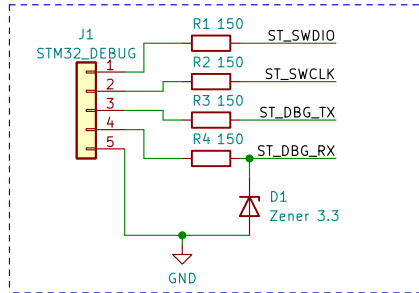


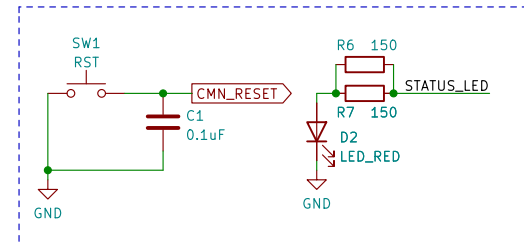
Power supply and LED strip connection

File: power_led_strips.kicad_sch

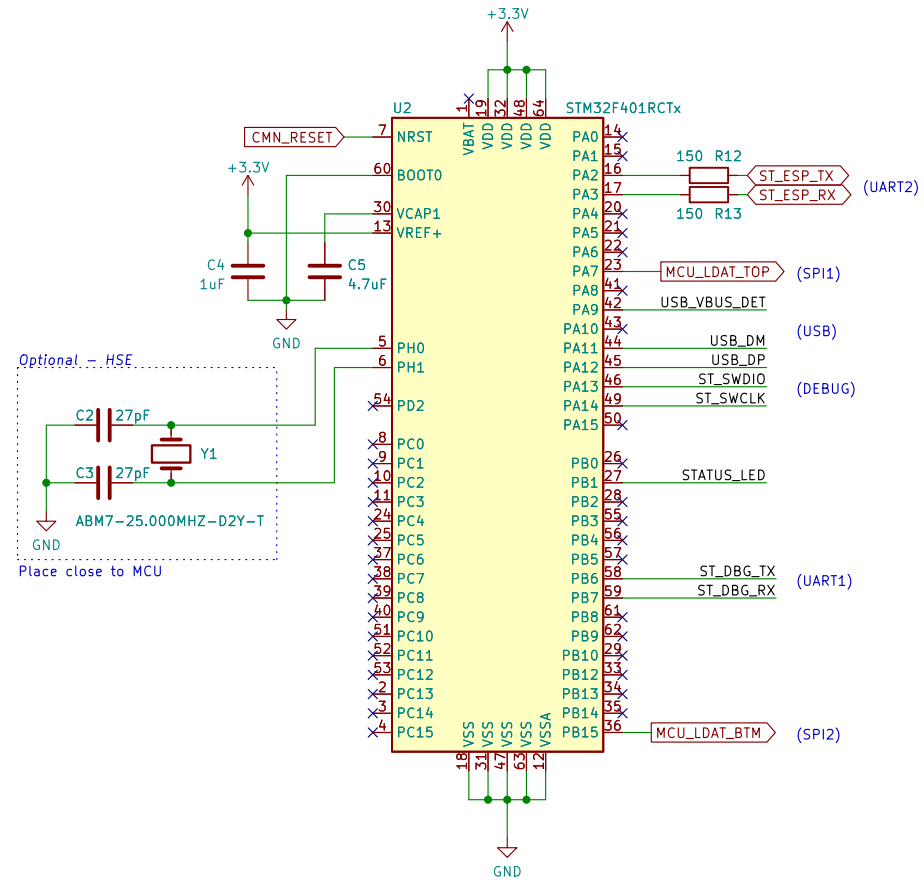
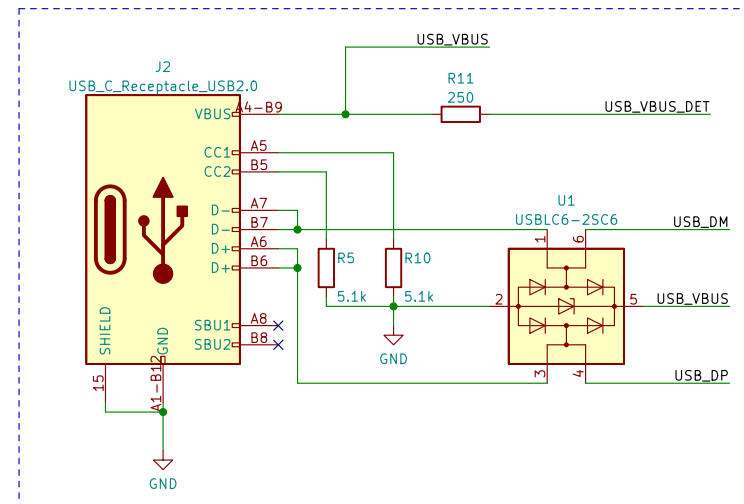
Debug port



