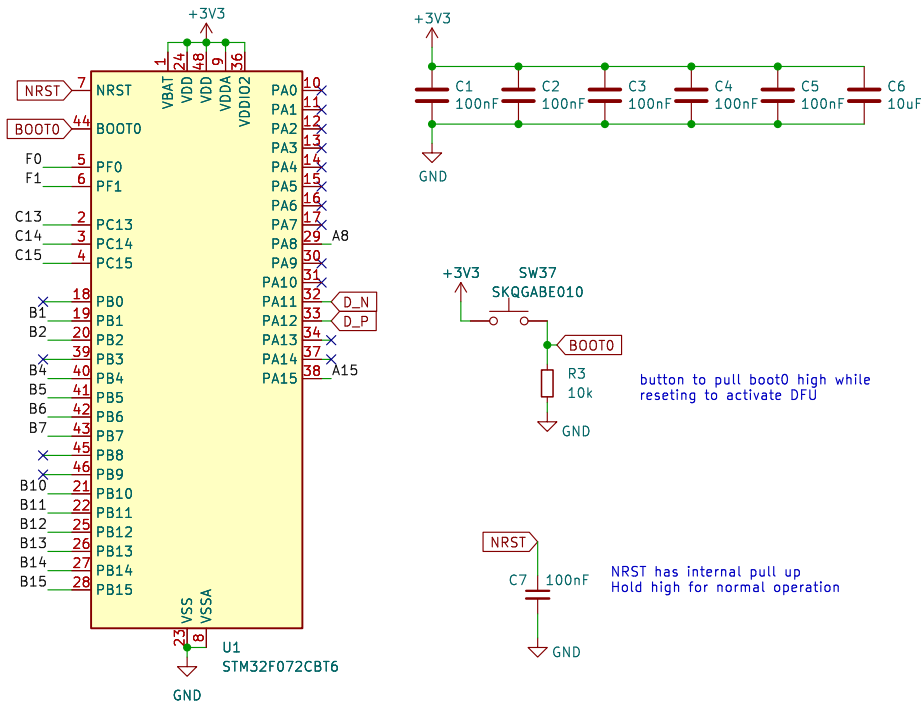
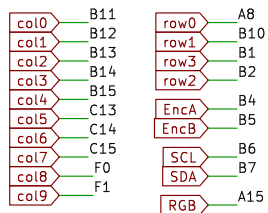


MCU



MCU pin mapping



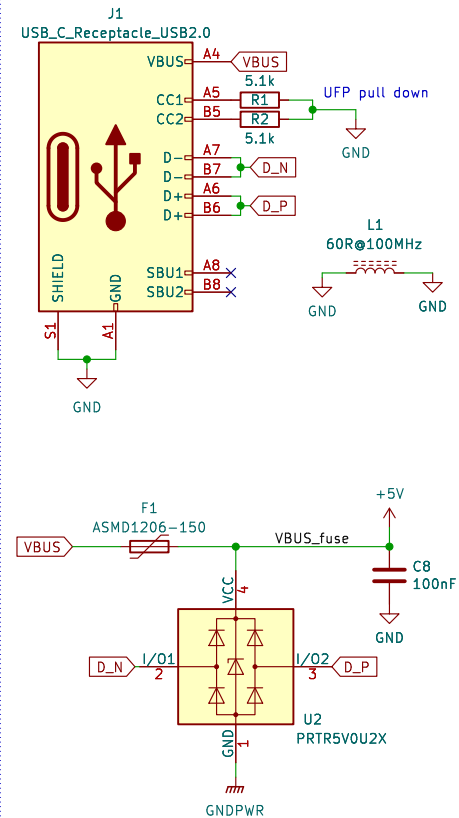
key matrix

File: key_matrix.kicad_sch

RGB leds

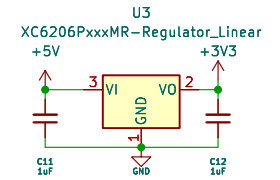
File: rgb.kicad_sch

USB-C and ESD

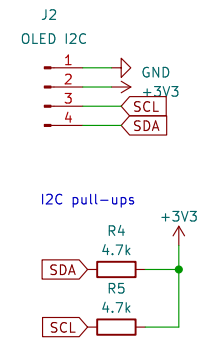


Differential pair ref:
2 layer PCB
microstrip spacing: 0.127mm
coplanar reference spacing: 0.127mm
signal width: 0.25mm
dielectric thickness: 1.6mm
calculator: <https://www.eeweb.com/tools/edge-coupled-microstrip-impedance/>
<https://resources.altium.com/p/routing-requirements-usb-20-2-layer-pcb>

