Reference	Description	Value	Quantity Dat sheet or Part Link	Part Cost	Extended
			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?spm=a2g0o.productlist.main.37.68f2hfX1hfX12G&algo_pvid=18e0ab00-315a-4151-bd1b-13307e4b242b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13307e4b24b&algo_exp_id=18e0ab00-315a-4151-bd1b-13000-315a-4151-bd1b-13000-315a-4151-bd1b-13000-315a-4151-bd1b-13000-315a-4151-bd1b-13000-315a-4151-bd1b-13000-31		
			bd1b-13307e4b242b-		
			$36\&pdp\_ext\_f=\%7B\%220rder\%22\%3A\%2225\%22\%2C\%22eval\%22\%3A\%221\%22\%7D\&pdp\_npi=4\%40dis\%21USD\%211.29\%211.24\%21\%2116.60\%218.96\%21\%40\%21112000037992135363\%21sea\%21140\%2146999999999999999999999999999999999999$		
			US%212927003445%21X&curPageLogUid=uOVDvnEgydBL&utparam-url=scene%3Asearch%7Cquery_from%3A		
			· · · · · · · · · · · · · · · · · · ·		
			eBay for the ATT		
	Antenna 3" - 8 5/8", 5 Segment, Dia. 5mm (.198")				
AE1	or ATT 5000 Cordless phone antenna	Ant 3", 5mm	0 + Red Enamel 26 AWG Wire Wrap	\$1.30	\$0.00
AE1 Option	ATT 5000 Cordless phone antenna	6mm Dia 3" antenna	1 eBay as low as \$3 each	\$3.00	\$3.00
BT1,BT2	9v Battery Clip	3D Printed	2	\$0.50	
			All Electronics, Yellow Metallized polyester film radial capacitors. 22n or 22 nf desired022uf		
C1,C3,C6	Yellow .022uf Dummy Capacitor (22n)	Y .022uf Dummy	3 AliExpress	\$0.07	\$0.21
			All Electronics, White Metallized polyester film radial capacitors. Marking 10n desired, .001uf		
C2,C4	White .001uf Dummy Capacitor (10n)	W .001uf Dummy	2 AliExpress	\$0.23	\$0.46
C5	Mylar Capacitor	0.1uf	1 MLCC substitute or Jameco / AliExpress for Mylar	\$0.10	\$0.10
C7	Electrolytic Capacitor - Blue	4.7uf	1 Mouser	\$0.10	\$0.10
C8	Ceramic Disk Capacitor	220pf	1 Mouser	\$0.10	\$0.10
C9	Mylar/MLCC Capacitor	.0027uf	1 AliExpress/Mouser	\$0.02	\$0.02
C10	Mylar/MLCC Capacitor	.047uf	1 Jameco, AliExpress, Mouser	\$0.20	\$0.20
C11,C12,C13	Electrolytic Capacitor	1uf	3 Mouser	\$0.10	
C14	MLCC Capacitor	0.33uf	1 Mouser	\$0.17	
C15,C17	MLCC Capacitor .01 or .1uf	0.01uf	2 Mouser	\$0.10	
C16	Electrolytic Capacitor - Black	10uf	1 Mouser	\$0.10	
D1,D2,D3,D4,D5,D6	Signal Diode	1N914	6 Mouser	\$0.10	
D7,D8,D9,D10,D11	Red LED	Ultra Bright Red, 5MM	5 Mouser, Lighthouse LED, AliExpress	\$0.25	1
D12	Rectifier Diode	1N4001	1 Any source	\$0.10	
L1	EMF Pickup coil	3D Printed	1 32 gauge. 36 AWG Preferred 32g 0.11 per ft @ 120'	\$1.35	
L2	Dummy Coil Right Side	Hand Made	1 22AWG 0.6438mm 0.0253", Copper Wire 0.65mm	\$1.00	
LS1	Speaker 2030mm, 8 ohm, 1.5 Watt	20x30x0.4mm 1Watt	1 AliExpress. https://www.aliexpress.us/item/3256807204066808.html?spm=a2g0o.detail.pcDetailTopMoreOtherSeller.3.6110wxll.wxll.OW&gps-id=pcDetailTopMoreOtherSeller&scm=1007.40050.354490		
R1	1/4w Resistor	270k	1 Any source	\$0.10	\$0.10
R7,R15	1/4w Resistor	1M	2 Any source	\$0.10	
R2,R22	1/4w Resistor	22k	2 Any source	\$0.10	
R3	1/4w Resistor	91k	1 Any source	\$0.10	
R4	1/4w Resistor	9.1k	1 Any source	\$0.10	
R5	1/4w Resistor	1k	1 Any source	\$0.10	
R6,R8,R18,R20	1/4w Resistor	10k	4 Any source	\$0.10	
R9,R11,R12,R13,R16,R23	1/4w Resistor	100k	6 Any source	\$0.10	
R10	1/4w Resistor	10M	1 Any source	\$0.10	
R14	1/4w Resistor	3.3M	1 Any source	\$0.10	
R17	1/4w Resistor	2.2M	1 Any source	\$0.10	
