

Item	Description	Quantity	\$ Each Approx	Vendor	Part Number	Vendor URL
1	Perma-Proto Circuit Board, Full Size	1	7	Adafruit Industries	1606	https://www.adafruit.com/product/1606
2	wire, solid, black, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	https://www.adafruit.com/product/3174
3	wire, solid, red, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	see above
4	wire, solid, yellow, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
5	wire, solid, green, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
6	wire, solid, blue, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
7	wire, solid, violet, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
8	wire, solid, grey, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
9	wire, solid, white, 24 AWG (22-26 AWG OK)	30cm	4	Adafruit Industries	3174	
10	solder, lead-free, SAC 305 alloy	50cm	15	Adafruit Industries	1930	https://www.adafruit.com/product/1930
11	capacitor, 10uF 25V	1	1	Digi-Key	493-10451-1-ND	https://www.digikey.com/en/products/detail/nichicon/UMA
12	Header Pins, 36 positions	3	5	Adafruit Industries	392	https://www.adafruit.com/product/392
13	Current Limiting Resistor, 100Ω	1	1	Adafruit Industries	4293	https://www.adafruit.com/product/4293
14	LED (Light Emitting Diode)	1	4	Adafruit Industries	299	https://www.adafruit.com/product/299
15	heat shrink tubing, DIA 1.5 - 3mm x 15mm 1 each	1	5	Adafruit Industries	1649	https://www.adafruit.com/product/1649
16	Tactile Pushbutton Switch + Cap	1	6	Adafruit Industries	1009	https://www.adafruit.com/product/1009
17	Push-on, push-off type power switch	1	2	Digi-Key	CW181-ND	https://www.digikey.com/en/products/detail/cw-
18	Adalogger Data Logger FeatherWing	1	9	Adafruit Industries	2922	https://www.adafruit.com/product/2922
19	Feather M4 Express	1	23	Adafruit Industries	3857	https://www.adafruit.com/product/3857
20	Stacking Headers, 12 position and 16 position	1	1	Adafruit Industries	2830	https://www.adafruit.com/product/2830
21	Near Infrared Spectrum Sensor (AS7263)	1	26	SparkFun Electronics	SEN-14351	https://www.sparkfun.com
22	Air Temperature Sensor (MCP9808)	1	5	Adafruit Industries	1782	https://www.adafruit.com/product/1782
23	Pressure and Humidity Sensor (BME280)	1	20	Adafruit Industries	2652	https://www.adafruit.com/product/2652
24	Visible Spectrum Sensor (AS7262)	1	20	Adafruit Industries	3779	https://www.adafruit.com/product/3779
25	Infrared Thermometer Sensor 90° FOV	1	16	Adafruit Industries	1747	https://www.adafruit.com/product/1747
26	TFT Touch Screen Display (Thin Film Transistor)	1	30	Adafruit Industries	3315	https://www.adafruit.com/product/3315
27	CR1220 Clock Battery	1	1	Adafruit Industries	380	https://www.adafruit.com/product/380
28	SD micro card, micro SD to full size SD adapter	1	10	Adafruit Industries	1294	https://www.adafruit.com/product/1294
29	micro SD to USB A adapter	1	6	Adafruit Industries	939	https://www.adafruit.com/product/939
30	Lithium Ion Rechargeable Battery, Cylindrical	1	10	Adafruit Industries	1781	https://www.adafruit.com/product/1781
31	USB cable, micro b to A	1	3	Adafruit Industries	592	https://www.adafruit.com/product/592
32	USB cable, micro b to C	1	3	Adafruit Industries	3879	https://www.adafruit.com/product/3879
38	Full size breadboard, for use as assembly fixture	1	6	Adafruit Industries	239	https://www.adafruit.com/product/239
	Parts cost		267			