

Updated Sept 28, 2010; added ferrite core; changed PVC to 1 1/4 inch (slips over 1 inch pipe)

Reference designator:	Qty	Description	Mfr.	Mfr P/N	Mouser SKU
		Electrical components			
T1	1	Ferrite core for transformer	Amidon	FT82A-61	
J1-5	5	Type F female, RA PCB mount, 0.9"	Bomar	864B509	678-864B509
R1-3	3	100k axial 1/8W resistor			
R4	1	10k axial 1/8W resistor			
VR1	1	50k pot vertical mount 9 mm	Alps	RK09D1130A0S	688-RK09D1130A0S
knob for VR1	1	6 mm 18 point T18	Eagle Plastic Devices	450-AE185	450-AE185
J6	1	2.5 mm power jack RA PCB mount	Switchcraft	RAPC712X	502-RAPC712X
IC1	1	78L08 8V regulator, TO-92	ON semiconductor	MC78L08ACPG	863-MC78L08ACPG
SW1	1	SPST toggle switch	Mountain Switch	108-0014-EVX	108-0014-EVX
B1+	1	female snap 9V battery connector	Keystone	534-594	534-594
B1-	1	male snap 9V battery connector	Keystone	534-593	534-593
D1	1	small signal schottky diode	Vishay	1N5819	625-1N5819-E3
C1	1	390 pF radial 0.1" capacitor			
C2	1	220 pF radial 0.1" capacitor			
C3	1	120 pF radial 0.1" capacitor			
C4	1	68 pF radial 0.1" capacitor			
C5,6	2 or 3	0.1 uF radial 0.1" (1 installed as X2 in std config)			
C7	1	10 uF tantalum radial 0.2"			
C8	1	100 uF tantalum radial 0.2"			
X1-8	0 or 2 or 8	AM radio tuning diode (varactor)	NTE	NTE618	526-NTE618
Installed as X2	1 optional	39 pF radial 0.1" capacitor			
Installed as X4	1 optional	22 pF radial 0.1" capacitor			
Installed as X6	1 optional	12 pF radial 0.1" capacitor			
Installed as X8	1 optional	6.8 pF radial 0.1" capacitor			
HDR	0 or 8	2 pin header, 0.025" pins, 0.1" spacing	Molex	22-10-2021	538-22-10-2021
Shunts for above	0 to 8		Adam Tech	MSA-G	737-MSA-G
Coax for loop	20 feet	RG-6 foam dielectric coax			

Connectors for coax	2	Type F male compression type			
		Mechanical components			
Box for antenna PCB	1	4.37"x2.37"x1.98" diecast aluminum	Bud	CU-479	563-CU-479
Box for controller	1	4.68"x3.68"x1.98" diecast aluminum	Bud	CU-5473	563-CU-5473
U-bolt	1	2.375" (sized for "2 inch" IPS water pipe)			
Top, left, right pipe	3	PVC schedule 40, 1 1/4 inch IPS, 42 inches long			
Bottom pipe	1	PVC schedule 40, 1 1/4 inch IPS, 84 inches long			
Cross	1	PVC schedule 40, 1 1/4 inch IPS cross			
Hardware		6-32 screws, nuts, standoffs; 3/8-24 nuts for F conn			