

PROCESSOR TECHNOLOGY CORPORATION

Sol-PC SINGLE BOARD TERMINAL COMPUTERTM

SECTION III

- (✓) Step 41. Install the following IC's in the indicated locations. Pay careful attention to the proper orientation.

NOTE

Dots on the assembly drawing and PC board indicate the location of pin 1 of each IC.

<u>IC NO.</u>	<u>TYPE</u>
(✓) U65	74LS253
(✓) U66	74LS253
(✓) U78	74LS253
(✓) U79	74LS253
(✓) U93	74LS175
(✓) U106	74LS175

- (✓) Step 42. Turn monitor on, apply power to Sol-PC and perform the test described in Step 40, except ground pin 5 of U75 instead of pin 2. You should get the same results.
- (✓) If the test fails, determine and correct the cause before proceeding with assembly.
- (✓) If the Sol-PC passes this test, turn monitor and power supply off, disconnect power cable and proceed to Step 43.
- (✓) Step 43. Install the following resistors in the indicated locations. Bend leads to fit distance between mounting holes, insert leads, pull down snug to board, solder and trim.

<u>LOCATION</u>	<u>VALUE (ohms)</u>	<u>COLOR CODE</u>
(✓) R13	1.5K	brown-green-red
(✓) R14	1.5K	" " "
(✓) R15	1.5K	" " "
(✓) R60	1.5K	" " "

- (✓) Step 44. Using two 4-40 x 5/8 binder head screws, two #4 insulating washers, two lockwashers and hex nuts, install 30-pin right angle edge connector in location J5. Insert screws from back (solder) side of board and place an insulating washer on each screw on front (component) side of board. Position connector with socket side facing right, place over screws and seat pins in mounting holes. Then place lockwasher on each screw, start nuts and tighten. Solder pins to board.