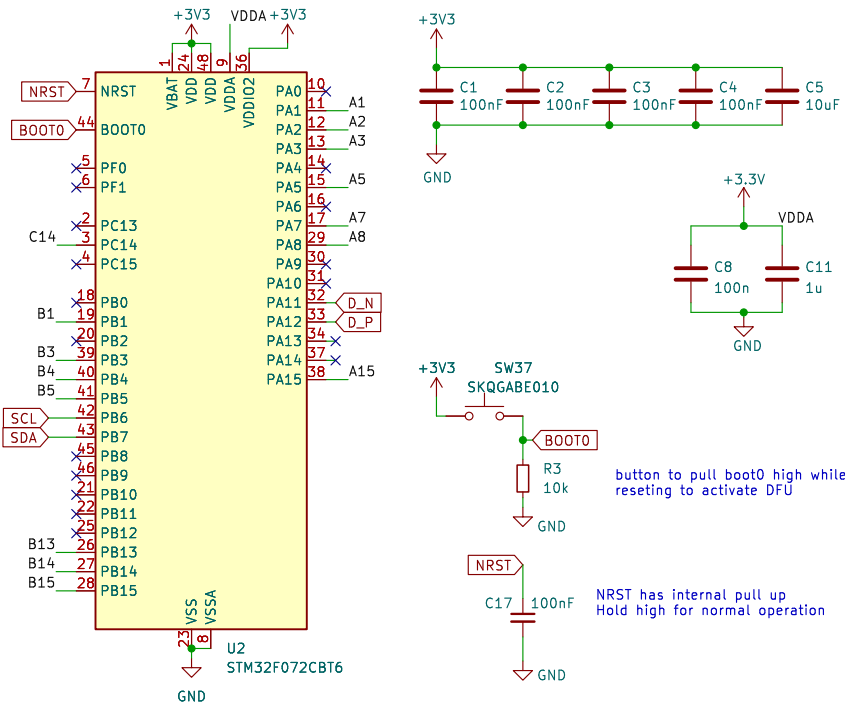
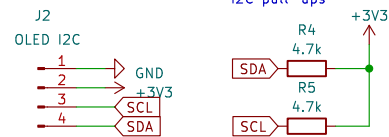


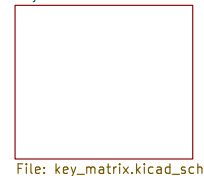
## MCU



## OLED display

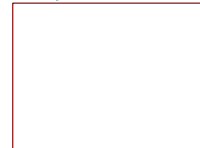


## key matrix



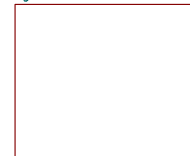
File: key\_matrix.kicad\_sch

## analog



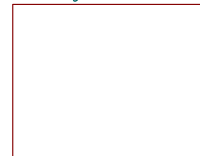
File: analog.kicad\_sch

## rgb



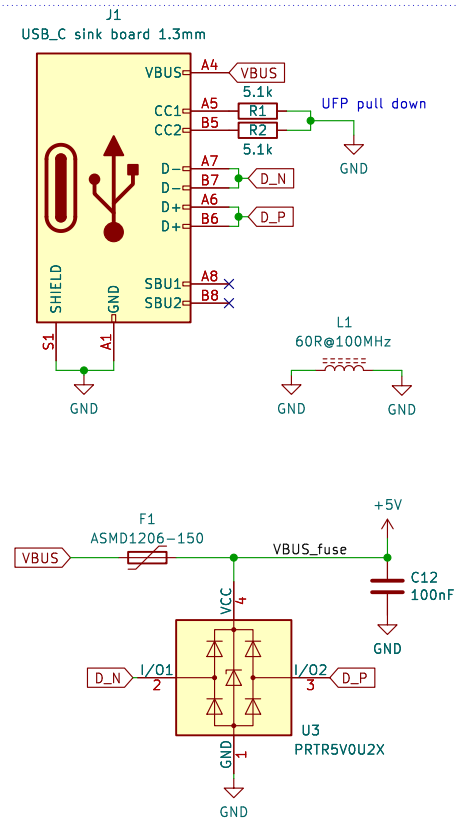
File: rgb.kicad\_sch

## mounting\_holes



File: mounting\_holes.kicad\_sch

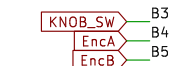
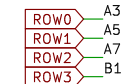
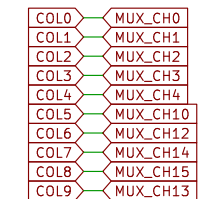
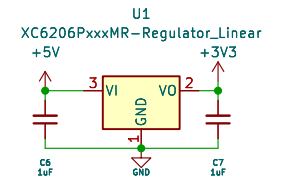
## USB-C and ESD



