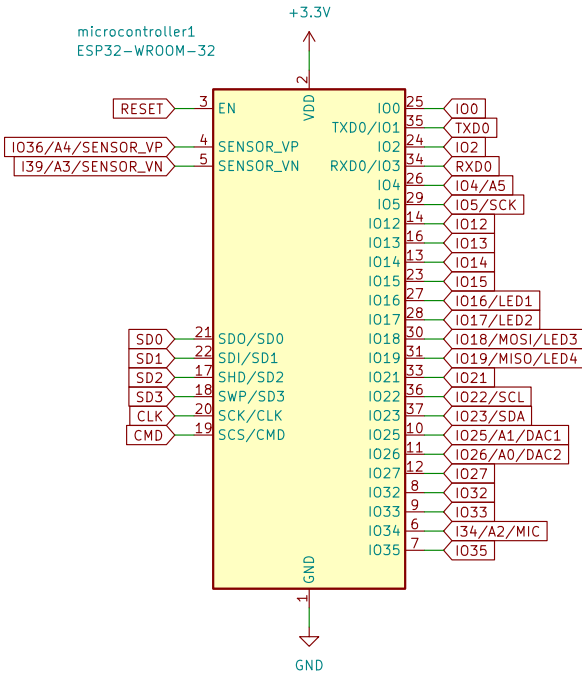
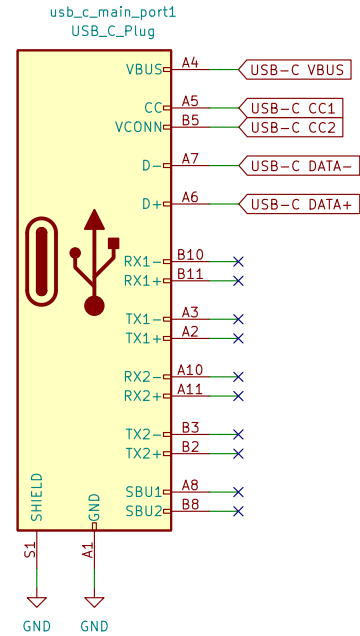


