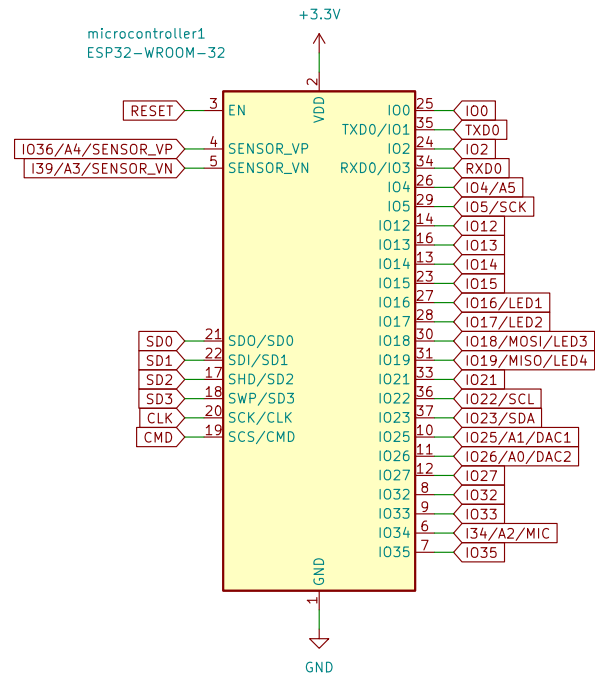
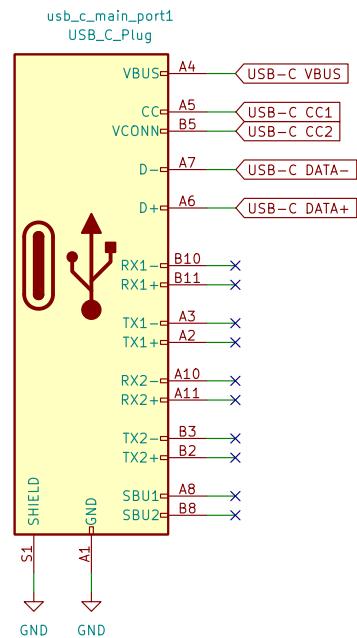


