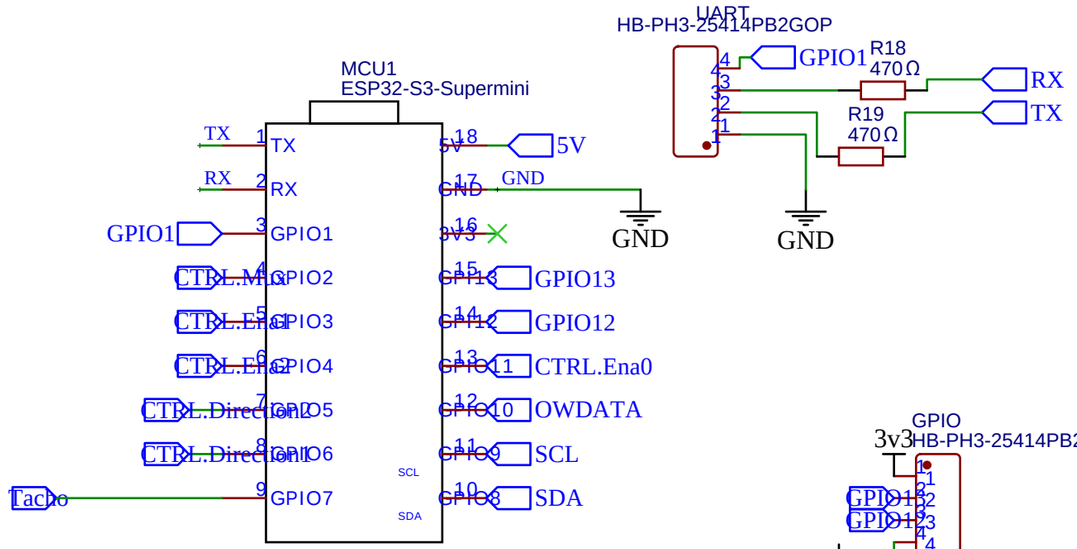
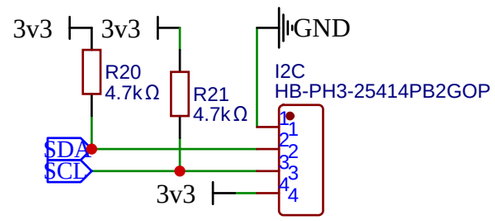
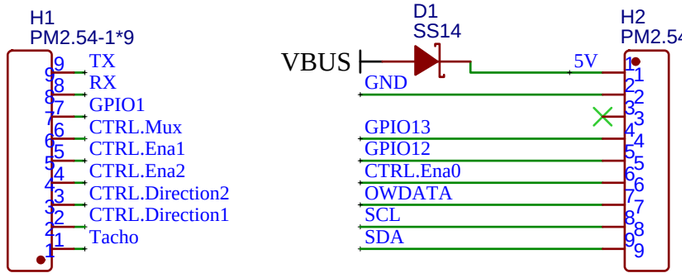


