

<https://docs.espressif.com/projects/esp-idf/en/latest/esp32c3/api-reference/peripherals/gpio.html>
<https://projects.espressif.com/esp-idf/en/latest/esp32c3/api-guides/jtag-debugging/configure-other-jtag.html>
<https://docs.espressif.com/projects/esp-idf/en/latest/esp32c3/api-reference/system/efuse.html>
Remember to write a device id or encryption key to the 4 Kbit eFuse!

Warning, untested prototype!
Pending quality assurance testing
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HiP Berlin, Badge Team

Sheet: Microcontrol
File: control.kicad_sch

Title: HiP Berlin Hardware Badge

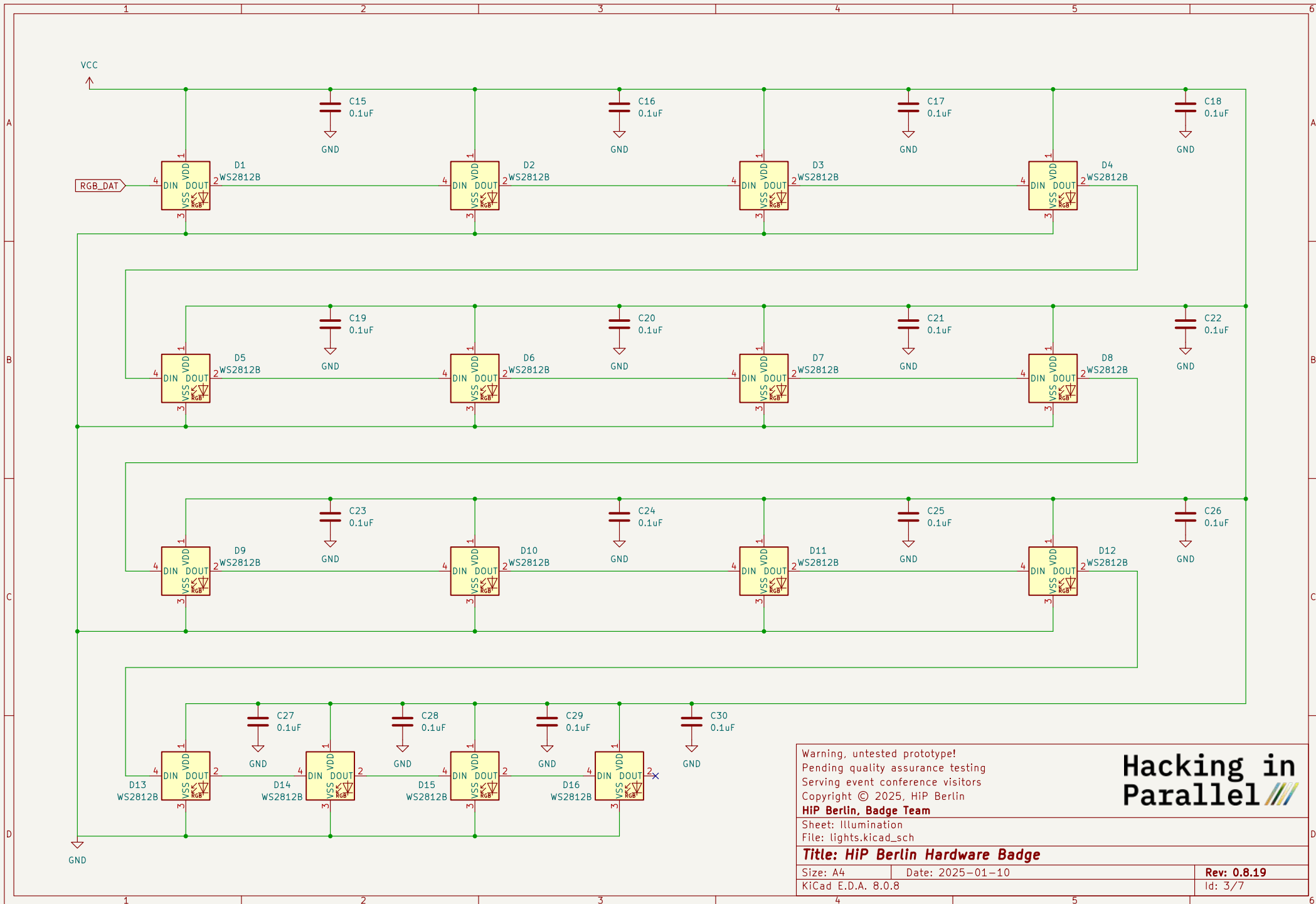
Size: A4 Date: 2025-01-10

KiCad E.D.A. 8.0.8

**Hacking in
Parallel**

Rev: 0.8.19

Id: 2/7



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Sheet: Illumination
File: lights.kicad_sch

Title: HiP Berlin Hardware Badge

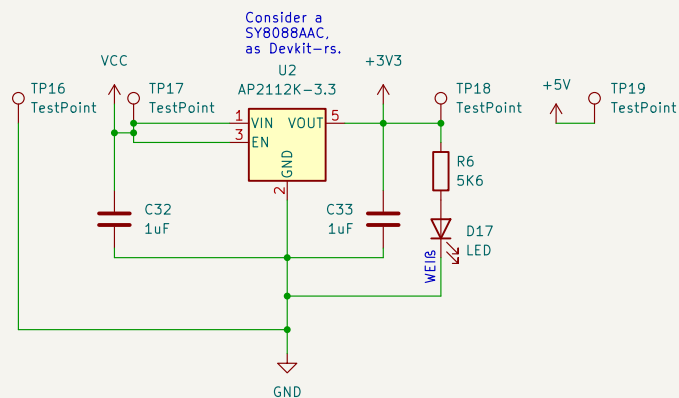
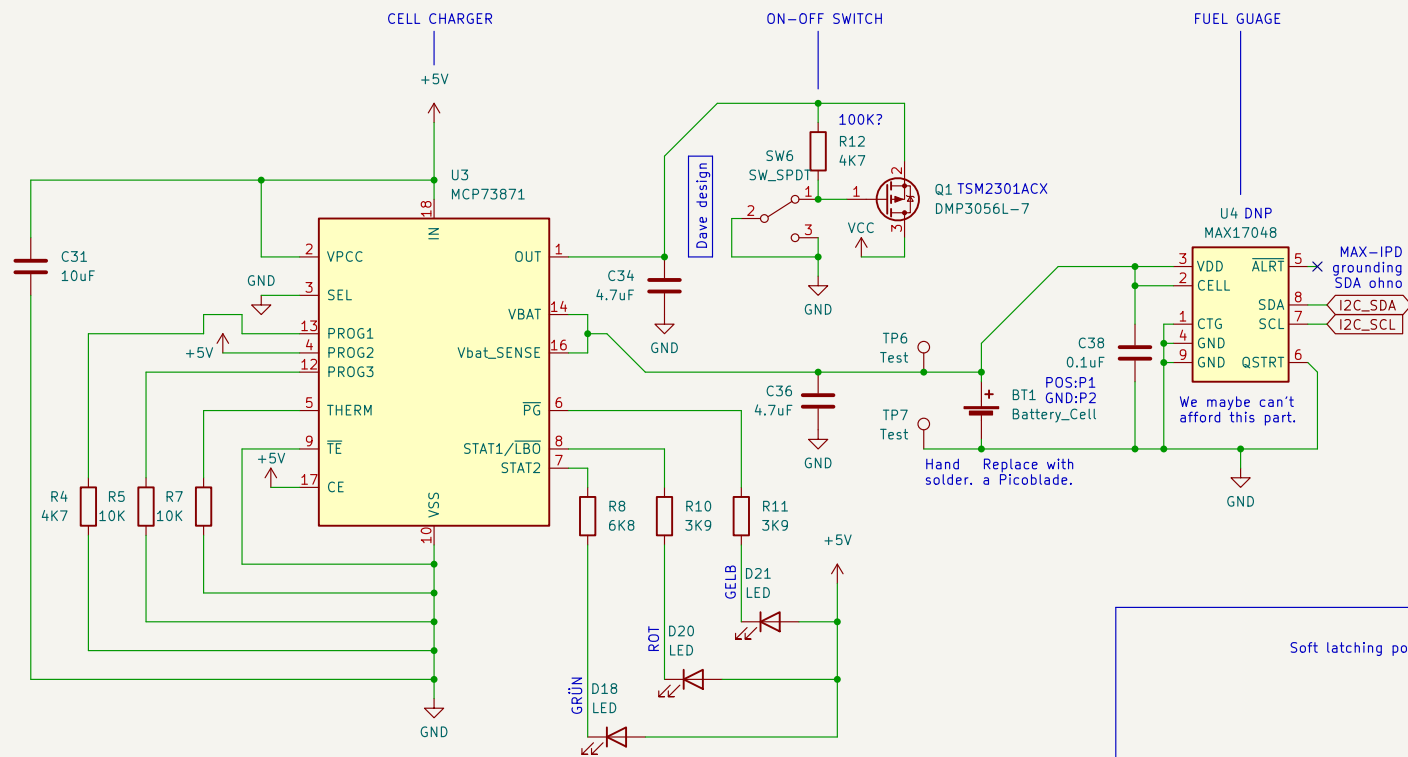
Size: A4 Date: 2025-01-10

