

# **SPECIFICATIONS**

## **PC104-AC5**

Digital Input/Output



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*Typical for 25°C unless otherwise specified.*

## Power consumption

+5V Operating	625 mA typical, 960 mA maximum
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## Digital Input / Output

Digital type	Digital Outputs - 74S244 Digital Inputs - 74LS373
Number of I/O	24
Configuration	2 banks of 8 bits each and 2 banks of 4 bits each (8255A mode 0 emulation) Each bank programmable as either input or output
Input low voltage	0.8V maximum
Input high voltage	2.0V minimum
Output low voltage	0.5V maximum (I <sub>ol</sub> = 64 mA)
Output high voltage	2.4V minimum (I <sub>oh</sub> = -15 mA)
High Level Output Current	-15 mA maximum
Low Level Output Current	64 mA maximum
Absolute maximum input voltage	+5.5V maximum
Pull-Up/Pull-Down Resistors	Locations provided for user-installation.
Power On / Reset	High impedance

## Interrupts

Interrupt Source	External
Interrupt Levels	2, 3, 4, 5, 6, 7 (jumper-selectable)
Interrupt enable/disable	Jumper-selectable (P4)

## Environmental

Operating Temperature Range	0 to 70°C
Storage Temperature Range	-40 to 100°C
Humidity	0 to 95% non-condensing

## Mechanical

Card dimensions	103mm wide x 96mm long x 15mm thick
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## Connector and Pin Out

Connector	50-pin. Compatible with SSR-PB24 using C50FE-x cable
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<i>Pin</i>	<i>Signal Name</i>	<i>Pin</i>	<i>Signal Name</i>
1	PORT C – B7	2	GND
3	PORT C – B6	4	GND
5	PORT C – B5	6	GND
7	PORT C – B4	8	GND
9	PORT C – B3	10	GND
11	PORT C – B2	12	GND
13	PORT C – B1	14	GND
15	PORT C – B0	16	GND
17	PORT B – B7	18	GND
19	PORT B – B6	20	GND
21	PORT B – B5	22	GND
23	PORT B – B4	24	GND
25	PORT B – B3	26	GND
27	PORT B – B2	28	GND
29	PORT B – B1	20	GND
31	PORT B – B0	32	GND
33	PORT A – B7	34	GND
35	PORT A – B6	36	GND
37	PORT A – B5	38	GND
39	PORT A – B4	40	GND
41	PORT A – B3	42	GND
43	PORT A – B2	44	GND
45	PORT A – B1	46	GND
47	PORT A – B0	48	GND
49	IRQ IN <b>OR</b> +5V Out (jumper-selectable)	50	GND

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