

Basic Materials to Build Assistant Mocktails Mixer							
Item #	Part	Cost/Unit	Supplier	QTY	Total Cost(-shipping)	Comments	Link
Hardware							
1	#10-32 X 1in Length Button Socket Head SS (92949A271)	\$0.12	McMaster	12	\$1.44	Box of 50 \$6.16	https://www.mcmaster.com/#92949a271/=17darel
2	#10-32 Square Nut (94785A411)	\$0.09	McMaster	18	\$1.58	Box of 100 \$8.80	https://www.mcmaster.com/#94785a411/=17dayrh
3	#2-56 X 3/16 Phillip Head 3/16 L (91772A076)	\$0.06	McMaster	44	\$2.51	Box of 100 \$5.76	https://www.mcmaster.com/#91772a076/=17dasam
4	#2-56 SS Phillip Head 3/8 L (91772A079)	\$0.05	McMaster	44	\$2.07	Box of 100 \$4.71	https://www.mcmaster.com/#91772a079/=17dash6
5	#10-32 X 1/2 in Length Button Socket Head (92949A265)	\$0.06	McMaster	20	\$1.22	Box of 100 \$6.11	https://www.mcmaster.com/#92949a265/=17datT3
6	#10-32 X 3/4 Length Button Socket Head SS (92949A269)	\$0.08	McMaster	8	\$0.67	Box of 100 \$8.48	https://www.mcmaster.com/#92949a269/=17daw2c
7	#2-56 X 1/2 in Length Pan Head Phillip (91772A081)	\$0.05	McMaster	18	\$0.95	Box of 100 \$5.29	https://www.mcmaster.com/#91772a081/=17daw9b
8	#2-56 X 3/8 in Length 1/8 in OD Standoff (93330A252)	\$0.75	McMaster	6	\$4.50	\$75 ea	https://www.mcmaster.com/#93330a252/=17dawnh2
9	#2-56 X 5/32 in Length Pan Head Phillip (91772A073)	\$0.03	McMaster	4	\$0.12	Box of 100 \$3.00	https://www.mcmaster.com/#93330a252/=17dak09
10	#2-56 SS Hex Nut (91841A003)	\$0.03	McMaster	16	\$0.43	Box of 100 \$2.77	https://www.mcmaster.com/#91841a003/=17dawnw1
11	#4-40 X 1.25 in Length Pan Head Phillips (91772A116)	\$0.07	McMaster	4	\$0.26	Box of 100 \$6.57	https://www.mcmaster.com/#91772a116/=17dax72
12	#8-32 X 3/8 in Length 1/4 in Hex Standoff Female to Male (91075A451)	\$1.72	McMaster	4	\$6.88	\$1.72 ea	https://www.mcmaster.com/#catalog/123/3301/=17daxbs
13	#4-40 Hex Nut (91841A005)	\$0.03	McMaster	10	\$0.26	Box of 100 \$2.61	https://www.mcmaster.com/#91841a005/=17daufc
14	#8-32 Hex Nut (91841A009)	\$0.03	McMaster	4	\$0.13	Box of 100 \$3.18	https://www.mcmaster.com/#hex-nuts/=17dawni
15	#2 washer	\$0.03	McMaster	40	\$1.06	Box of 100 \$2.64	https://www.mcmaster.com/#90107a003/=17db2wy
Electronics							
16	Raspberry Pi 3	\$39.95	Adafruit	1	\$39.95		https://www.adafruit.com/product/3055
17	Arduino Micro	\$20.63	Digikey	1	\$20.63		https://www.digikey.com/product-detail/en/arduino/A000053/1050-1066-ND/4486332
18	Beefcakes (Relays)	\$7.95	Sparkfun	8	\$63.60		https://www.sparkfun.com/products/13815
19	5V-5A 25W AC to DC Power Supply	\$9.49	Jameco	1	\$9.49		http://www.jameco.com/z/RS-25-5-Mean-Well-AC-to-DC-Power-Supply-Single-Output-5-Volt-5-Amp-25-Watt_323282.html
20	12V-5A 60W AC to DC Power Supply	\$12.99	Amazon	1	\$12.99		https://www.amazon.com/QUANS-Universal-Regulated-Switching-Lighting/dp/B00UHI3NGS
21	14 Gauge Bundled Wire with Plug	\$6.24	Digikey	1	\$6.24		https://www.digikey.com/product-detail/en/cnc-tech/800-1401-2-SJT0-BL-00100/1175-1195-ND/3064926
22	Speaker - 4 Ohm	\$4.75	Digikey	1	\$4.75		https://www.digikey.com/products/en?keywords=668-1117-ND
23	2.5W Class D Amplifier	\$3.95	Digikey	1	\$3.95		https://www.adafruit.com/product/2130
24	USB Microphone	\$5.95	Adafruit	1	\$5.95		https://www.adafruit.com/product/3367
25	Neopixel Ring	\$16.95	Adafruit	1	\$16.95		https://www.adafruit.com/product/1586
26	USB Extender	\$3.95	Adafruit	1	\$3.95		https://www.adafruit.com/product/908
27	18 Gauge Wire - GREEN (8054T15) (per Ft)	\$0.23	McMaster	5	\$1.15		https://www.mcmaster.com/#8054t15/=17dov93
28	18 Gauge Wire - RED (8054T15) (per Ft)	\$0.23	McMaster	5	\$1.15		https://www.mcmaster.com/#8054t15/=1

[illegible]