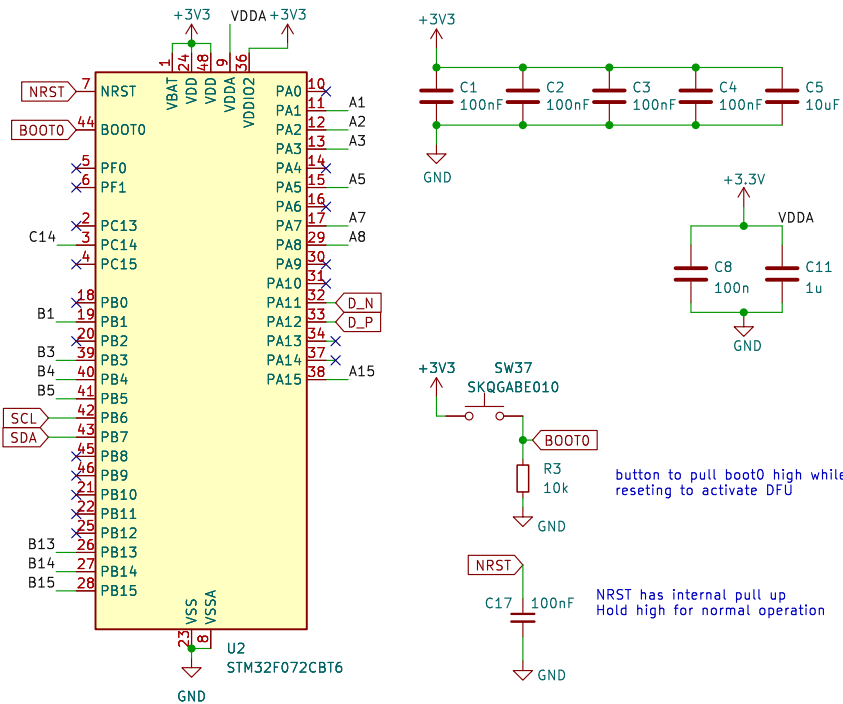
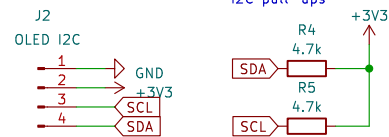


MCU



OLED display

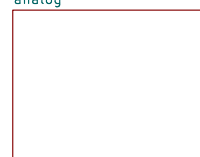


key matrix



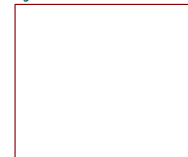
File: key_matrix.kicad_sch

analog



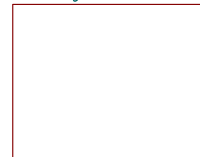
File: analog.kicad_sch

rgb



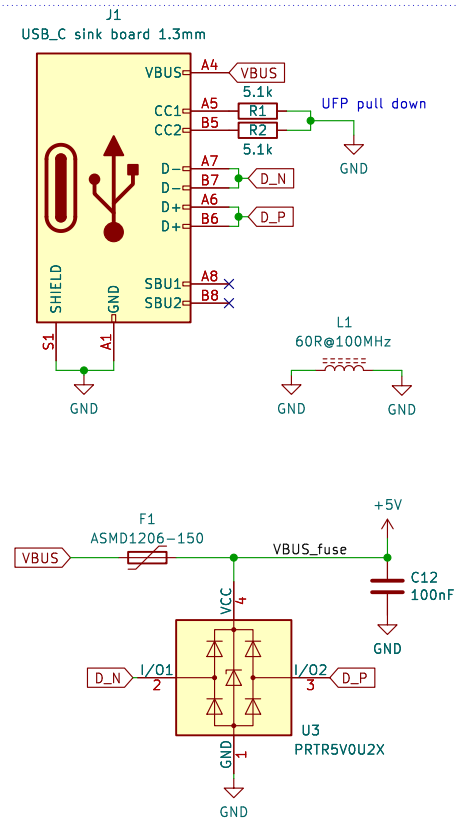
File: rgb.kicad_sch

mounting_holes



File: mounting_holes.kicad_sch

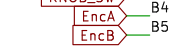
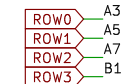
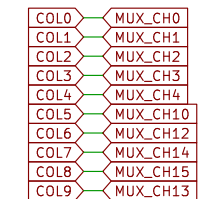
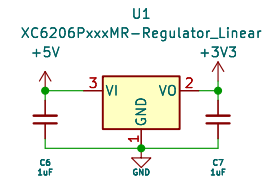
USB-C and ESD



usb signal impedance ref:
4 layer PCB, stack up: JLC04161H-7628
coplanar differential pair
signal spacing: 0.2mm/0.15mm
signal to ground spacing: 0.2mm/0.15mm
signal trace width: 0.2644mm/0.2096mm

