

<b>Bill of materials for SoftRock v6 , 30m</b> Tony, KB9YIG, 8/25/06		
<b>Resistors</b> 10, 1/4W, 1% 10k, 1/4W, 1% 499, 1/4W, 1% 1.0k, 1/4W, 1% 4.99k, 1/4W, 1% 22.1k, 1/4W, 1%	<b>used where</b> R1, R7, R8, R9, R10 R2, R3, R15 R4, R6 R5, R13, R14, R16 R11, R12 R17, no silkscreen markings on v6.0 PCB R17 silkscreen markings on v6.1 PCB	<b>quantity</b> 5 3 2 4 2 1
		mount in C6-C7 location on v6.0 PCB
<b>Capacitors</b> 10uF/16 VDC Electrolytic 0.1uF, smt 1206 220pF ceramic, 5% 100pF ceramic, 5% not used 22pF ceramic, 5% 0.047uF ceramic, 5% 220pF ceramic, 5% 470pF ceramic, 5% 180pF ceramic, 5%	<b>used where</b> C1, C2, C18 C3, C4, C8, C9, C10, C11, C16, C17, C19, C20, C24 C14, C15 C5 C6 C7 C12, C13 C14, C15 C21, C23 C22	<b>quantity</b> 3 11 2 1 0 1 2 2 2 1
		spare provided in kit
<b>Inductors/transformers</b> 0.8uH, T30-2 core, 14T, #30 wire 2.2uH, T30-2 core, 22T, #30 wire T30-2 core, primary winding 14T #30 wire, secondary windings: each 7T bifilar #30 wire Wire, AWG #30	<b>used where</b> L1 L2 T1  for winding L1, L2 and T1	<b>quantity</b> 1 1 1  8 feet
<b>ICs</b> 78L05, TO92 pack 74HC74, SOIC14 FST3253, SOIC16 OPA2228UA or LTC6241IC8 or MAX4489ASA, SO8	<b>used where</b> U1 U2, U3 U4 U5	<b>quantity</b> 1 2 1 1
<b>Transistors</b> 2N3904, TO92 2N3906, TO92	<b>used where</b> Q1 Q2	<b>quantity</b> 1 1
<b>Diodes</b> 1N4003	<b>used where</b> D1	<b>quantity</b> 1
<b>Xtal</b> 40.5 MHz for 30m operation	<b>used where</b> X1	<b>quantity</b> 1
<b>Connectors</b> three pin header, 0.1 inch centers two pin header, 0.1 inch centers jumper plug	<b>used where</b> JP1 JP2 on JP1 and JP2	<b>quantity</b> 1 1 2
<b>PCB</b> SR_v6.0_rev.2	<b>used where</b> PCB	<b>quantity</b> 1
<b>Hardware</b> 1/8in #4 nylon spacer #4 nylon washer 3/8in. 4-40 screw 4-40 hex nut	<b>used where</b> board mounting hardware, four corner mounting holes	<b>quantity</b> 4 4 4 4
<b>Cables</b> 3.5mm stereo audio cable	kit builder to supply	