

Diagram illustrating the pin connections for a 10x8 LED matrix, divided into two 5x4 sections.

**Left Section (Columns 0-9, Rows B11-B15, C13-C15, F0-F1):**

- col0 → B11
- col1 → B12
- col2 → B13
- col3 → B14
- col4 → B15
- col5 → C13
- col6 → C14
- col7 → C15
- col8 → F0
- col9 → F1

**Right Section (Rows row0-row3, EncA-EncB, SCL, SDA, RGB):**

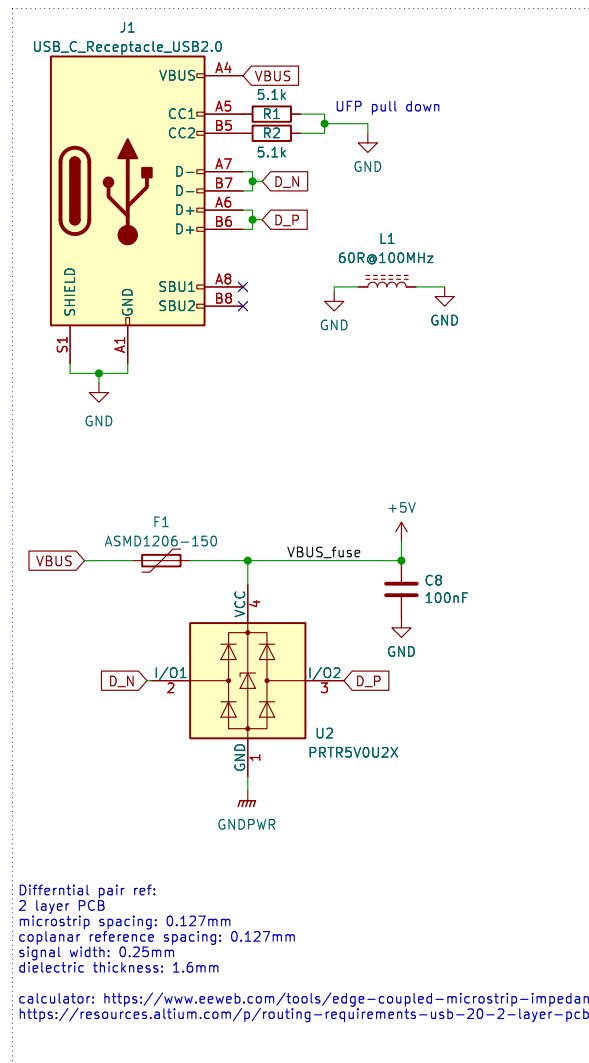
- row0 → A8
- row1 → B10
- row2 → B2
- row3 → B1
- EncA → B4
- EncB → B5
- SCL → B6
- SDA → B7
- RGB → A15

