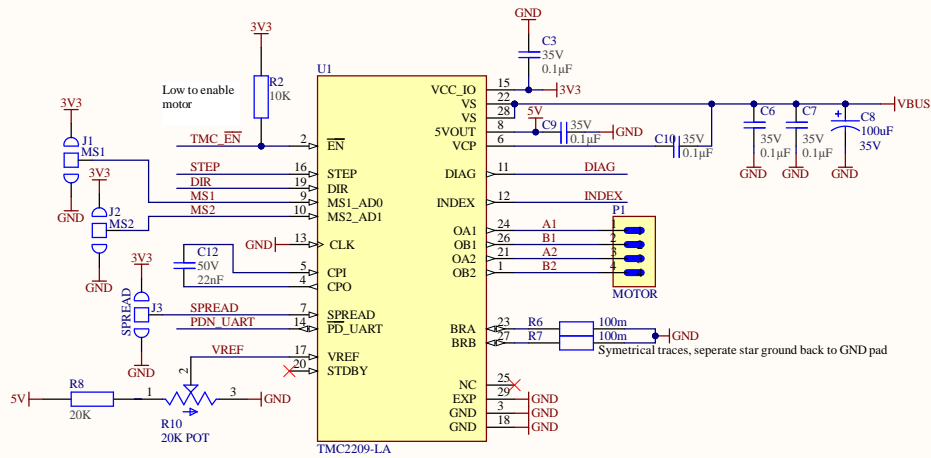
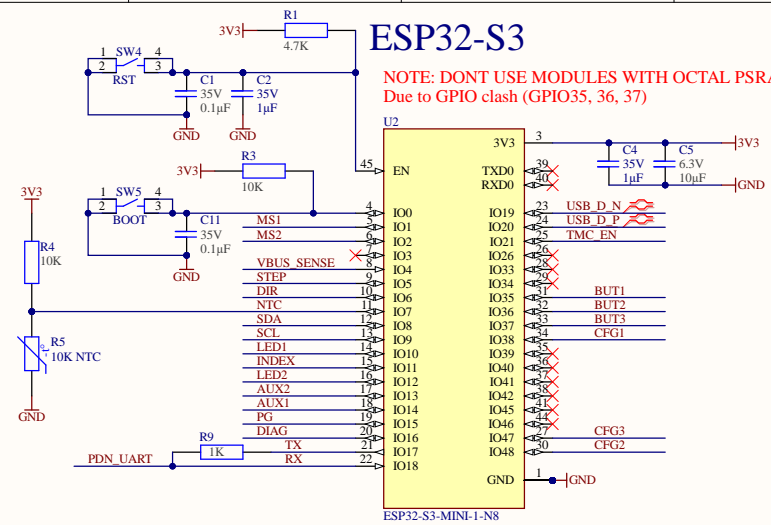


STEPPER DRIVER

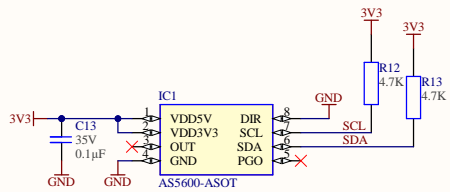


ESP32-S3

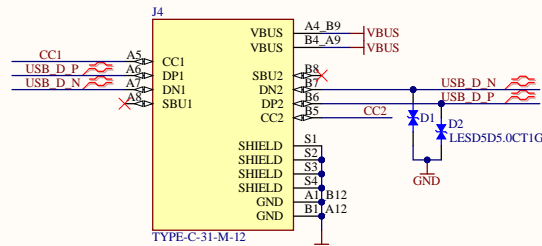
NOTE: DONT USE MODULES WITH OCTAL PSRAM
Due to GPIO clash (GPIO35, 36, 37)



HALL SENSOR



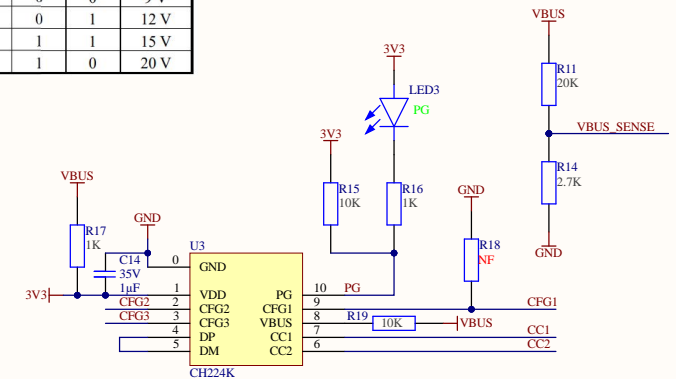
USB C



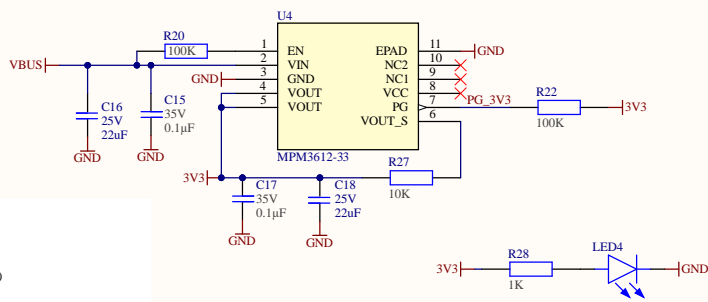
USB PD

Voltage table, will be 20V if all high-Z

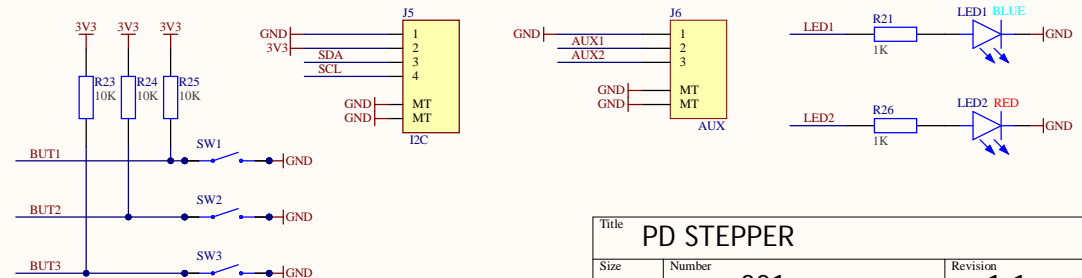
CFG1	CFG2	CFG3	Request-voltage
1	-	-	5 V
0	0	0	9 V
0	0	1	12 V
0	1	1	15 V
0	1	0	20 V



3V3 CONVERTER



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REV Notes

REV 1.1 Changes:

- Connected TMC CLK Pin to GND
- LED Colour Change
- LED Series RES Change (Dimmed)

Title	PD STEPPER
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Size A3	Number 001	Revision 1.1
Date:	6/20/2024	Sheet 1 of 1
File:	C:\Users\...\USB PD Stepper Controller.Sch Drawn By: Josh R	