Materials Used:

|  |  |
| --- | --- |
| Materials Used | Qty. |
| Wemos D1 mini ESP32 | 1 |
| LM2596 DC-DC Buck Converter | 2 |
| DS18B20 Waterproof Temperature Sensor | 1 |
| PH-45202C pH Sensor | 1 |
| DFR0300-H Electrical Conductivity Sensor | 1 |
| SEN0237-A Dissolved Oxygen Sensor | 1 |
| 74LS04 Hex Inverter | 1 |
| 6-24V to 5V 3A USB DC-DC Buck Converter | 2 |
| L298N Motor Driver | 1 |
| SGM37-3530 | 1 |
| RGB LED | 5 |
| Push/Tactile Button | 2 |
| 220 Ohm Resistor | 5 |
| 10k Ohm Resistor | 2 |
| 4.4k Ohm Resistor | 1 |
| 16x2 I2C LCD White on Blue Screen | 1 |
| Piezoelectric Buzzer | 1 |
| 12V 2A Power Adapter | 1 |
| 0.33uF Capacitor | 1 |
| 0.1uF Capacitor |  |