**key matrix**

File: key\_matrix.kicad\_sch

**RGB leds**

File: rgb.kicad\_sch



U3  
XC6206PxxMR—Regulator\_Linear

+5V

+3V3

3 VI

2 V0

1 GND

C11 1uF

GND

C12 1uF

OLED display

J2  
OLED I2C

1 GND

2 +3V3

3 SCL

4 SDA

I2C pull-ups

+3V3

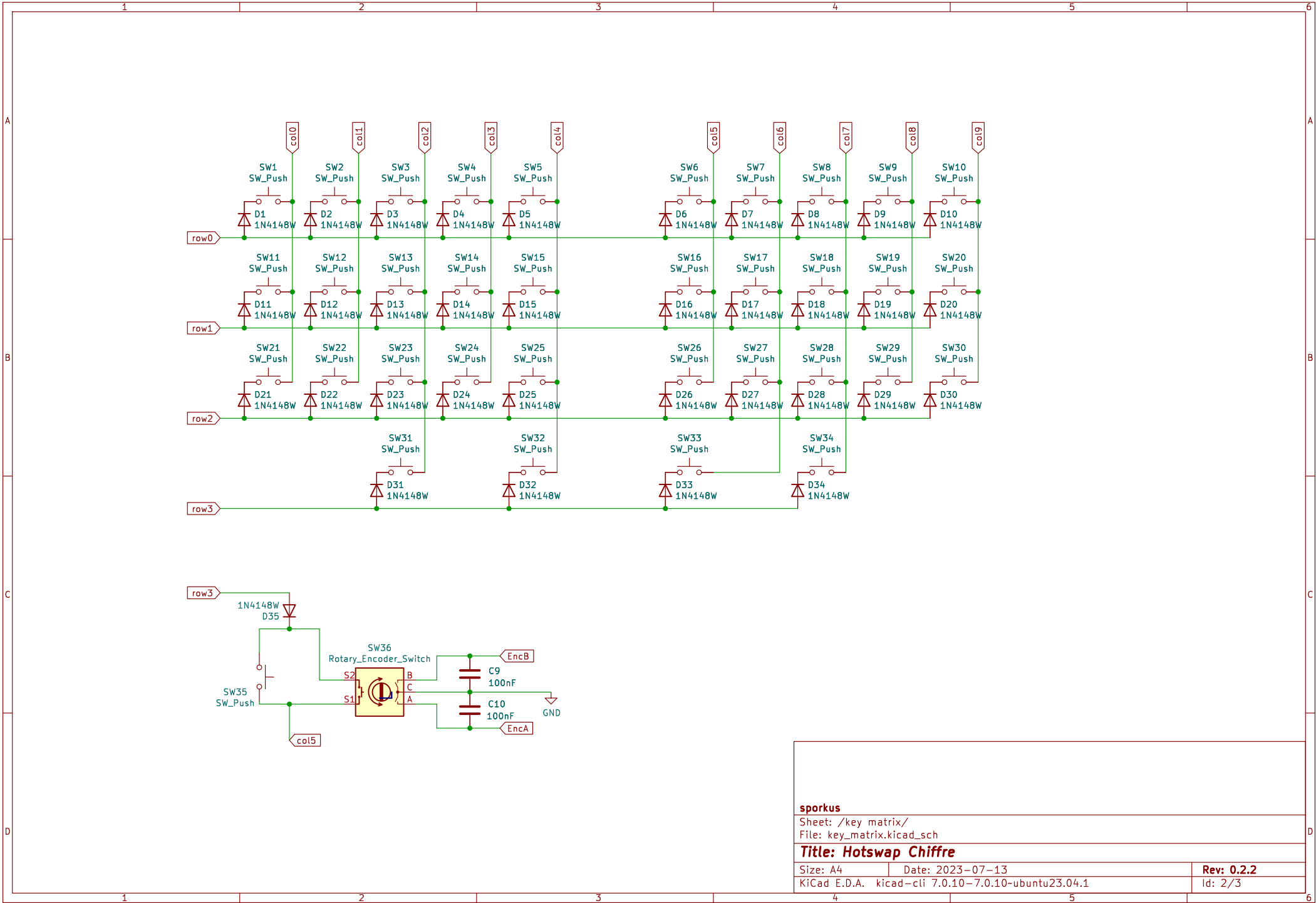
R4 4.7k

R5 4.7k

SDA

SCL

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sporkus

Sheet: /key matrix/

File: key\_matrix.kicad\_sch

**Title: Hotswap Chiffre**

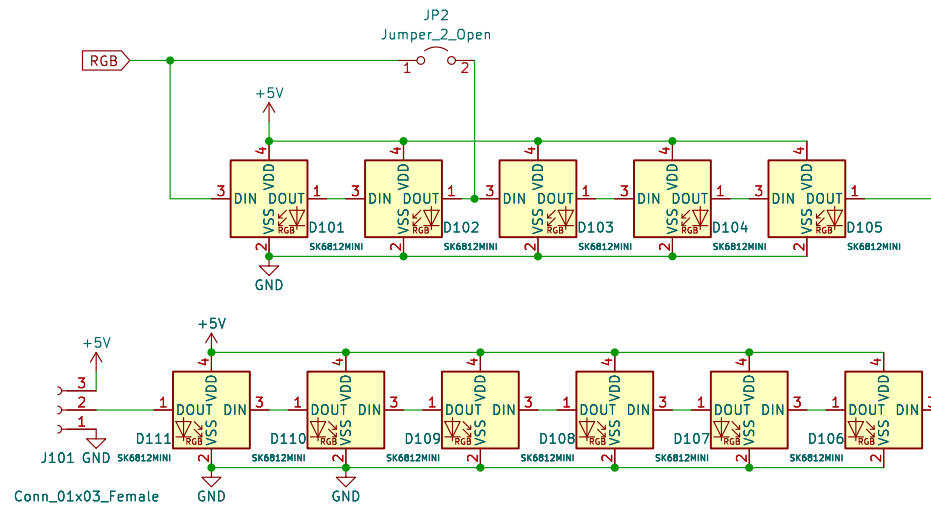
Size: A4

Date: 2023-07-13

Rev: 0.2.2

KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu23.04.1

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 7.0.10-7.0.10-ubuntu23.04.1

**Rev: 0.2.2**  
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