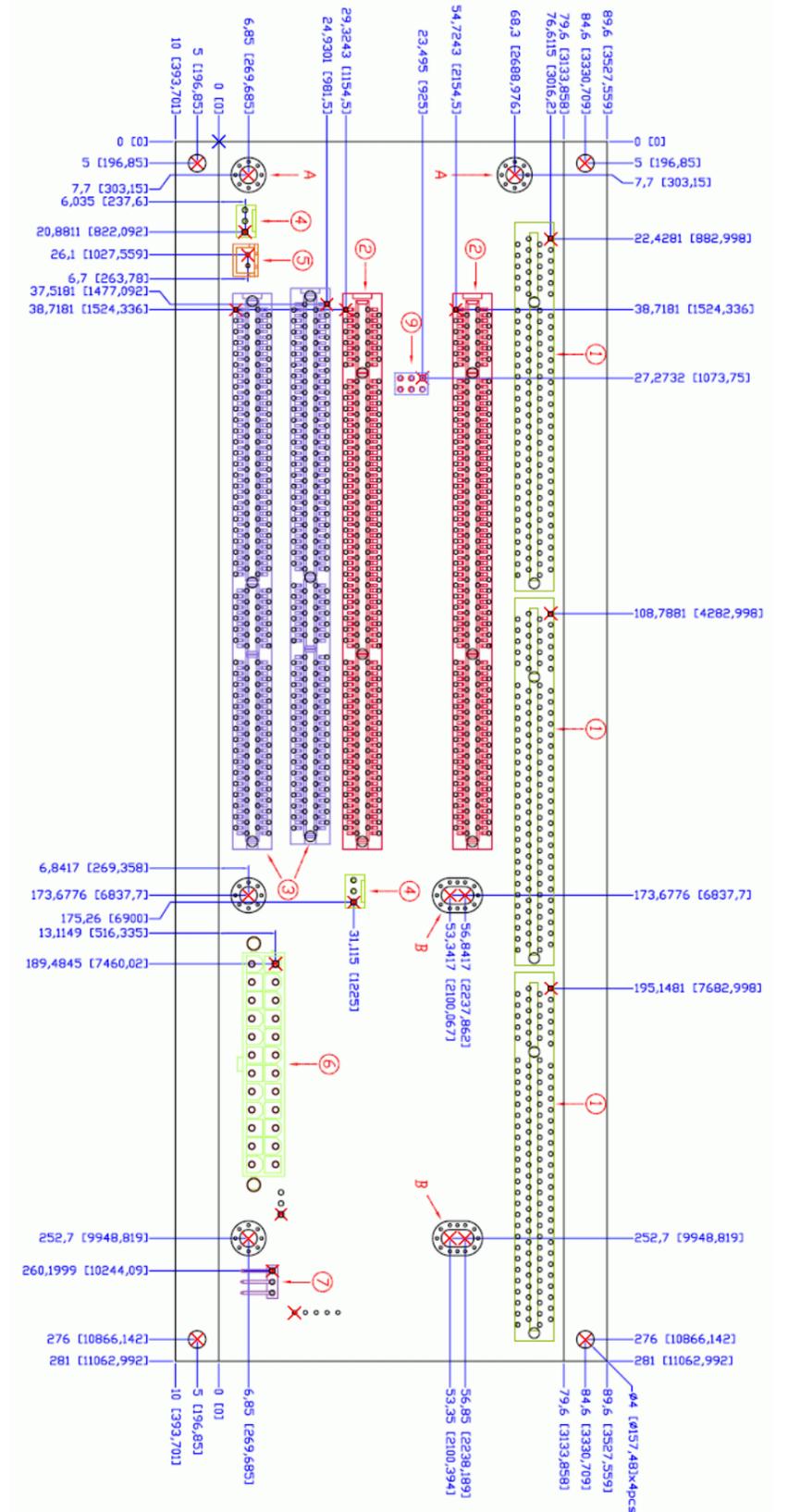
PCI1, PCI2 V(I/O) Jumper (JP2)			
1	+5V	+5V	4
2	V(I/O)	V(I/O)	5
3	+3.3V	+3.3V	6

