Table 1-1. 6502 Interface Pod Specifications

ELECTRICAL PERFORMANCE

Power Dissipation ..... 3.0 watts maximum

Electrical Protection

CLOCK INPUTS ..... +0.3 to +7 volts may be applied between ground and any ribbon cable plug pin continuously cable plug pin continuously as long as the pod is powered by the troubleshooter.

OTHER INPUTS ..... -7 to +12 volts may be applied between ground and any ribbon cable plug pin continuously as long as the pod is powered by the troubleshooter.

MICROPROCESSOR SIGNALS

Input Low Voltage ..... 0V min., +0.8V max.

Input High Voltage ..... +2.0V min., +5.0V max.

Output Low Voltage ..... +0.4V max. with Iol = 1.6 mA

Output High Voltage ..... +2.4V min. with Ioh = -250 μA

Tristate Output Leakage Current ..... ±20 μA

High Level Input Current .... 20 μA typ. with Vih = +2.7V

Low Level Input Current

RDY, $\overline{\text{RESET}}$ ..... -400 μA max. with Vil = +0.4V

ALL OTHER INPUT LINES -20 μA typ. with Vil = +0.4V

TIMING CHARACTERISTICS

Maximum Clock Frequency .. 2.0 MHz typ.

Added Delays to 6502 Signals

LOW-TO-HIGH TRANSITIONS..... 20 ns typ.

HIGH-TO-LOW TRANSITIONS..... 24 ns typ.

Table 1-1. 6502 Interface Pod Specifications (cont)

UUT POWER DETECTION	
Detection of Low Vcc Fault	Vcc < +4.5V detected
Detection of High Vcc Fault	$\overline{Vbb}$ > -5.5V detected
GENERAL	
Size	3.3 cm High x 10.2 cm Wide x 18.55 cm Deep (1.3 in High x 4.0 in Wide x 7.4 in Deep)
Weight	0.68 kg (1.5 lbs)
Environment	
STORAGE	-40° to +70°C, RH < 95%
OPERATING	0° to +25°C, RH < 95% +25° to +40°C, RH < 75% +40° to +50°C, RH < 45%
Protection Class 3	Relates solely to insulation or grounding properties defined in IEC 348.