

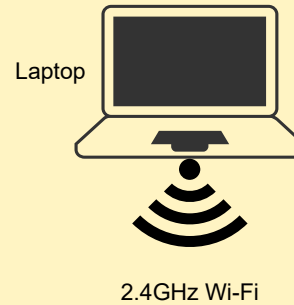


GEARS (General Engineering and ROV Specialists) SID - Float

An top-level diagram of all electronic systems used by our Float.

Fuse Calculations

ESP32 MCU	0.2 A
Linear Actuator	1.5 A
Pressure Sensor	0.2 A
LED	0.1 A
12V to 5V conv.	0.01 A
ADS1115 ADC	0.0002 A
Total	2.0 A
Factor	$\times 150\% = 3.0 \text{ A}$
Fuse	Round up to nearest standard: 5 A



Above Water

Underwater

