

SoftRock 6m/4m/2m RX Ensemble Receiver Kit

Bill of Material

Circuit Board

	1	SoftRock 6m/4m/2m RX Ensemble Circuit Board
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ICs

	1	Si570
	1	78L05
	1	FST3253
	1	LT6231
	1	74AC74
	1	LP2992AIM5-3.3 (LFEA)
	1	LTV817
	1	ATTiny85 programmed with v15.12 code
	1	8-pin DIP socket
	1	Diode Mixer ADE 1+
	1	BF991.215

Capacitors

	6	4.7 μ F 10%
	4	30pF trimmer
	1	11pF trimmer
	1	82pF 5%
	1	100pF 5%
	1	120pF 5%
	1	150pF 5%
	1	180pF 5%
	1	220pF 5%
	1	270pF 5%
	2	390pF 5%
	2	0.047 μ F 10%
	2	0.01 μ F 10%
	1	1.2pF
	1	2.2pF
	1	2.7pF
	3	0.01 μ F (1206 SMT)
	17	0.1 μ F (1206 SMT -- ink mark on back of strip)

Resistors/Diodes

	1	1N4003
	2	BZX55C3V3
	1	1N5227B
	3	68 Ω 1/6W 5%
	1	1.0M Ω 1/6W 5%
	2	4.99k Ω 1/4W 1%
	4	10k Ω 1/6W 5%
	9	2.2k Ω 1/6W 5%
	4	10.0 Ω 1/4W 1%
	3	120 Ω 1/6W 5%
	1	33 Ω 1/6W 5%
	1	47 Ω 1/6W 5%

Connectors

	1	BNC jack
	1	2.5mm power jack
	1	2.5mm power plug
	1	USB jack
	1	3.5mm audio jack

Hardware

	4	#4 nylon washer
	4	4-40x1/2in. screw
	4	4-40 hex nut
	4	#4x1/4in. nylon spacer

Cores/Wire

	6	T25-6 core (0.25inch OD, yellow)
	3	T25-12 core (0.25inch OD, green)
	1	BN-43-2402 binocular core
	≈10ft.	#26 magnet wire
	≈10ft.	#30 magnet wire