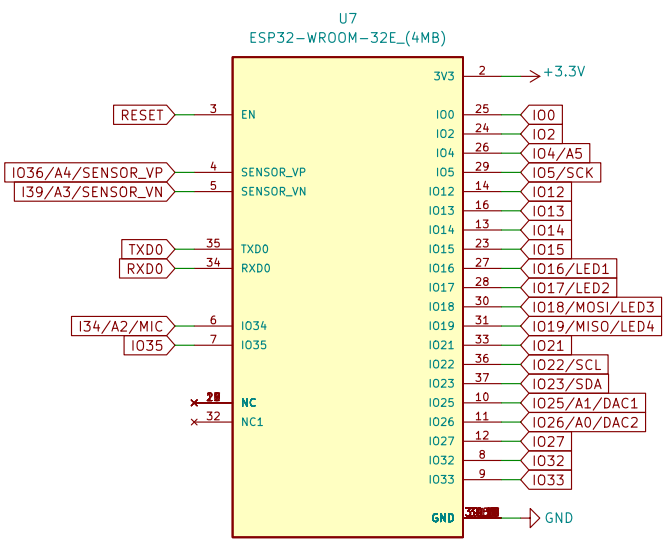
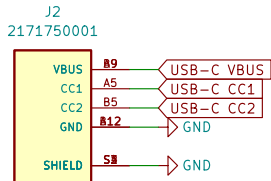


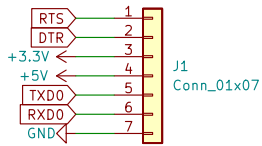
ESP32



USB-C port

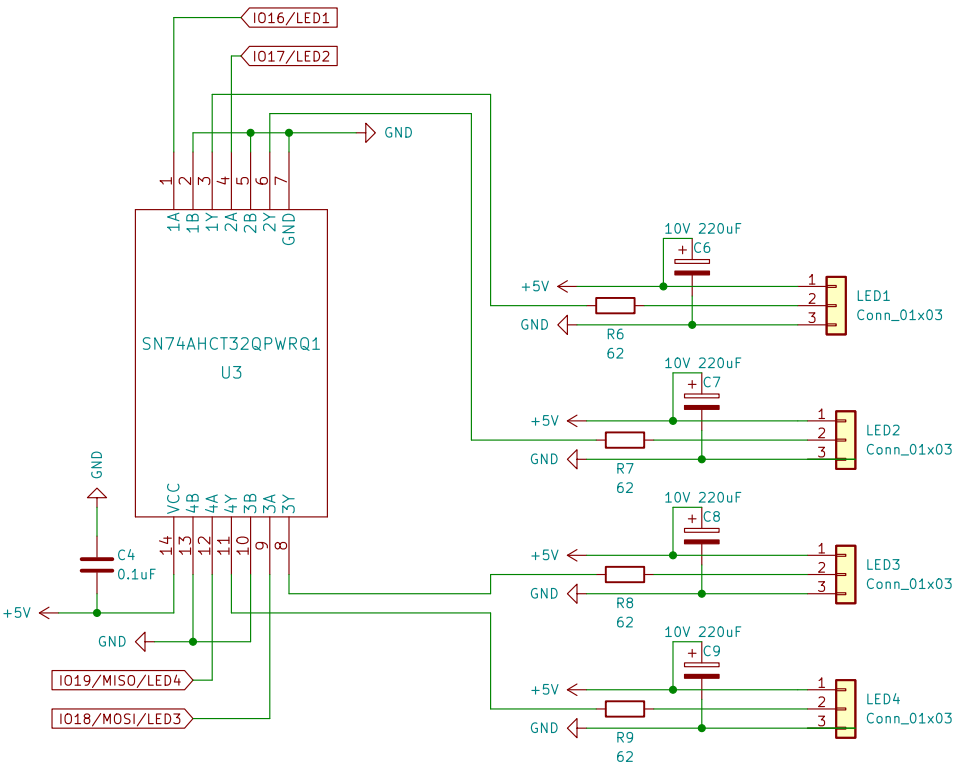


Serial connector

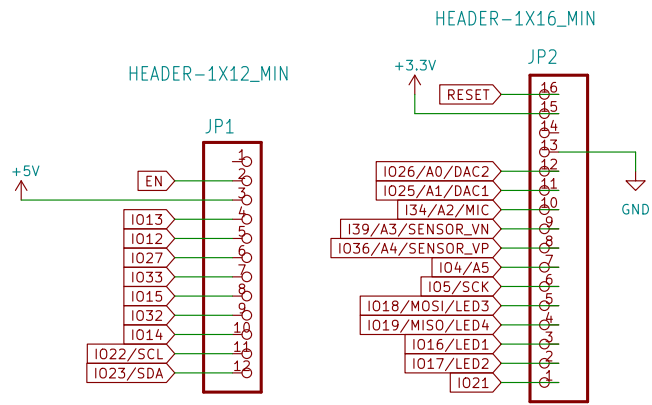


For uploading firmware via external board with CP2104 chip.