KiCad E.D.A. 8.0.8

**Hacking in
Parallel** 

Rev: 0.8.19

Id: 3/7



<https://www.studiopieters.nl/battery-charger/>
<https://www.itecnotes.com/electrical/electronic-mcp73871-doesnt-start-to-charge-the-battery/>

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Sheet: Powermanage
 File: power.kicad_sch

Title: HiP Berlin Hardware Badge

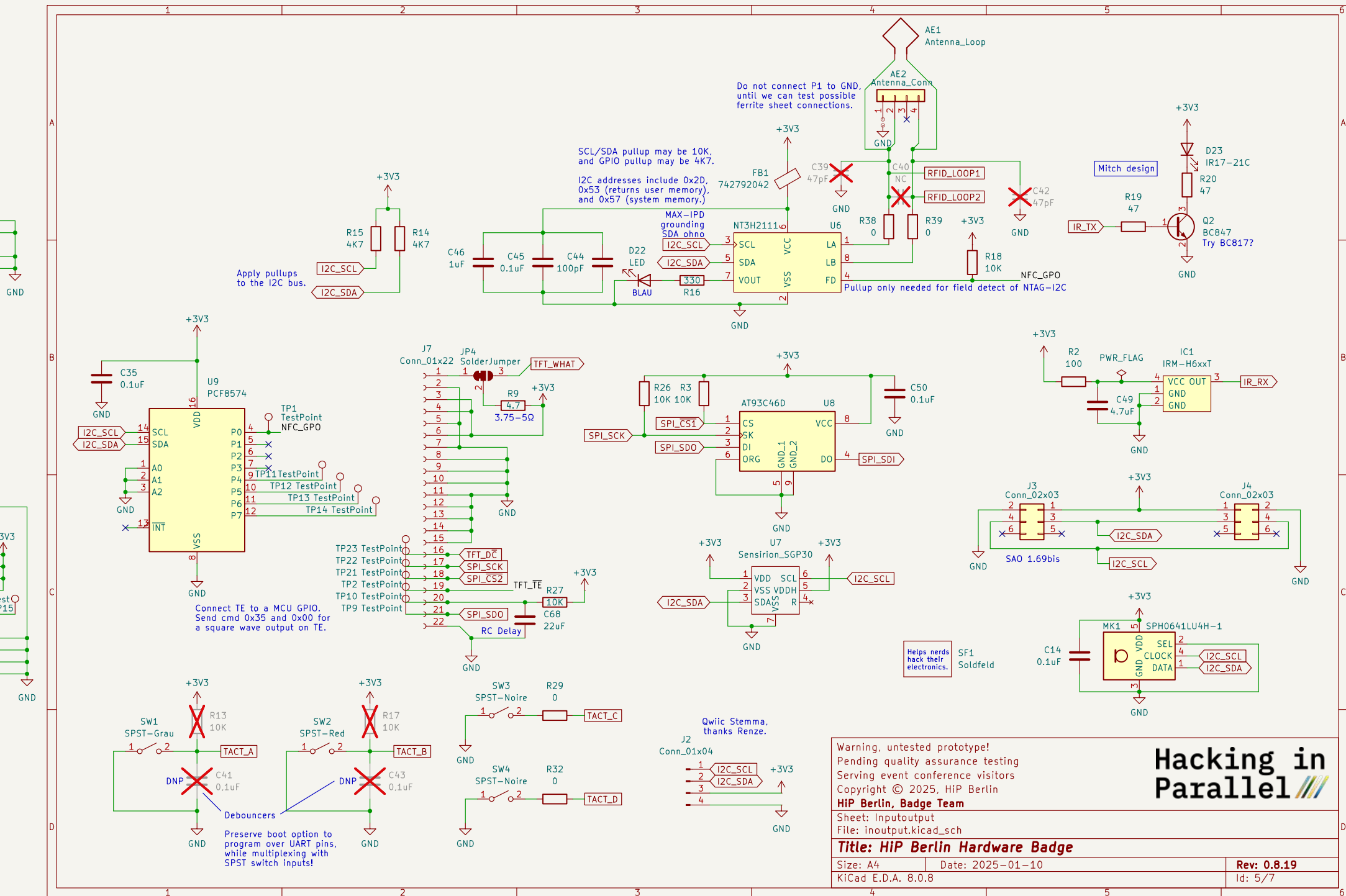