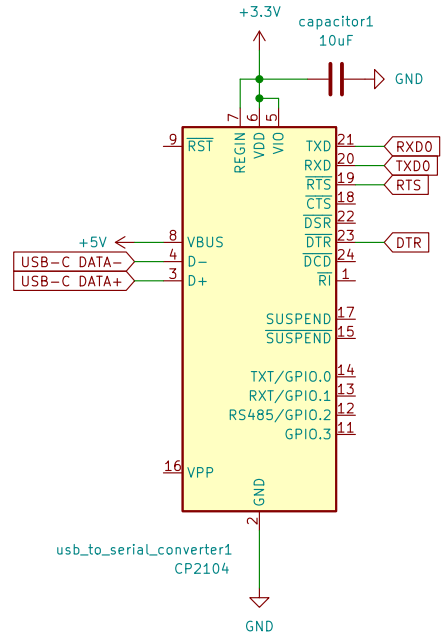
ESP32



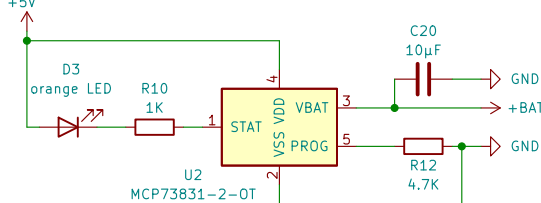
USB-C port



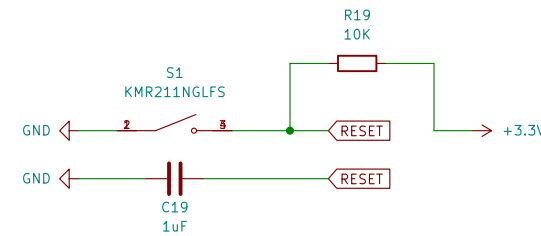
USB to serial



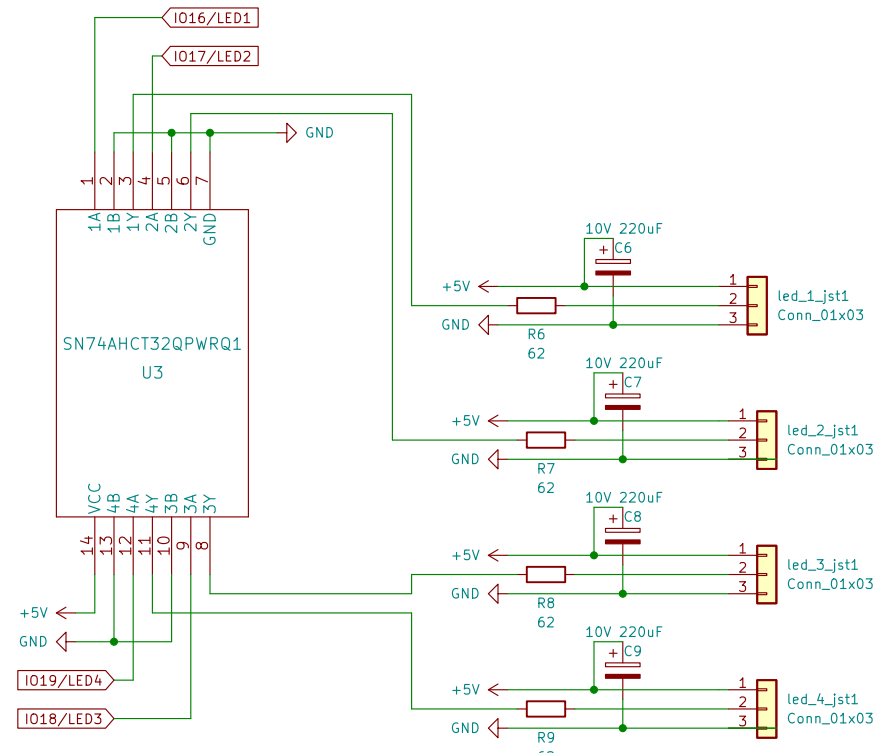
Lipo charging



Reset



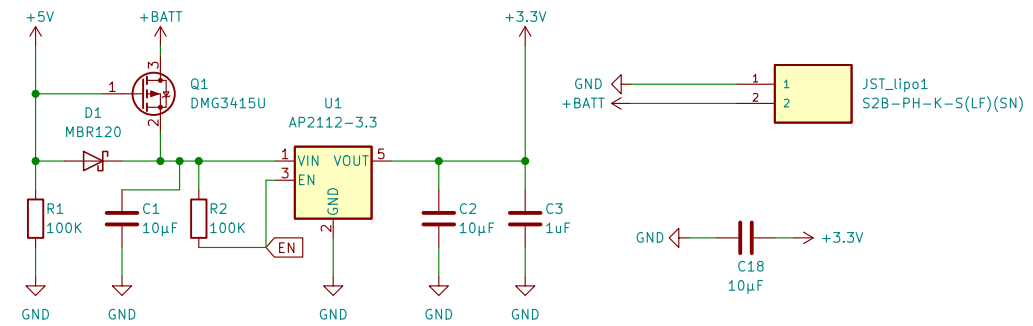
LED strip connectors



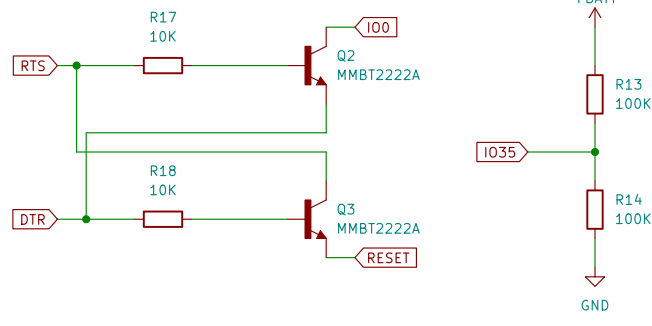
To Do:  
- Decide if capacitor at input or output or both

