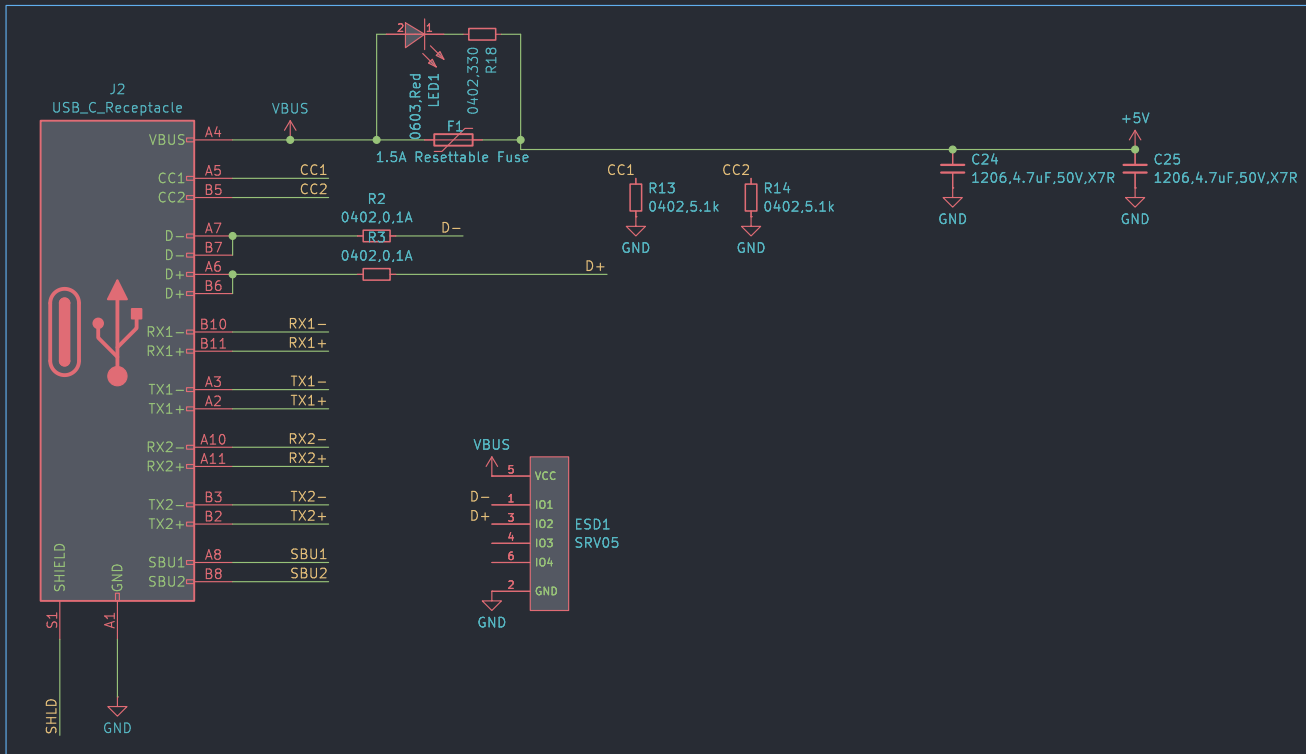
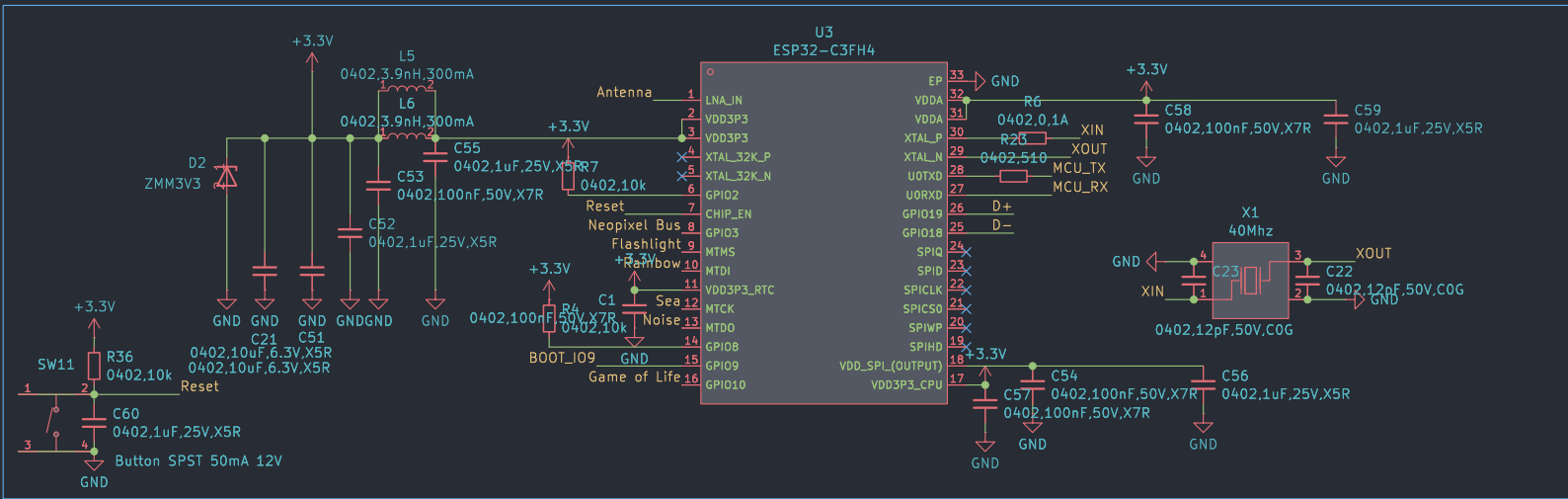


