

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

Category	Member			
	Andrew	Woojin	Jalen	Machine Shop
Total Hours	283	155	220	24