

Bill of Materials - Master

Item #	Name	Price/Unit	Quantity	Total Sum	Details/Datasheet
1	0.1uF 0805 Capacitor	\$0.01	1	\$0.01	https://resi.store/datasheets/smdcapacitor.pdf
2	4pF 0805 Capacitor	\$0.01	2	\$0.02	https://resi.store/datasheets/smdcapacitor.pdf
3	0.01uF (10nF) 0805 Capacitor	\$0.01	6	\$0.06	https://resi.store/datasheets/smdcapacitor.pdf
4	1nF 0805 Capacitor	\$0.01	1	\$0.01	https://resi.store/datasheets/smdcapacitor.pdf
5	10uF 0805 Capacitor	\$0.01	2	\$0.02	https://resi.store/datasheets/smdcapacitor.pdf
6	1uF 0805 Capacitor	\$0.01	9	\$0.09	https://resi.store/datasheets/smdcapacitor.pdf
7	4.7uF 0805 Capacitor	\$0.01	5	\$0.05	https://resi.store/datasheets/smdcapacitor.pdf
8	0.47uF 0805 Capacitor	\$0.01	1	\$0.01	https://resi.store/datasheets/smdcapacitor.pdf
9	0.39uF 0805 Capacitor	\$0.01	1	\$0.01	https://resi.store/datasheets/smdcapacitor.pdf
10	1uF Tant Capacitor	\$0.02	1	\$0.02	https://resi.store/datasheets/tantalumcap.pdf
11	MBR360G DO201-15	0.5	1	\$0.50	https://www.digikey.com/products/en?keywords=MBR360G
12	220ohm Ferrite Bead 0603	0.01	2	\$0.02	https://www.digikey.com/product-detail/en/tdk-corporation/MPZ1608S221ATA00/445-1565-1-ND/571895
13	30ohm Ferrite Bead 0603	0.01	3	\$0.03	https://www.digikey.com/product-detail/en/w-rth-elektronik/742792609/732-1591-6-ND/1639922
14	INA332AIDGKR SOP65	1.61	1	\$1.61	https://www.digikey.com/product-detail/en/texas-instruments/INA332AIDGKR/296-41265-1-ND/5222729
15	LM4991MAX_NOPB	1.35	1	\$1.35	https://www.digikey.com/product-detail/en/LM4991MAX%2fNOPB/296-35283-1-ND/3738991/?itemSeq=316865867
16	LM2576HVS-12	6.57	1	\$6.57	https://www.digikey.com/product-detail/en/texas-instruments/LM2576HVS-12-NOPB/LM2576HVS-12-NOPB-ND/44624
17	IS42S16400J-7TLI	1.83	1	\$1.83	https://www.mouser.com/ProductDetail/ISSI/IS42S16400J-7TLI?qs=eOmjsnl%2FhF6iYGbICFWNhg%3D%3D
18	CDCE937PWRG4	4.12	1	\$4.12	https://www.ti.com/store/ti/en/p/product/?p=CDCE937PWRG4
19	AD5320IDBVR		1	\$0.00	https://www.mouser.com/ProductDetail/Analog-Devices/AD5320BRTZ-REEL7?qs=sGAEPiMZZMswix2y39yldfRSUitQKynFIP6ERJCyCJE%3D
20	ADS7868IDBVR	1.55	1	\$1.55	https://www.digikey.com/product-detail/en/ADS7868IDBVR/296-41406-1-ND/5222649/?itemSeq=316865670
21	MCP1726T-ADJE_SN	0.68	4	\$2.72	https://www.digikey.com/product-detail/en/MCP1726T-ADJE%2fSN/MCP1726T-ADJE%2fSNCT-ND/9642900/?itemSeq=316865653
22	REF3125AQDBZRQ1	2.81	1	\$2.81	https://www.digikey.com/product-detail/en/texas-instruments/REF3125AQDBZRQ1/296-46908-1-ND/7244250
23	2x5 Shrouded Connector	0	2	\$0.00	https://resi.store/datasheets/header.pdf
24	2x20 Shrouded Connector	0	1	\$0.00	https://resi.store/datasheets/header.pdf
25	40-pin Male Header Pins	0	1	\$0.00	https://resi.store/datasheets/header.pdf
26	SRR1260-101M 100uH Inductor	1.25	1	\$1.25	https://www.digikey.com/product-detail/en/bourns-inc/SRR1260-101M/SRR1260-101MCT-ND/2127403
27	3mm LED	0.05	1	\$0.05	https://www.sparkfun.com/datasheets/Components/LED/COM-00533-YSL-R531R3D-D2.pdf
28	Electret Microphone	0.5	1	\$0.50	https://resi.store/inventory/item.php?plu=967
29	24MHz CTS406	0.98	1	\$0.98	https://www.digikey.com/product-detail/en/406i35D24M00000/CTX1208CT-ND/4308785/?itemSeq=316865462
30	2.2k 0805 Resistor	0.01	3	\$0.03	https://resi.store/datasheets/smdresistor.pdf
31	20k 0805 Resistor	0.01	2	\$0.02	https://resi.store/datasheets/smdresistor.pdf
32	4.7k 0805 Resistor	0.01	7	\$0.07	https://resi.store/datasheets/smdresistor.pdf
33	18.2 0805 Resistor	0.01	3	\$0.03	https://resi.store/datasheets/smdresistor.pdf
34	10k 0805 Resistor	0.01	2	\$0.02	https://resi.store/datasheets/smdresistor.pdf
35	1 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
36	1k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
37	220 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
38	510k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
39	100k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
40	150k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
41	510k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
42	86k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
43	12k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
44	40k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
45	20k 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf

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46	0.4 0805 Resistor	0.01	1	\$0.01	https://resi.store/datasheets/smdresistor.pdf
47	2.1mm DC Barrel Jack Connector	0.4	1	\$0.40	https://resi.store/datasheets/barrel.pdf
48	10k 10mm Potentiometer	0.2	1	\$0.20	https://resi.store/datasheets/linearpot.pdf
49	10M50DAF484C7G FPGA	0	1	\$0.00	Provided by Program
50	E3.5-10 Electrolytic Capacitor 1000uF	0.89	1	\$0.89	https://www.digikey.com/product-detail/en/UHE1E102MHD6/493-1558-ND/589299/?itemSeq=316871088
51	E5-6 Electrolytic Capacitor 100uF	0.35	1	\$0.35	https://resi.store/datasheets/electrolytic.pdf
52	220 Ohm Resistor	\$0.05	21	\$1.05	https://resi.store/datasheets/resistor.pdf
53	Single 3mm RGB LED	\$0.01	6	\$0.06	https://www.aliexpress.com/item/32765953525.html
54	RGB LED Strip	\$5.99	1	\$5.99	https://www.amazon.com/gp/product/B06X9DF2TJ/
55	8 Ohm 3W Speaker	\$3.91	1	\$3.91	https://www.mouser.com/datasheet/2/670/css-66668n-1311606.pdf
56	9V AC-DC Power Jack	\$13.90	1	\$13.90	https://www.amazon.com/Belker-Universal-Adapter-Supply-Speaker/dp/B07N18XN84/ref=sr_1_3?keywords=AC-
Total Sum				53.23	