

ID	Name	Designator	Qty	Price Qty 1	Price	Price W/ Tax	Notes	Link to product
1	0.1u	C1,C4,C6,C7,C8,C9	6	\$0.10	\$0.60	\$0.69		
2	1 ohm	R22, R28	2	\$0.05	\$0.10	\$0.12		
3	10k	R1,R4,R5,R8,R9,R10,R11,R12,R13,R15,R19,R20,R21,R27	14	\$0.05	\$0.63	\$0.72		
4	100k	R14,R16,R17,R26	4	\$0.05	\$0.20	\$0.23		
5	1k	R2, R23,R25	3	\$0.05	\$0.14	\$0.16		
6	5.6K	R3	1	\$0.05	\$0.05	\$0.06		
7	100 ohm	R18	1	\$0.05	\$0.05	\$0.06		
8	Speaker 8 ohm, 100W	SP1	1	\$15.90	\$15.90	\$18.29		woofers
9	TEA5767	U5	1	\$9.09	\$9.09	\$10.45		TEA 5767
10	AMS1117-3.3 Voltage Regulator	U2	1	\$0.29	\$0.29	\$0.33		AMS1117-3-3
11	AMS1117-5.0 Voltage Regulator	U7	1	\$0.18	\$0.18	\$0.21		
12	SYN6988 Text to Speech module	U6	1	\$20.50	\$20.50	\$23.58		SYN6988
13	1K	R2	1	\$0.05	\$0.05	\$0.05		
14	10 ohm	R12	1	\$0.05	\$0.05	\$0.05		
15	Radio Volume Pot 10K	RP1	1	\$0.39	\$0.39	\$0.44		10K Ohm Pot
16	PAM8403 Audio Amp	U3	1	\$0.91	\$0.91	\$1.05	PCB Mount with no pot	PAM 8403
17	1N4007	D1	1	\$0.13	\$0.13	\$0.14		
18	1N4747A 20V zener diode	ZD1	1	\$0.14	\$0.14	\$0.16		

19	100u	C10	1	\$0.04	\$0.04	\$0.05		
20	Announce Volume 5K	RP2	1	\$0.39	\$0.39	\$0.45		Trimmer Pots
21	Beeps Volume 5K	RP3	1	\$0.39	\$0.39	\$0.45		Trimmer Pots
22	ATMEGA328P	U1	1	\$3.34	\$3.34	\$3.84	Buy one with bootloader on it already	ATMEGA328P
23	22pf	C2,C3	2	\$0.18	\$0.37	\$0.42		
24	47nf	C4	1	\$0.04	\$0.04	\$0.05		
25	10u	C5	2	\$0.04	\$0.08	\$0.09		
26	2.2u	C7	1	\$0.04	\$0.04	\$0.05		
27	PTT Resettable FUSE 1.6A	F1	1	\$0.56	\$0.56	\$0.65	Resettable Fuse	BK60-160-DZ YAGEO Mouser Canada
28	Programming header and others	H1	3	\$0.05	\$0.15	\$0.17	Programmin g Jack - Male Header pins	
29	HK19F-DC5V- SHG(Y)	K1	1	\$3.17	\$3.17	\$3.65		5V Relay
30	Power SW1A/B	P10/P11	1	\$3.46	\$3.46	\$3.98	46-151-0 (black button on-off)	Switches
31	SW2 - Announce	P3	1	\$0.94	\$0.94	\$1.08		Pushbutton Switch
32	SW3- F1 Preset	P4	1	\$0.94	\$0.94	\$1.08		Pushbutton Switch
33	SW4 - F4 Preset	P5	1	\$0.94	\$0.94	\$1.08		Pushbutton Switch
34	SW5 - F3 Preset	P6	1	\$0.94	\$0.94	\$1.08		Pushbutton Switch
35	SW6 - Mute	P7	1	\$0.94	\$0.94	\$1.08		Pushbutton Switch
36	3.5mm Headphone jack (female)	P8	1	\$1.50	\$1.50	\$1.73		3.5mm Jack
37	BSP250 FET	Q1, Q2	2	\$0.92	\$1.84	\$2.12		

38	USB-C 5V DC Charger	P7	1	\$3.00	\$3.00	\$3.45		Lithium Li-ion Battery Charger Board 3.7V 4.2V
39	4.7K	R6,R7	2	\$0.05	\$0.09	\$0.10		
40	Rotary Encoder	ROT1	1	\$2.38	\$2.38	\$2.73		Rotary Encoder Code Switch
41	2x16 I2C LCD	U4	1	\$8.98	\$8.98	\$10.32	I2C Type	Freenove I2C IIC LCD 1602 Module
42	16MHZ	X1	1	\$0.28	\$0.28	\$0.32		
43	1000uF	C13	1	\$0.10	\$0.10	\$0.12		
44	PCB	PCB	1	\$7.54	\$7.54	\$8.67	From PCBWay	PCBWay
45	PCB Shipping/Duty from PCBWay	PCB	1	\$9.34	\$9.34	\$10.74	Includes shipping, duty, bank fees	PCBWay
46	Wire	Wire	1	\$1.80	\$1.80	\$2.07	#24 AWG wire	
47	PLA	Plastic Case	1	\$5.59	\$5.59	\$6.43		Creality Ender PLA Filament 1.75mm 4KG
48	Battery Holder	Battery Holder	1	\$2.00	\$2.00	\$2.30		18650 Battery Clip 2 Slots 7.4V
49	Meccanixity 1A 2S LI-Ion charging module	Charging module	1	\$3.37	\$3.37	\$3.88		MECCANIXITY charging module

		18650					Price Highly variable based on capacity and quality. Samsung, LG, Sony, Panasonic, Cameron Sino, Jesspow and Molicel recommended as the safest brands.	
50	Battery		2	\$12.16	\$24.32	\$27.97		JESSPOW-Rechargeable-Batteries
51	Machine Screws	#8 1/4 or 3/8"	12	\$0.05	\$0.60	\$0.69		
						\$159.63	Canadian \$	