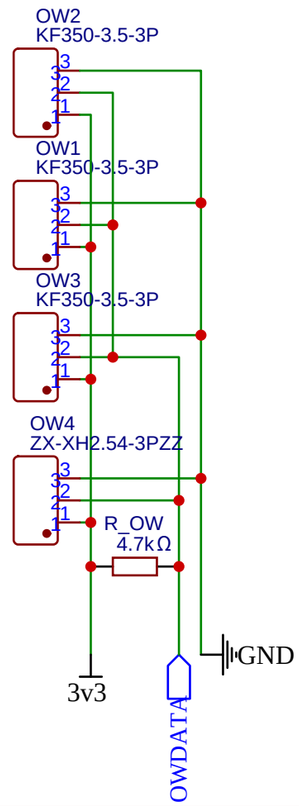
I2C DISPLAY



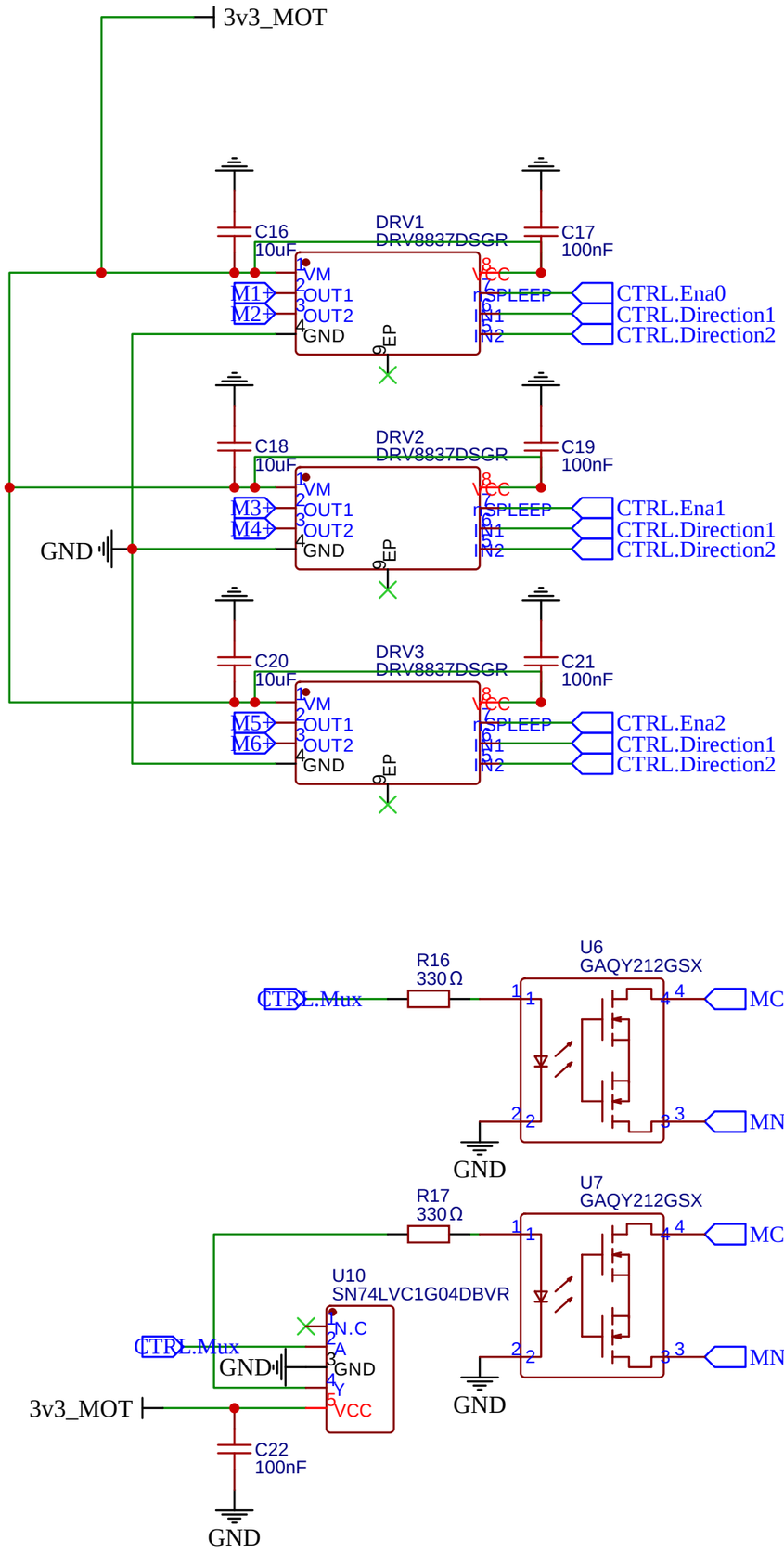
ESP32 Headers

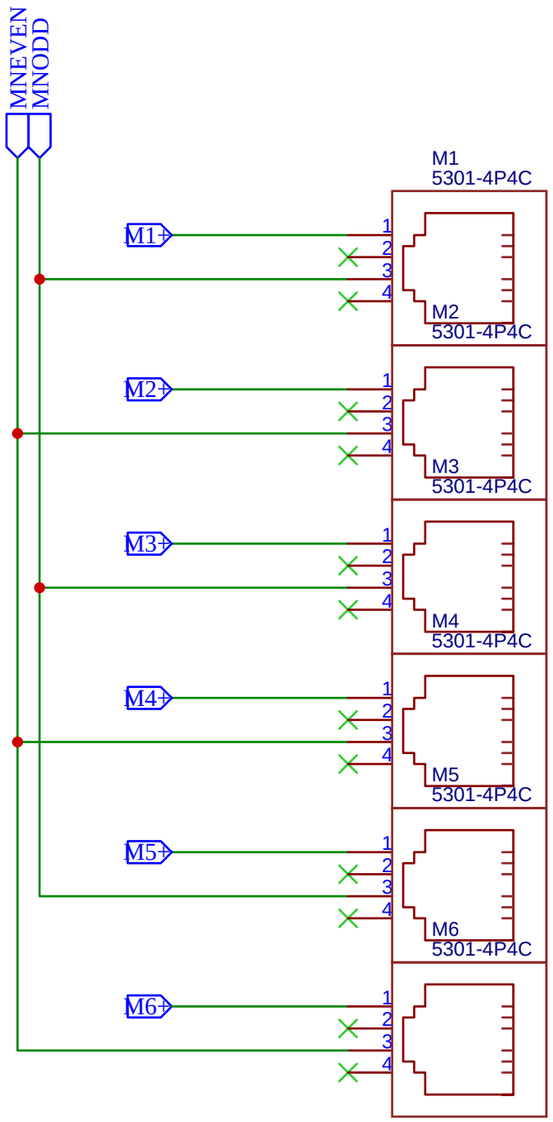


