
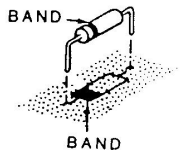


## Board Assembly

- 1.1 Begin by unpacking the parts and taking inventory. It will help to sort the components by type and value. Keep the package labeled BANDPACK separate as these parts will be installed later. As shown at the left side of the page here, two check boxes are provided to help you keep track of progress. Check off one box as you complete each step. Check off the second box when you go back to review your work.
  
- 1.2 All of the parts are mounted on the top side of the circuit board. Position the board in front of you with the component overlay screen up and J100 at the upper left corner.. Refer to the parts list and the parts overlay diagram to help identify parts. In the following steps, “install” means to physically install the component at the proper location on the circuit board, then turn the board over and solder the leads, and trim the leads. All diodes are mounted horizontally. Some resistors and chokes are mounted vertically (sticking up from the board) and some are mounted horizontally (lying flat on the board). As shown in the drawing, vertically mounted components should be mounted with the body of the component in the hole marked with a circle on the circuit board. This allows access to the other end for testing, etc.  

  
- 1.3 In the following steps you will install several diodes. Be sure to position the banded end as shown on the board.  

- 1.4 Install 1N4148 diodes at D108, D111.
- 1.5 Install 1N34A diodes at D101, D107.
- 1.6 Install a 1N4007 diode at D100.
- 1.7 Install 8 pin IC sockets, one at a time, at U100, U101, U102, U103, U107, and U108. Be sure that the small half-moon notch on one end of the socket matches the notch in the outline on the board. Solder all 8 pins on each socket.
- 1.8 Install a 14 pin IC socket at U106. If the socket has a notch on one end, match it to the outline. Solder all 14 pins.
- 1.9 Install 10uH chokes (Brn-Blk-Blk) at L107 and L109. Both chokes mount vertically (see drawing step 1.2). Chokes are not polarized--It does not matter which end goes into which hole..
- 1.10 Install 15uH chokes (Brn-Grn-Blk) at L100 and L108. L108 mounts vertically.