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Find the *Measurement Computing PCI-DUAL-AC5* at our website: *Click HERE*

PCI-DUAL-AC5

Specifications



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Specifications

Typical for 25 °C unless otherwise specified.

Specifications in *italic text* are guaranteed by design

Power consumption

Table 1. Power consumption specifications

+5V Operating	1.13 A typical, 1.80 A max

Digital Input / Output

Table 2. Digital I/O specifications

Digital type (main connector)	8255 mode 0 emulation
Output	74S244
Input	74LS373
Configuration	4 banks of 8, 4 banks of 4, programmable by bank as input or output
Number of channels	*48 I/O*
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)
Miscellaneous	*Locations provided for installation of pull-up or pull-down resistors*

Environmental

Table 3. Environmental specifications

Operating temperature range	*0 to 70 °C*
Storage temperature range	*-40 to 100 °C*
Humidity	*0 to 90% non-condensing*

Mechanical

Table 4. Mechanical specifications

Card dimensions	174.8 mm (L) x 106.7 mm (W) x 21.6 mm (H)
	6.88" (L) x 4.2" (W) x 0.85" (H)

Main connector and pin out

Table 5. Main connector specifications

Connector type	100-pin high density
Compatible cables	C100FE-x cable C100FF-x cable
Compatible accessory products with the C100FE-x cable	SSR-PB24 (2)
Compatible accessory products with the C100FF-x cable	CIO-MINI50 (2) CIO-SPADE50 (2) CIO-TERM100 (1) SCB-50 (1)

Table 6. Main connector pin out

Pin	Signal name	Pin	Signal name
1	FIRSTPORTC Bit 7	51	SECONDPORTC Bit 7
2	GND	52	GND
3	FIRSTPORTC Bit 6	53	SECONDPORTC Bit 6
4	GND	54	GND
5	FIRSTPORTC Bit 5	55	SECONDPORTC Bit 5
6	GND	56	GND
7	FIRSTPORTC Bit 4	57	SECONDPORTC Bit 4
8	GND	58	GND
9	FIRSTPORTC Bit 3	59	SECONDPORTC Bit 3
10	GND	60	GND
11	FIRSTPORTC Bit 2	61	SECONDPORTC Bit 2
12	GND	62	GND
13	FIRSTPORTC Bit 1	63	SECONDPORTC Bit 1
14	GND	64	GND
15	FIRSTPORTC Bit 0	65	SECONDPORTC Bit 0
16	GND	66	GND
17	FIRSTPORTB Bit 7	67	SECONDPORTB Bit 7
18	GND	68	GND
19	FIRSTPORTB Bit 6	69	SECONDPORTB Bit 6
20	GND	70	GND
21	FIRSTPORTB Bit 5	71	SECONDPORTB Bit 5
22	GND	72	GND
23	FIRSTPORTB Bit 4	73	SECONDPORTB Bit 4
24	GND	74	GND
25	FIRSTPORTB Bit 3	75	SECONDPORTB Bit 3
26	GND	76	GND
27	FIRSTPORTB Bit 2	77	SECONDPORTB Bit 2
28	GND	78	GND
29	FIRSTPORTB Bit 1	79	SECONDPORTB Bit 1
30	GND	80	GND
31	FIRSTPORTB Bit 0	81	SECONDPORTB Bit 0
32	GND	82	GND
33	FIRSTPORTA Bit 7	83	SECONDPORTA Bit 7
34	GND	84	GND
35	FIRSTPORTA Bit 6	85	SECONDPORTA Bit 6
36	GND	86	GND
37	FIRSTPORTA Bit 5	87	SECONDPORTA Bit 5
38	GND	88	GND
39	FIRSTPORTA Bit 4	89	SECONDPORTA Bit 4
40	GND	90	GND
41	FIRSTPORTA Bit 3	91	SECONDPORTA Bit 3
42	GND	92	GND
43	FIRSTPORTA Bit 2	93	SECONDPORTA Bit 2
44	GND	94	GND
45	FIRSTPORTA Bit 1	95	SECONDPORTA Bit 1
46	GND	96	GND
47	FIRSTPORTA Bit 0	97	SECONDPORTA Bit 0
48	GND	98	GND
49	+5 V	99	+5 V
50	GND	100	GND

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