Size: A4 Date: 2025-01-10

KiCad E.D.A. 8.0.8

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 Parallel**

Rev: 0.8.19

Id: 4/7



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Sheet: Inputoutput
File: inputoutput.kicad_sch

Title: HiP Berlin Hardware Badge

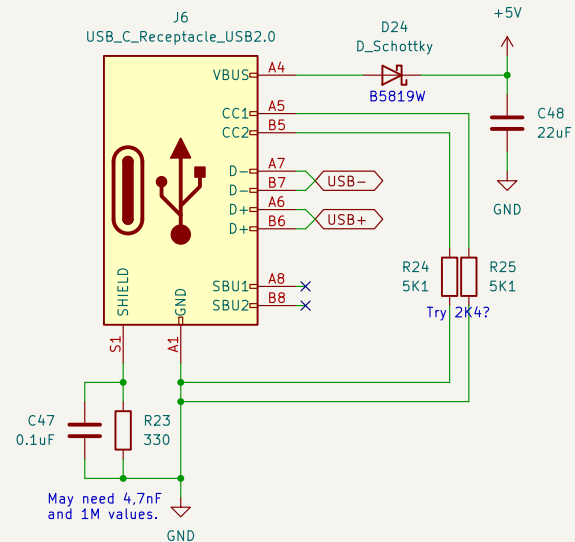
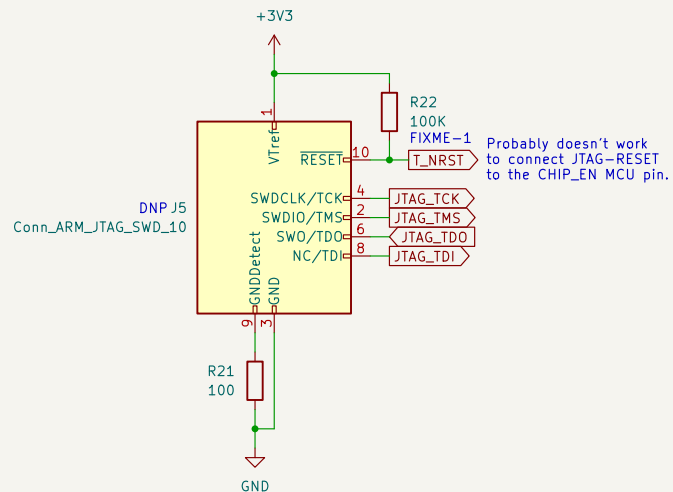
Size: A4 | Date: 2025-01-10