<https://jlcpcb.com/pcb-impedance-calculator/>

3.3V LDO



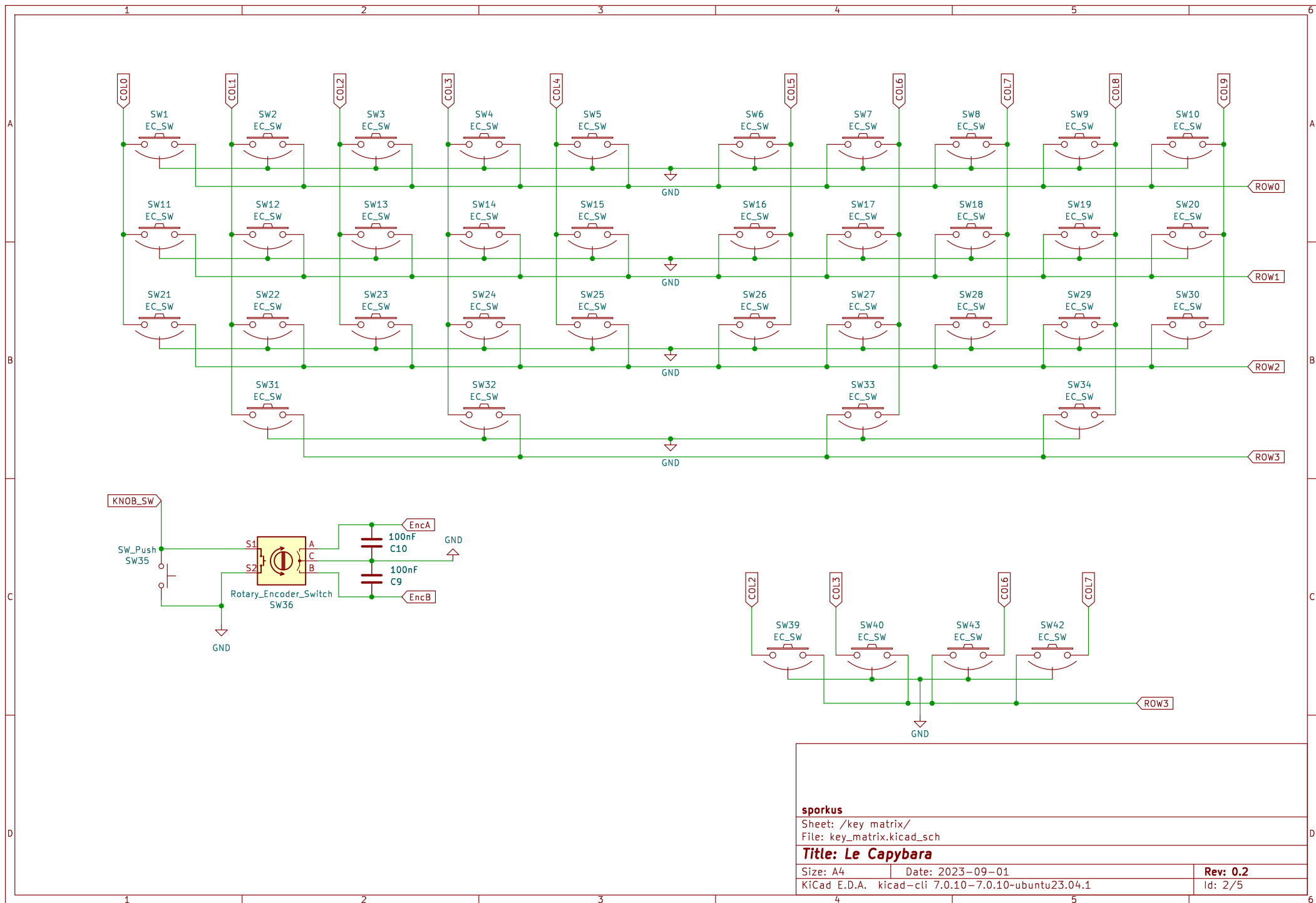
Fixes analog, RGB schematic
sporkus

Sheet: /
File: le_capybara.kicad_sch

Title: Le Capybara

Size: A4 Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1

Rev: 0.2
Id: 1/5



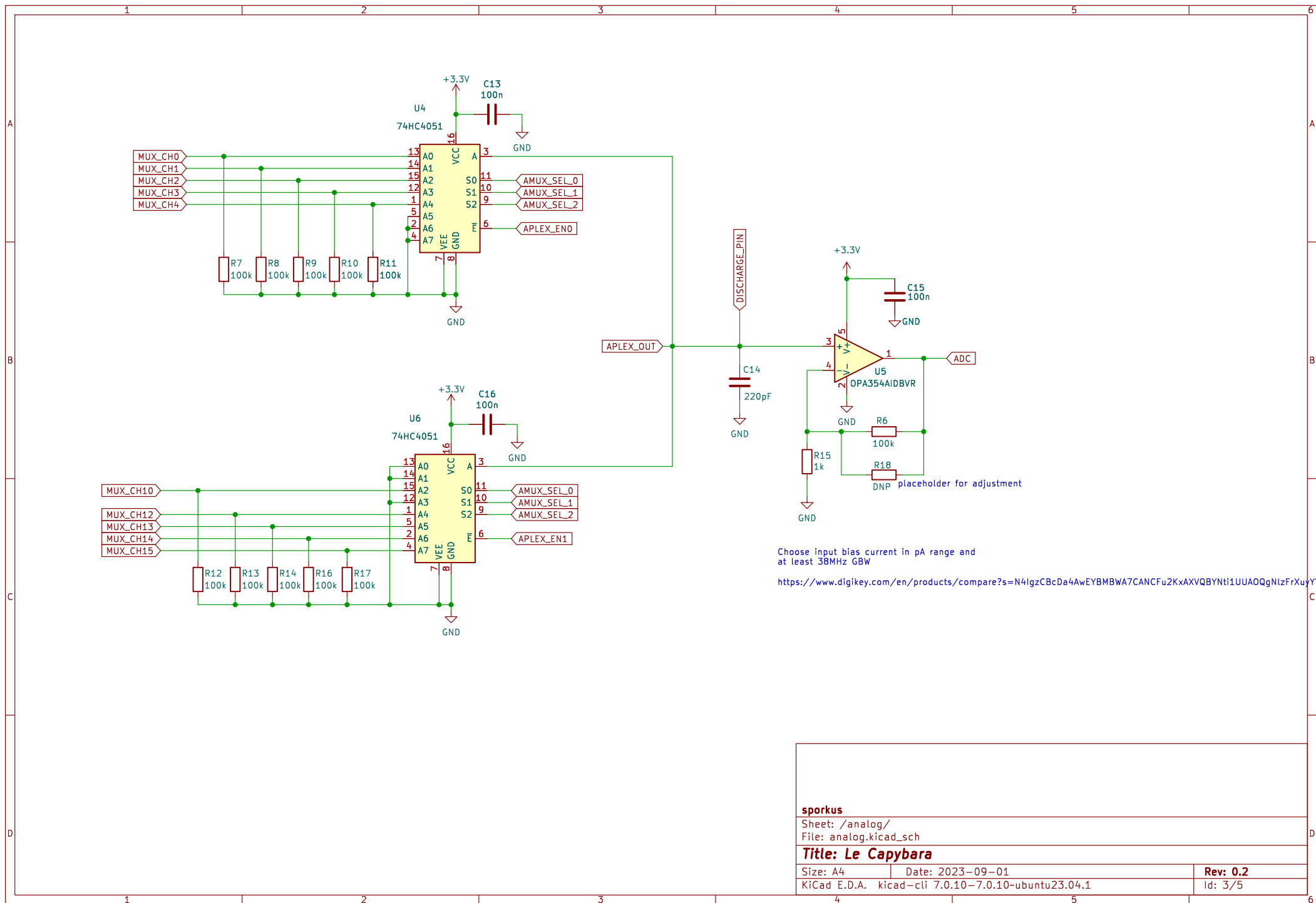
sporkus

Sheet: /key matrix/