1-wire MASTER



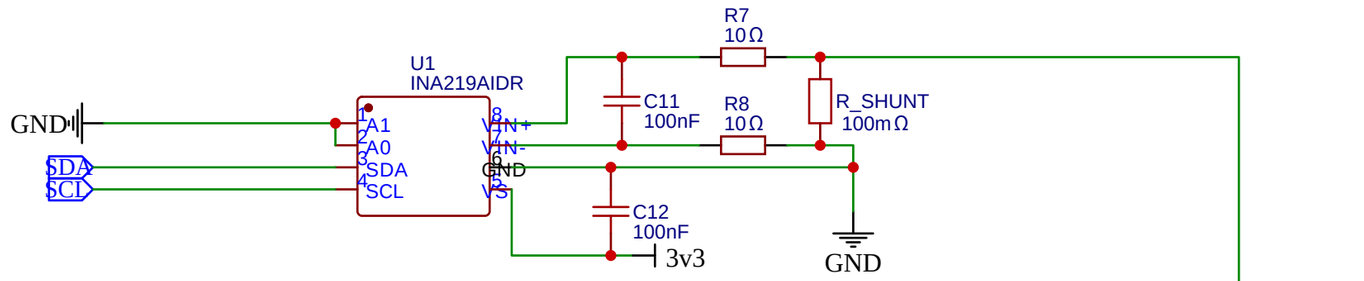
TITLE: Controller		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2024-08-04 Drawn By: juliannielsen	



