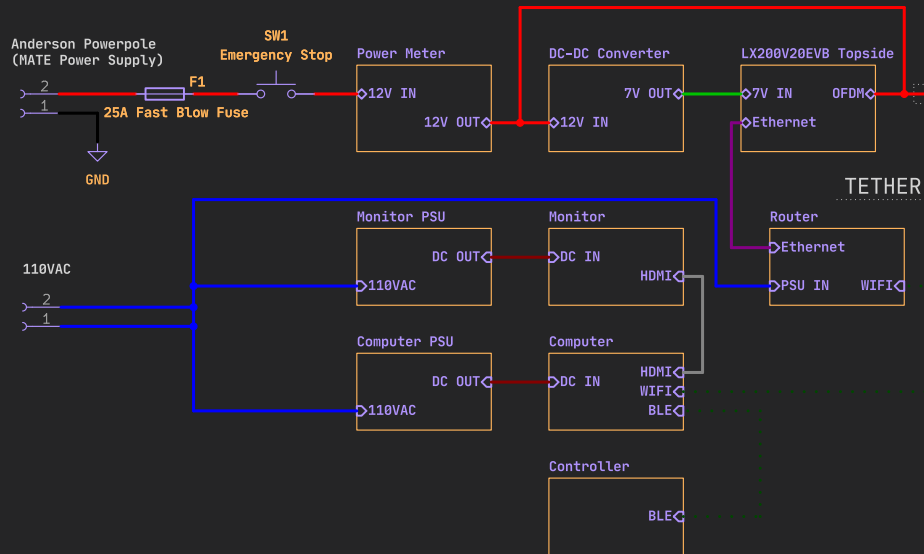


# SYSTEM INTEGRATION DIAGRAM (SID)

\* FLUID POWER IS NOT USED



## ELEC-008R Requirements

8 thrusters	2.5A each = 20A
3 cameras	0.2A each = 0.6A
8 ESCs	0.05A each = 0.4A
1 ethernet switch	0.1A = 0.1A
1 control board	0.2A = 0.2A
4 servos	0.8A each = 3.2A
2 PLC modules	0.1A each = 0.2A

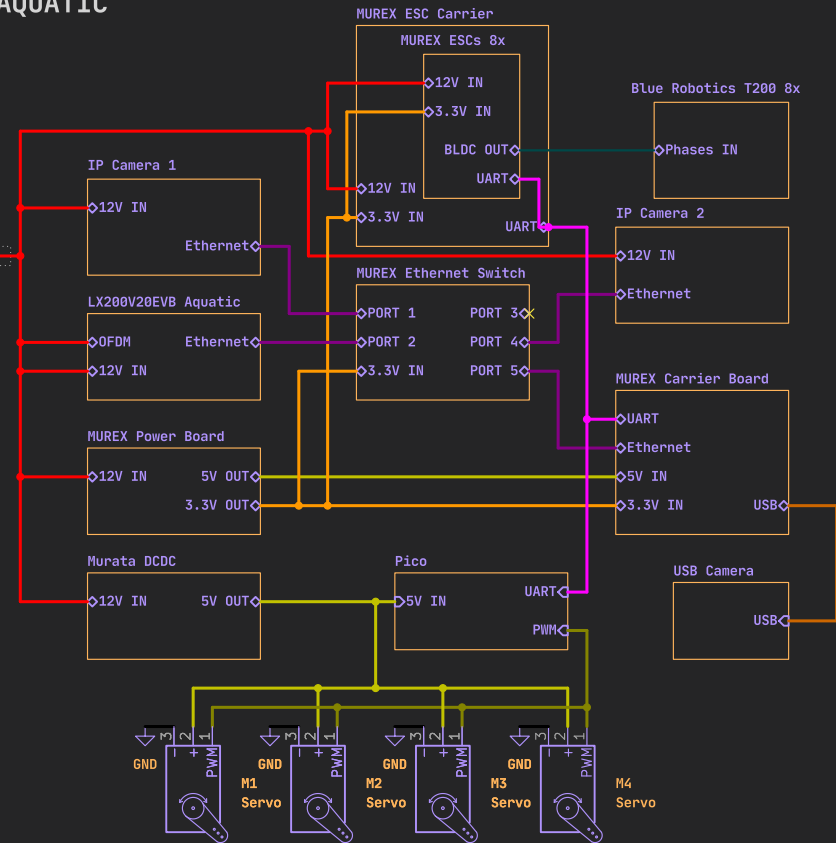
Total Amps 24.7A \* 150% = 37.1A

Fuse Selected: 25A ATO

## SID Legend

110VAC	USB
PSUs DC	5VDC
12VDC	GND
Ethernet	UART (MASCP)
3.3VDC	BLDC Phases
PWM	Wireless
	7VDC

## AQUATIC



MUREX ROV V3  
SYSTEM INTEGRATION DIAGRAM (SID)

MUREX ROBOTICS

Sheet: /  
File: SID.kicad\_sch

Title: System Integration Diagram

Size: A4 Date: 2024-05-11  
KiCad E.D.A. 8.99.0-166-g4602a27eb8

Rev: V3  
Id: 1/22













































