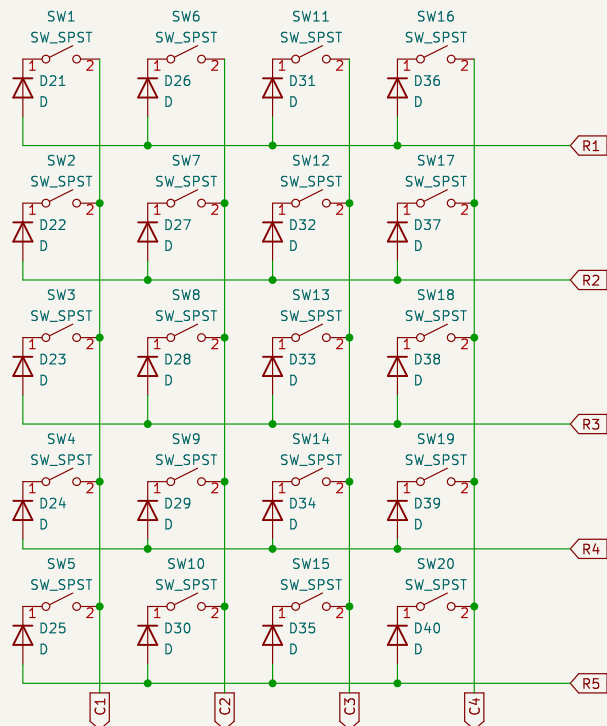
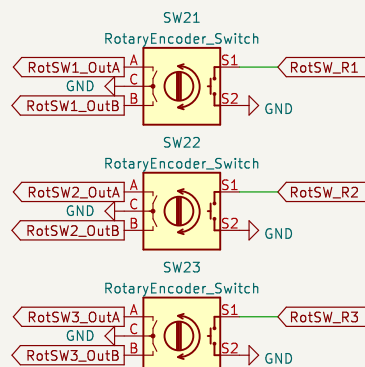


## Key switch Matrix

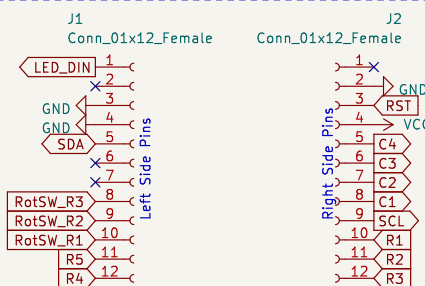
C (Columns) are the selector pins.  
R (Rows) are the output pins.  
Rx is pulled-up to VCC (through internal pull-ups)



## Rotary Encoders

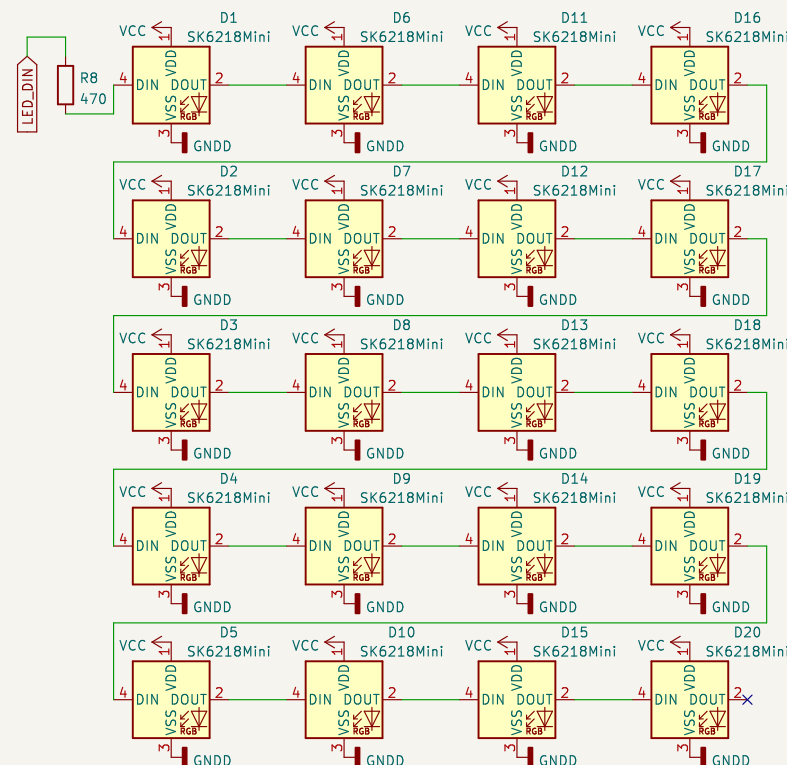


## MCU Headers [ Bit-C ]

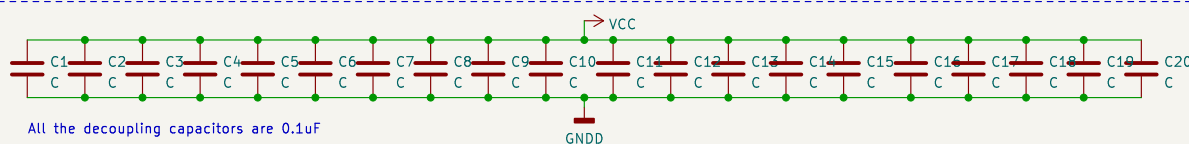


## Neopixel Key Lighting Matrix

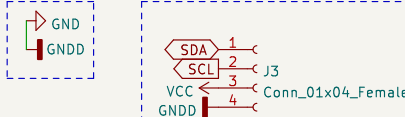
WS2812B Schematic block is shown but an SK6812 footprint style is used.



## Decoupling Capacitors for Neopixels



## OLED Display



4x5 MX Switch Matrix  
3x1 Rotary Encoder Switch Matrix  
Black PCB  
Designed by Joseph

Sheet: /  
File: HaloHalo\_Numpadv2.kicad\_sch

**Title: Halo-Halo Numpad**

Size: A4 Date: 2022-02-03  
KiCad E.D.A. kicad (6.0.0)

Rev: 1  
Id: 1/1