## Jumper Settings

JP1 (PCI1-PCI2 66MHz setting)		P2 (PCI1-PCI2 V(I/O) setting)	
66MHz	2-3	+3.3V	2-3
			5-6
33MHz	★ 1-2	+5V	★ 1-2
			4-5

(★: Default Setting)

## Pin Definitions



SHB

	SLOT1		SLOT2		SLOT3	
	Row B	Row A	Row B	Row A	Row B	Row A
1	-12V	+12V	GND	A_AD04	B_VIO	B_AD22
2	PWRGD	PWRBT#	A_AD05	+3.3V	B_C/BE3#	GND
3	PS0N#	+5Vaux	A_AD03	A_AD02	B_AD23	B_AD21
4	TRST#	GND	GND	A_AD00	+5V	B_AD20
5	TMS	TCK	A_AD01	GND	B_AD19	GND
6	TDO	TDI	RSV	A_REQ64#	B_AD17	B_AD18
7	RSV	A_PRST#	+5V	A_ACK64#	GND	B_AD16
8	+5V	RSV	RSV	+5V	B_C/BE2#	+3.3V
9	A_INTB#	+5V	A_VIO	A_C/BE7#	B_IRDY#	B_FRAME#
10	A_INTD#	A_INTA#	GND	A_C/BE6#	GND	B_TRDY#
11	+5V	A_INTC#	A_C/BE5#	GND	B_DEVSEL#	GND
12						
13						
14	+3.3Vaux	+5V	A_C/BE6#	A_PAR64	+5V	B_PCIXCAP
15	GND	RSV	+5V	A_AD62	B_LOCK#	B_STOP#
16	RSV	A_GNT3#	A_AD63	GND	B_PERR#	GND
17	+3.3V	GND	A_AD61	A_AD60	GND	B_PAR
18	A_REQ3#	A_GNT2#	GND	A_AD58	B_SERR#	B_AD15
19	A_REQ2#	A_GNT1#	A_AD59	+3.3V	B_C/BE1#	+3.3V
20	GND	+3.3V	A_AD57	A_AD56	GND	B_AD13
21	A_REQ1#	A_RST#	GND	A_AD54	B_AD14	B_AD11
22	A_REQ0#	A_GNT0#	A_AD55	GND	B_AD12	GND
23	+3.3V	GND	A_AD53	A_AD52	+5V	B_AD09
24	A_CLKFO	A_CLKFI	+5V	A_AD50	B_AD10	B_M66EN
25	GND	+3.3V	A_AD51	GND	B_AD08	GND
26	A_CLKC	A_CLKD	A_AD49	A_AD48	GND	B_C/BE0#
27	+3.3V	GND	GND	A_AD46	B_AD07	B_AD06
28	A_CLKA	A_CLKB	A_AD47	+3.3V	B_AD05	+3.3V
29	GND	+3.3V	A_AD45	A_AD44	GND	B_AD04
30	A_AD31	PME#	GND	A_AD42	B_AD03	B_AD02
31	A_AD29	GND	A_AD43	GND	B_AD01	GND
32	+5V	A_AD30	A_AD41	A_AD40	+5V	B_AD00
33	A_AD27	A_AD28	+5V	A_AD38	B_ACK64#	B_REQ64#
34	A_AD25	GND	A_AD39	GND	B_C/BE7#	GND
35	GND	A_AD26	A_AD37	A_AD36	GND	B_C/BE6#
36	A_C/BE3#	A_AD24	GND	A_AD34	B_C/BE5#	B_PAR64
37	A_AD23	+3.3V	A_AD35	+3.3V	B_C/BE4#	+3.3V
38	GND	A_AD22	A_AD33	A_AD32	GND	B_AD62
39	A_AD21	A_AD20	GND	GND	B_AD63	B_AD60
40	A_AD19	GND	B_CLKD	B_CLKC	B_AD61	GND
41	+5V	A_AD18	+3.3V	GND	+5V	B_AD58
42	A_AD17	A_AD16	B_CLKB	B_CLKA	B_AD59	B_AD56
43	A_C/BE2#	GND	GND	+3.3V	B_AD57	GND
44	GND	A_FRAME#	B_CLKFO	B_CLKFI	GND	B_AD54
45	A_IRDY#	A_TRDY#	GND	GND	B_AD55	B_AD52
46	A_DEVESL#	+5V	B_INTB#	B_INTA#	B_AD53	+3.3V
47	+3.3V	A_PCIXCAP	B_INTD#	B_INTC#	GND	B_AD50
48	A_LOCK#	A_STOP#	+5V	GND	B_AD51	B_AD48
49	A_PERR#	GND	B_GNT3#	B_GNT2#	B_AD49	GND
50	+5V	SER_SDA	B_REQ3#	B_REQ2#	+5V	B_AD46
51	A_SERR#	SER_SCL	GND	+5V	B_AD47	B_AD44
52	A_PAR	GND	B_GNT1#	B_GNT0#	B_AD45	GND
53	GND	A_C/BE1#	B_REQ1#	B_REQ0#	GND	B_AD42
54	A_AD15	A_AD14	+5V	GND	B_AD43	B_AD40
55	A_AD13	+3.3V	B_RST#	B_PRST#	B_AD41	+3.3V
56	GND	A_AD12	+5V	B_AD30	GND	B_AD38
57	A_AD11	A_AD10	B_AD31	GND	B_AD39	B_AD36
58	A_AD09	GND	B_AD29	B_AD28	B_AD37	GND
59	+5V	A_AD08	GND	B_AD26	+5V	B_AD34
60	A_AD07	A_C/BE0#	B_AD27	+3.3V	B_AD35	B_AD32
61	A_M66EN	GND	B_AD25	B_AD24	B_AD33	GND
62	RSV	A_AD06	GND	RSV	GND	RSV

