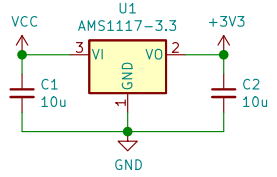
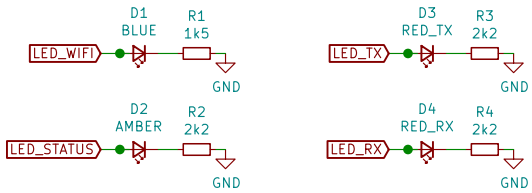
Input voltage regulator

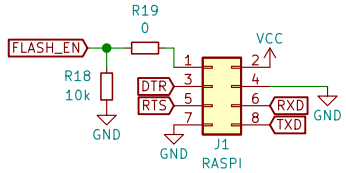



Button switches

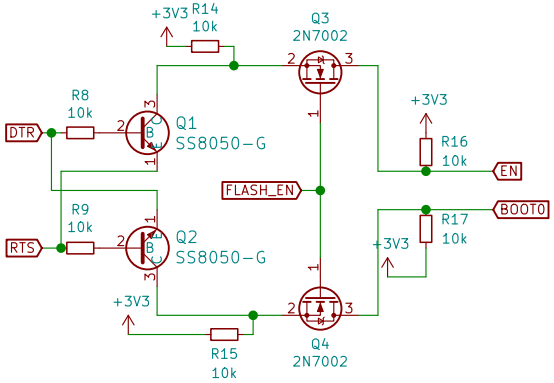

LEDs




Raspberry Pi-style connector




ESPTool flash with RS232 adapter or SBC GPIO

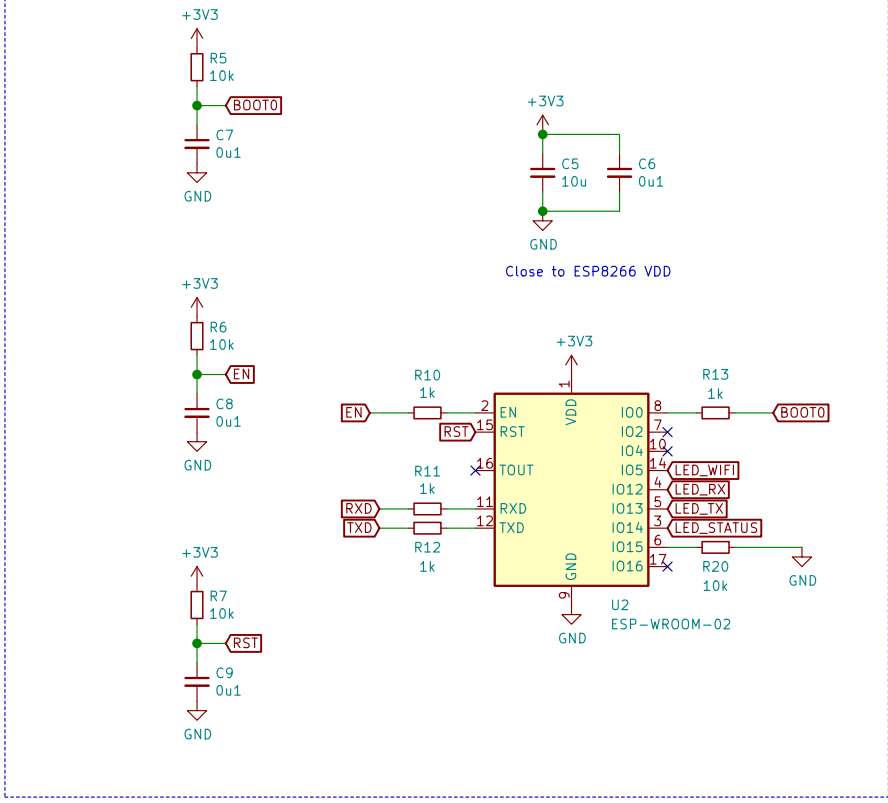



esptool.py auto program

| FLASH_EN | DTR | RTS | --> | EN | IO0 |
|---|---|---|---|---|---|
| 1 | 1 | 1 | | 1 | 1 |
| 1 | 0 | 0 | | 1 | 1 |
| 1 | 1 | 0 | | 0 | 1 |
| 1 | 0 | 1 | | 1 | 0 |
| 0 | – | – | | 1 | 1 |

FLASH_EN can be masked by removing the 0 ohm resistor marked "FLEN disable". If removed, FLASH_EN will always be low and therefore EN+IO0 will be pulled high.

ESP8266




The board is compatible with any board that uses a Raspberry Pi-compatible header pinout

**Davide Depau**

Sheet: /
File: wi-se-rpi.sch

***Title: Wi-Se ESP8266 – Raspberry Pi-style header version***

| Size: A4 | Date: 2021-03-19 | **Rev: v0.2** |
|---|---|---|
| KiCad E.D.A. kicad 5.1.9 | | Id: 1/1 |