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Thanks for purchasing the TiCK keyer from Kanga US. I purchased the TiCK series of keyers from Embedded Research earlier this year, and have rushed it into production. The software that is on the chips is the original software from Embedded Research, but the PC Board is new. Embedded Research was unable to find the original layout for the board, so I have re-done the board. Any mistakes in the board layout are mine!

I am including the original documentation for the kit along with a new layout for parts placement on the new PC Board. It is close to the original board. The documentation is included on the enclosed CD in the TiCK Directory.

 Most of you will just mount the PIC Chip in the socket (U1), 5 volt regulator (U2) with two filter caps (C1 and C2), keying transistor with resistor (R1) and capacitor (C3) and jumpers in place of R3 and C4. R2/R3/C4/C5 are needed only if you are going to feed the audio from the TiCK to your rig for monitoring purposes.

Most of you will power your TiCK Keyer using a 9 or 12 volt battery. According to the specsheet for the 78L05 regulator, you can use up to 30 volts into the regulator, so you should be ok using up 30 volts to run the board.

Have fun with your new Keyer!

73 – Bill – N8ET
Kanga US