File: key_matrix.kicad_sch

Title: Le Capybara

Size: A4 Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1

Rev: 0.2
Id: 2/5



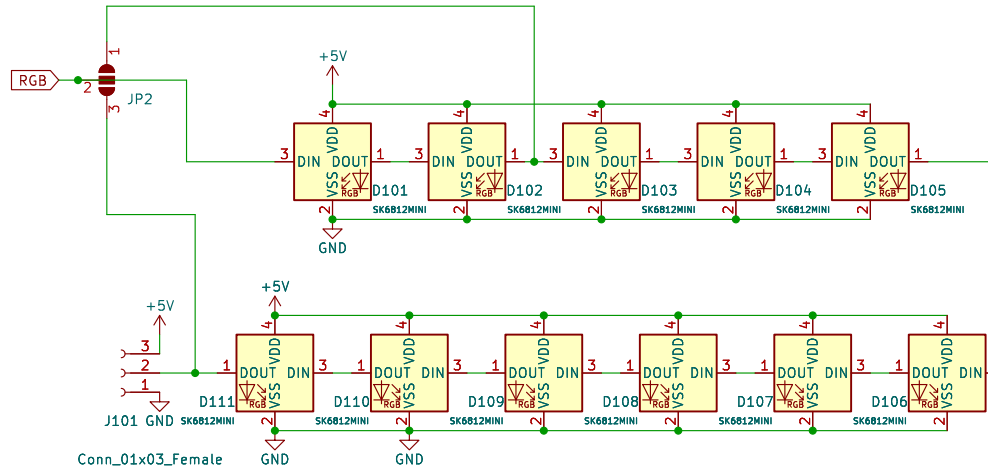
sporkus

Sheet: /analog/
File: analog.kicad_sch

Title: Le Capybara

Size: A4 Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.10-ubuntu23.04.1

Rev: 0.2
Id: 3/5



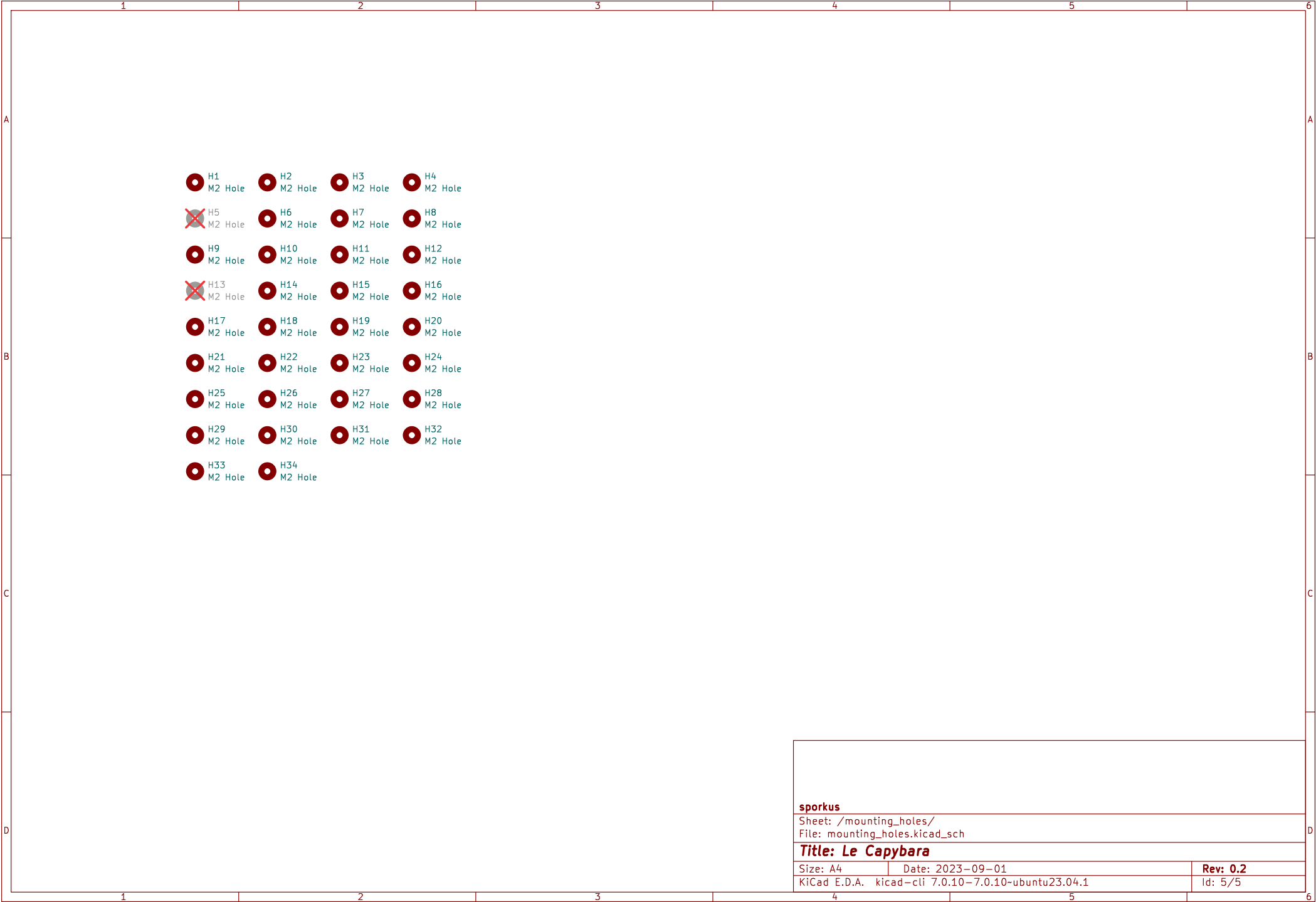
sporkus

Sheet: /rgb/
File: rgb.kicad_sch

Title: Le Capybara

Size: A4 Date: 2023-09-01
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1

Rev: 0.2
Id: 4/5



sporkus

Sheet: /mounting_holes/
File: mounting_holes.kicad_sch

Title: Le Capybara

Size: A4	Date: 2023-09-01	Rev: 0.2
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1		Id: 5/5