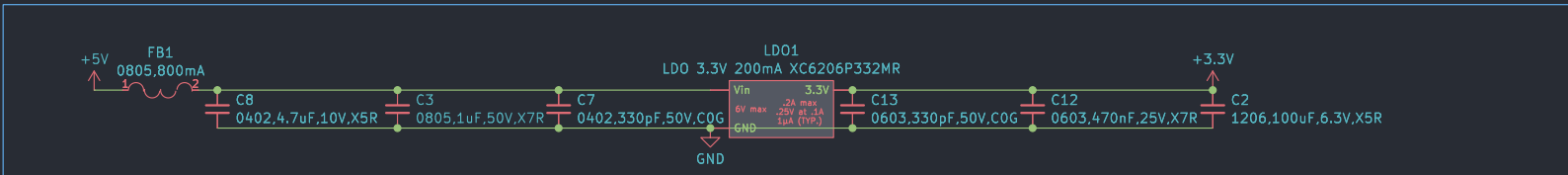
USB-C



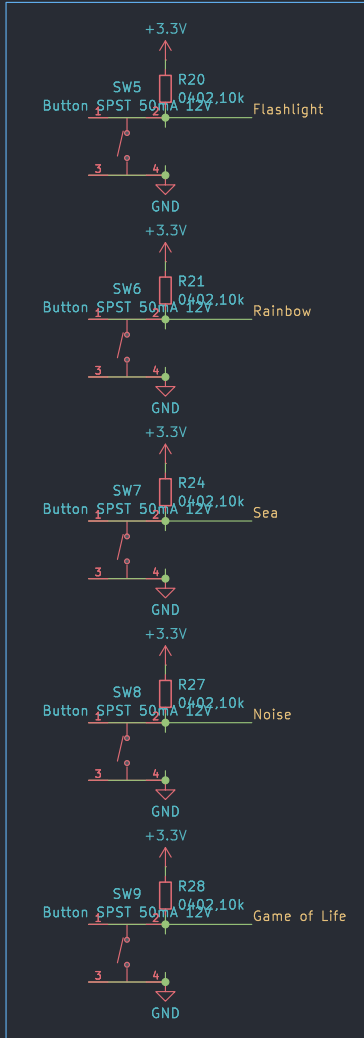
ESP32C3



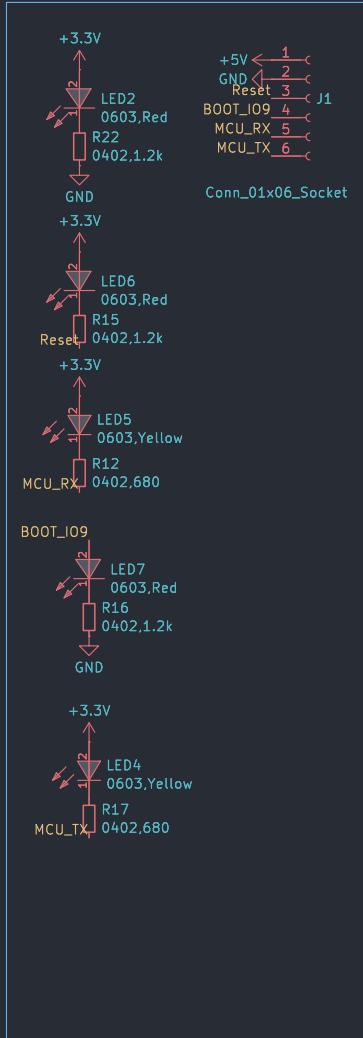
3V3 Rail



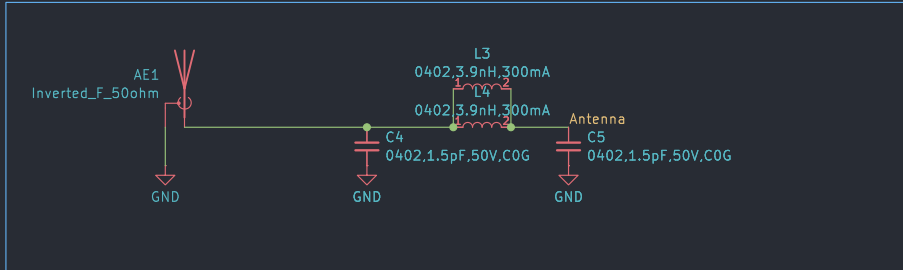
Buttons



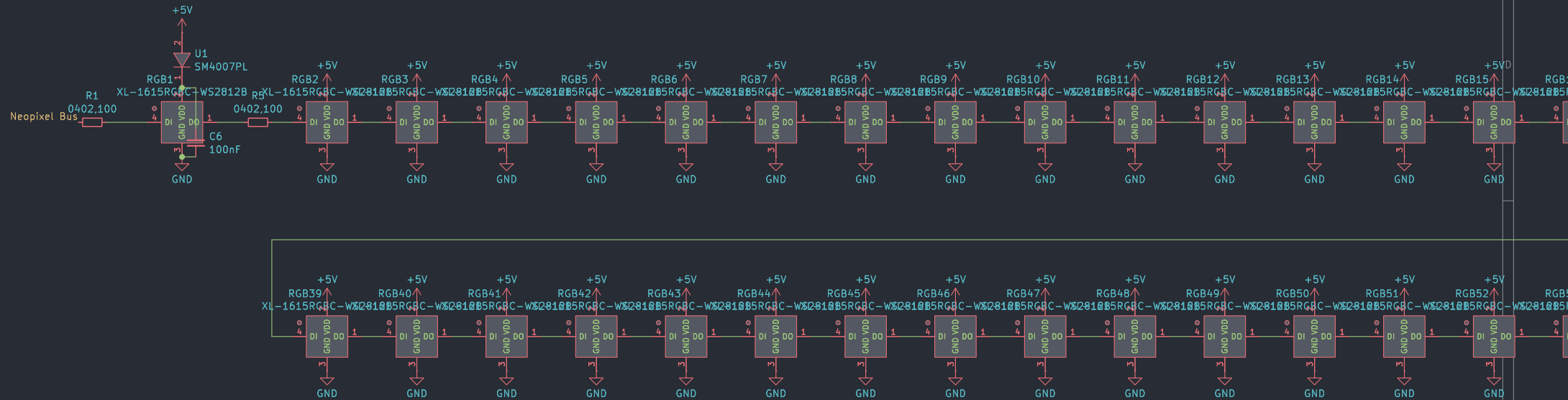
Prog



Antenna Matching



ESP32C3  
RISC-V Single-Core CPU  
2.4 GHz Wi-Fi (802.11b/g/n) and Bluetooth® 5 (LE)  
4 MB flash in the chip's package  
QFN32 (5×5 mm) package



7 x 9 Led Matrix (63 Leds + 1 Level Shifter Led)  
~5mA per Channel per LED = ~0.95A Total at Full White  
ESP32C3 max power (802.11b, 1 Mbps, @21 dBm) ~0.34A

Theoretical Max Current = 1.29A

Chris Dirks  
Kee Studios

Sheet: /  
File: WLED Matrix.kicad\_sch

Title: WLED Matrix

Size: A3 Date: 2024-07-29  
KiCad E.D.A. 8.0.4

Rev: 1.0  
Id: 1/1