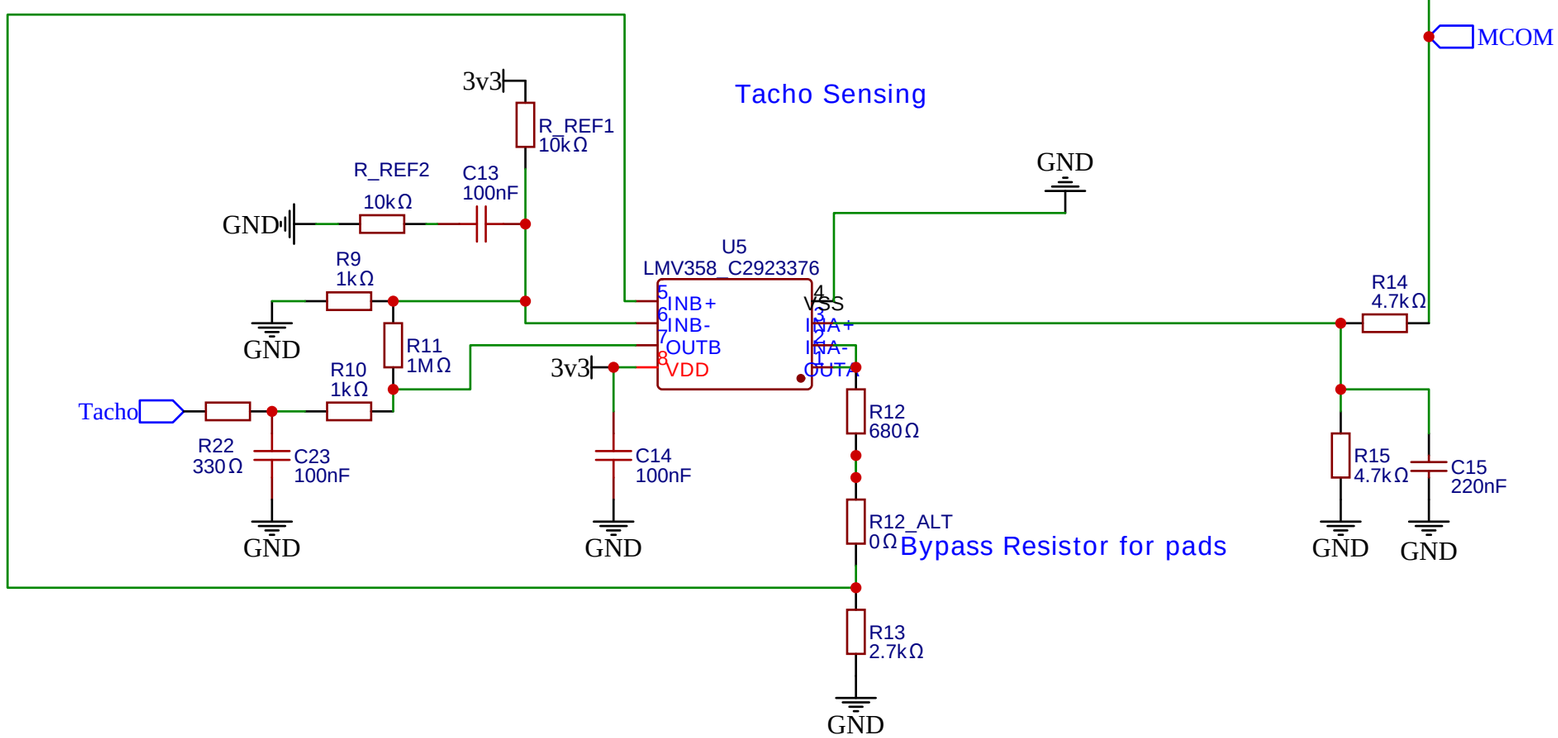


TITLE: Power		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2024-08-04 Drawn By: juliannielsen	