PCI-X SLOT (PCIX1, PCIX2)

	Row B	Row A		Row B	Row A
	1	-12V		TRST#	48
2	TCK	+12V	49	M66EN	AD9
3	GND	TMS	50	KEYWAY	KEYWAY
4	TDO	TDI	51	KEYWAY	KEYWAY
5	+5V	+5V	52	AD8	C/BE0#
6	+5V	INTA#	53	AD7	+3.3V
7	INTB#	INTC#	54	+3.3V	AD6
8	INTD#	+5V	55	AD5	AD4
9	PRSNT1#	RSVD	56	AD3	GND
10	RSVD	+V(I/O)	57	GND	AD2
11	PRSNT2#	RSVD	58	AD1	AD0
12	KEYWAY	KEYWAY	59	+V(I/O)	+V(I/O)
13	KEYWAY	KEYWAY	60	ACK64#	REQ64#
14	RSVD	+3.3Vaux	61	+5V	+5V
15	GND	RST#	62	+5V	+5V
16	CLK	+V(I/O)	63	RSVD	GND
17	GND	GNT#	64	GND	C/BE7#
18	REQ#	GND	65	C/BE6#	C/BE5#
19	+V(I/O)	PME#	66	C/BE4#	+V(I/O)
20	AD31	AD30	67	GND	PAR64
21	AD29	+3.3V	68	AD63	AD62
22	GND	AD28	69	AD61	GND
23	AD27	AD26	70	+V(I/O)	AD60
24	AD25	GND	71	AD59	AD58
25	+3.3V	AD24	72	AD57	GND
26	C/BE3#	IDSEL	73	GND	AD56
27	AD23	+3.3V	74	AD55	AD54
28	GND	AD22	75	AD53	+V(I/O)
29	AD21	AD20	76	GND	AD52
30	AD19	GND	77	AD51	AD50
31	+3.3V	AD18	78	AD49	GND
32	AD17	AD16	79	+V(I/O)	AD48
33	C/BE2#	+3.3V	80	AD47	AD46
34	GND	FRAME#	81	AD45	GND
35	IRDY#	GND	82	GND	AD44
36	+3.3V	TRDY#	83	AD43	AD42
37	DEVSEL#	GND	84	AD41	+V(I/O)
38	PCIXCAP	STOP#	85	GND	AD40
39	LOCK#	+3.3V	86	AD39	AD38
40	PERR#	RSVD	87	AD37	GND
41	+3.3V	RSVD	88	+V(I/O)	AD36
42	SERR#	GND	89	AD35	AD34
43	+3.3V	PAR	90	AD33	GND
44	C/BE1#	AD15	91	GND	AD32
45	AD14	+3.3V	92	RSVD	RSVD
46	GND	AD13	93	RSVD	GND
47	AD12	AD11	94	GND	RSVD

