

Table 1-1. 9000A-80188 Pod Specifications

ELECTRICAL PERFORMANCE		
Power Dissipation	.....	10 watts max.
Maximum External Voltage	.....	Pin 59 (X1): -1.5V to +6.5V Pin 58 (X2): 0V to +5V All other pins: -7V to +12V
		Voltages listed above are continuous and are referenced to ground.
MICROPROCESSOR SIGNALS*		
Clock Input X1 (Pin 59):		
Input Low Voltage	.....	0.9V max.
Input High Voltage	.....	3.7V min.
Input Current	.....	1.0 μ A max.
All other signals:		
Input Low Voltage	.....	0.8V max.
Input High Voltage	.....	2.0V min.
Output Low Voltage	.....	0.5V max. at rated current
Output High Voltage	.....	2.4V min. at -400 μ A
Tristate Output Leakage Current	.....	\pm0.02 mA typical, +0.1 to -0.2 mA max.
High-Level Input Current	.....	20 μ A max.
Low-Level Input Current	.....	-500 μ A max.
TIMING CHARACTERISTICS		
Maximum External Clock Frequency	.....	8.0 MHz typical
Insertion Delays to 80188 Signals		
INPUT SIGNALS	.....	12 ns typical
OUTPUT SIGNALS		
High-to-Low Transitions	.....	24 ns typical
Low-to-High Transitions	.....	20 ns typical
UUT POWER DETECTION		
Detection of Low Vcc Fault	.....	Vcc<+4.5V
Detection of High Vcc Fault	.....	Vcc>+5.5V
Pod Protection from UUT Low Power	.....	Vcc<+3.4V**
GENERAL		
Size	.....	5.7 cm H x 14.5 cm W x 27.1 cm L (2.2 in H x 5.7 in W x 10.7 in L)
Weight	.....	1.5 kg (3.3 lbs)
Environment		
STORAGE	.....	-40°C to +70°C, RH <95% non-condensing
OPERATING	.....	0°C to +40°C, RH <95% non-condensing +40°C to +50°C, RH <75% non-condensing
Protection Class 3	.....	Relates solely to insulation or grounding defined in IEC 348.
*Signals are specified as they appear at the ribbon cable plug pins		
**Pod outputs set to high-impedance, except X2 (Pin 58) and CLKOUT (Pin 56)		