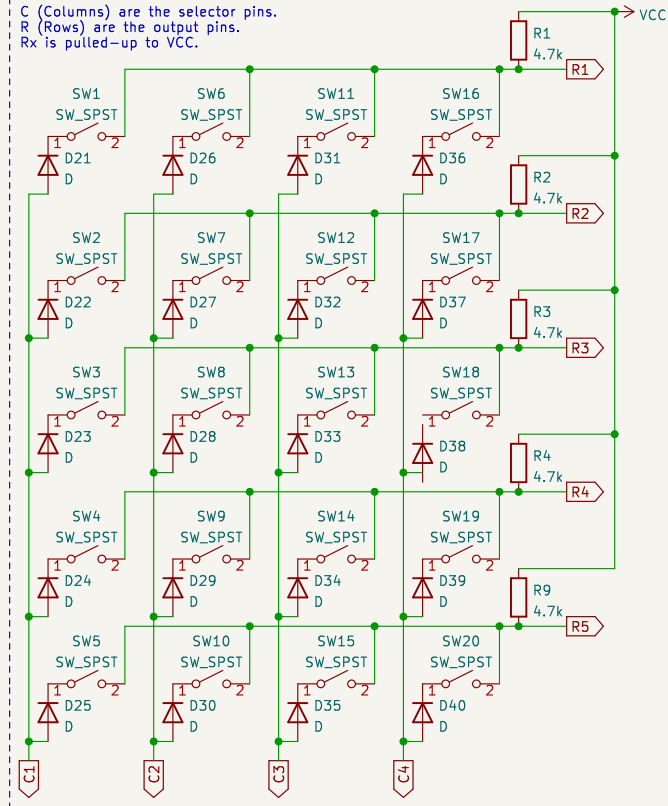
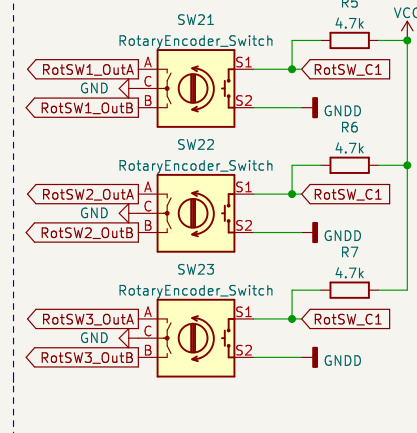


### Key switch Matrix

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

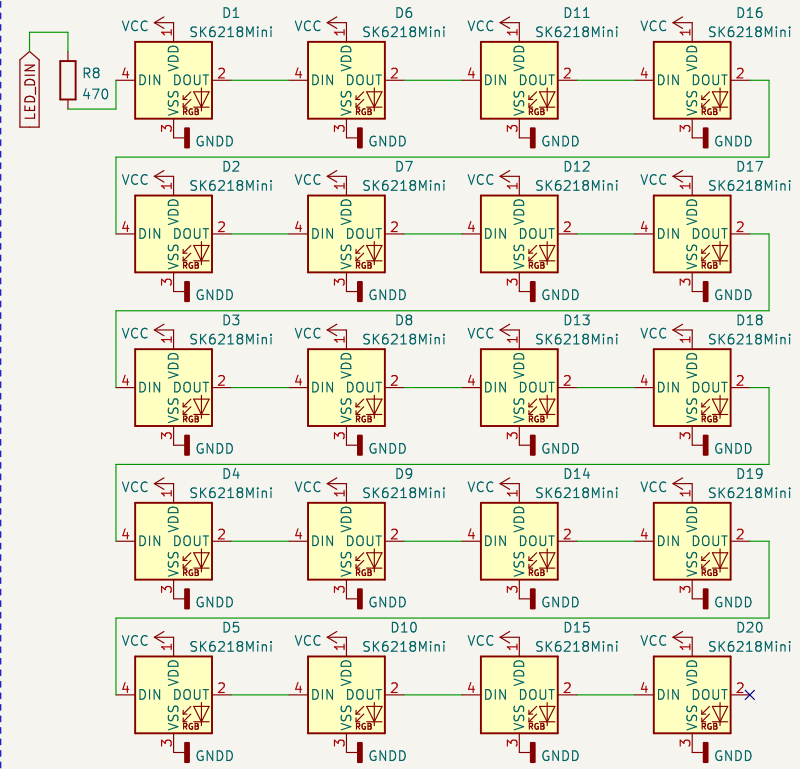


### Rotary Encoders

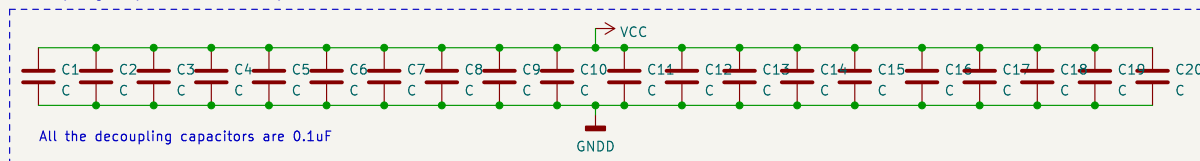


### Neopixel Key Lighting Matrix

WS2812B Schematic block is shown but an SK6218Mini footprint style is used.



### Decoupling Capacitors for Neopixels



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: 2022-01-30  
KiCad E.D.A. kicad (6.0.0)

**Rev: 1**  
Id: 1/1