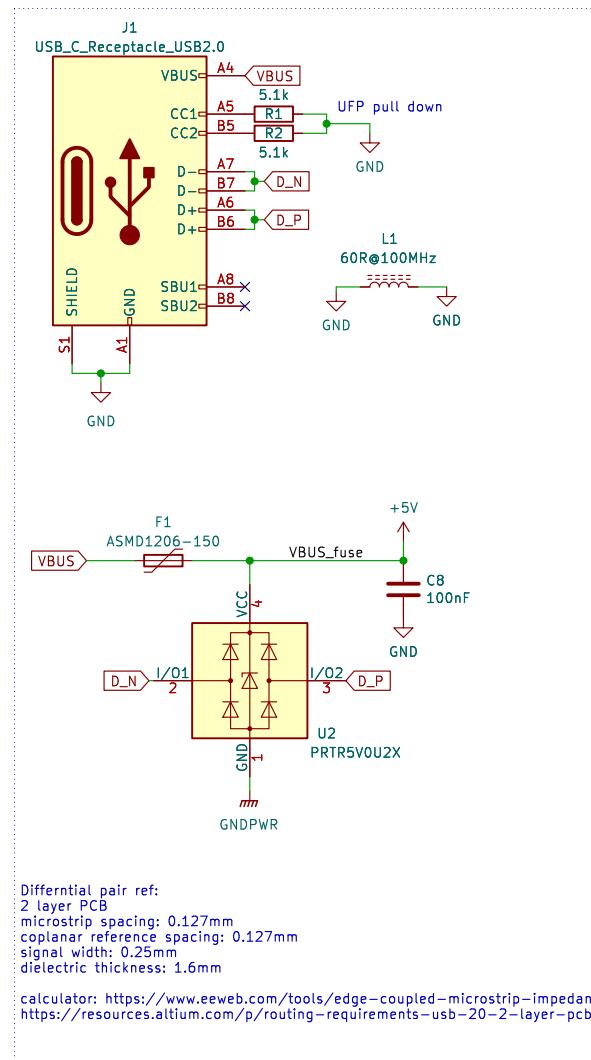


Diagram showing the connection of the key matrix to the RGB LEDs. The key matrix has 10 columns (col0 to col9) and 5 rows (row0 to row4). The RGB LEDs have 8 pins (A8 to A15). The connections are: col0 to B11, col1 to B12, col2 to B13, col3 to B14, col4 to B15, col5 to C13, col6 to C14, col7 to C15, col8 to F0, col9 to F1, row0 to A8, row1 to B10, row3 to B1, row2 to B2, EncA to B4, EncB to B5, SCL to B6, SDA to B7, and RGB to A15.



