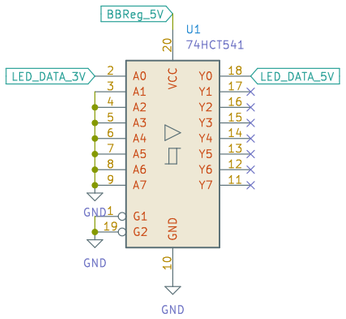
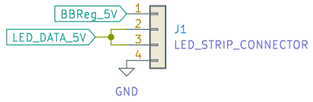
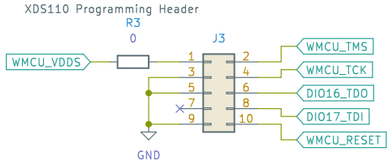
LED Strip Connection/Level Shifter



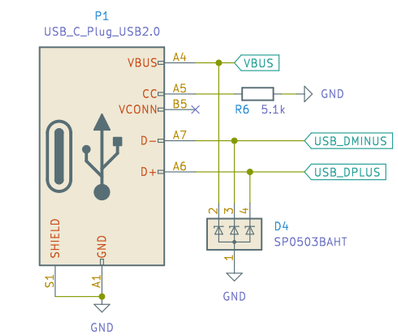
LED Strip Connector



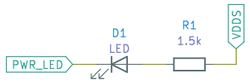
XDS110 Programming Header

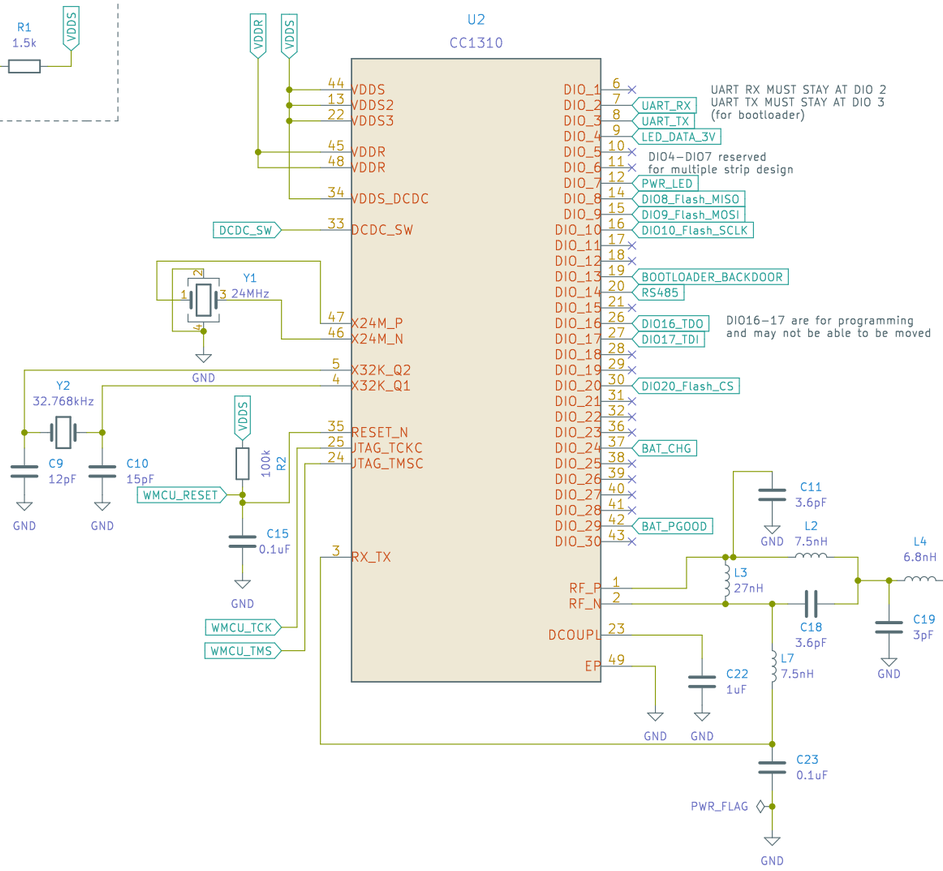


USB Connector

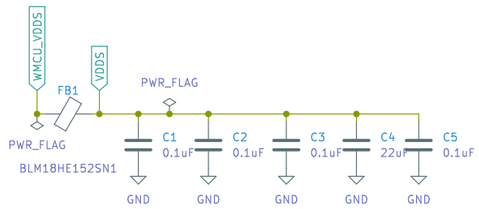


Programmable Power/Status LED

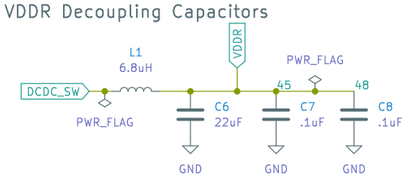




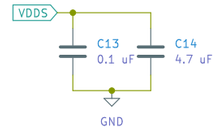
VDDS Decoupling Capacitors



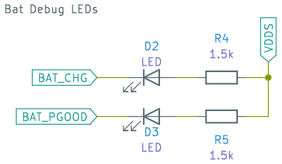
VDDR Decoupling Capacitors



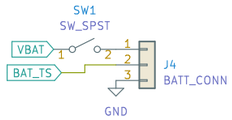
Decoupling Caps for U6 (USB)