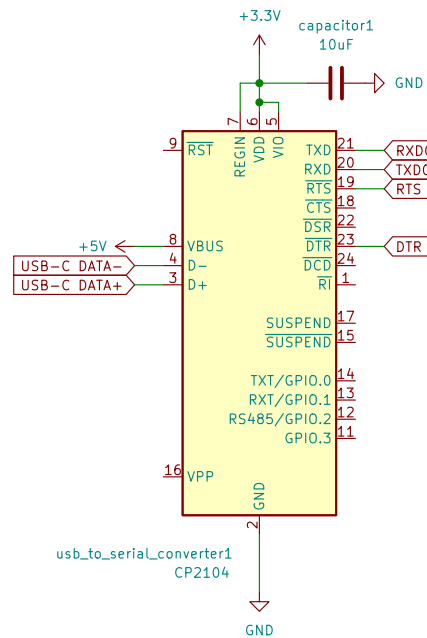
ESP32



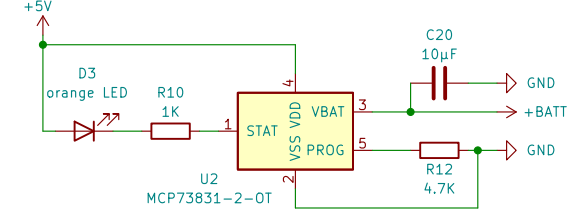
USB-C port



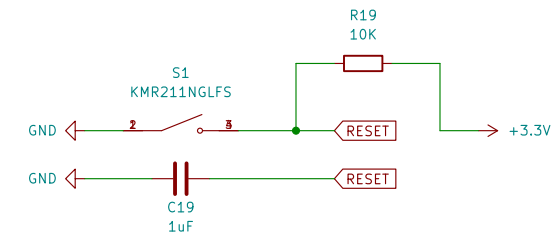
USB to serial



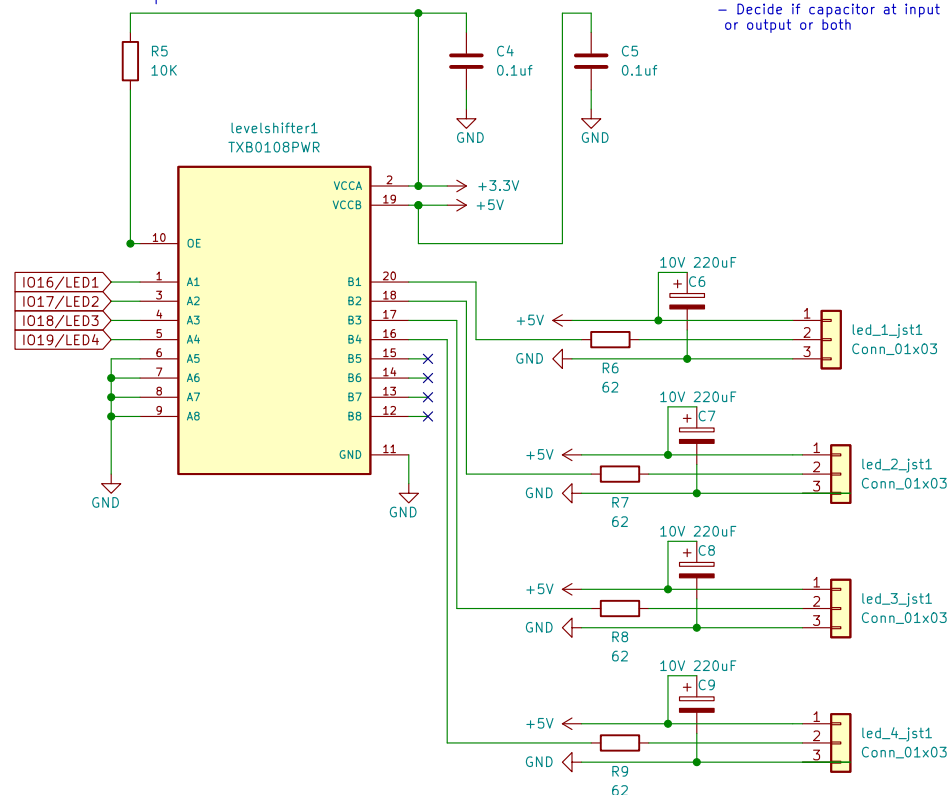
Lipo charging



Reset



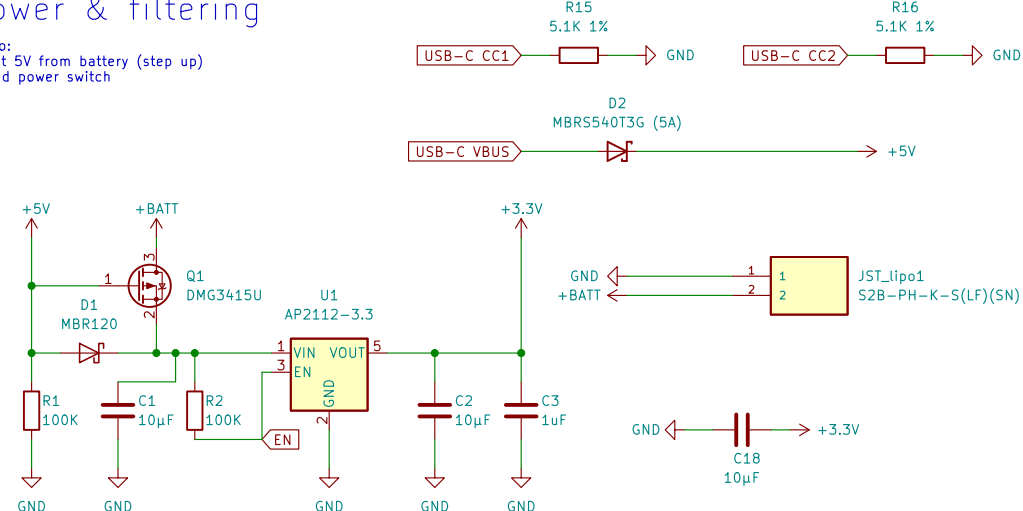
LED strip connectors



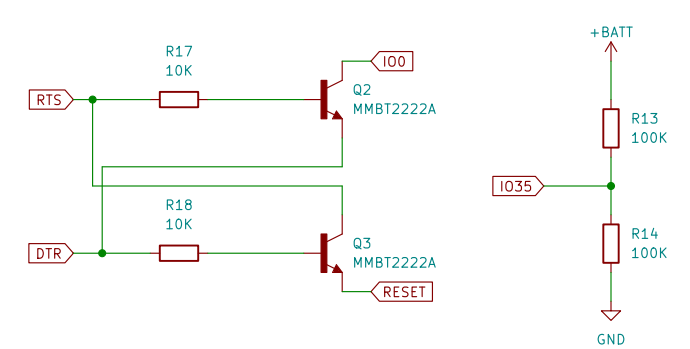
To Do:
- Decide if capacitor at input or output or both

