LOCATION	VALUE (ohms)	COLOR CODE
R72	680	blue-gray-brown
R73	680	" " "
R74	680	" " "
R75	680	" " "
R76	680	" " "
R77	680	" " "
R78	680	" " "
R79	680	" " "
R92	5.6K	green-blue-red
R93	1.5K	brown-green-red
R94	10 K	brown-black-orange
R95	15 K	brown-green-orange
R116	1.5K	brown-green-red

( ) Step 51. 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.)

LOCATION	VALUE	TYPE
C29	.1 ufd	Disc
C30	330 pfd	Disc

( ) Step 52. Install diodes D1 (1N4148 or 1N914), D2 (1N4001) and D3 through D6 (1N4148 or 1N914) in their locations in the area of U39. Position all diodes with their dark band (cathode) to the right.

1N959B

( ) Step 53. Install the following DIP switches in the indicated locations. Take care to observe proper orientation.

LOCATION	TYPE	ORIENTATION
S2	8-position	Switch No. 1 at top
S3	8-position	Switch No. 1 at top
S4	6-position	Switch No. 1 at top

( ) Step 54. Install Q1 (2N2907 or 2N3460) in its location between U55 and U56. The emitter lead (closest to tab on can) is oriented toward the bottom and the base lead toward the right. Push straight down on transistor until it is stopped by the leads. Solder and trim.

( ) Step 55. Using two 4-40 x 7/16 binder head screws, hex nuts and lockwashers, install 25-pin female connector in location J1 (serial I/O interface). Position connector with socket side facing right and insert pins into their holes in the circuit board. Insert screws from back (solder) side of board, place lockwasher on each screw, start nuts and tighten. Then solder connector pins to board.