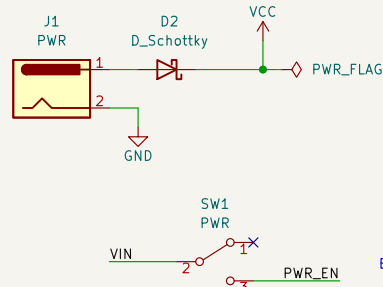


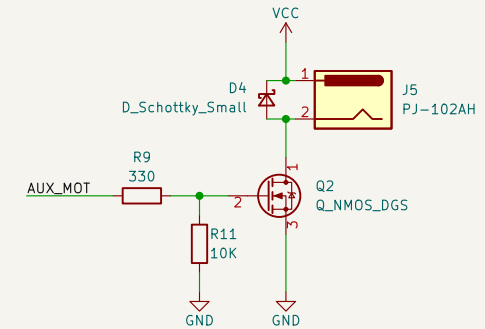
## Aux. Power / Power Switch



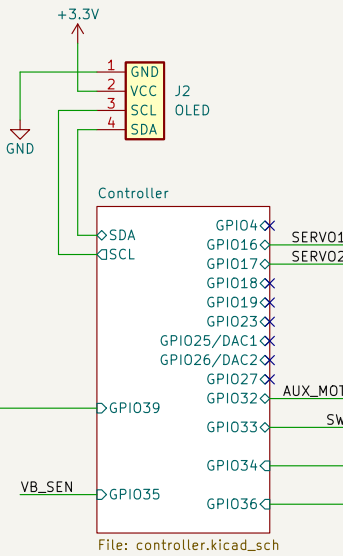
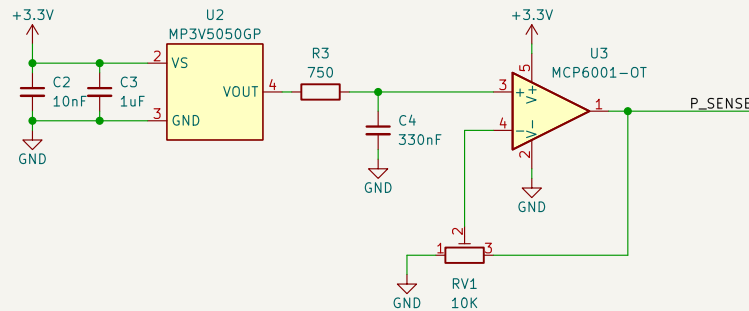
## Mounting Holes



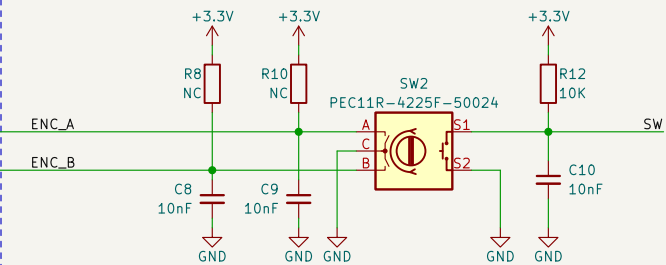
## Aux. Motor Driver



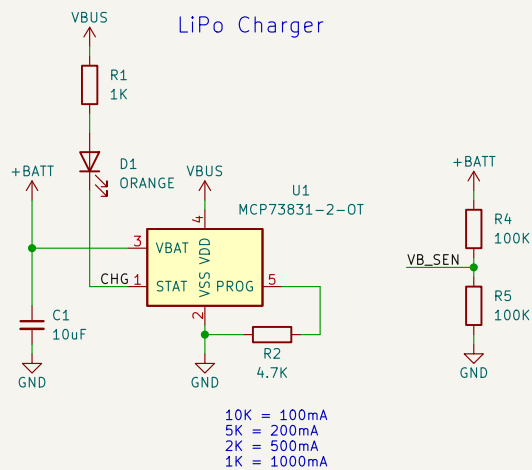
## Pressure Sensor



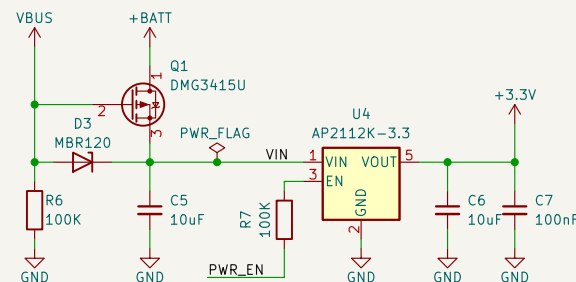
## Rotary Encoder



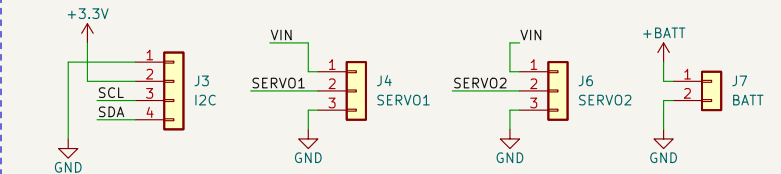
## LiPo Charger



## Power Supply



## Connectors



TODOs:  
- Add alt power reg for aux power jack (NCP1117-5.0 or 3.3 ?)

A battery powered nogasm inspired board with support for bluetooth toys.

