

PROCESSOR TECHNOLOGY CORPORATION

Sol-PC SINGLE BOARD TERMINAL COMPUTERTM

SECTION III

- (✓) Step 18. Install the following capacitors in the indicated locations. Take care to observe the proper value and type for each installation. Bend leads outward on solder (back) side of board, solder and trim. (Refer to NOTE in Step 2.)

CAUTION

REFER TO FOOTNOTE AT END OF THIS STEP BEFORE
INSTALLING C31.

| <u>LOCATION</u> | <u>VALUE</u> | <u>TYPE</u> |
|-----------------|--------------|-----------------------|
| (✓) C31* | 100 ufd | Aluminum Electrolytic |
| (✓) C32 | .1 ufd | Disc |
| (✓) C34 | 680 pfd | Monolythic or Disc |
| (✓) C35 | .1 ufd | Mylar Tubular |
| (✓) C36 | .1 ufd | Disc |
| (✓) C37 | .1 ufd | Disc |
| (✓) C52 | .001 ufd | Mylar Tubular |
| (✓) C53 | .01 ufd | Mylar Tubular |
| (✓) C54 | .001 ufd | Disc |
| (✓) C55 | .001 ufd | Disc |
| (✓) C57 | .1 ufd | Disc |

*Install C31 with "+" lead at the top.

- (✓) Step 19. Install Q2 (2N2907 or 2N3460) in its location below and to the right of U88. The emitter lead (closest to tab on can) is oriented toward the left of the board and the base is oriented toward the bottom. Push straight down on transistor until it is stopped by the leads. Solder and trim.
- (✓) Step 20. Install diodes D9 and D10 (1N4148 or 1N914) in their locations below U88. Position D9 with its dark band (cathode) to the left and D10 with its band to the right.
- (✓) Step 21. Install coaxial cable, composite video output. (See Figure 3-4 for details on how to prepare cable.)
- (✓) Strip away about 1¼" of the outer insulation to expose shield. Unbraid shield, gather and twist into a single lead. Then strip away the inner conductor insulation, leaving about ¼" at the shield end.

CAUTION

WHEN PREPARING AND INSTALLING SHIELD, BE
SURE BITS OF BRAID DO NOT FALL ONTO BOARD.
SUCH DEBRIS CAN CREATE HARD-TO-FIND SHORT
CIRCUITS.

- (✓) Insert inner conductor in mounting hole P1 (left side of board), solder and trim.