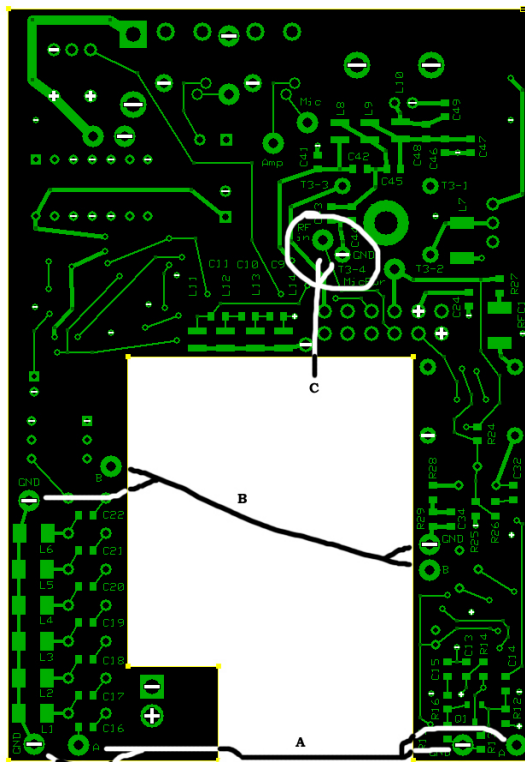




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## HT-7 Rev B Construction Notes 6/09/09

1. When installing coaxial cable, you need to use a nearby ground pin to connect the shield of the coax. Since shields can easily short to nearby parts, they may need to be covered by heat shrink tubing, which is included in your kit. We have also included bare wire that you can solder into the ground hole, wrap the other end around the braid, then solder it. This may be easier than trying to solder braid directly to ground pads. The locations of the nearby grounds for the 3 lengths of coax that are used are indicated below by “-“ signs inside the pads:



Note: The small HT-7-1 microphone preamp board connects to the other end of the cable that is shown at “C” above. There is a section of bare wire attached to the crystal that you can connect to the braid and then cover with heat shrink tubing.

2. The PTT button may stick if the board is not straight. It can be bowed if the lockwasher on the BNC connector and the washer on the volume control are placed on the outside. Place these washers on the controls before inserting the board into the sheet metal.
3. It is crucial that the mic and headphone connectors be mounted perfectly flush with the board. The ring at the end must be snapped over the edge of the board. On some boards, it may be necessary to shave the edge of the board slightly using a pocketknife or hobby knife. Otherwise the connectors may not line up with the holes in the chassis.