Includes optional auxiliary motor driver (like the original nogasm)  
Support for Heartrate/SpO2 sensing with MAX30102 + dual servo output

Sheet: /  
File: Blugasm.kicad\_sch

**Title: Blugasm**

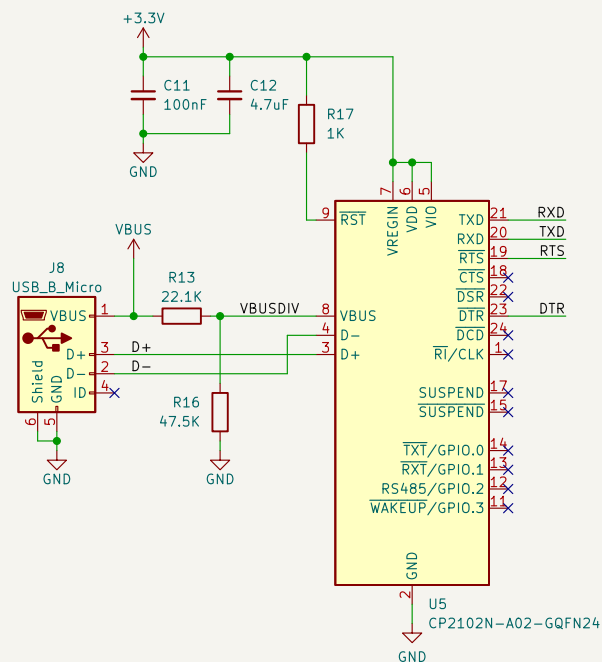
Size: A4 Date: 2022-01-31

KiCad E.D.A. kicad (6.0.1)

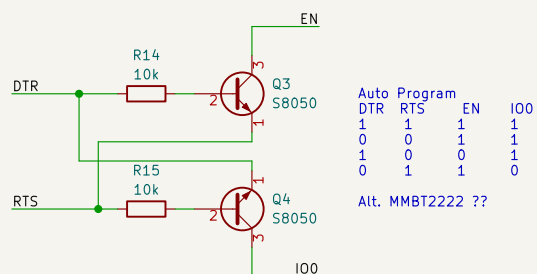
**Rev: 1**

Id: 1/2

## USB to UART



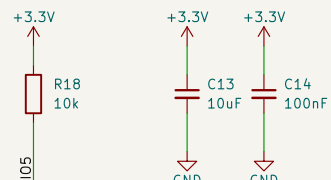
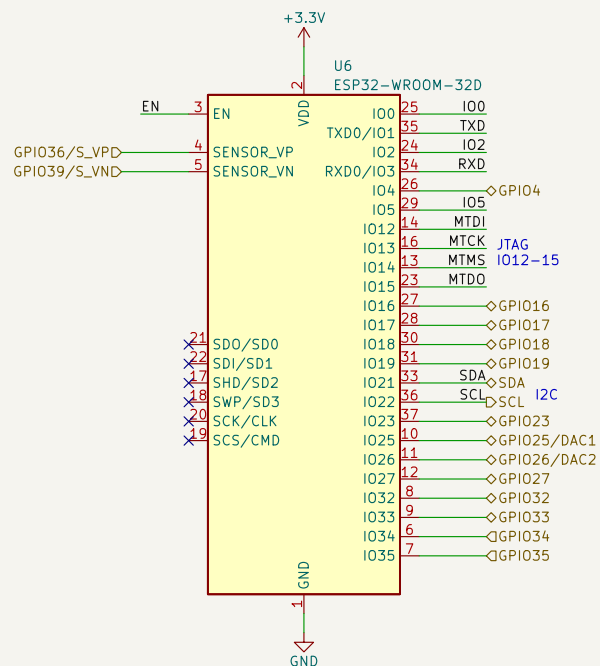
## Auto Reset



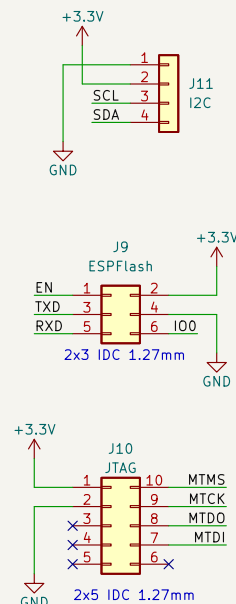
## ESP32

Boot Strapping Pins: IO 0,2,5,12,15

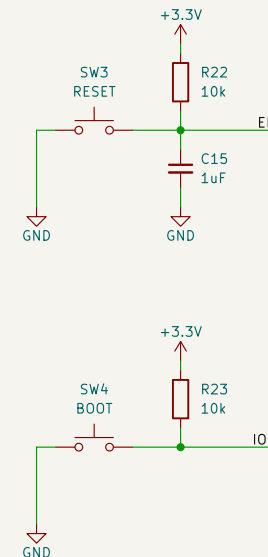
```
LED: I02
I2C: I0 21, 22
JTAG: I012-15
```



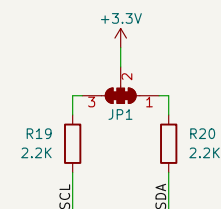
## Connectors



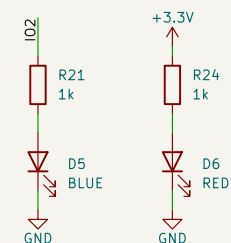
## Buttons



## I2C Pull-Up



Status / Pulldown



Sheet: /Controller/  
File: controller.kicad\_sch

Title: Blugasm: Controller

Size: A4	Date: 2022-01-31
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Size: A1	Date: 20
KiCad E.D.A.	kicad (6.0.1)

Rev: 1

Id: 2/2