PCI SLOT (PCI 1, PCI 2)

	Row B	Row A		Row B	Row A
	1	-12V		TRST#	48
2	TCK	+12V	49	M66EN	AD9
3	GND	TMS	50	KEYWAY	KEYWAY
4	TDO	TDI	51	KEYWAY	KEYWAY
5	+5V	+5V	52	AD8	C/BE0#
6	+5V	INTA#	53	AD7	+3.3V
7	INTB#	INTC#	54	+3.3V	AD6
8	INTD#	+5V	55	AD5	AD4
9	PRSNT1#	RSVD	56	AD3	GND
10	RSVD	+V(I/O)	57	GND	AD2
11	PRSNT2#	RSVD	58	AD1	AD0
12	KEYWAY	KEYWAY	59	+V(I/O)	+V(I/O)
13	KEYWAY	KEYWAY	60	ACK64#	REQ64#
14	RSVD	+3.3Vaux	61	+5V	+5V
15	GND	RST#	62	+5V	+5V
16	CLK	+V(I/O)	63	RSVD	GND
17	GND	GNT#	64	GND	C/BE7#
18	REQ#	GND	65	C/BE6#	C/BE5#
19	+V(I/O)	PME#	66	C/BE4#	+V(I/O)
20	AD31	AD30	67	GND	PAR64
21	AD29	+3.3V	68	AD63	AD62
22	GND	AD28	69	AD61	GND
23	AD27	AD26	70	+V(I/O)	AD60
24	AD25	GND	71	AD59	AD58
25	+3.3V	AD24	72	AD57	GND
26	C/BE3#	IDSEL	73	GND	AD56
27	AD23	+3.3V	74	AD55	AD54
28	GND	AD22	75	AD53	+V(I/O)
29	AD21	AD20	76	GND	AD52
30	AD19	GND	77	AD51	AD50
31	+3.3V	AD18	78	AD49	GND
32	AD17	AD16	79	+V(I/O)	AD48
33	C/BE2#	+3.3V	80	AD47	AD46
34	GND	FRAME#	81	AD45	GND
35	IRDY#	GND	82	GND	AD44
36	+3.3V	TRDY#	83	AD43	AD42
37	DEVSEL#	GND	84	AD41	+V(I/O)
38	GND	STOP#	85	GND	AD40
39	LOCK#	+3.3V	86	AD39	AD38
40	PERR#	RSVD	87	AD37	GND
41	+3.3V	RSVD	88	+V(I/O)	AD36
42	SERR#	GND	89	AD35	AD34
43	+3.3V	PAR	90	AD33	GND
44	C/BE1#	AD15	91	GND	AD32
45	AD14	+3.3V	92	RSVD	RSVD
46	GND	AD13	93	RSVD	GND
47	AD12	AD11	94	GND	RSVD

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