

Item #	Description	Category	Source	Product Number	Units	Price/Unit	Total Price	Changes:	July 12	New PCBs, different connectors / cables, corrected 600mm to 550mm extrusion	Mitch Nelke
1	Barrel Jack, Panel Mount	Electronics	Adafruit	610	1	2.95	2.95	v1.1			
2	USB Bf to Bm Panel Mount Socket	Electronics	Adafruit	907	1	3.95	3.95				
3	H Bridge Motor Controller	Electronics	Adafruit	3190	1	7.5	7.5				
4	RTC Breakout	Electronics	Adafruit	3013	1	13.95	13.95				
5	3/16" Nylon T-Connectors	Plumbing	Amazon	T0-3NN	24	0.813	19.512				
6	Peristaltic Pump	Plumbing	Amazon		2	12.99	25.98				
7	Arduino Uno R3	Electronics	Arduino.cc	Uno Rev3	1	24.95	24.95				
8	DIP Socket 20 Pin	Electronics	Digikey	AE9998-ND	4	0.29	1.16				
9	JST Connector, 2Pin Male	Electronics	DigiKey	455-2247-ND	25	0.141	3.525				
10	M3 x 6mm Machine Screw	Frame/Mounting	Grainger	6HY28	26	0.0868	2.2568				
11	M3 Nut	Frame/Mounting	Grainger	22UK74	26	0.0202	0.5252				
12	M2 x 12mm Machine Screw	Frame/Mounting	Grainger	6GE22	4	0.0523	0.2092				
13	M2 Nut	Frame/Mounting	Grainger	6CA66	4	0.021	0.084				
14	3/16" Nylon Y-Connectors	Plumbing	Grainger	1ZJF6	2	2.429	4.858				
15	3030 Al. Extrusion, 550mm	Frame/Mounting	Misumi	HFSL6-3030	1	4.84	4.84				
16	1515 Al. Extrusion, 550mm	Frame/Mounting	Misumi	HFS3-1515	4	3	12				
17	1515 Al. Extrusion, 520mm	Frame/Mounting	Misumi	HFS3-1515	2	3	6				
18	1515 Al. Extrusion, 210mm	Frame/Mounting	Misumi	HFS3-1515	4	3	12				
19	1515 extrusion bracket	Frame/Mounting	Misumi	HBLTB53	24	0.75	18				
20	T-Nut 3-series	Frame/Mounting	Misumi	HNSQ3-3	30	0.08	2.4				
21	Solenoid Valve	Plumbing	Shenzuen	DSF2-A	25	1.5	37.5				
22	Power Shift Register	Electronics	Mouser	TPIC6B596	4	1.7	6.8				
23	250mL Spout Packs	Plumbing	Impak	FTSSP250CSISL	24	0.34	8.16				
24	Silicone Tubing 3/16" ID x 5/16" OD	Plumbing	USPlastic	54032	50	0.63	31.5				
25	Flat Cable Assembly 9 pos	Electronics	DigiKey	A9CCG-0904F	1	4.82	4.82				
26	Flat Cable Male 9 pos	Electronics	Digikey	5-103669-8	2	1.62	3.24				
27	Ribbon Cbl Assembly 14 Pos	Electronics	Digikey	M3DDA-1406j	2	2.81	5.62				
28	Rect. Connector Male 14 Pos	Electronics	Digikey	SBH11-PBPC-D07-5	4	1.89	7.56				
29	Resistor 20K	Electronics			1						
30	Ceramic Capacitor 0.1 uF	Electronics			1						
31	Water Sampler Board PCB	Frame/Mounting	OPEnS_Lab		1						
32	Bag Cap Inner	Plumbing	OPEnS_Lab		24						
33	Bag Cap Outer	Plumbing	OPEnS_Lab		24						
34	Valve Mount	Frame/Mounting	OPEnS_Lab		2						
35	Pump Mount	Frame/Mounting	OPEnS_Lab		1						
36	Spine Spacer	Frame/Mounting	OPEnS_Lab		4						
37	Arduino Mount	Frame/Mounting	OPEnS_Lab		1						
38	PCB Mount	Frame/Mounting	OPEnS_Lab		1						