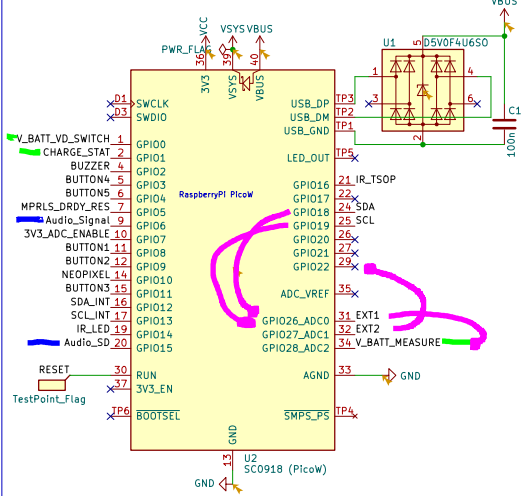
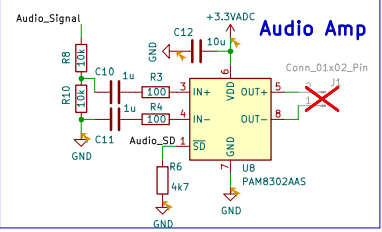
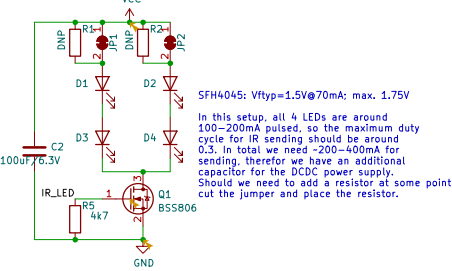


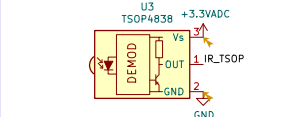
RaspberryPi Pico W



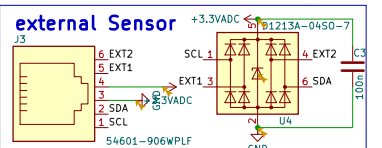
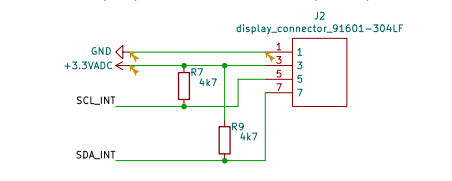
IR (infrared) TX



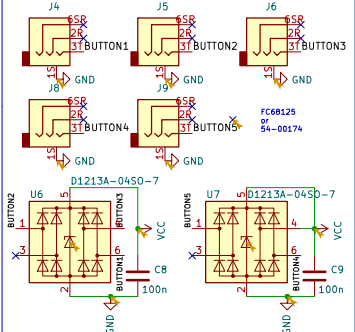
IR (infrared) RX



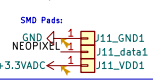
OLED Display + I2C internal pullups



Buttons



Neopixel



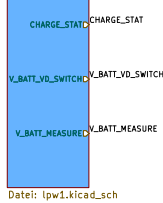
PN532 NFC



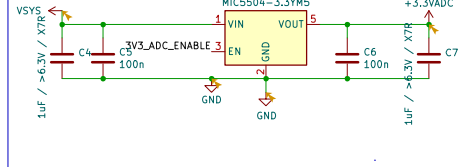
Buzzer



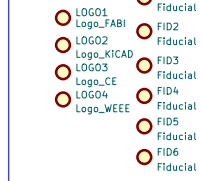
LPW1



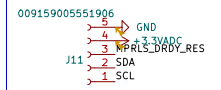
Addon PowerSupply



Mechanical



MPRLS sensorboard



Benjamin Aigner
www.asterics-foundation.org
AsTeRICS Foundation

Sheet: /
File: FAB13schematic.kicad_sch

Title: FAB13 PCB (Picow) with 5 jack plugs

Size: A4

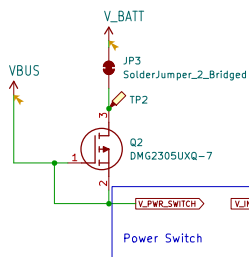
Date: 2023-08-23

Rev: v3.1

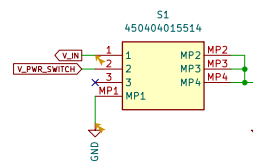
KiCad E.D.A. 8.0.5

Id: 1/2

Battery Switch

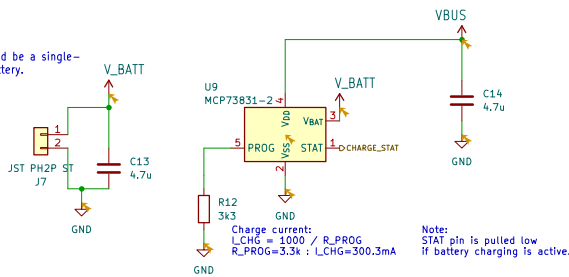


Power Switch

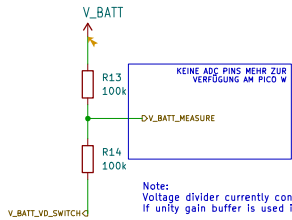


Lithium-Polymer Battery Charger (1-cell)

V_BATT should be a single-cell LiPo battery.



Battery Charge Level Measurement



Note:
Voltage divider currently consumes 165 uA.
If unity gain buffer is used in addition, this can be reduced.

Sheet: /LPW1/
File: lpw1.kicad_sch

Title:

Size: A4
KiCad E.D.A. 8.0.5

Date:

Rev:

Id: 2/2