

Bill of materials for SoftRock v6.2 Lite , 20m		
Tony, KB9YIG, 11/27/06		
20m SoftRock Lite operated in 1/3 sub-harmonic sampling mode, reverse tip and ring on audio cable		
Resistors	used where	quantity
10, 1/4W, 1%	R1, R8, R9, R10, R112	5
10k, 1/4W, 1%	R2, R3, R16	3
499, 1/4W, 1%	R4, R7	2
1.0k, 1/4W, 1%	R5, R11, R13, R14, R15, R17	6
22.1 k, 1/4W, 1%	R6	not uses
Capacitors	used where	quantity
0.1uF, smt 1206	C1, C2, C7, C9, C10, C15, C16, C17, C19, C20	10 spare provided in kit
180 pF ceramic, 5%	C3	1
100 pF ceramic, 5%	C4	1
22 pF ceramic, 5%	C5	1
10uF/16 VDC Electrolytic	C6, C8, C18	3
0.047uF ceramic, 5%	C11, C13	2
1500pF ceramic, 10%	C12, C14	2
47 pF ceramic, 5%	C21	1
820pF ceramic, 10%	C22	1
Inductors/transformers	used where	quantity
3.5uH, T25-6 core, 30T, #30 wire	L1	1
T25-6 core, primary winding 8T #30 wire, secondary windings: each 4T bifilar #30 wire	T1	1
Wire, AWG #30	for winding L1 and T1	4 feet
ICs	used where	quantity
78L05, TO92 pack	U1	1
74HC74, SOIC14	U2, U3	2
FST3253, SOIC16	U4	1
TLV2462CD	U5	1
Transistors	used where	quantity
2N3904, TO92	Q1	1
2N3906, TO92	Q2	1
Diodes	used where	quantity
1N4003	D1	1
Xtal	used where	quantity
18.73 MHz for 20m operation (divide by 4)	X1	1
PCB	used where	quantity
SR_v6.2_9_27	PCB	1
Hardware	used where	quantity
1/8in #4 nylon spacer	board mounting hardware, two side mounting holes	2
#4 nylon washer		2
3/8in. 4-40 screw		2
4-40 hex nut		2
Cables		
3.5mm stereo audio cable	kit builder to supply	