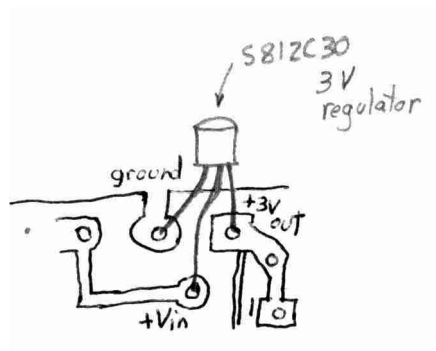


Building the MegaPK-II kit
(detailed instructions)
from Jackson Harbor Press

The following detailed build sequence expands on step 3 of the regular MegaPK-II manual. It includes the installation of optional items such as the SSR or voltage regulator.

Here is a suggested sequence for installing the parts:

- a) 8 pin DIP socket - should be inserted roughly in the center of the board with the notch towards the top edge of the board, insert and solder
- b) optional SSR: 6 pin DIP socket – should be inserted to the top right of the 8 pin socket with the notch towards the top edge of the board, insert and solder
- c) C8 – small yellow .1 uF capacitor marked 104 - located to the top of the socket, insert and solder
- d) C4 – small yellow .01 uF capacitor marked 103 - located to the right of the 8 pin socket, insert and solder
- e) C5 – small yellow .01 uF capacitor marked 103 - located to the right of the 8 pin socket, insert and solder
- f) C3 – small yellow .01 uF capacitor marked 103 - located to the right of C5, insert and solder
- g) R2 – 4.7 k ohm (yellow-violet-red-gold) – form the leads of R2 then insert and solder R2 just to the below C3
- h) C7 – small yellow .01 uF capacitor marked 103 - located below the 8 pin socket, near the 1/8” hole, insert and solder
- i) R4 – 180 ohm (brown-gray-brown-gold) – form the leads of R4 then insert and solder R4 below and to the left of C7
- j) R3 – 1 k ohm (brown-black-red-gold) – form the leads of R3 then insert and solder R3 above R4
- k) C6 – dark red .015 uF capacitor marked 153, .2” lead space - located above R3, insert and solder
- l) Q1 – 2n7000 (transistor - TO-92 case) – with the leads of Q1 in a straight line, spaced .1” apart, insert and solder Q1 to the right of R2 (step g above)
- m) optional voltage regulator: C1 - small yellow .1 uF capacitor marked 104 - located to the left and above C6 (step k above), insert and solder
- n) optional voltage regulator: U2 – TO-92 3 lead device marked S812C30 – located between C1 and C8 – see the drawing below for a hopefully clearer view of where to insert the leads of U2:



Building the MegaPK-II keyer kit from Jackson Harbor Press

o) optional voltage regulator: C2 – 2.2 uF Tantalum yellow capacitor marked: 2u2, with one lead bumped out slightly (the positive lead) and the positive lead also indicated with a + and an L shaped line. Locate C2 above the 8 pin socket, oriented with the + side towards the 8 pin socket and the – side towards the top edge of the board (there are + and – signs on the board), insert and solder

n) optional SSR: R5 - 180 ohm (brown-gray-brown-gold) – form the leads of R5 as shown with one lead straight and the other bent over 180 degrees, then insert and solder R5 between C2 and the 6 pin socket

This completes the detailed part insertion / solder sequence, continue with step 4 of the MegaPK-II manual.

Notes:

Please feel free to email with any questions, comments, suggestion or problems with this kit. My email address is:
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Thanks for choosing the MegaPK-II keyer kit and
Best Regards,

Chuck Olson, WB9KZY

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