U3  
XC6206PxxxMR—Regulator\_Linear

+5V

+3V3

3 VI

2 V0

1 GND

C11 1uF

C12 1uF

GND

OLED display

J2  
OLED I2C

1 GND

2 +3V3

3 SCL

4 SDA

R4 4.7k

R5 4.7k

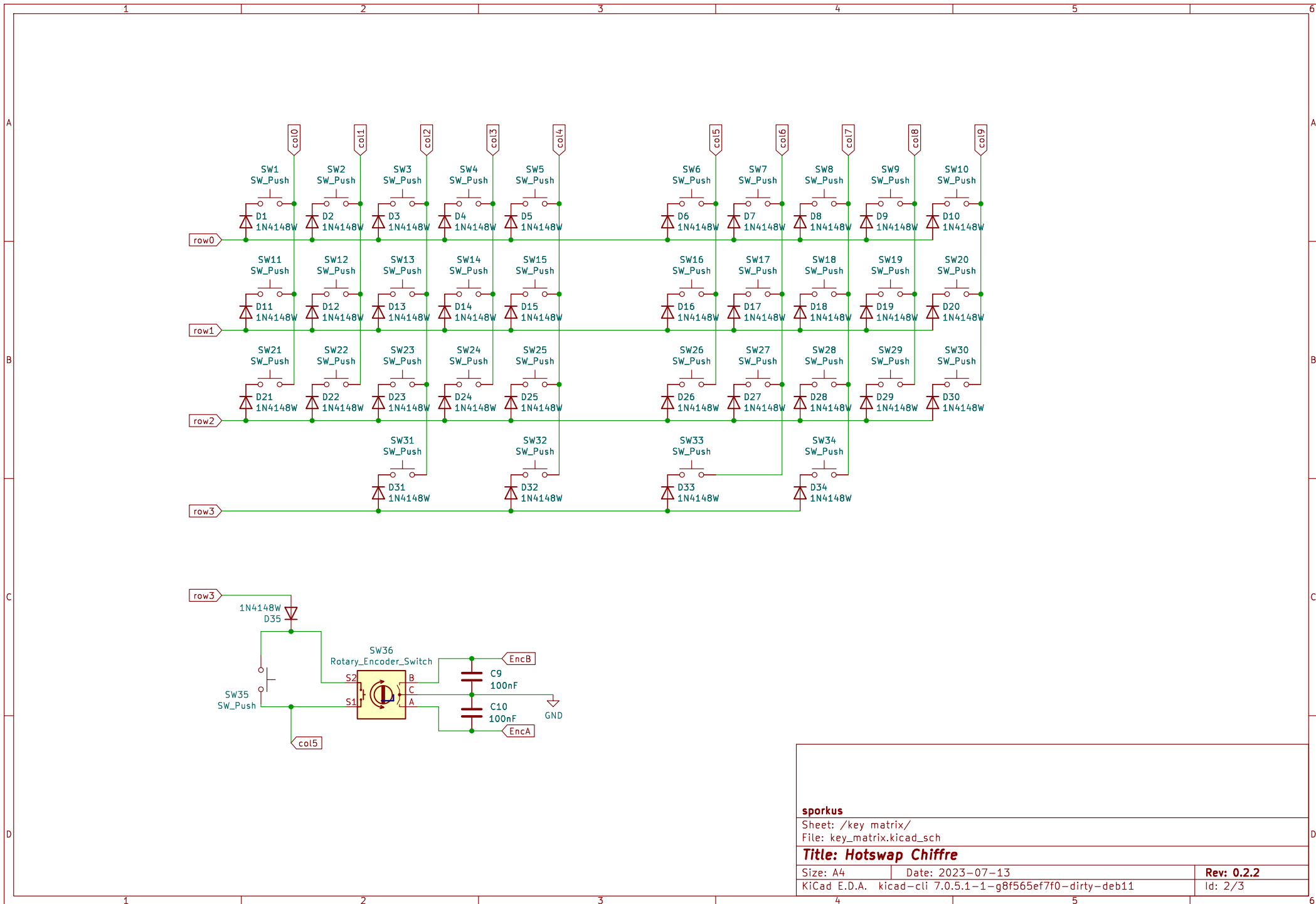
+3V3

SDA

SCL

I2C pull-ups

<b>sporkus</b>		
Sheet: /		
File: stm32_hotswap_chiffre.kicad_sch		
<b>Title: Hotswap Chiffre</b>		
Size: A4	Date: 2023-07-13	<b>Rev: 0.2.2</b>
KiCad E.D.A.	kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11	Id: 1/3



sporkus

Sheet: /key matrix/

File: key\_matrix.kicad\_sch

**Title: Hotswap Chiffre**

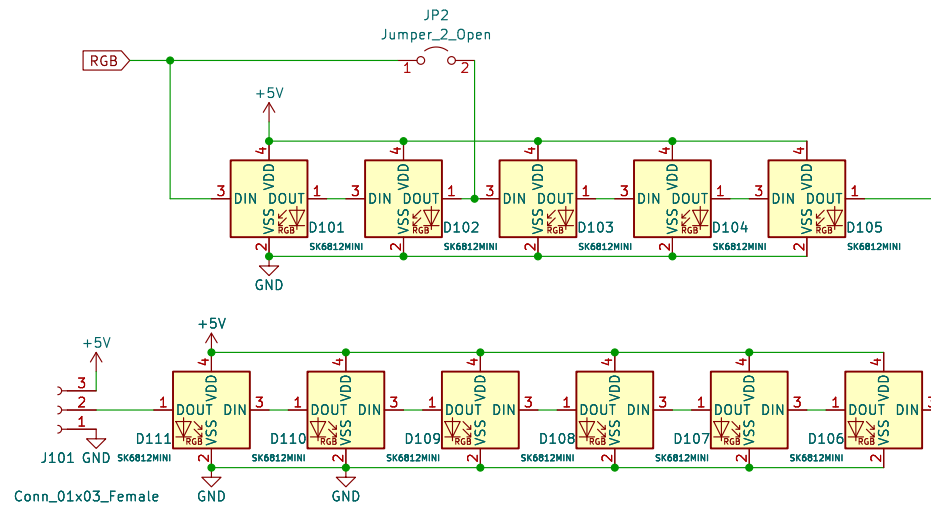
Size: A4

Date: 2023-07-13

Rev: 0.2.2

KiCad E.D.A. kicad-cli 7.0.5.1-1-g8f565ef7f0-dirty-deb11

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 7.0.5.1-1-g8f565ef7f0-dirty-deb11

**Rev: 0.2.2**  
Id: 3/3