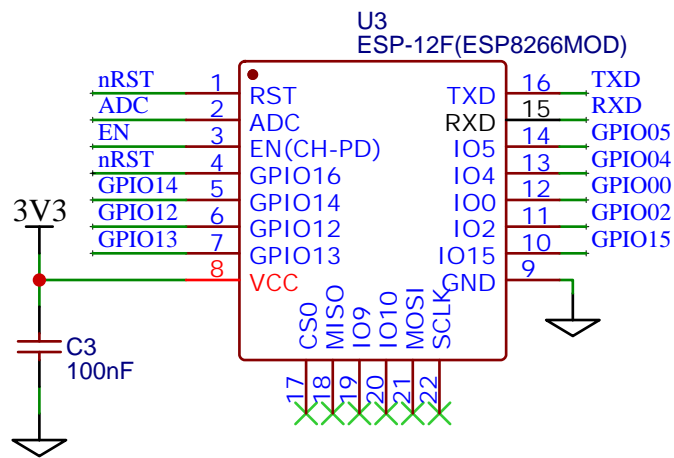
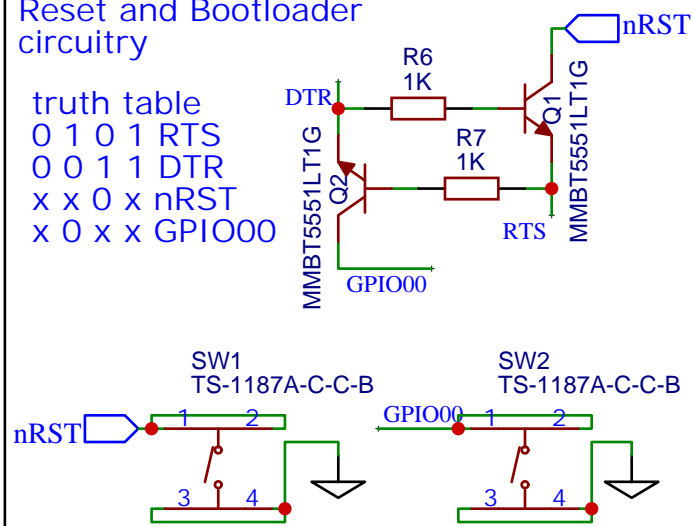


## ESP-12e Core

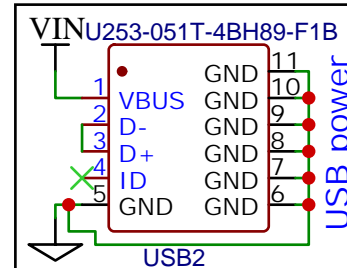
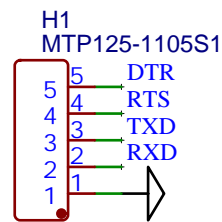


## Reset and Bootloader circuitry

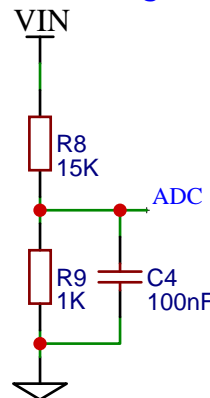
truth table  
 0 1 0 1 RTS  
 0 0 1 1 DTR  
 x x 0 x nRST  
 x 0 x x GPIO00



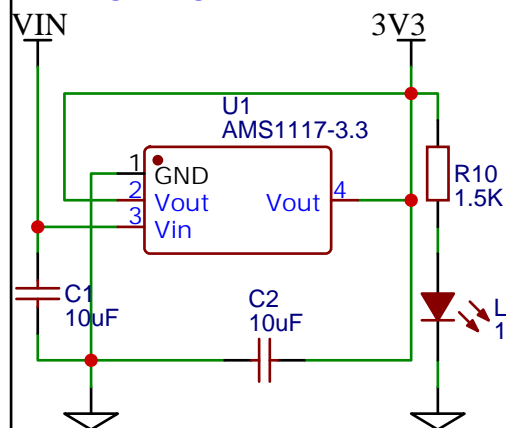
## Programming Header



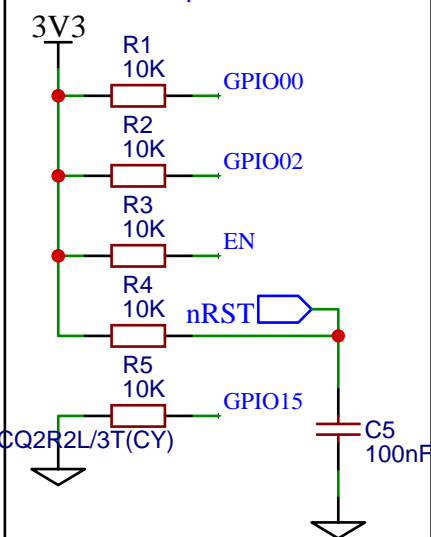
## Battery voltage monitoring



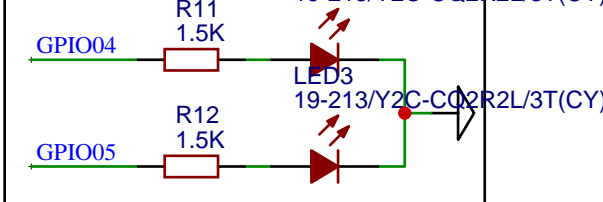
## Voltage regulation



## Basic ESP pull resistors



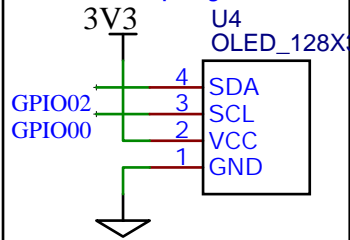
## Status LEDs



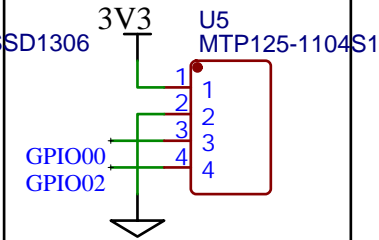
## GPIOs



## OLED display



## Environment Sensor



## activate UART debug messages

