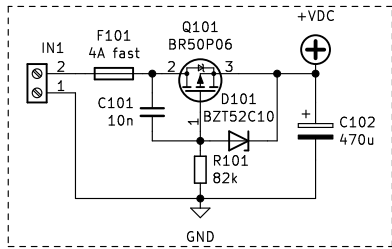
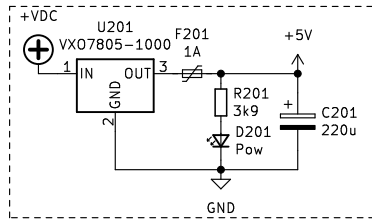


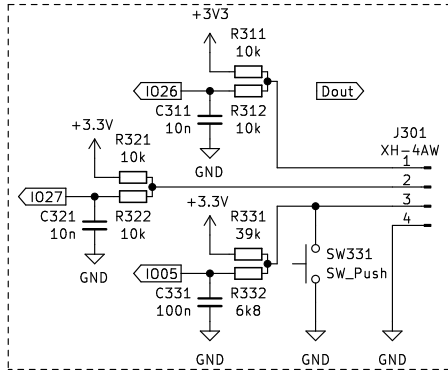
Power in, overload and reverse polarity protection



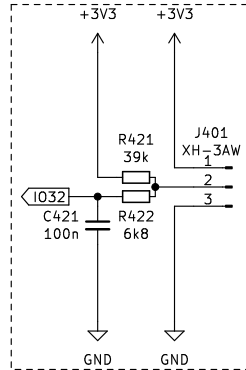
5V regulator, resettable fuse and power LED



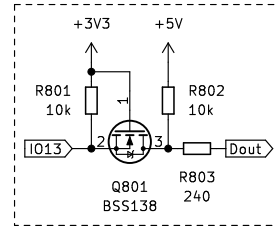
Filters for rotary encoder and switch



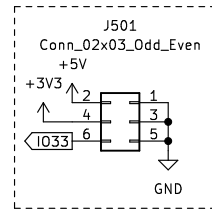
Filter for motion sensor



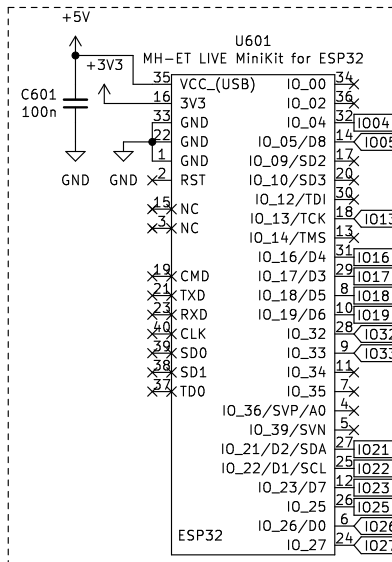
Level shifter



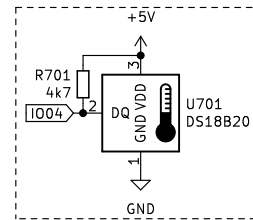
Free to use pin header
tap row GND



Micro controller unit (ESP32 MiniKit)



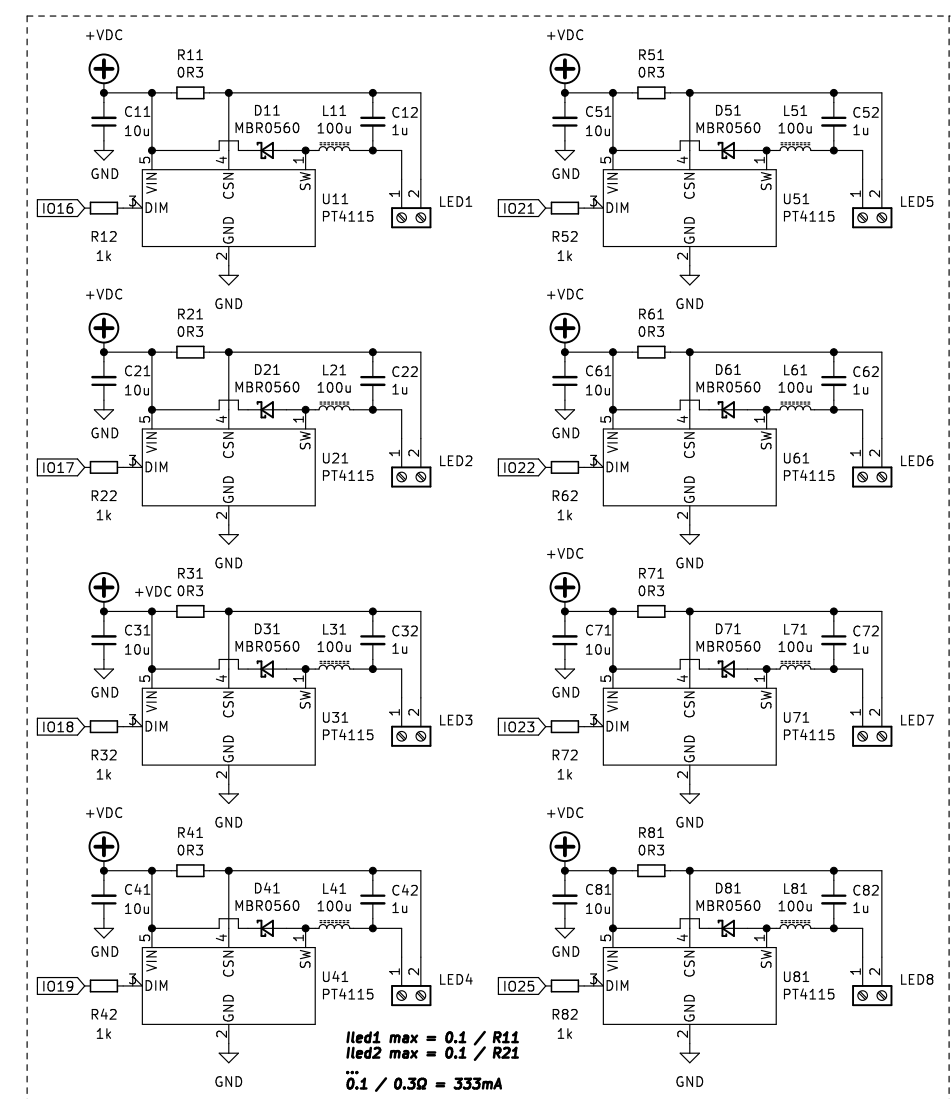
On board temperature sensor



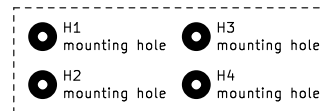
pinout reference

- IO02 = onboard blue LED
- IO04 = dallas temp. sensor
- IO05 = momentary switch
- IO13 = low voltage data out for adressable LED
- IO16 = PWM1 out
- IO17 = PWM2 out
- IO18 = PWM3 out
- IO19 = PWM4 out
- IO21 = PWM5 out
- IO22 = PWM6 out
- IO23 = PWM7 out
- IO25 = PWM8 out
- IO26 = rotary encoder A
- IO27 = rotary encoder B
- IO32 = pir motion sensor
- IO33 = free to use GPIO

Light power handling



M3 Mounting holes



designed by andilge
<https://github.com/andilge>
 Vin = 12-30VDC
 Iled max = 450mA/channel

Sheet: /
 File: CC dimmer low voltage.kicad_sch

Title: 8ch constant current LED driver

Size: A4 Date: 2021-12-24

KiCad E.D.A. kicad (6.0.0)

Rev: 1.87

Id: 1/1