3.3V LDO



OLED display



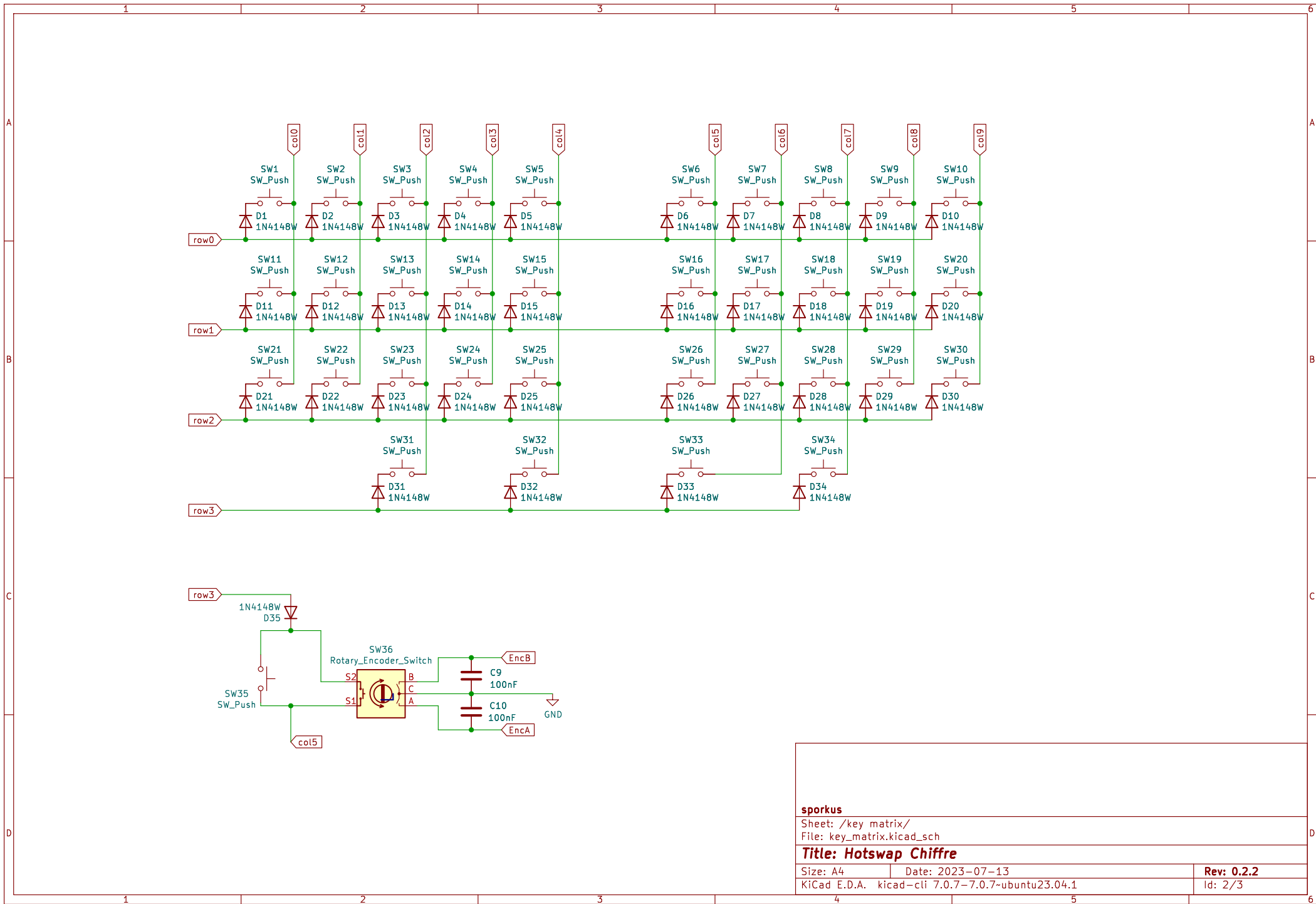
sporkus

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

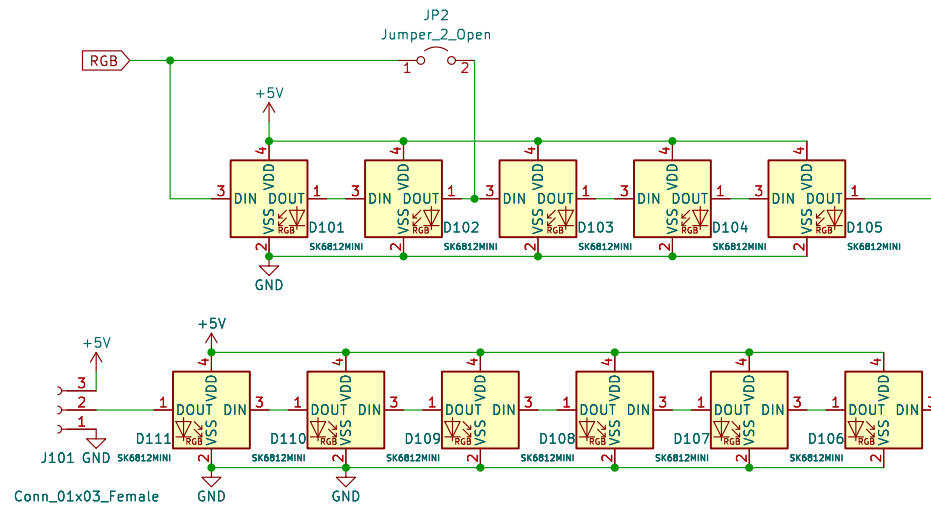
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Date: 2023-07-13

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