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PCI-DIO96H

Specifications



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Specifications

Typical for 25 °C unless otherwise specified.

Specifications in *italic text* are guaranteed by design.

Digital input / output

Table 1. Digital I/O specifications

Digital type	8255 emulation, Mode 0
Output	74S244
Input	74LS373
Configuration	8 banks of 8, 8 banks of 4, programmable by bank as input or output
Number of I/O	96
Output high	*2.4 volts min @ -15 mA*
Output low	*0.5 volts max @ 64 mA*
Input high	*2.0 volts min, 7 volts absolute max*
Input low	*0.8 volts max, -0.5 volts absolute min*
Power-up / reset state	Input mode (high impedance)
Pull-up/pull-down resistors	SIP resistor locations provided for pull-up or pull-down configuration.

Power Consumption

Table 2. Power consumption specifications

+5V Operating	2.1 A typical, 3.4 A max

Environmental

Table 3. Environmental specifications

Operating temperature range	*0 to 50 °C*
Storage temperature range	*-20 to 70 °C*
Humidity	*0 to 90% non-condensing*

Mechanical

Table 4. Mechanical specifications

Card dimensions	292.1 mm (L) x 106.6 mm (H) x 14.5 mm (W)

Main connector and pin out

Table 5. Main connector specifications

Connector type	100-pin, high-density
Compatible cables	C100FF- x
Compatible accessory products	CIO-MINI50* CIO-SPADE50* CIO-TERM100 SCB-50 CIO-ERB24 CIO-SERB24 CIO-ERB48 CIO-SERB48 SSR-RACK24 SSR-RACK48 * two devices are required

Table 6. Main connector pin out

Pin	Signal name	Pin	Signal name
100	GND	50	GND
99	+5V	49	+5V
98	THIRDPORTC Bit 0	48	FIRSTPORTC Bit 0
97	THIRDPORTC Bit 1	47	FIRSTPORTC Bit 1
96	THIRDPORTC Bit 2	46	FIRSTPORTC Bit 2
95	THIRDPORTC Bit 3	45	FIRSTPORTC Bit 3
94	THIRDPORTC Bit 4	44	FIRSTPORTC Bit 4
93	THIRDPORTC Bit 5	43	FIRSTPORTC Bit 5
92	THIRDPORTC Bit 6	42	FIRSTPORTC Bit 6
91	THIRDPORTC Bit 7	41	FIRSTPORTC Bit 7
90	THIRDPORTB Bit 0	40	FIRSTPORTB Bit 0
89	THIRDPORTB Bit 1	39	FIRSTPORTB Bit 1
88	THIRDPORTB Bit 2	38	FIRSTPORTB Bit 2
87	THIRDPORTB Bit 3	37	FIRSTPORTB Bit 3
86	THIRDPORTB Bit 4	36	FIRSTPORTB Bit 4
85	THIRDPORTB Bit 5	35	FIRSTPORTB Bit 5
84	THIRDPORTB Bit 6	34	FIRSTPORTB Bit 6
83	THIRDPORTB Bit 7	33	FIRSTPORTB Bit 7
82	THIRDPORTA Bit 0	32	FIRSTPORTA Bit 0
81	THIRDPORTA Bit 1	31	FIRSTPORTA Bit 1
80	THIRDPORTA Bit 2	30	FIRSTPORTA Bit 2
78	THIRDPORTA Bit 3	29	FIRSTPORTA Bit 3
78	THIRDPORTA Bit 4	28	FIRSTPORTA Bit 4
77	THIRDPORTA Bit 5	27	FIRSTPORTA Bit 5
76	THIRDPORTA Bit 6	26	FIRSTPORTA Bit 6
75	THIRDPORTA Bit 7	25	FIRSTPORTA Bit 7
74	FOURTHPORTC Bit 0	24	SECONDPORTC Bit 0
73	FOURTHPORTC Bit 1	23	SECONDPORTC Bit 1
72	FOURTHPORTC Bit 2	22	SECONDPORTC Bit 2
71	FOURTHPORTC Bit 3	21	SECONDPORTC Bit 3
70	FOURTHPORTC Bit 4	20	SECONDPORTC Bit 4
69	FOURTHPORTC Bit 5	19	SECONDPORTC Bit 5
68	FOURTHPORTC Bit 6	18	SECONDPORTC Bit 6
67	FOURTHPORTC Bit 7	17	SECONDPORTC Bit 7
66	FOURTHPORTB Bit 0	16	SECONDPORTB Bit 0
65	FOURTHPORTB Bit 1	15	SECONDPORTB Bit 1
64	FOURTHPORTB Bit 2	14	SECONDPORTB Bit 2
63	FOURTHPORTB Bit 3	13	SECONDPORTB Bit 3
62	FOURTHPORTB Bit 4	12	SECONDPORTB Bit 4
61	FOURTHPORTB Bit 5	11	SECONDPORTB Bit 5
60	FOURTHPORTB Bit 6	10	SECONDPORTB Bit 6
59	FOURTHPORTB Bit 7	9	SECONDPORTB Bit 7
58	FOURTHPORTA Bit 0	8	SECONDPORTA Bit 0
57	FOURTHPORTA Bit 1	7	SECONDPORTA Bit 1
56	FOURTHPORTA Bit 2	6	SECONDPORTA Bit 2
55	FOURTHPORTA Bit 3	5	SECONDPORTA Bit 3
54	FOURTHPORTA Bit 4	4	SECONDPORTA Bit 4
53	FOURTHPORTA Bit 5	3	SECONDPORTA Bit 5
52	FOURTHPORTA Bit 6	2	SECONDPORTA Bit 6
51	FOURTHPORTA Bit 7	1	SECONDPORTA Bit 7

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