

LOCATION	ITEM	Part Number	Qty	Description	Vendor	URL	Unit Price	Total price	NOTES	ALT Supplier
PCB	1	1536	1	Piezo Buzzer - 5 volt	Adafruit	https://www.adafruit.com/product/1536	\$0.95	\$0.95		
PCB	2	2886	1	Headers for Argon (Feather)	Adafruit	https://www.adafruit.com/product/2886	\$0.95	\$0.95		
PCB	3	392	1	Male pin headers, 10 x 36	Adafruit	https://www.adafruit.com/product/392	\$4.95	\$4.95		
PCB	4	43001	1	Potentiometer - 10K ohm	Jameco	https://www.jameco.com/z/72PR10K-3386P-1-103--BI-Technologies-1-2-Watt-3-8-Square-Trimming-Potentiometer-10k-Ohm_43001.html?CID=MERCH	\$1.25	\$1.25		
PCB	5	2781	1	Resistor, 470 ohm; pack of 25	Adafruit	https://www.adafruit.com/product/2781	\$0.75	\$0.75	Need 3 resistors	
PCB	6	2783	1	Resistor, 4.7 Kohm; pack of 25	Adafruit	https://www.adafruit.com/product/2783	\$0.75	\$0.75	Need 3 resistors	
PCB	7	1787	1	74AHCT125 quad level shifter	Adafruit	https://www.adafruit.com/product/1787	\$1.50	\$1.50		
PCB	8	112214	1	IC socket, 14 pin DIP, 0.3"	Jameco	https://www.jameco.com/z/6000-14DW-R-Socket-IC-14-Pin-Dual-Wipe-Low-Profile-0-3-Inch-Wide_112214.html	\$0.25	\$0.25		
PCB	9	3997	1	Particle Argon	Adafruit/Particle	https://www.adafruit.com/product/3997	\$27.50	\$27.50		https://store.particle.io/collections/wifi/products/argon
PCB	10	753	1	Capacitor, 0.1 uF; 10 pack	Adafruit	https://www.adafruit.com/product/753	\$1.95	\$1.95	Need 6 capacitors	https://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=25523
PCB	11		1	Printed circuit board	OSHPark	https://oshpark.com/shared_projects/QX8CtBlz	\$36.15	\$36.15	Much cheaper boards are available from JLCPCB.com. Upload the zip archive found in Hardware/PC_board/Eagle Files to this site. Use the default board settings that are presented.	https://ilcpcb.com/
S/T PCB:								\$76.95		
BOX		2289807	1	USB Power supply, 5 volts, 1 amp or greater	Jameco	https://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=2289807	\$3.95	\$3.95		
BOX		222608	1	USB Cable, 3 feet or longer, A male to B male		https://www.jameco.com/z/10U2-02203-BK-Cable-USB2-0-A-B-3-Feet-Black-USB-A-Male-To-USB-B-Male_222608.html?CID=MERCH	\$1.49	\$1.49		
BOX		937	1	Cable, USB B panel mount to micro USB	Adafruit	https://www.adafruit.com/product/937	\$3.95	\$3.95		
BOX			1	LCD character display. 16x2, 3.3 volt	EBay	https://www.ebay.com/itm/DC-3-3V-HD44780-1602-LCD-Display-Module-16x2-Character-LCM-Blue-Backlight-NEW/191563253688?ssPageName=STRK%3AMEBIDX%3AIT&trksid=p2057872.m2749.l2649	\$2.19	\$2.19	Make sure to purchase a 3.3 volt model (not 5 volt!)	
BOX		34761	1	LED, 5 MM, Green	Jameco	https://www.jameco.com/z/LG3330-LED-Uni-Color-Green-565nm-2-Pin-T-1-3-4_34761.html?CID=MERCH	\$0.15	\$0.15		
BOX		1439	1	Backlit pushbutton, Red	Adafruit	https://www.adafruit.com/product/1439	\$1.50	\$1.50		
BOX		1440	1	Backlit pushbutton, Green	Adafruit	https://www.adafruit.com/product/1440	\$1.50	\$1.50		
BOX		23077	1	5 MM LED panel mount kit (10 pack)	Jameco	https://www.jameco.com/z/PT18H013-LED-Mounting-Hardware-T1-3-4-Black_23077.html	\$0.17	\$0.17	Need 1 panel mount	
BOX			1	RFID Reader, PN532 chip	Ebay	https://www.ebay.com/itm/1set-PN532-NFC-RFID-Wireless-Module-V3-User-Breakout-For-Arduino-For-Android/183458101571	\$4.74	\$4.74		
BOX		2260746	1	Jumper, Female/Female (40 wire strip)	Jameco	https://www.jameco.com/z/ZW-FF-20-Busboard-Prototype-Systems-ZipWire-40-Piece-20cm-Female-to-Female-Colored-Jumper-Wires_2260746.html	\$4.95	\$4.95	Need 27 wires	https://www.amazon.com/gp/product/B01L5ULRUA/ref=ppx_yo_dt_b_asin_title_o02_s00
BOX			1	Enclosure parts kit	-----	-----			\$0.00	Laser cut enclosure; see CAD files in this repository
BOX			1	Machine screw, flat head, phillips, M3-0.5 x 16 mm	Amazon	https://www.amazon.com/gp/product/B000NHVQXU/ref=ppx_yo_dt_b_asin_title_o02_s01	\$4.40	\$4.40	Need 8 screws; price is for a pack of 100 screws	
BOX			1	Machine screw, socket cap, hex drive, M3-0.5 x 16 mm	Amazon	https://www.amazon.com/gp/product/B07BS9TWP5/ref=ppx_yo_dt_b_asin_title_o02_s02	\$8.99	\$8.99	Need 8 screws; price is for a pack of 100 screws	
BOX			1	Hex nut, M3, black carbon steel	Amazon	https://www.amazon.com/gp/product/B07H1NPJGP/ref=ppx_yo_dt_b_asin_title_o02_s00	\$6.99	\$6.99	Need 8 nuts, prince I for pack of 150 nuts	
BOX			1	Hex nut, M3, nylon	Amazon	https://www.amazon.com/gp/product/B07DX6RBFS/ref=ppx_yo_dt_b_asin_title_o02_s02	\$8.99	\$8.99	Need 16 nuts (8 for spacers, 8 for fastening). Price is for a pack of 200 nuts	
S/T BOX:								\$53.96		
TOTAL:								\$130.91		