

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):

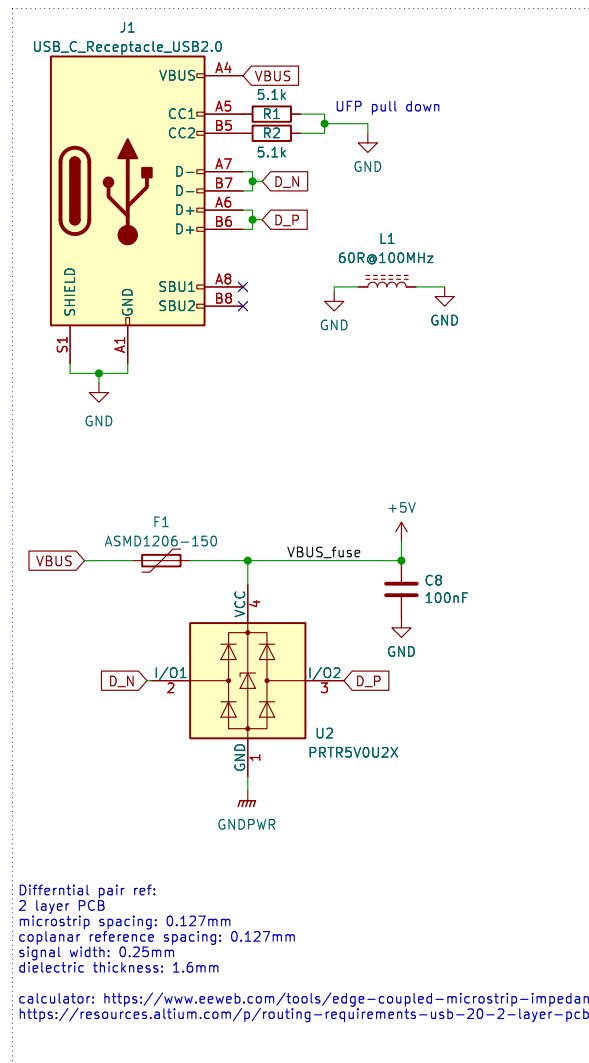
- row0 → A8
- row1 → B10
- row2 → B2
- row3 → B1
- EncA → B4
- EncB → B5
- SCL → B6
- SDA → B7
- RGB → A15

