

Description	Part Number	Unit Price	#/System	\$/System
1 ESP32-S3-WROOM-1-N8	ESP32-S3-WROOM-1-N8	\$3.20	4	\$12.80
2 Optomax Liquid Level Sensor	LLC200D3SH-LLPK1	\$24.95	2	\$49.90
3 Humidity Sensor	SHT45-AD1B-R3	\$7.18	3	\$21.54
4 Barrel Jack	PJ-202AH	\$0.69	4	\$2.76
5 AC to DC Converter	WSU120-2000	\$15.12	4	\$60.48
6 Solenoid Valve, DC 12V 1/2" Water Flow	Walfront36atn8w5ph	\$18.44	1	\$18.44
7 Humidifier Filter	B07V4T5477	\$15.06	1	\$15.06
8 10uF Decoupling Capacitor 0805 SMD	GMC21X7R106K10NT	\$0.03	18	\$0.45
9 0.1uF Decoupling Capacitor 0805 SMD	0805B104K101CC	\$0.05	18	\$0.90
10 120 Ohm Resistor 0805 SMD	738-RMCF0805FT120RCT-ND	\$0.62	2	\$1.24
11 500 Ohm Resistor 0805 SMD	CRCW08050000Z0EA	\$0.10	1	\$0.10
12 200 Ohm Resistor 0805 SMD	AC0805FR-07200RL	\$0.10	1	\$0.10
13 Adjustable Voltage Regulator	LD1117SC-R	\$0.78	2	\$1.56
14 1x3 Horizontally Mounted Socket (F)	SSW-103-02-G-S-RA	\$0.96	2	\$1.92
15 1x2 Horizontally Mounted Socket (F)	SSW-102-02-G-S-RA	\$0.71	2	\$1.42
16 Green Diode SMD 0805	350-2044-1-ND	\$0.10	4	\$0.40
17 Thermal Stable Solder Paste	TS391AX-ND	\$15.95	1	\$15.95
18 Click Button	2223-TS02-66-60-BK-100-LCR-D-ND	\$0.10	1	\$0.10

Total = \$205.12

Category	Member			
	Andrew	Woojin	Jalen	Machine Shop
Circuit Design	72	2	50	
PCB Design	48	0.5	24	
Quality Check	6	1.5	12	
Software Engineering	18	78	0	
Soldering	25	5	16	
Design Troubleshoot	30	11	30	
Documentation	58	39	53	
Meetings	21	13	15	
Miscellaneous	5	5	20	24
Total Hours	283	155	220	24

Category	Cost
Materials and Parts	680.95
Total Labor	34538.42
Total Cost	35219.37