

MUREX FLOAT SID

SID Legend

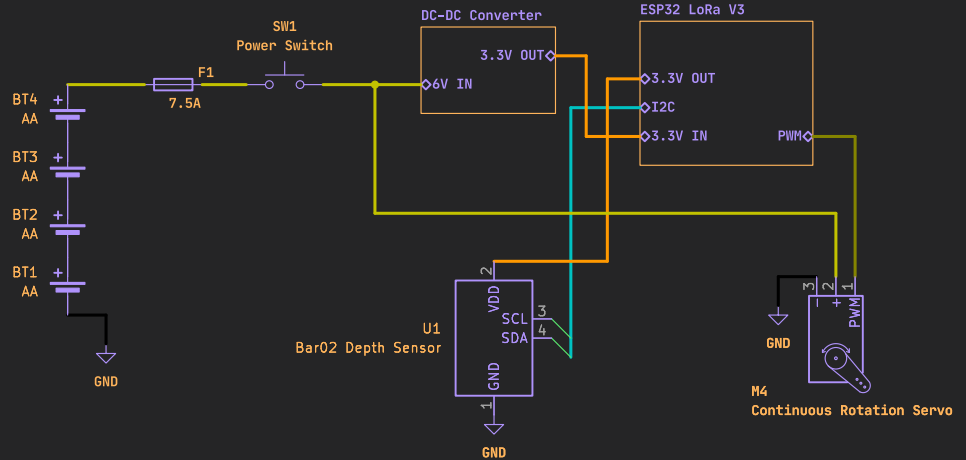
3.3VDC	6VDC
PWM	GND
I2C	

ELEC-008R Requirements

CR Servo	4A = 4A
DC-DC Parasitic Power	0.3A = 0.3A
ESP32 LoRa V3	0.5A = 0.5A

Total Amps $4.8A * 150\% = 7.2A$

Fuse Selected: **7.5A ATO**



MUREX ROV V3
FLOAT SID

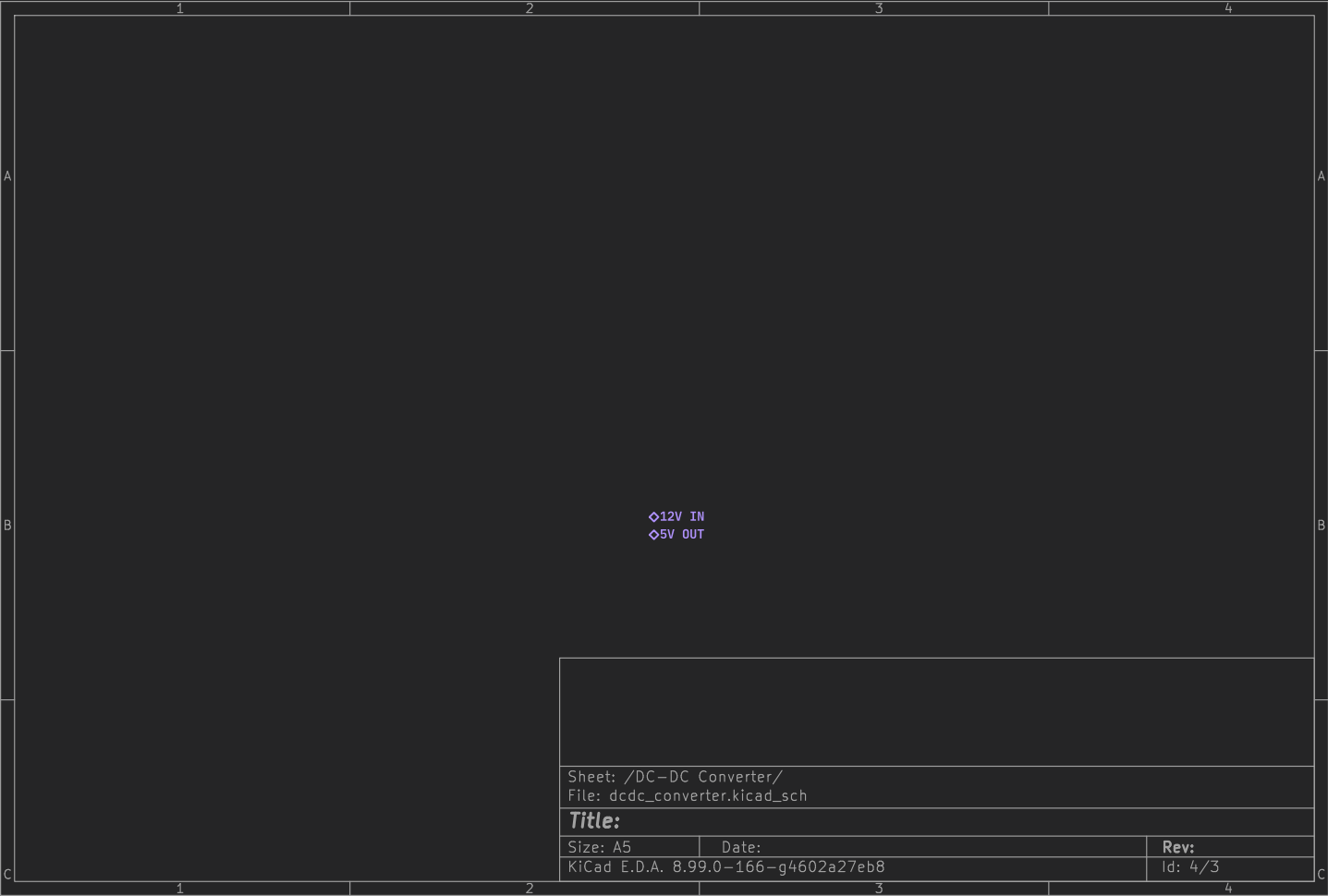
MUREX ROBOTICS

Sheet: /
File: float_sid.kicad_sch

Title: MUREX FLOAT SID

Size: A5 Date: 2024-04-24
KiCad E.D.A. 8.99.0-166-g4602a27eb8

Rev: V1
Id: 1/3



A

A

B

B

C

C

1

2

3

4

1

2

3

4

12V IN
5V OUT

Sheet: /DC-DC Converter/ File: dcdc_converter.kicad_sch		
Title:		
Size: A5	Date:	Rev:
KiCad E.D.A. 8.99.0-166-g4602a27eb8		Id: 4/3

- ◇Ethernet
- ◇5V IN ◇3.3V IN
- ◇PWM
- ◇UART
- ◇USB

Sheet: /ESP32 LoRa V3/
File: carrier_board.kicad_sch

Title:

Size: A5	Date:
KiCad E.D.A. 8.99.0-166-g4602a27eb8	

Rev:
Id: 10/3