R19	1/4w Resistor (3.9k/15k depending on scale)	15k	1 Any source	\$0.10	
R21	1/4w Resistor	1.8k	1 Any source	\$0.10	
R24	1/4w Resistor	1.2k	1 Any source	\$0.10	
R25	1/4w Resistor	33	1 Any source	\$0.10	
R26	1/4w Resistor (Optional, for 3v scale)	1.5k	1 Any source	\$0.10	
NEO .	274W Nesister (optional) for 54 searcy	21311	Mouser Electronics, https://www.mouser.com/ProductDetail/Bourns/3386H-1-104LF?qs=m2uG%2FFdTAPVxro77x9HS0w%3D%3D	\$0.10	Ç0.10
RV1,RV2	Variable resistor. 3326/3386 F or P series	100k	2 Jameco https://www.jameco.com/z/3386P-1-104UF-JVP-Jameco-ValuePro-1-2-Watt-3-8-Square-Trimming-Potentiometer-100k-Ohm 43027.html (\$0.99)	\$0.99	\$1.98
1141,1142	variable resistor. 3320/33001 or 1 series	1001	PTISNOS-60A	Ţ0.55	\$1.50
RV3	1k/5k ohm, Variable resistor (PT15 Series)	5k	1 Included with VU meter or Jameco for PT15 Black Pot	\$0.30	\$0.30
SW1	SW_Coded_EECO_2700	EECO 276133M	1 eBay. A Variety of switches are supported.	\$15.00	
SW2	SW_DIP_x04, Flat or Piano	SW_DIP_x04	Mouser, https://www.mouser.com/productDetail/CTS-Electronic-Components/195-4MS?qs=hDoPxpGr7ldwh3tetBscOg%3D%3D	\$0.92	
SW3,SW4,SW5	SW_Push. 6x6x5mm SPST	Tactile Switches,6X6	3 Mouser, AllExpress	\$0.40	
3443,344,3443	SW_Fusii: 0x0x3iiiiii 3F31	ractile switches,0x0	Mouser, CRK E201MDIAQE (\$15.46) or E-Switch 100DP1TIB1M6QE (\$4.35)	30.40	\$1.20
			https://www.mouser.com/ProductDetail/CK/E201MD1AQE?qs=c89up6qpALNEJs%2FyQ1km0A%3D%3D		
			https://www.mouser.com/ProductDetail/E-5witch/100DP1T1B1M6QE7qs=wUXugUrL1gx%S28VjsepFRcA%3D%3D		
SW6	SW DPDT		ntps://www.nious-confrienductearie-swintry/toob=1161mote-rqs=woxugort.qx+%25261peprictx%50%50  1 7mm MTS-202C3 AllExpress (Chrome casing \$1.18)	\$15.46	\$15.46
U1	TL084	TL084	1 min min 2005 with press (choine casing 31.10) 1 Mouser	\$0.74	1 1 1
U2	ATtiny85-20P	ATtiny85-20P	1 Mouser 1 Mouser	\$1.66	
U3	DF Player PCB	MP3-TF-16P	1 MOUSET  1 AllExpress. MP3-TF-16P Blue LED. Do not use MP3-TF-16P V3.0 w/ red LED. Too slow. Original DF Player Mini, Blue LED and DF Player Mini V0.5.1, Red LED also work.	\$3.00	
U4/U7	7805 To-220 or TO-252 DPAK	L78N05	1 AllEXPIESS. NIP3-11-10P BIUE LED. DO NOT USE MIP3-11-12P V3.0 W/ TED LED. TOO STORY.  1 Minimum Sound output. Mouser, https://www.mouser.com/ProductDetail/STMicroelectronics/1/8M05CDT-17R3g=s1Mmd6db252Bcuk37m6db252Pduk378M5D3D	\$3.00	
U5	/805 10-220 OF 10-252 DPAK LM3914N	L/8NU5 LM3914N	1 minimum souma output. Mouser, nttps://www.mouser.com/productoetailysi microeiectronics/L78m/uscD1-iix/qs=ii/amigdi%2528cuka/miob%2fqniw%30%3D  1 AlfExpress	\$0.35	
03	Meter Flement	LIVI3914IV	1 MILAPIESS	\$0.20	\$0.20
	Decibel Measurement on AC Voltage Range Analog				
	Multimeter Tester for ACDC 1000V500m A/Voltmete				
		:1			
	Ammeter Ohmmeter Meter Volt				
	Bandara 2B adated base	145 4404	4 NEW 2011 A 1971 A 197	40	40 =4
VU1	Requires a 3D printed base	MF-110A	1 AliExpress, https://www.aliexpress.us/item/3256807924391371.html?spm=a2g0o.order_list_order_list_main.10.52c81802ReQv2H&gatewayAdapt=glo2usa	\$3.71	
VU1_BASE	3D Printed Base for MF-110 Meter element	A42 C	A Million	\$1.20	
MS-M3	Mechanical screw, Battery Holder	M3 x 6mm	4 AllExpress	\$0.03	
MS-8	Mechanical Standoff, Battery Holder	M3-10mm	4 AliExpress	\$0.14	\$0.56