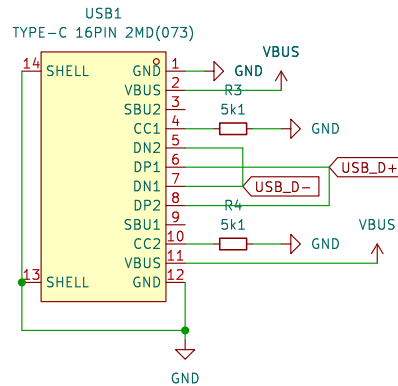
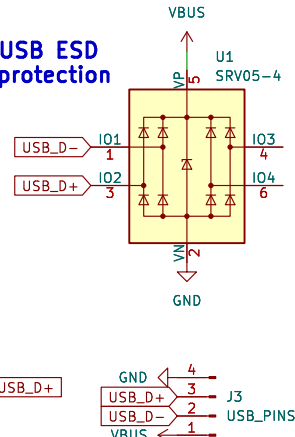


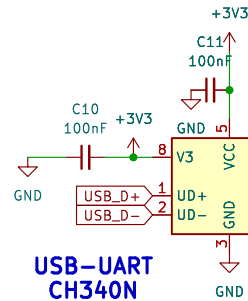
## USB-C connector



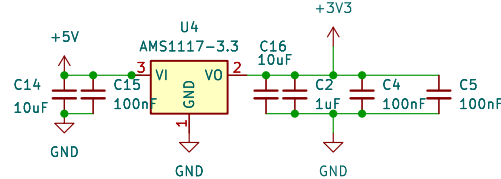
## USB ESD protection



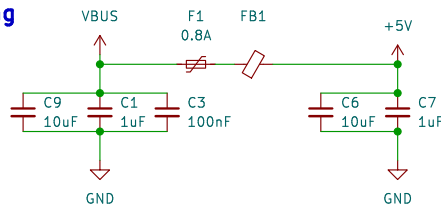
## USB-UART CH340N



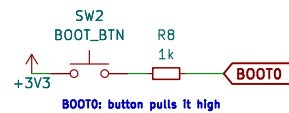
## 3V3 linear reg.



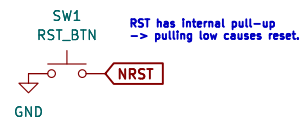
## Fuse & PWR filtering



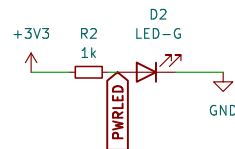
## BOOT button



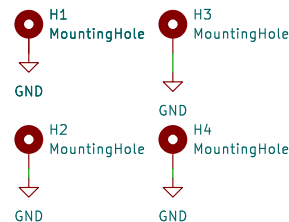
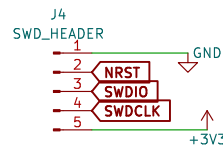
## RESET button



## PWR LED



## SWD header



## PUYAISP support:

Serial pins PA2 (PY32 TX) / PA3 (PY32 RX) selected to match with:  
<https://github.com/wagiminator/MCU-Flash-Tools?tab=readme-ov-file#puyaisp>

Set your MCU to bootloader mode by using ONE of the following methods:

- Disconnect your USB-to-serial converter, pull BOOT0 pin (PF4) to VCC (or press and hold the BOOT button, if your board has one), then connect the converter to your USB port. BOOT0 pin (or BOOT button) can be released now.
- Connect your USB-to-serial converter to your USB port. Pull BOOT0 pin (PF4) to VCC, then pull nRST (PF2) shortly to GND (or press and hold the BOOT button, then press and release the RESET button and then release the BOOT button, if your board has them).

Then you can flash: `python3 puyaisp.py -f firmware.bin`

See the URL above for more information.



**PYILL32 rev.A**

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Sheet: /  
File: pyill32.kicad\_sch

**Title: pyill32 – indie py32f030 evaluation board**

Size: A4

Date:

KiCad E.D.A. 8.0.4

Rev: A

Id: 1/1