

Bill of materials for SoftRock v6 , 15m Tony, KB9YIG, 10/2/06		
Resistors 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%	used where R1, R7, R8, R9, R10 R2, R3, R15 R4, R6 R5, R13, R14, R16 R11, R12 R17	quantity 5 3 2 4 2 1
Capacitors 10uF/16 VDC Electrolytic 0.1uF, smt 1206 100pF ceramic, 5% not used for 15m 22pF ceramic, 5% 0.047uF ceramic, 5% 220pF ceramic, 5% 470pF ceramic, 5% 27pF ceramic, 5%	used where C1, C2, C18 C3, C4, C8, C9, C10, C11, C16, C17, C19, C20, C24 C5 C6 C7 C12, C13 C14, C15 C21, C23 C22	quantity 3 11 1 1 1 2 2 2 1
Inductors/transformers 0.13uH, T25-6 core, 7T, #30 wire 1.9uH, T25-6 core, 26T, #30 wire T25-6 core, primary winding 7T #30 wire, secondary windings: each 4T bifilar #30 wire Wire, AWG #30	used where L1 L2 T1 for winding L1, L2 and T1	quantity 1 1 1 8 feet
ICs 78L05, TO92 pack 74HC74, SOIC14 FST3253, SOIC16 OPA2228UA or LTC6241IC8 or MAX4489ASA, SO8	used where U1 U2, U3 U4 U5	quantity 1 2 1 1
Transistors 2N3904, TO92 2N3906, TO92	used where Q1 Q2	quantity 1 1
Diodes 1N4003	used where D1	quantity 1
Xtal 28.060 MHz for 15m operation	used where X1	quantity 1
Connectors three pin header, 0.1 inch centers two pin header, 0.1 inch centers jumper plug	used where JP1 JP2 on JP1 and JP2	quantity 1 1 2
PCB SR_v6.0_rev.2	used where PCB	quantity 1
Hardware 1/8in #4 nylon spacer #4 nylon washer 3/8in. 4-40 screw 4-40 hex nut	used where board mounting hardware, four corner mounting holes	quantity 4 4 4 4
Cables 3.5mm stereo audio cable	kit builder to supply	

spare provided in kit