Power & filtering

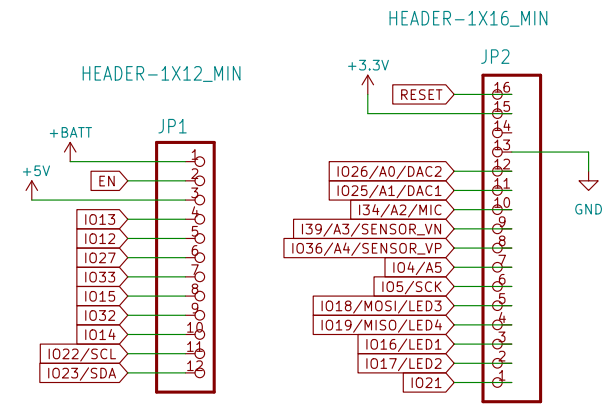
To Do:  
- get 5V from battery (step up)  
- add power switch



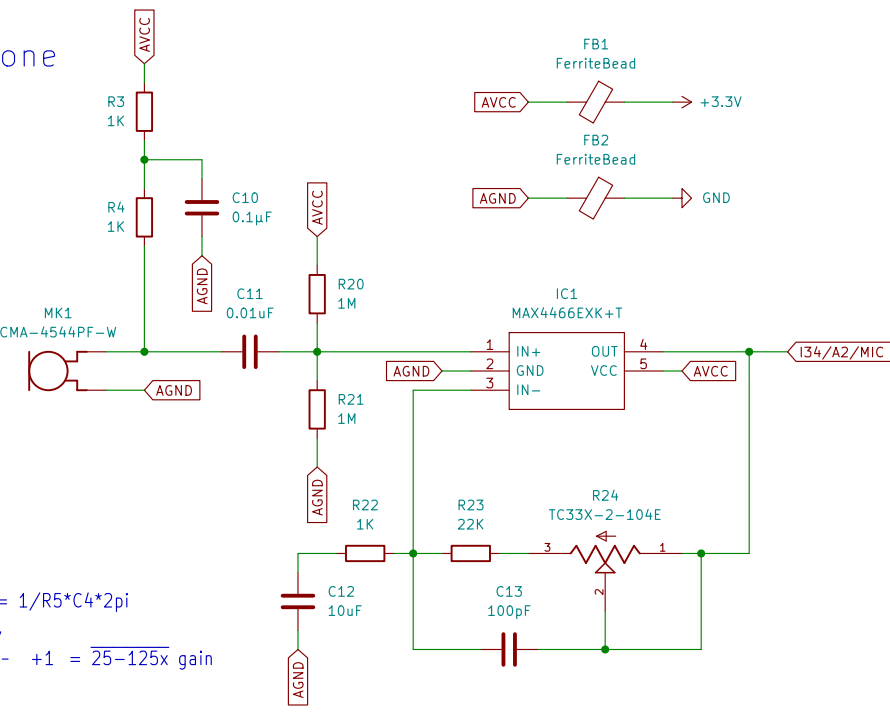
Autoreset



Pins

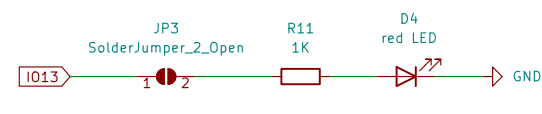


Microphone



Low pass F3db =  $1/R5 \cdot C4 \cdot 2\pi$   
Gain =  $\frac{VR1+R7}{R5} + 1 = 25-125 \times$  gain

LED



Mounting holes



Based on  
Adafruit HUZZAH32 ESP32 Feather Board  
+ Adafruit MAX4466

designed by glowingkitty

Sheet: /  
File: GlowCore.kicad\_sch

**Title: GlowCore**

Size: A3	Date:	Rev:
KiCad E.D.A. kicad (6.0.0-0)		Id: 1/1