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

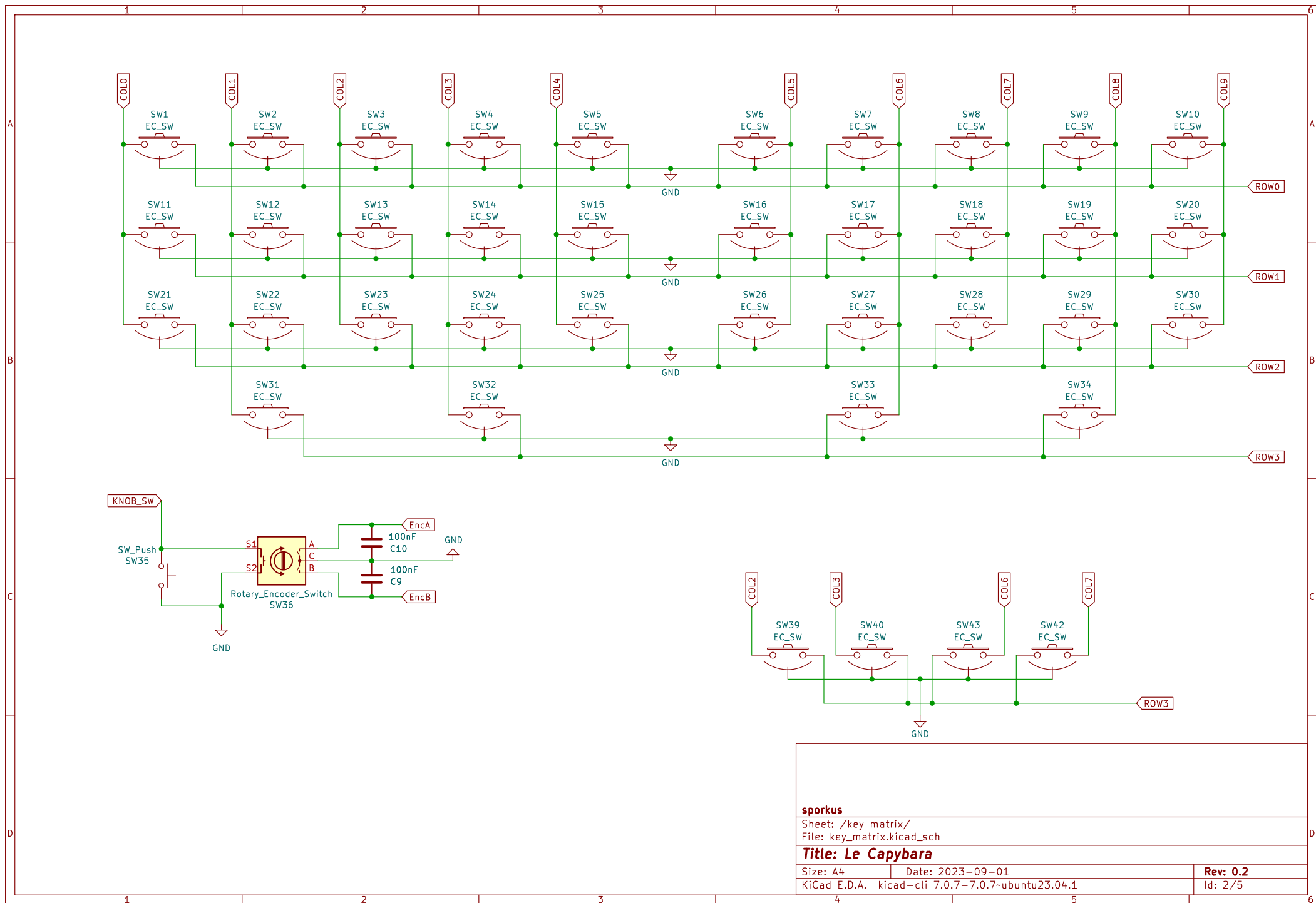
**Title: Le Capybara**

Size: A4 Date: 2023-09-01

KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

**Rev: 0.2**

Id: 1/5



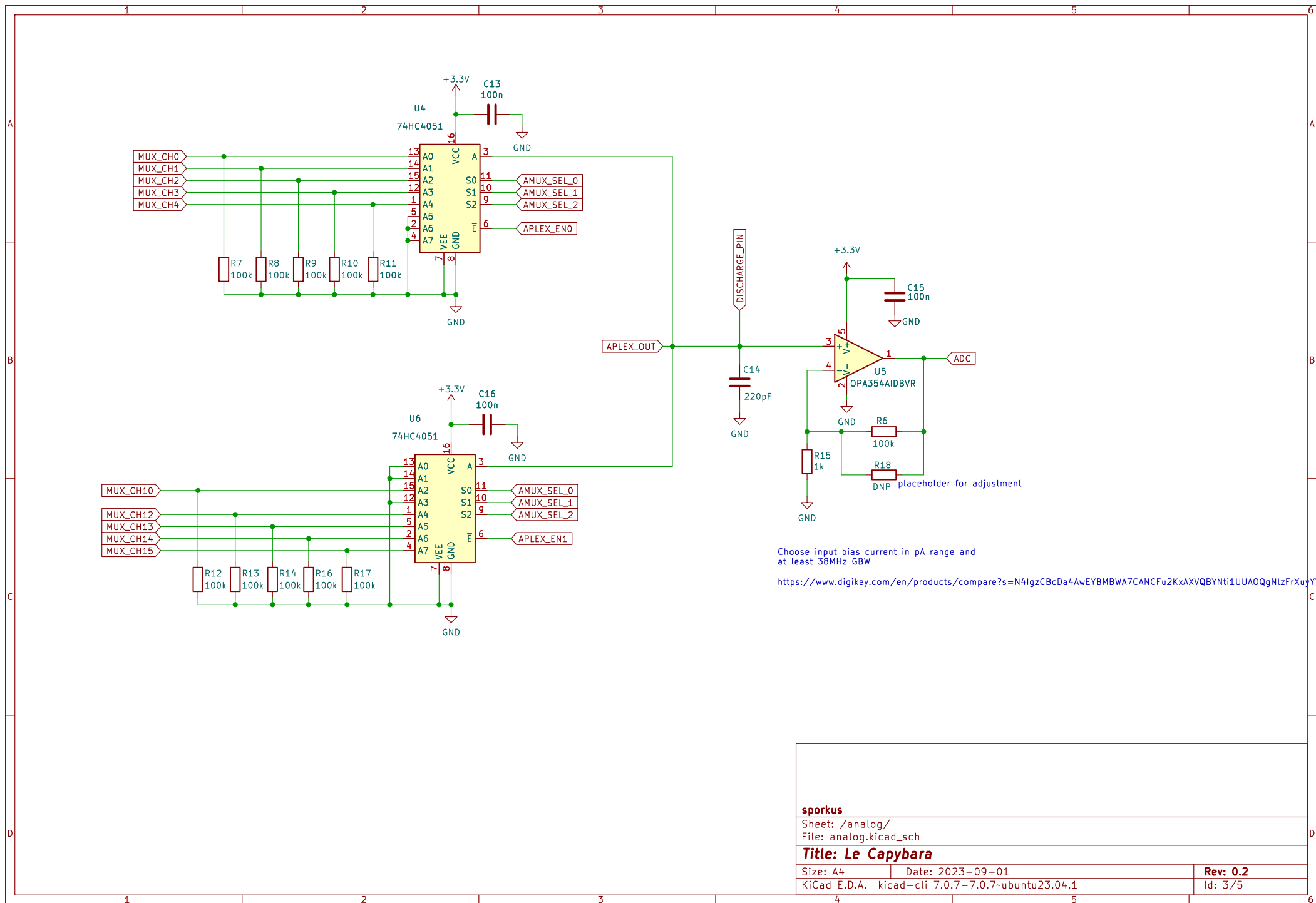
sporkus

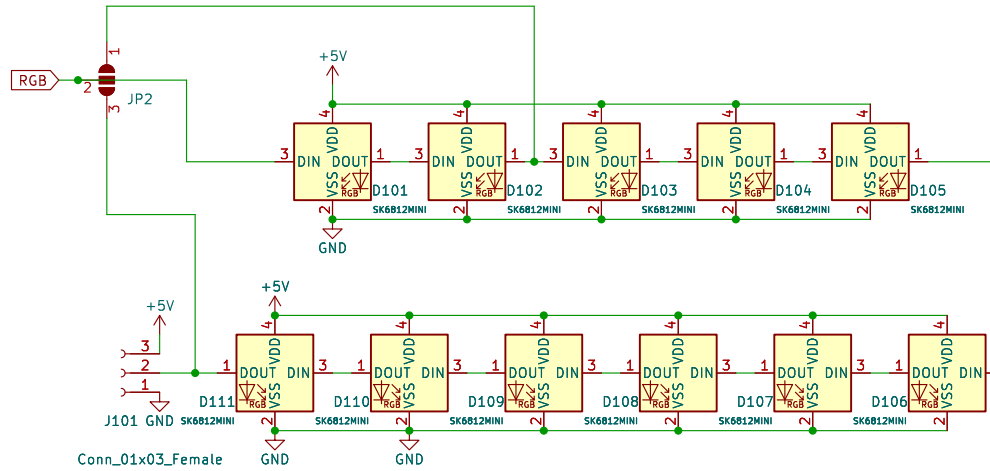
Sheet: /key matrix/  
File: key\_matrix.kicad\_sch

**Title: Le Capybara**

Size: A4 Date: 2023-09-01  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

**Rev: 0.2**  
Id: 2/5





sporkus

Sheet: /rgb/  
File: rgb.kicad\_sch

**Title: Le Capybara**

Size: A4 Date: 2023-09-01  
KiCad E.D.A. kicad-cli 7.0.7-ubuntu23.04.1

**Rev: 0.2**  
Id: 4/5

