

Kit building notes:

Order of mounting parts on the circuit board:

- 1) 1206 size 0.1 uF SMT capacitors C2 at pin 1 pad of U1.
1206 size 0.1uF SMT capacitors C15, C21, C22, C23 adjacent to U7.
1206 size 0.01uF SMT capacitors fill remaining ten SMT locations.
- 2) Five-pin SMT voltage regulator, U2, on bottom of board
Exercise care in mounting U2 on the circuit board.
Make sure U2 leads are well centered on their pads
before tacking part in place by careful soldering of
one lead. Apply heat to pin to reposition U2 and when properly positioned
carefully solder the other leads. Use solder wick to remove
excess solder or solder bridges between pins.
- 3) U8, FIN1002, on bottom of board with careful soldering as with U2.
- 4) U4, Si570, on bottom of board with careful soldering as with U2.
- 5) Mount all SOICs on bottom of the board. (If an IC in the kit fits a location
then it is right for that location.)
- 6) Voltage regulator U1 is mounted to top of board with a 4-40 machine screw,
#4 star lock washer, and hex nut attaching the tab of U1 to the board.
- 7) DIP switch pack, SW1, mounted on top of board.
- 8) 2-pin and 3-pin sockets mounted in J1 and J2 locations. Use 9-pin header piece
in the kit to align J1 and J2.
- 9) Resistors R1 through R25 on top of board with R11, R12, R13, R14, R15, R16, and R25
mounted flat to board. All other resistors mounted in a hairpin fashion.
- 10) Capacitors C1, C3, C7, C10, C14, C17, C18, C19 and C20 mounted on top of the board.
- 11) Socket for U3 mounted on top of board.
- 12) Mount D1 on top of the board in a hairpin fashion with the diode body
above the hole closest to the board edge.
- 13) Connect a shorting wire from the /ENRX hole to the grounded hole to its left.

SoftRock Projects

SoftRock Lite+Xtall v8.3

Tony KB9YIG

Rev 1.0

5/15/2008

Page 3 of 3