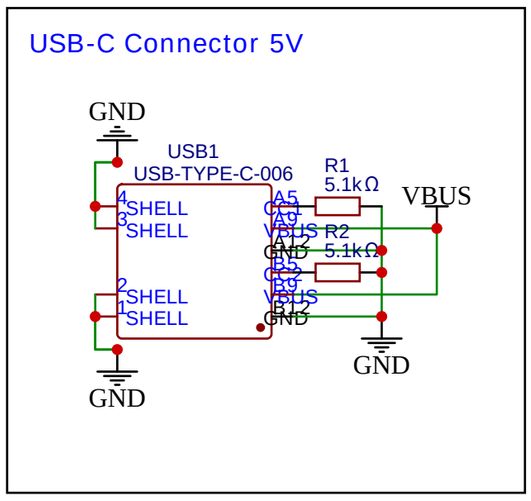
Current Sensing

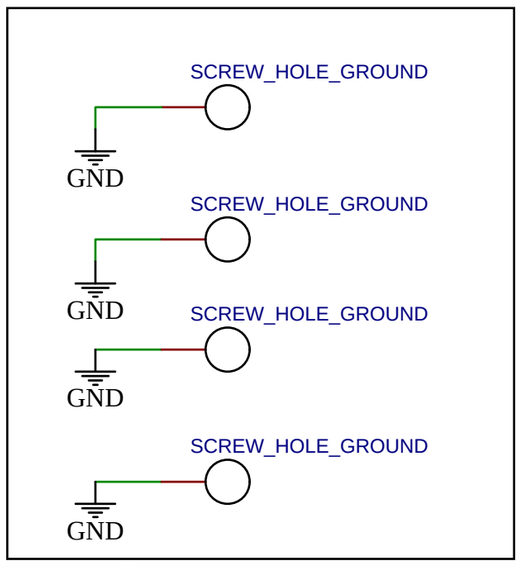


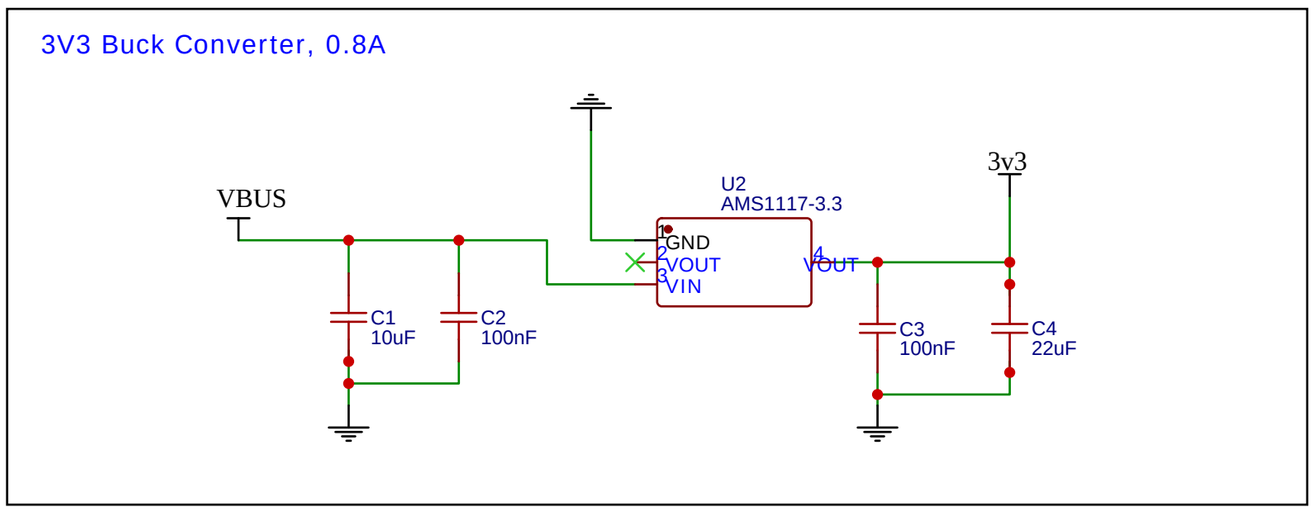
Tacho Sensing

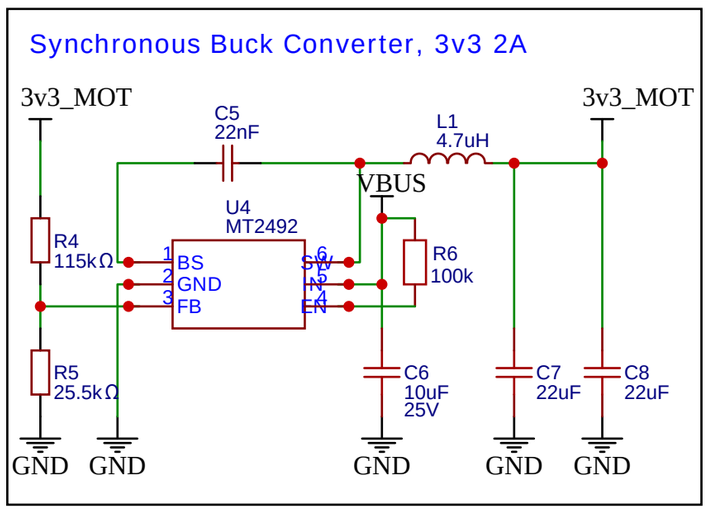


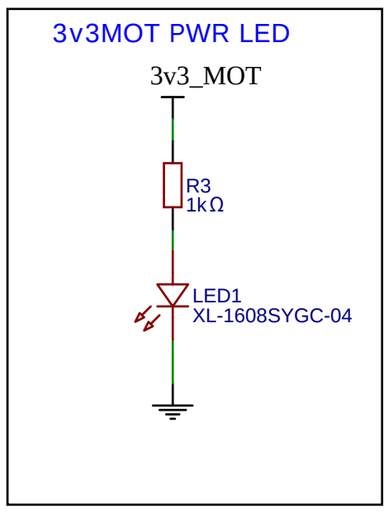
TITLE: Analog		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2024-08-04 Drawn By: juliannielsen	

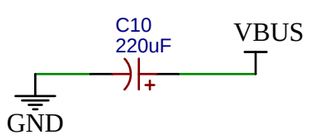












BULK Capacitor:
- Capacitor 1 (220 µF, 6.3V): Near the power input of the PCB.
- Capacitor 2 Optional (100 µF, 6.3V): Near the 3v3_MOT

Decoupling Capacitors (e.g., 0.1 µF and 1 µF):
Place the 0.1 µF capacitor closest to the VCC pin, followed by the 1 µF capacitor if space allows.
The 0.1 µF capacitor is better at handling high-frequency noise,
so it benefits from the shortest possible connection.

TITLE: Sheet_1		REV: 1.0
EasyEDA	Company: Your Company	Sheet: 1/1
	Date: 2024-07-30 Drawn By: juliannielsen	

Parameter	Value
Input Voltage	4.5V - 16V
Output Voltage	Selectable via Resistors R1 and R2: V = 0.6 * (R1 / R2 + 1)
Output Current	max 2A

Output Voltage	R1	R2
12.2V	91kΩ	4.7kΩ
12V	82kΩ	4.3kΩ
9.2V	43kΩ	3kΩ
9V	140kΩ	10kΩ
6.2V	140kΩ	15kΩ
6V	102kΩ	11.3kΩ
5.3V	100kΩ	13kΩ
5.2V	115kΩ	15kΩ
5.1V	75kΩ	10kΩ
5V	110kΩ	15kΩ
3.5V	107kΩ	22.1kΩ
3.4V	56kΩ	12kΩ
3.3V	115kΩ	25.5kΩ