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SPECIFICATIONS

PC104-CTR10HD

Ten Counters



Revision 2, October, 2000

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Power consumption

+5V	225 mA typical, 300 mA maximum

Counter section

Counter type	9513
Configuration	Two 9513 devices. 5 counters per 9513, 16 bits each
Clock input frequency	7 MHz maximum
X2 Clock input source	1 MHz (10 MHz crystal divided by 10), 5 MHz (10 MHz crystal divided by 2) or external; software-selectable
High pulse width (clock input)	70 ns minimum
Cycle time (clock input)	145 ns minimum
Gate pulse duration	145 ns minimum
Input low voltage	–0.5V minimum, 0.8V maximum
Input high voltage	2.2V minimum, 5V maximum
Output low voltage	0.4V maximum @ 3.2 mA
Output high voltage	2.4V minimum @ –200 µA
Crystal oscillator clock source	10 MHz
Frequency accuracy	
PC104-CTR10HD	100 ppm
PC104-CTR10HD/H50	50 ppm

Digital Input / Output

Interrupts	2 to 7, software-selectable
Interrupt enable	Programmable
Interrupt sources	External

Environmental

Operating temperature range	0 to 50°C
Storage temperature range	–20 to 70°C
Humidity	0 to 95% non-condensing
Weight	5 oz (~140g)

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