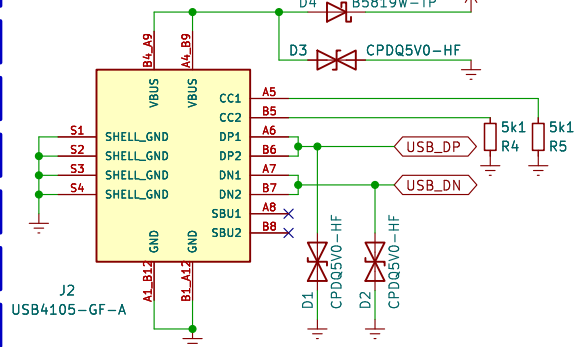
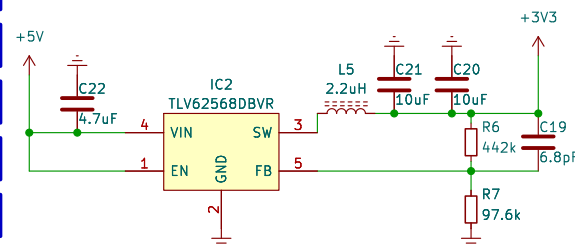


USB Type-C Connector



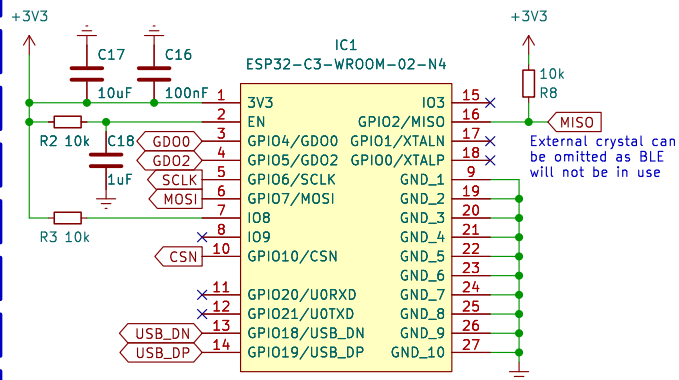
DC-DC Buck Converter (5V to 3V3)



$$3.3\text{ V} = 0.6 \cdot (1 + R1/R2) \text{ V} \approx 0.6 \cdot (1 + 442/97.6) \text{ V}$$

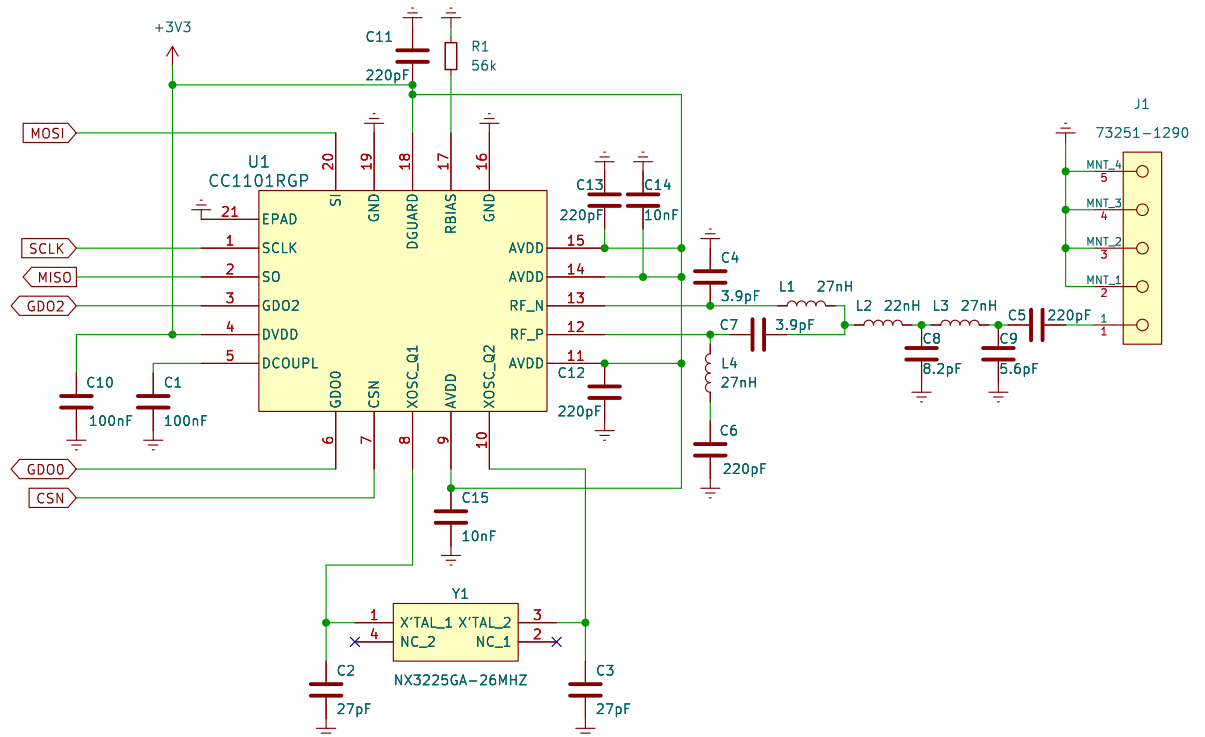
Using R1=442kOhm & R2=97.6kOhm

ESP32-C3-WROOM Module



Strapping Pins (reset condition):
 - GPIO 2 MUST have an external PULL-UP
 - GPIO 8 MUST have an external PULL-UP
 - GPIO 9 internal weak PULL-UP

CC1101 Radio Module w/ SMA Connector



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File: CoralWave.kicad_sch

Title: CoralWave

Size: A4 Date: 2023-08-22

KiCad E.D.A. kicad 7.0.7-7.0.7-ubuntu23.04.1

Rev: 1.0

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