

Reference	Description	Value	Quantity	Dat sheet or Part Link
				AliExpress. 17/25cm 5 Section Metal Full-Channel Am Fm Radio Antenna Telescopic Antenna Rotating Antenna Aerial M2.5 https://www.aliexpress.us/item/3256806492066394.html
				eBay for the ATT
AE1	Antenna 3" – 8 5/8", 5 Segment, Dia. 5mm (.198") or ATT 5000 Cordless phone antenna	Ant 3", 5mm	0	+ Red Enamel 26 AWG Wire Wrap
AE1 Option	ATT 5000 Cordless phone antenna	6mm Dia 3" antenna	1	eBay as low as \$3 each
BT1	6v Battery Pack - Optional	4 AA Batteries	1	Aliexpress: https://www.aliexpress.us/item/3256805289292980.html
BT1 3D	6v Battery Pack Mount, 3D printed	AA 3D Holder	1	
BT1,BT2	9v Battery Clip	3D Printed	2	
C1,C3,C6	Yellow .022uf Dummy Capacitor (22n)	Y .022uf Dummy	3	Ali Electronics, Yellow Metallized polyester film radial capacitors. 22n or 22 nf desired. .022uf AliExpress
C2,C4	White .001uf Dummy Capacitor (10n)	W .001uf Dummy	2	Ali Electronics, White Metallized polyester film radial capacitors. Marking 10n desired. .001uf AliExpress
C5	Mylar Capacitor	0.1uf	1	MLCC substitute or Jameco / AliExpress for Mylar
C7	Electrolytic Capacitor - Blue	4.7uf	1	Mouser
C8	Ceramic Disk Capacitor	220pf	1	Mouser
C9	Mylar/MLCC Capacitor	.0027uf	1	AliExpress/Mouser
C10	Mylar/MLCC Capacitor	.047uf	1	Jameco, AliExpress, Mouser
C11,C12,C13	Electrolytic Capacitor	1uf	3	Mouser
C14	MLCC Capacitor	0.33uf	1	Mouser
C15,C17	MLCC Capacitor .01 or .1uf	0.1uf	2	Mouser
C16	Electrolytic Capacitor - Black	10uf	1	Mouser
D1,D2,D3,D4,D5,D6	Signal Diode	1N914	6	Mouser
D7,D8,D9,D10,D11	Red LED	Ultra Bright Red, 5MM	5	Mouser, Lighthouse LED, AliExpress
D12	Rectifier Diode	1N4001	1	Any source
L1	EMF Pickup coil	3D Printed	1	32 gauge. 36 AWG Preferred 32g 0.11 per ft @ 120'
L2	Dummy Coil Right Side	Hand Made	1	22AWG 0.6438mm 0.0253", Copper Wire 0.65mm
LS1	Speaker 20x30mm, 8 ohm, 1.5 Watt	20x30x0.4mm 1Watt	1	AliExpress. https://www.aliexpress.us/item/3256807204066808.html
R1,R7,R15	1/4w Resistor	1M	3	Any source
R2,R22	1/4w Resistor	22k	2	Any source
R3	1/4w Resistor	91k	1	Any source
R4	1/4w Resistor	9.1k	1	Any source
R5	1/4w Resistor	1k	1	Any source
R6,R8,R18,R20	1/4w Resistor	10k	4	Any source
R9,R11,R12,R13,R16,R23	1/4w Resistor	100k	6	Any source
R10	1/4w Resistor	10M	1	Any source
R14	1/4w Resistor	3.3M	1	Any source
R17	1/4w Resistor	2.2M	1	Any source
R19	1/4w Resistor (3.9k/15k depending on scale)	15k	1	Any source
R21	1/4w Resistor	1.8k	1	Any source
R24	1/4w Resistor	1.2k	1	Any source
R25	1/4w Resistor	33	1	Any source
R26	1/4w Resistor (Optional, for 3v scale)	1.5k	1	Any source
RV1,RV2	Variable resistor. 3326/3386 F or P series	100k	2	Mouser Electronics, https://www.mouser.com/ProductDetail/Bourns/3386H-1-104LF?qs=m2uG%2FFdTAPVxro77x9HS0w%3D%3D Jameco https://www.jameco.com/z/3386P-1-104LF-JVP-Jameco-ValuePro-1-2-Watt-3-8-Square-Trimming-Potentiometer-100k-Ohm_43027.html (\$0.99)
RV3	1k/5k ohm, Variable resistor (PT15 Series)	5k	1	PT15NV02-502A Included with VU meter or Jameco for PT15 Black Pot
SW1	SW_Coded EECO 2700	EECO 276133M	1	eBay. A Variety of switches are supported.
