

PROCESSOR TECHNOLOGY CORPORATION

Sol-PC SINGLE BOARD TERMINAL COMPUTERTM

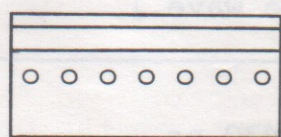
SECTION III

CAUTION 1

NEVER CONNECT POWER CABLE TO J10 WITH POWER SUPPLY ENERGIZED.

CAUTION 2

MAKE SURE POWER CABLE CONNECTOR MATES EXACTLY WITH J10; THAT IS, PIN 1 TO PIN 1, PIN 2 TO PIN 2, ETC. ANY OTHER MATING RELATIONSHIP WILL "BLOW" THE IC's.



1 2 3 4 5 6 7
(J10, Top View)

J10 PIN NO.

1
2 and 6
3 and 5
4
7

POWER

Ground
+5 V dc $\pm 5\%$, 2 A max
-12 V dc $\pm 5\%$, 300 mA max
+12 V dc $\pm 5\%$, 100 mA max
Ground

NOTE

Though not labeled on the connector, J10 pins are designated 1 through 7, reading from left to right.

- (✓) Step 16. Check clock circuits. If you have an oscilloscope, use part A of this step. If you do not, use part B.

A. Oscilloscope Check

- () Using an oscilloscope, check for the waveforms given in Figure 3-2 on Page III-15 at the indicated observation points and in the order given. The waveforms shown in Figure 3-2 approximate actual waveforms. If any waveforms are incorrect, determine and correct the cause before proceeding with assembly.

NOTE

Irregularities up to 1 volt are acceptable on positive portions of waveforms. Negative portions, however, should be relatively flat.

B. Volt-ohm Meter Check

- () Using the test probe shown in Figure 3-3 on Page III-16, set meter to DC volts and make the following measurements:

(Volt-ohm Meter Check continued on Page III-16.)