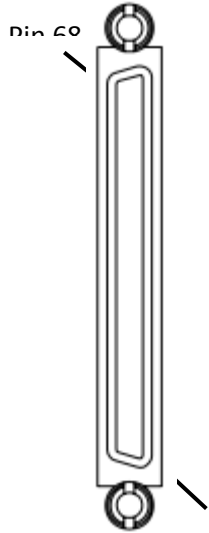


# PCI-8102

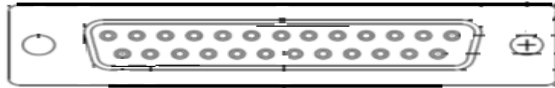
P1 connector



P1 Connector							
Pin	Pin Name	IO type	Description	Pin	Pin Name	IO type	Description
1	VPP	O	Isolated +5V Output	35	VPP	O	Isolated +5V Output
2	EXGND	-	Ext. power ground	36	EXGND	-	Ext. power ground
3	OUT0+	O	Pulse signal (+)	37	OUT1+	O	Pulse signal (+)
4	OUT0-	O	Pulse signal (-)	38	OUT1-	O	Pulse signal (-)
5	DIR0+	O	Dir. signal (+)	39	DIR1+	O	Dir. signal (+)
6	DIR0-	O	Dir. signal (-)	40	DIR1-	O	Dir. signal (-)
7	SVON0	O	Servo On/Off	41	SVON1	O	Servo On/Off
8	ERC0	O	Dev. ctr, clr. signal	42	ERC1	O	Dev. ctr, clr. signal
9	ALM0	I	Alarm signal	43	ALM1	I	Alarm signal
10	INP0	I	In-position signal	44	INP1	I	In-position signal
11	RDY0	I	Multi-purpose input signal	45	RDY1	I	Multi-purpose input signal
12	EA0+	I	Encoder A-phase (+)	46	EA1+	I	Encoder A-phase (+)
13	EA0-	I	Encoder A-phase (-)	47	EA1-	I	Encoder A-phase (-)
14	EB0+	I	Encoder B-phase (+)	48	EB1+	I	Encoder B-phase (+)
15	EB0-	I	Encoder B-phase (-)	49	EB1-	I	Encoder B-phase (-)
16	EZ0+	I	Encoder Z-phase (+)	50	EZ1+	I	Encoder Z-phase (+)
17	EZ0-	I	Encoder Z-phase (-)	51	EZ1-	I	Encoder Z-phase (-)
18	VPP	O	Isolated +5V Output	52	VPP	O	Isolated +5V Output
19	N/C			53	EXGND	-	Ext. power ground
20	PEL0	I	End limit signal (+)	54	PEL1	I	End limit signal (+)
21	MEL0	I	End limit signal (-)	55	MEL1	I	End limit signal (-)

22	EXGND	-	Ext. power ground	56	EXGND	-	Ext. power ground
23	LTC/SD/PCS0/CLR0	I	Composite Funtion (Default: LTC)	57	LTC/SD/PCS0/CLR1	I	Composite Funtion (Default: LTC)
24	ORG0	I	Origin signal	58	ORG1	I	Origin signal
25	N/C			59	EXGND	-	Ext. power ground
26	PA+_ISO	I	Manual Pulser Input A	60	EMG	I	Emergency Input
27	PA-_ISO	I	Manual Pulser Input A	61	DIN0	I	Digital Input 0
28	PB+_ISO	I	Manual Pulser Input B	62	DIN1	I	Digital Input 1
29	PB-_ISO	I	Manual Pulser Input B	63	DIN2	I	Digital Input 2
30	CMP0	O	TTL Compare Output 0	64	DIN3	I	Digital Input 3
31	CMP1	O	TTL Compare Output 1	65	DOUT0	O	Digital Output 0,SVO RST
32	EXGND	-	Ext. power ground	66	DOUT1	O	Digital Output 1,SVO RST
33	EXGND	-	Ext. power ground	67	EXGND	-	Ext. power ground
34	EX+24V	I	+24V isolation power input	68	EX+24V	I	+24V isolation power input

P2 connector



# 其中VPP及EXGND可以合并使用

P2 Extension D-SUB 37P Connector Pin Assignment							
1	EXGND	--	External Power Ground	20	EXGND	--	External Power Ground
2	DI0		Discrete Input Channel 0	21	DO0	○	Discrete Output Channel 0
3	DI1		Discrete Input Channel 1	22	DO1	○	Discrete Output Channel 1
4	DI2		Discrete Input Channel 2	23	DO2	○	Discrete Output Channel 2
5	DI3		Discrete Input Channel 3	24	DO3	○	Discrete Output Channel 3
6	DI4		Discrete Input Channel 4	25	DO4	○	Discrete Output Channel 4
7	DI5		Discrete Input Channel 5	26	DO5	○	Discrete Output Channel 5
8	DI6		Discrete Input Channel 6	27	DO6	○	Discrete Output Channel 6
9	DI7		Discrete Input Channel 7	28	DO7	○	Discrete Output Channel 7
10	DI8		Discrete Input Channel 8	29	DO8	○	Discrete Output Channel 8
11	DI9		Discrete Input Channel 9	30	DO9	○	Discrete Output Channel 9
12	DI10		Discrete Input Channel 10	31	DO10	○	Discrete Output Channel 10
13	DI11		Discrete Input Channel 11	32	DO11	○	Discrete Output Channel 11

