

PROCESSOR TECHNOLOGY CORPORATION

Sol-PC SINGLE BOARD TERMINAL COMPUTERTM

SECTION III

LOCATION	VALUE (ufd)	TYPE	ORIENTATION
() C9	.047	Disc	None
() C12	.047	"	"
() C17	.047	"	"
() C18	.047	"	"
() C22	.047	"	"
() C23	.047	"	"
() C27	.047	"	"
() C28	.047	"	"
() C46	.047	"	"

- (✓) Step 7. Check for +5-volt bus to ground shorts. Using an ohmmeter, measure between the positive and negative leads of C58. You should measure some resistance. Zero resistance indicates a short. If required, find and correct the problem before proceeding to Step 8.

- (✓) Step 8. Install diodes D8 (1N4148 or 1N914), D11 (1N5231B) and D12 (1N4001) in their locations (in the area below U90 through U92). Position D8 with its dark band (cathode) to the right, D11 with its band at the bottom, and D12 with its band at the top.

NOTE

The leads of D12 and its mounting holes are a snug fit. Take care when installing this diode.

- (✓) Step 9. 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.

LOCATION	VALUE (ohms)	COLOR CODE
() R104	10 K	brown-black-orange
() R105	1.5K	brown-green-red
() R106	1.5K	" " "
() R130	100, $\frac{1}{2}$ watt	brown-black-brown
() R131	100, $\frac{1}{2}$ watt	" " "
() R132	100, $\frac{1}{2}$ watt	" " "
() R133	330	orange-orange-brown
() R134	330	" " "
() R135 & 136	10 K	brown-black-orange
() R137 & 138	47	yellow-violet-black

- (✓) Step 10. 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.)