Reset & Status LED



USB connector



STM32 and USB port

Sheet: /
File: MegaLeafPCB.kicad_sch

Title: MegaLeaf Controller

Size: A4 Date: 2022-08-24

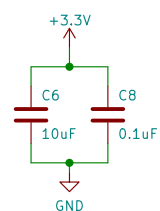
KiCad E.D.A. kicad (6.0.8)

Rev: 1.2

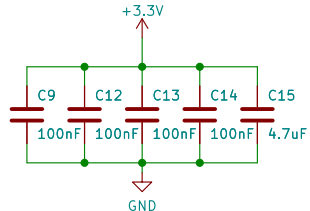
Id: 1/2

Decoupling

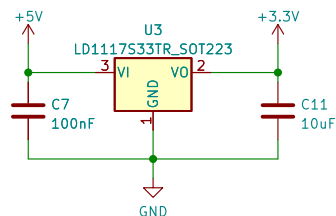
Close to ESP32



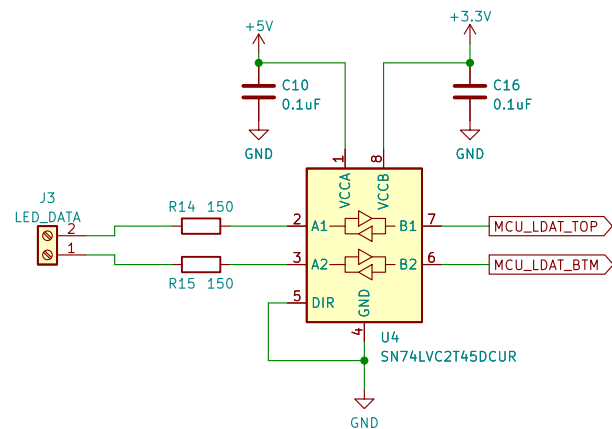
Close to STM32



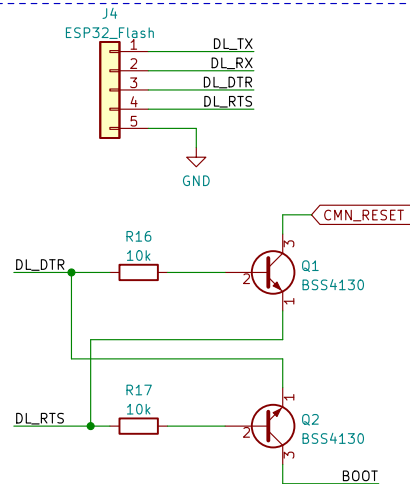
Regulator for ICs



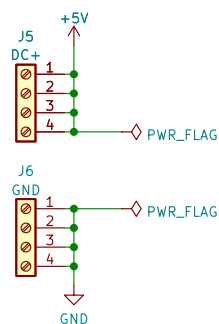
Level shifter for LEDs data lines



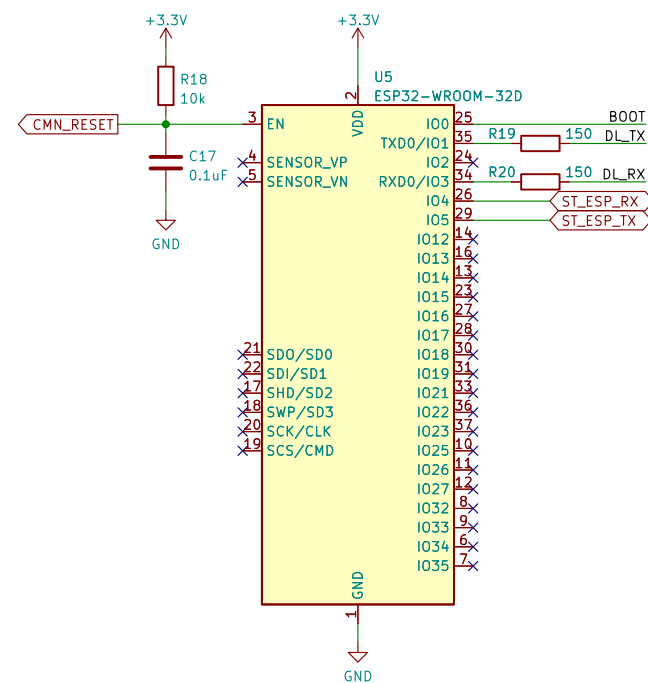
Auto Bootloader



Power connectors



ESP32 submodule



Input power, decoupling and ESP32

Note: Power connectors can carry upto 10A

Sheet: /Power supply and LED strip connection/
File: power_led_strips.kicad_sch**Title: MegaLeaf Controller**

Size: A4 Date: 2022-08-24

KiCad E.D.A. kicad (6.0.8)

Rev: 1.2

Id: 2/2