KiCad E.D.A. 8.0.8

**Hacking in
Parallel**

Rev: 0.8.19

Id: 5/7



<https://docs.espressif.com/projects/esp-idf/en/latest/esp32c3/api-guides/jtag-debugging/index.html>

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**Hacking in
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Sheet: Serialconnect
 File: serial.kicad_sch

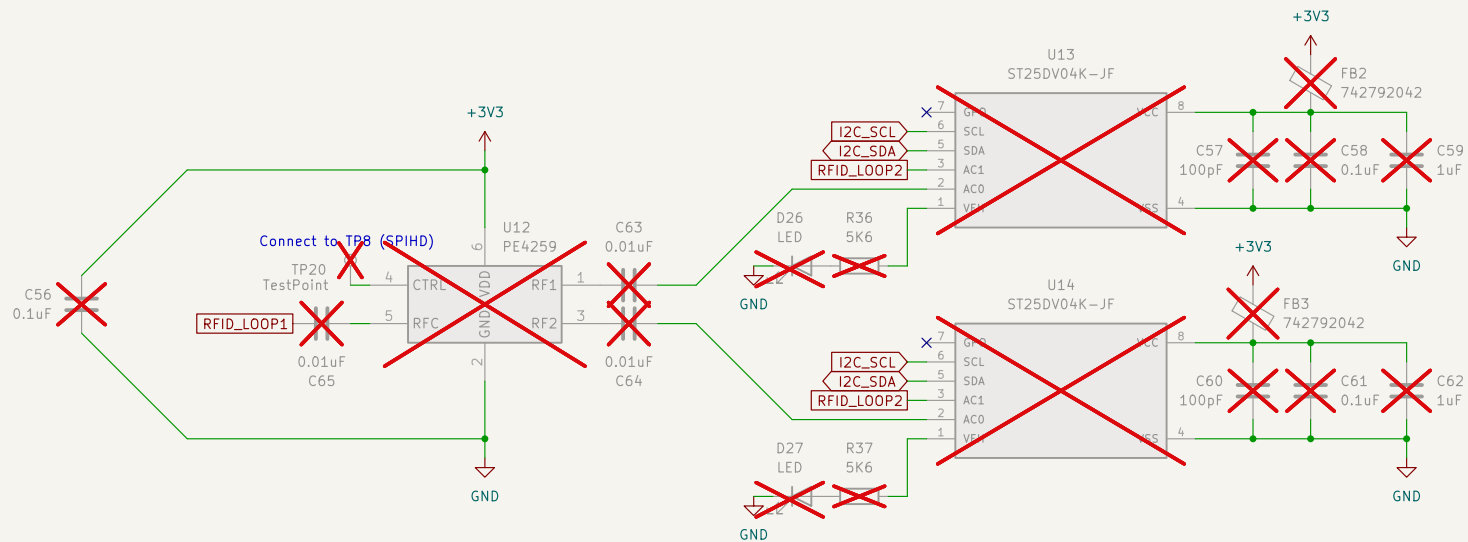
Title: HiP Berlin Hardware Badge

Size: A4 Date: 2025-01-10

KiCad E.D.A. 8.0.8

Rev: 0.8.19

Id: 6/7



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Sheet: Inputoutput1
 File: nfceeprom.kicad_sch

Title: HiP Berlin Hardware Badge

Size: A4 Date: 2025-01-10

KiCad E.D.A. 8.0.8

**Hacking in
 Parallel**

Rev: 0.8.19

Id: 7/7