Power & filtering

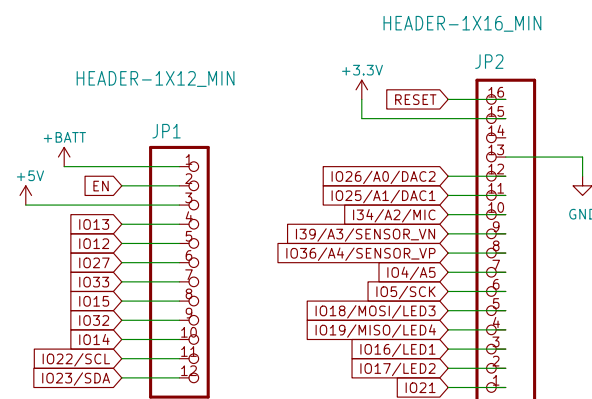
To Do:
- get 5V from battery (step up)
- add power switch



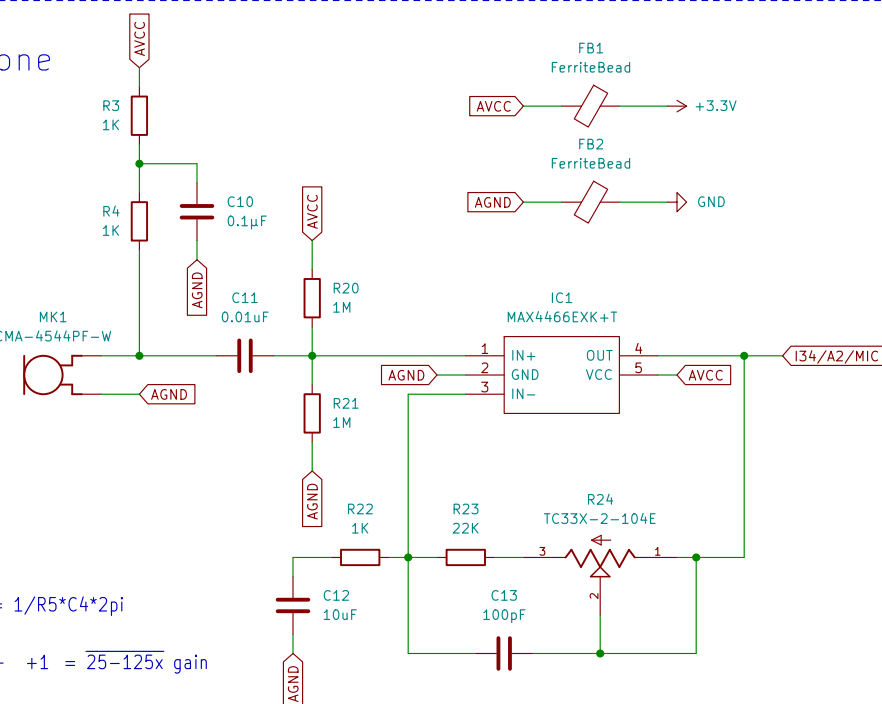
Autoreset



Pins



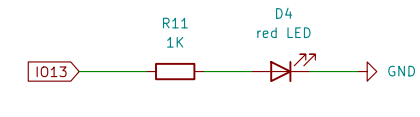
Microphone



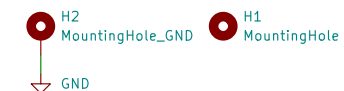
Low pass F3db = $1/R5 \cdot C4 \cdot 2\pi$
Gain = $\frac{VR1+R7}{R5} + 1 = 25-125x$ gain

LED

To Do:
- make status LED only blink if two solder pads are bridged



Mounting holes



Based on
Adafruit HUZZAH32 ESP32 Feather Board
+ Adafruit MAX4466

designed by glowingkitty

Sheet: /
File: GlowCore.kicad_sch

Title: GlowCore

Size: A3 Date:
KiCad E.D.A. kicad (6.0.0-0)



Rev:
Id: 1/1