SW2	SW_DIP_x04, Flat or Piano	SW_DIP_x04	1	Mouser, https://www.mouser.com/ProductDetail/CTS-Electronic-Components/195-4MS?qs=hDoPxpGr7ldwh3tetBscOg%3D%3D
SW3,SW4,SW5	SW_Push. 6x6x5mm SPST	Tactile Switches,6X6	3	Mouser, AliExpress
SW6	SW_DPDT			Mouser, C&K E201MD1AQE (\$15.46) or E-Switch 100DP1T1B1M6QE (\$4.35) https://www.mouser.com/ProductDetail/CK/E201MD1AQE?qs=c89up6qpALNEJs%2FyQ1km0A%3D%3D https://www.mouser.com/ProductDetail/E-Switch/100DP1T1B1M6QE?qs=wUXugUrL1qxY%2528YjsepFRcA%3D%3D
U1	TL084	TL084	1	7mm MTS-202C3 AliExpress (Chrome casing \$1.18) Mouser
U2	ATTiny85-20P	ATTiny85-20P	1	Mouser
U3	DPlayer Module	MP3-TF-16P	1	AliExpress
U4	7805 To-220	L78N05	0	Minimum 500ma output. Mouser, w/ 9v source
U7	LF50CDT / TC1262-5.0 TO-252/DPAK	LF50CDT	1	Minimum 500ma output. w/ 6v source need LDO, LF50CDT Mouser https://www.mouser.com/ProductDetail/511-LF50CDT-TR
U5	LM3914N	LM3914N	1	AliExpress
VU1	Meter Element Decibel Measurement on AC Voltage Range Analog Multimeter Tester for ACDC 1000V500m A/Voltmeter Ammeter Ohmmeter Meter Volt			
VU1_BASE	Requires a 3D printed base	MF-110A	1	AliExpress, https://www.aliexpress.us/item/3256807924391371.html
MS-M3	3D Printed Base for MF-110 Meter element		1	
MS-M3	Mechanical screw, Battery Holder	M3 x 6mm	4	AliExpress
MS-8	Mechanical Standoff, Battery Holder	M3-10mm	4	AliExpress
BUCK	-6V Buck converter	DD0315NA	1	AliExpress
SD Card	2-8GB Micro SD card for MP3		1	AliExpress/Amazon
PCB	Double Sided PCB		1	Tindie
Wire	Antenna Coil, 26 AWG (.415mm)			Red enameled wire. 2 layers of wire wrap. 26 AWG Amazon, AliExpress, Jameco
Wire	EMF Pickup Coil			36 AWG wire, 350 turns ~ 70' 36 AWG Amazon, AliExpress
Wire	Rainbow wire 24 AWG			Jameco: 24 AWG 10 Color Stranded Wire Kit Assortment https://www.jameco.com/z/UL-1007-10CS-Jameco-ValuePro-24-AWG-10-Color-Stranded-Wire-Kit-Assortment_2187876.html
Wire	L2 Coil (22 AWG, 0.6438mm 0.0253")			~ 50" of solid 22 AWG copper wire 22 AWG Used a strand from 10AWG stranded cable
				Approximately \$75 in parts cost