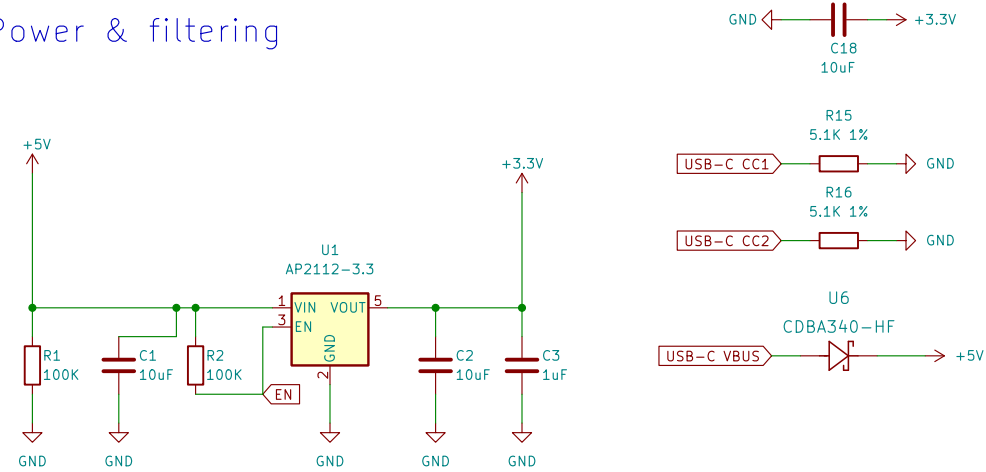
LED strip connectors



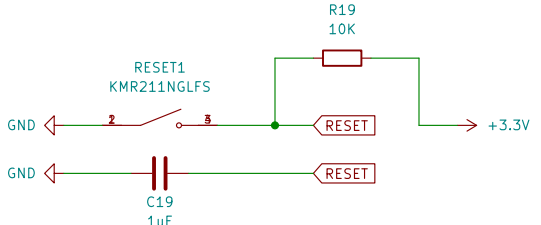
Pins



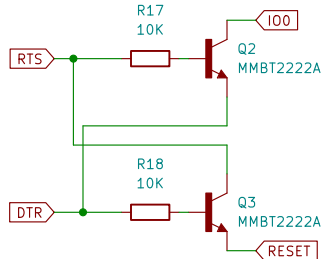
Power & filtering



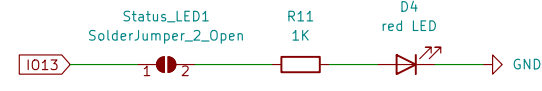
Reset



Autoreset



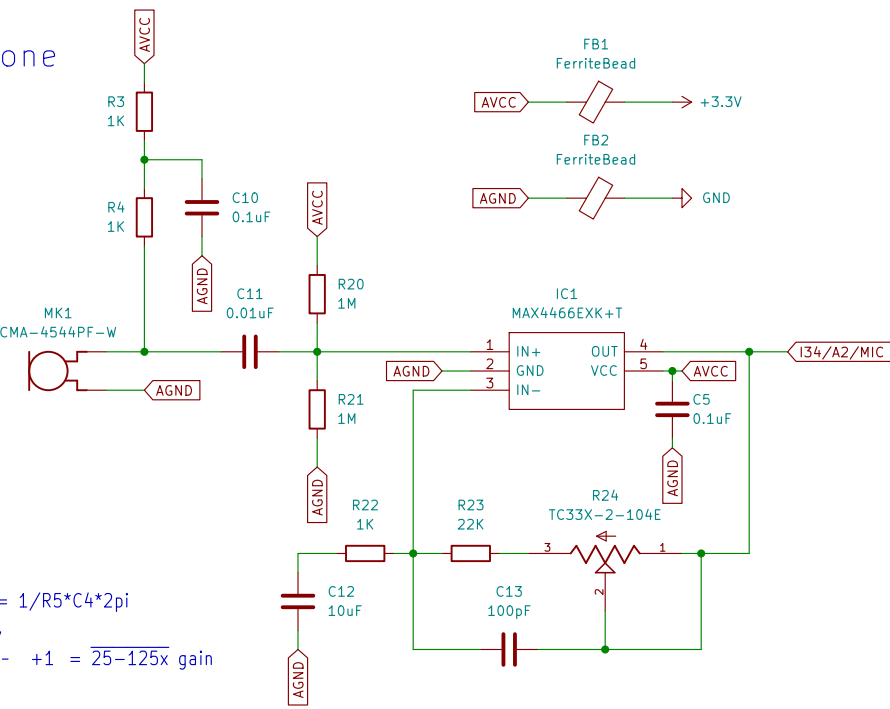
LED



Mounting holes



Microphone



Low pass F3db = $1/R5 \cdot C4 \cdot 2\pi$

Gain = $\frac{VR1+R7}{R5} + 1 = 25-125 \times$ gain