key matrix

File: key_matrix.kicad_sch

RGB leds

File: rgb.kicad_sch



U3
XC6206PxxxMR—Regulator_Linear

+5V +3V3

C11 1uF C12 1uF

VI 3 V0 2 GND 1

J2
OLED I2C

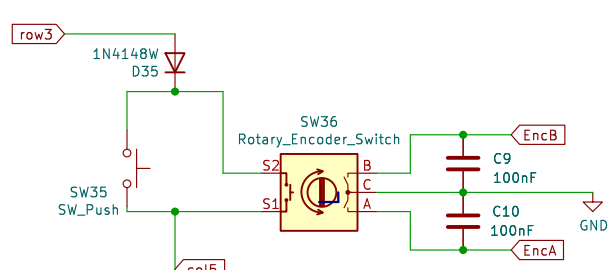
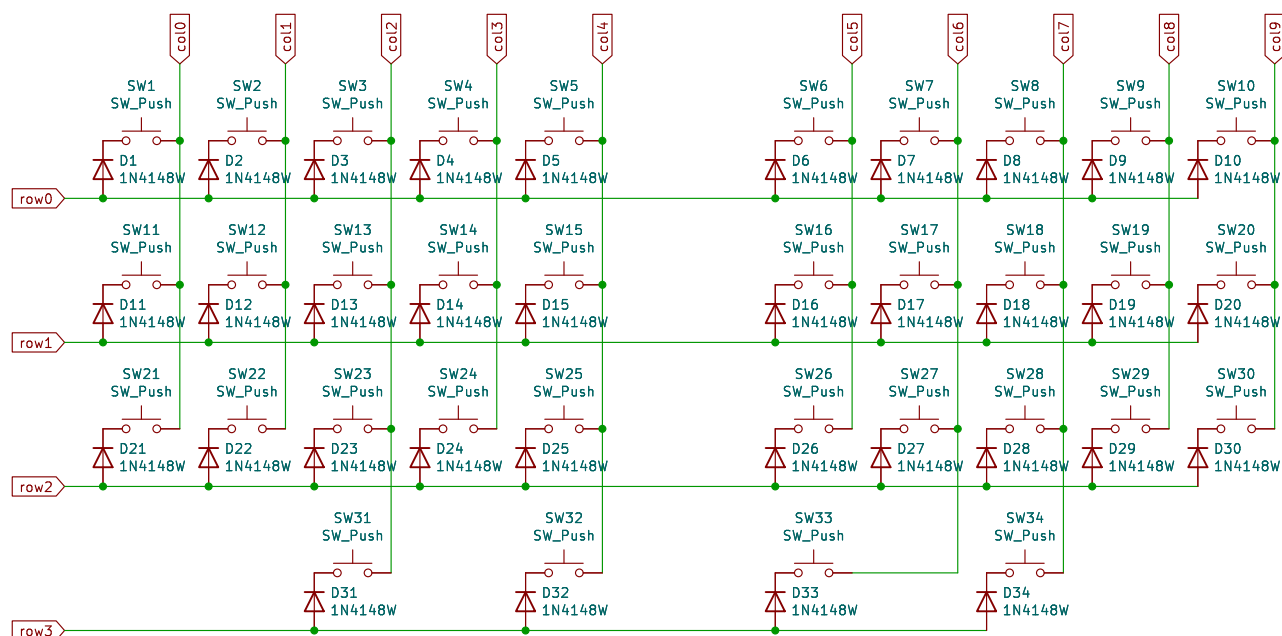
1 GND
2 +3V3
3 SCL
4 SDA

I2C pull-ups

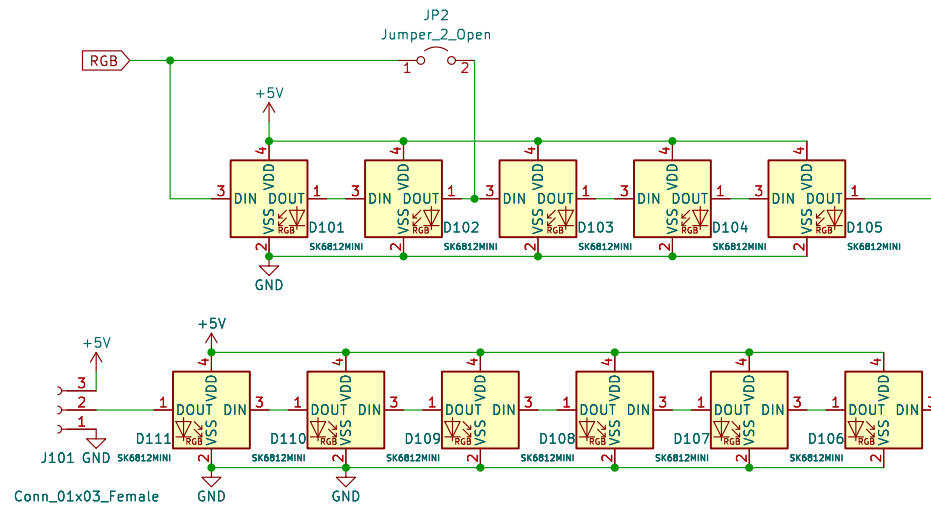
+3V3

R4 4.7k
R5 4.7k

SDA SCL



sporkus	
Sheet: /key matrix/ File: key_matrix.kicad_sch	
Title: Hotswap Chiffre	
Size: A4	Date: 2023-07-13
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sporkus

Sheet: /RGB leds/
File: rgb.kicad_sch

Title: Hotswap Chiffre

Size: A4 Date: 2023-07-13

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Rev: 0.2.2

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