SPECIFICATIONS

CIO-DIO48, CIO-DIO48H
CIO-DIO96
CIO-DIO192

Digital I/O

MEASUREMENT
COMPUTING™

Power Consumption

+5V:

CIO-DIO48	150 mA typical, 195 mA max
CIO-DIO48H	700 mA typical, 1200 mA max
CIO-DIO96	160 mA typical, 205 mA max
CIO-DIO192	170 mA typical, 220 mA max

Digital Input / Output (CIO-DIO48, CIO-DIO96, CIO-DIO192)

Digital Type	82C55
Configuration per 82C55	2 banks of 8, 2 banks of 4, programmable by bank as input or output
Number of channels	24 I/O
Output High	3.0 volts min @ −2.5 mA
Output Low	0.4 volts max @ 2.5 mA
Input High	2.0 volts min, 5.5 volts absolute maximum
Input Low	0.8 volts max, −0.5 volts absolute minimum
Power-up / reset state	Input mode (high impedance)

Digital Input / Output (CIO-DIO48H)

Digital Type	82C55 mode 0 emulation
Output:	74S244
Input:	74LS373
Configuration per 74S244	2 banks of 8, 2 banks of 4, programmable by bank as input or output
Number of channels per 74S244	24 I/O
Output High	2.4 volts min @ −15mA
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

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

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