14	DI12	I	Discrete Input Channel 12	33	DO12	O	Discrete Output Channel 12
15	DI13	I	Discrete Input Channel 13	34	DO13	O	Discrete Output Channel 13
16	DI14	I	Discrete Input Channel 14	35	DO14	O	Discrete Output Channel 14
17	DI15	I	Discrete Input Channel 15	36	DO15	O	Discrete Output Channel 15
18	EXGND	--	External Power Ground	37	EXGND	--	External Power Ground
19	VPP	O	Isolated +5V Output	--	--	--	--

## PCI-8132

P1 connector

Pin 100



Pin 1

CN1 Connector							
Pin	Pin Name	IO type	Description	Pin	Pin Name	IO type	Description
1	VPP +5V	O	+5V power supply output	51	DO COM+	I	Ext power input for Dout
2	EXGND	O	Ext. power ground	52	EXGND	O	Ext. power ground
3	OUT0+	O	Pulse signal (+)	53	DO0	O	Isolated digital output 0
4	OUT0-	O	Pulse signal (-)	54	DO1	O	Isolated digital output 1
5	DIR0+	O	Dir. signal (+)	55	DO2	O	Isolated digital output 2
6	DIR0-	O	Dir. signal (-)	56	DO3	O	Isolated digital output 3
7	SVON0	O	Servo On/Off	57	DO4	O	Isolated digital output 4
8	ERC0	O	Dev. ctr, clr. signal	58	DO5	O	Isolated digital output 5
9	ALM0	I	Alarm signal	59	DO6	O	Isolated digital output 6
10	INP0	I	In-position signal	60	DO7	O	Isolated digital output 7
11	RDY0	I	Multi-purpose input signal	61	DO8	O	Isolated digital output 8
12	EXGND	O	Ext. power ground	62	DO9	O	Isolated digital output 9
13	EA0+	I	Encoder A-phase (+)	63	DO10	O	Isolated digital output 10
14	EA0-	I	Encoder A-phase (-)	64	DO11	O	Isolated digital output 11
15	EB0+	I	Encoder B-phase (+)	65	DO12	O	Isolated digital output 12
16	EB0-	I	Encoder B-phase (-)	66	DO13	O	Isolated digital output 13
17	EZ0+	I	Encoder Z-phase (+)	67	DO14	O	Isolated digital output 14
18	EZ0-	I	Encoder Z-phase (-)	68	DO15	O	Isolated digital output 15
19	VPP +5V	O	+5V power supply output	69	EXGND	O	Ext. power ground
20	EXGND	O	Ext. power ground	70	EXGND	O	Ext. power ground

21	OUT1+	O	Pulse signal (+)	71	DI COM+	I	Ext power input for Din
22	OUT1-	O	Pulse signal (-)	72	DI COM+	I	Ext power input for Din
23	DIR1+	O	Dir. signal (+)	73	DI0	I	Isolated digital input 0
24	DIR1-	O	Dir. signal (-)	74	DI1	I	Isolated digital input 1
25	SVON1	O	Servo On/Off	75	DI2	I	Isolated digital input 2
26	ERC1	O	Dev. ctr, clr. signal	76	DI3	I	Isolated digital input 3
27	ALM1	I	Alarm signal	77	DI4	I	Isolated digital input 4
28	INP1	I	In-position signal	78	DI5	I	Isolated digital input 5
29	RDY1	I	Multi-purpose input signal	79	DI6	I	Isolated digital input 6
30	EXGND	O	Ext. power ground	80	DI7	I	Isolated digital input 7
31	EA1+	I	Encoder A-phase (+)	81	DI8	I	Isolated digital input 8
32	EA1-	I	Encoder A-phase (-)	82	DI9	I	Isolated digital input 9
33	EB1+	I	Encoder B-phase (+)	83	DI10	I	Isolated digital input 10
34	EB1-	I	Encoder B-phase (-)	84	DI11	I	Isolated digital input 11
35	EZ1+	I	Encoder Z-phase (+)	85	DI12	I	Isolated digital input 12
36	EZ1-	I	Encoder Z-phase (-)	86	DI13	I	Isolated digital input 13
37	PEL0	I	End limit signal (+)	87	DI14	I	Isolated digital input 14
38	MEL0	I	End limit signal (-)	88	DI15	I	Isolated digital input 15
39	PSD0	I	Ramp-down signal (+)	89	EXGND	O	Ext. power ground
40	MSD0	I	Ramp-down signal (-)	90	EXGND	O	Ext. power ground
41	ORG0	I	Origin signal	91	PA+	I	Manual Pulser Input PHA+
42	EXGND	O	Ext. power ground	92	PA-	I	Manual Pulser Input PHA-
43	PEL1	I	End limit signal (+)	93	PB+	I	Manual Pulser Input PHB+
44	MEL1	I	End limit signal (-)	94	PB-	I	Manual Pulser Input PHB-
45	PSD1	I	Ramp-down signal (+)	95	EXGND	O	Ext. power ground

46	MSD1	I	Ramp-down signal (-)	96	CMP1	O	Position compare Trigger 1
47	ORG1	I	Origin signal	97	CMP2	O	Position compare Trigger 2
48	EXGND	O	Ext. power ground	98	EXGND	O	Ext. power ground
49	EXGND	O	Ext. power ground	99	VPP +24V	O	+24V power supply output
50	EXGND	O	Ext. power ground	100	VPP +24V	O	+24V power supply output