

Capacitors, Connector(s) & Notes

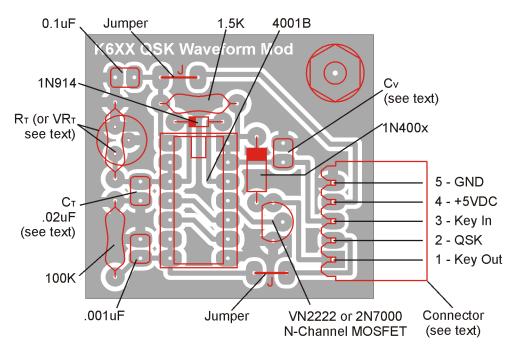
.001uF monolithic - Mouser 21RX510 .02uF monolithic - Mouser 21XR420 0.1uF monolithic - Mouser 21XR310 TS-950 users note: You *must* connect to a +15VDC supply line, rather than to a +5VDC line. Otherwise, the VOX/T-R line may trigger falsely. This mod must be used with an AUX Key input (see: http://www.jps.net/k6xx/ikanrite.htm#auxkeyin). Finally, this mod will NOT function TS950 series unless a 1/4" stereo phone plug (empty or otherwise) is installed in the KEY jack on the pack panel of the radio.

(Optional) 5-Pin .025" Rt-Angle PC-Mtg Shrouded (male) Header connector, Mouser 571-1033613, mating plug is with Mouser 571-1022413 (this mating plug, requires five 571-875236 female receptacles).

You may find it helpful to have a couple single-pin connectors for the DC and the KEY IN lines as well. Mouser 571-7874992 single-pin housings (with 571-877567 receptacles) mate with 571-1021073 push-in pin or with a single pin from Mouser 517-6111TN.

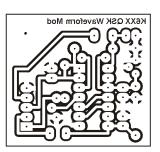
* Starting value, Cv & CT must be found by trial and error. Start with .001uF at Cv and increase if non-QSK keying needs to be heavier.

For Cτ, start with .02uF-.022uF and about 500k for Rτ. Or use a 1M pot at Rτ and adjust it until the proper weighting is achieved. Then replace the pot with a fixed resistor of equal value. Note that pads are also provided for a permanently mounted trimpot (Mouser 72-T7RYB-1M or 594-75H-1M), if you wish to replace Rτ with a variable device altogether.





Full-Size (1X) PC board layouts 1-1/2" x 1-3/8"



Foil-Side of PC board, showing X-Ray view of component placement. All components mount on the NON-FOIL side of board.