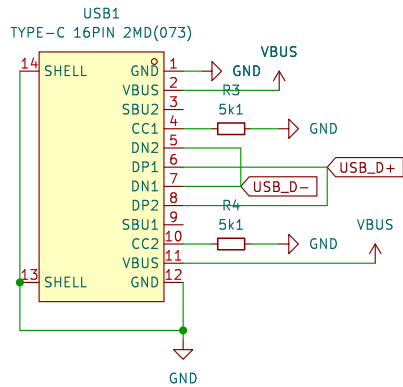
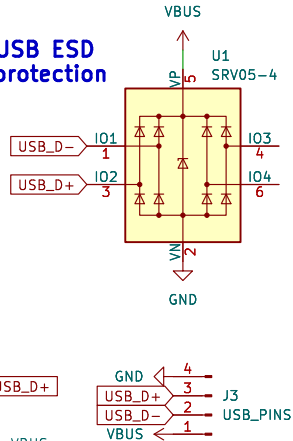


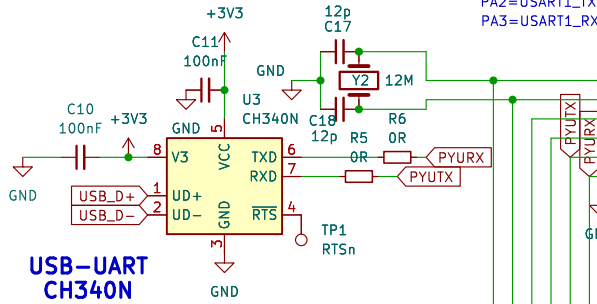
## USB-C connector



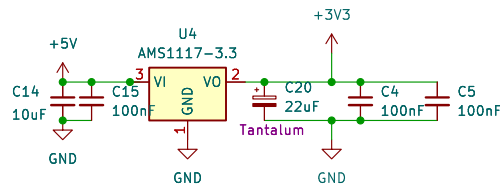
## USB ESD protection



## USB-UART CH340N



## 3V3 linear reg.



## Changelog revA->revB:

- added C19 (bug)
- swapped UART RX/TX (bug)
- R2 -> 5k1 (brightness)
- added R1 (BOOT0 pulldown)
- C20 tantalum
- SWD resistors R9-R12 added

## MCU-Flash-Tools / puyaisp.py 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>

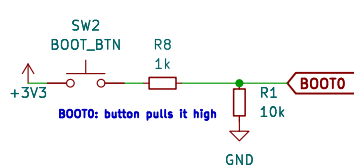
Set your MCU to bootloader mode by using either of the following methods:

- Press and hold BOOT button (PF4 to VCC), then connect the converter to your USB port. Release BOOT button.
- Connect USB. Press and hold BOOT button, then press and release the RESET button and then release BOOT button.

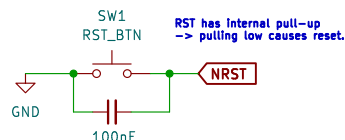
Then you can flash: `python3 puyaisp.py -f firmware.bin`

See the URL above for more information.

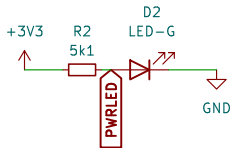
## BOOT button



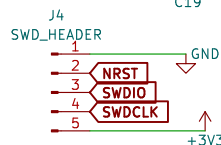
## RESET button



## PWR LED



## SWD header



## PU(rple)PILL32 rev.B

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Sheet: /  
 File: pupill32.kicad\_sch

Title: **pupill32 - indie py32f030 evaluation board**

Size: A4  
 KiCad E.D.A. 8.0.7

Date:

Rev: B  
 Id: 1/1