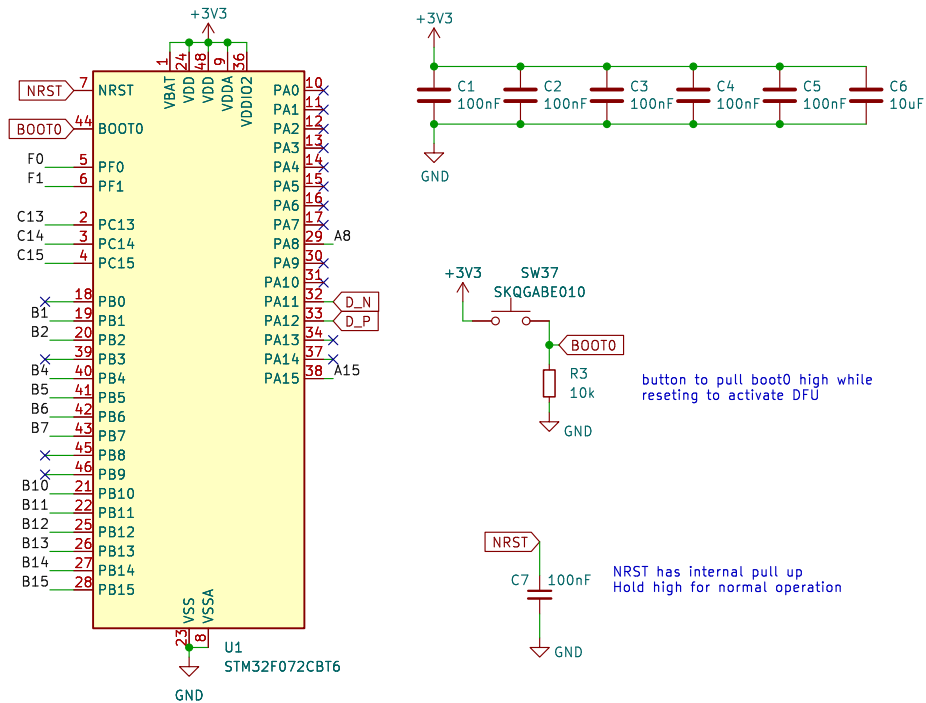
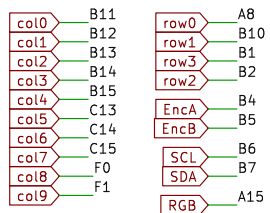


## MCU



## MCU pin mapping



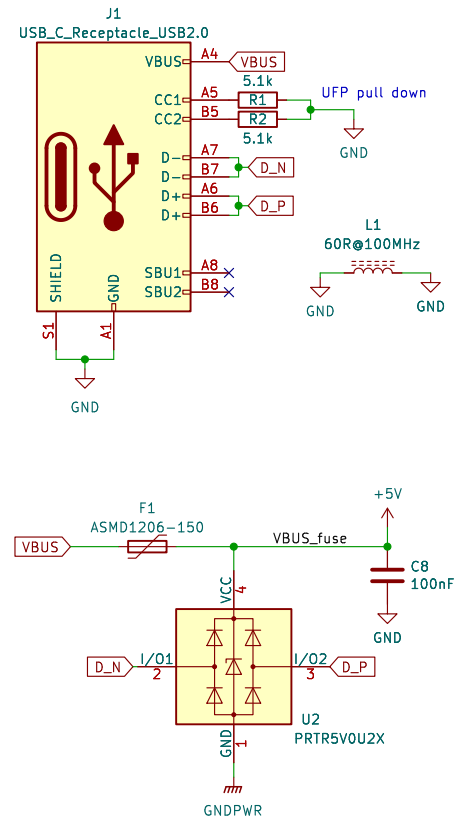
## key matrix

File: key\_matrix.kicad\_sch

## RGB leds

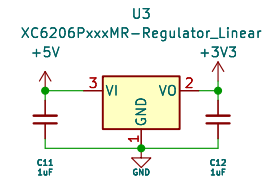
File: rgb.kicad\_sch

## USB-C and ESD

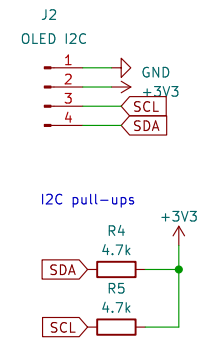


Differential pair ref:  
2 layer PCB  
microstrip spacing: 0.127mm  
coplanar reference spacing: 0.127mm  
signal width: 0.25mm  
dielectric thickness: 1.6mm  
calculator: <https://www.eeweb.com/tools/edge-coupled-microstrip-impedance/>  
<https://resources.altium.com/p/routing-requirements-usb-20-2-layer-pcb>