Bat Debug LEDs

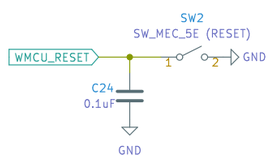


Battery Connector and Switch

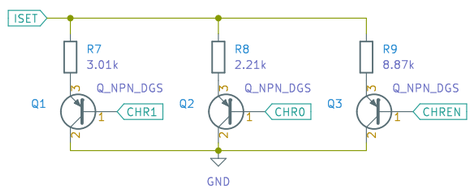


Potentially could use a diode to bypass the switch when plugged in to power. Althoug this might cause bigger issues. Chew on it.

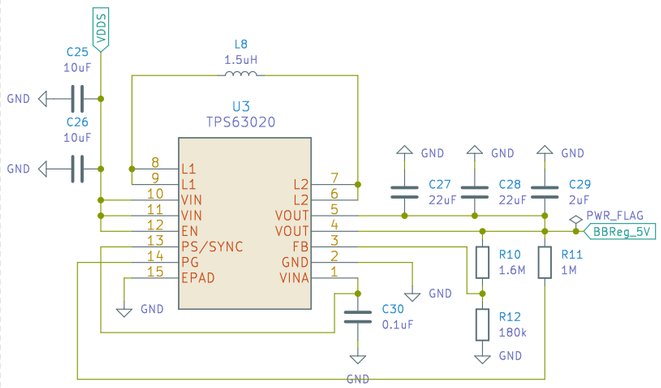
Reset Switch



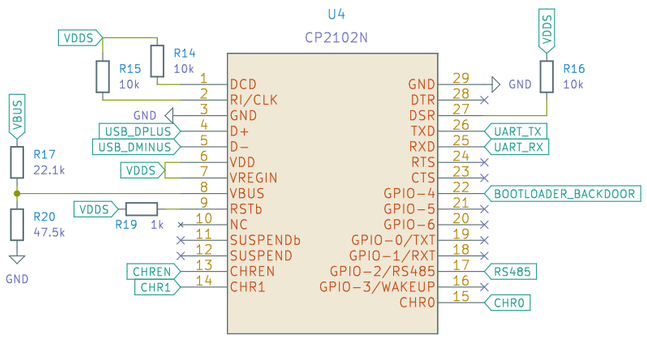
Dynamic Charge Current



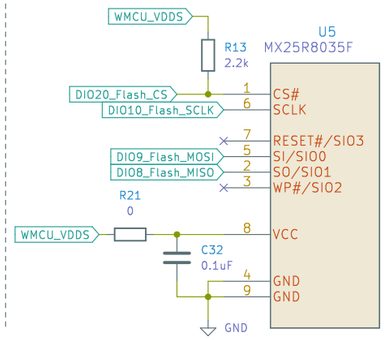
Buck Boost Regulator (5V)



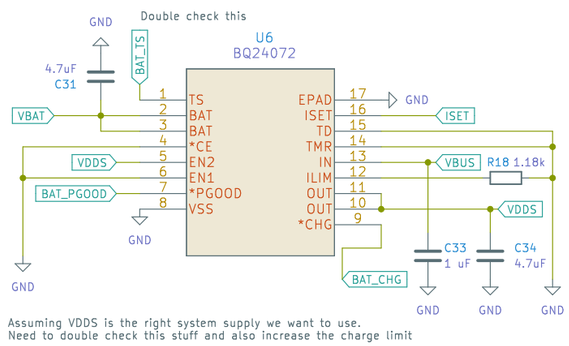
USB Programmer/Serial



External Flash Chip



Battery Charger/Power Regulator (3.3V)



Assuming VDDS is the right system supply we want to use.
Need to double check this stuff and also increase the charge limit

Sheet: /		
File: Emrick.kicad_sch		
Title: Project Emrick Light Strip		
Size: A3	Date: 2022–10–10	**Rev: 1**
KiCad E.D.A. kicad (6.0.8)		Id: 1/1