

Reference	Description	Value	Quantity	Dat sheet or Part Link
BT1	AA Battery pack	6v Battery Pack	1	AliExpress
C1,C3	Capacitor (0805 SMT)	0.1uf	2	MLCC substitute or Jameco / AliExpress for Mylar
C2	Electrolytic Capacitor	1uf	1	Mouser/Jameco/AliExpress
C4	Capacitor (0805 SMT)	2.2uf	1	Mouser/Jameco/AliExpress
C6	Capacitor (0805 SMT)	10uf	1	Mouser/Jameco/AliExpress
D1	3mm/SMT 0805 LED	PROG_LED	1	Mouser/Jameco/AliExpress
D2	Signal diode	1N4148	1	Mouser/Jameco/AliExpress
D3	Power diode	SL1A	1	Mouser/Digikey
D4,D5,D6,D7,D8,D9,D10,D11, D12,D13	RED Ultra Bright LED	LED	10	AliExpress
H1,H2	6/32 mounting screw and nut	Ant Mount	2	Any hardware store
H3,H4,H5,H6	M3 or 4-40 Screws,nuts, 8-10mm standoff	Battery Mount	4	AliExpress
LS1	10x30 mm 2W speaker	Speaker	1	AliExpress. <a href="https://www.aliexpress.us/item/3256807204066808.html">https://www.aliexpress.us/item/3256807204066808.html</a>
R6	Resistor (SMT 0805)		330	1 Mouser
R7	1/4w Resistor - Optional	10k		1 Mouser
R8	1/4w Resistor	47k		1 Mouser
R9	Resistor (SMT 0805)	1.8k		1 Mouser
R10	1/4w Resistor	1.8k		2 Mouser
R11	1/4w Resistor	100k		1 Mouser
R12	1/4w Resistor	1.2k		1 Mouser
R13	1/4w Resistor	1.5k		1 Mouser
R14	1/4w Resistor		33	1 Mouser
RV1	Variable Resistor	1k		1 Mouser/Jameco (Multiple foot print support)
SW1	BCD Rotary Switch	APEM PT65501		1 Mouser / Digikey
SW3,SW4,SW5	6mm Push button sw	Tactile Switches,6X6	3	Mouser/AliExpress
U1	ATTiny1604 (SOIC-14, SMT)	ATtiny1604-SSFR	1	Mouser, <a href="https://www.mouser.com/ProductDetail/Microchip-Technology/ATTINY1604-SSFR?qs=u16ybLDytRZ1y%252BVcVH0ZjQ%3D%3D">https://www.mouser.com/ProductDetail/Microchip-Technology/ATTINY1604-SSFR?qs=u16ybLDytRZ1y%252BVcVH0ZjQ%3D%3D</a>
U2	DFPlayer Module	MP3-TF-16P	1	AliExpress
U3	5v LDO regulator. TO-252	LF50CDT	1	Mouser
U5	LED VU Display IC	LM3914N	1	AliExpress
VU1	DC Meter 0-15 VDC (Base 55x49mm, 47mm Dia Hole)	MU-45	1	MU-45 DC Meter 0-15v (52x58mm, 47mm hole size), AliExpress: <a href="https://www.aliexpress.us/item/3256808562128482.html">https://www.aliexpress.us/item/3256808562128482.html</a>
AA Battery Pack Holder	3D printed part	6v Battery Pack Mount, 3D printed		1 Tindie
SD	Micro SD card for MP3 files			1 AliExpress/Amazon
PCB	Double sided PCB			1 Tindie
* RL1-2	Low signal relay (12.5x7.5x10 mm)	G5V-1, 5VDC	2	AliExpress: <a href="https://www.aliexpress.us/item/3256808790911517.html">https://www.aliexpress.us/item/3256808790911517.html</a>
*U6-11	Misc ICS 2x 14p, 3x 16p, 1 x 18p		6	
*XC1-9	Surface mount crystals HC-49S	10.240MHz + Mixed	10	Mouser/AliExpress
* Items are cosmetic only				
				<b>Approximately \$40 in parts cost</b>