## 3.3V LDO



## OLED display



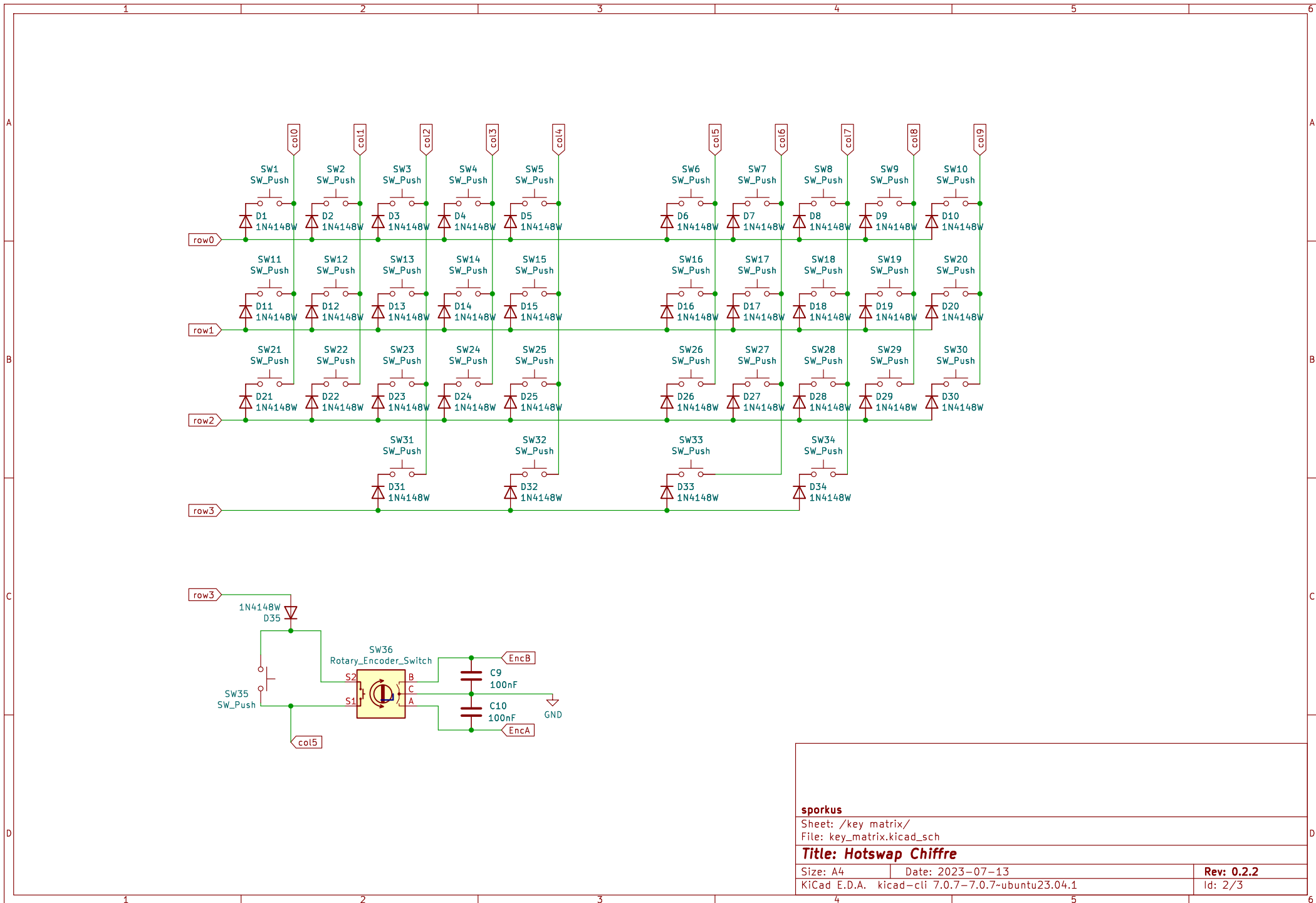
## sporkus

Sheet: /  
File: stm32\_hotswap\_chiffre.kicad\_sch

## Title: Hotswap Chiffre

Size: A4 Date: 2023-07-13  
KiCad E.D.A. kicad-cli 7.0.7-7.0.7-ubuntu23.04.1

Rev: 0.2.2  
Id: 1/3



sporkus

Sheet: /key matrix/

File: key\_matrix.kicad\_sch

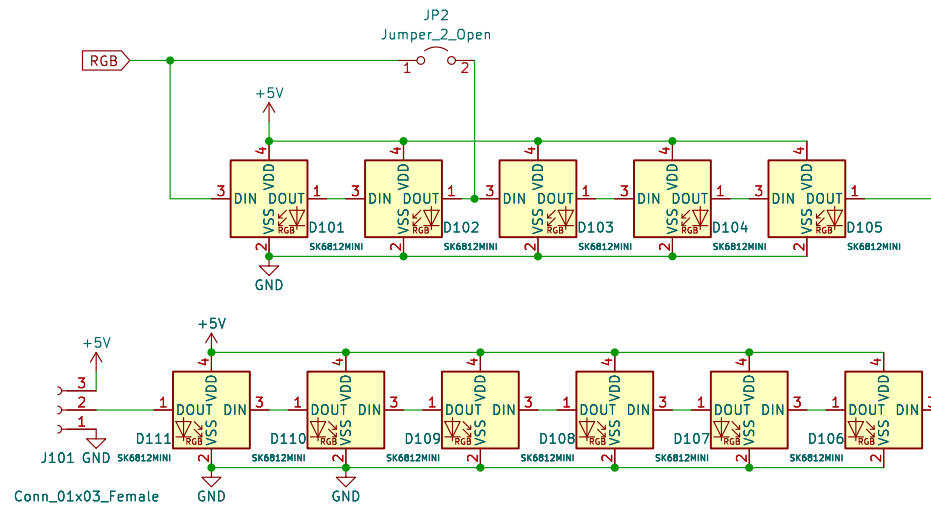
**Title: Hotswap Chiffre**

Size: A4 Date: 2023-07-13

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

Rev: 0.2.2

Id: 2/3



sporkus

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

**Title: Hotswap Chiffre**

Size: A4 Date: 2023-07-13

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

**Rev: 0.2.2**

Id: 3/3