DAC

MCU

AMP

C2913201 - built-in antenna
C3013946 - external antenna

New pinout for I2C!
No DAC_EN, only AMP_EN

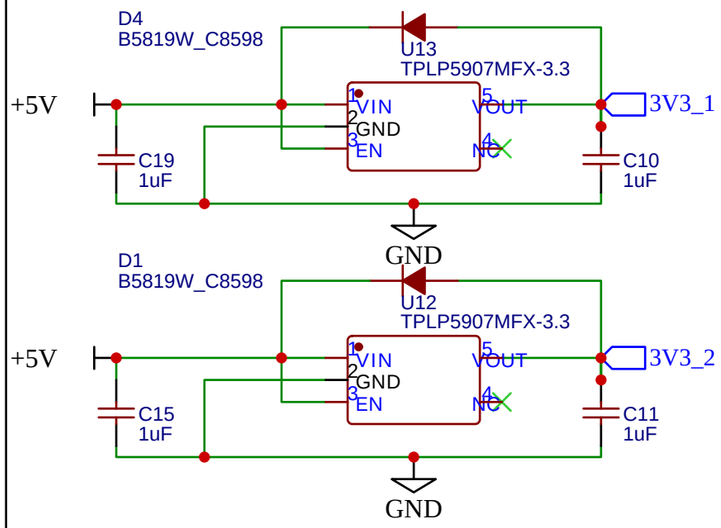
PLIMIT -> GVDD - clipper off
GAIN -> 100/20 - 26dB / 30k
FAULT -> SD - Auto shutdown

MUTE -> high - HIGH-Z
DAC_EN -> high - PLAY

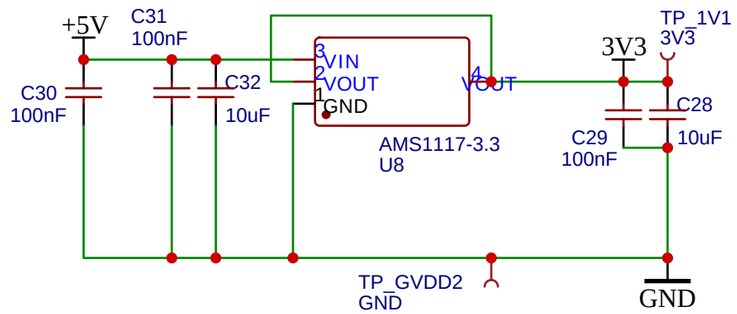
LOW - LOW LOSS MODE (DEFAULT), HIGH - BD MODE

TITLE: Amped ESP32 S3 Plus (PCM5122 + TPA3128)	REV: A
Company: Sonocotta	Sheet: 1/3
Date: 2026-01-03 Drawn By: andriy@sonocotta.com	

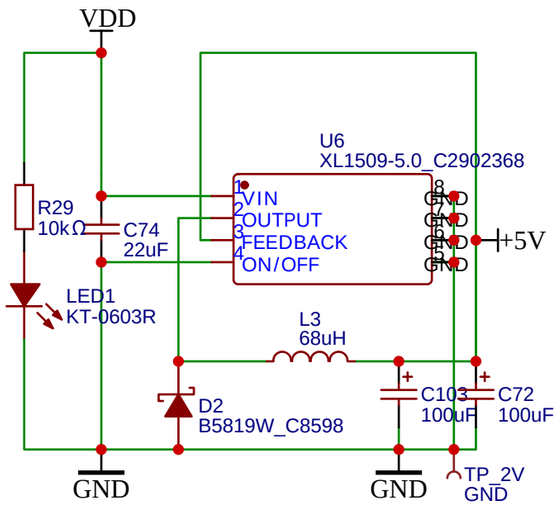
ANALOG POWER



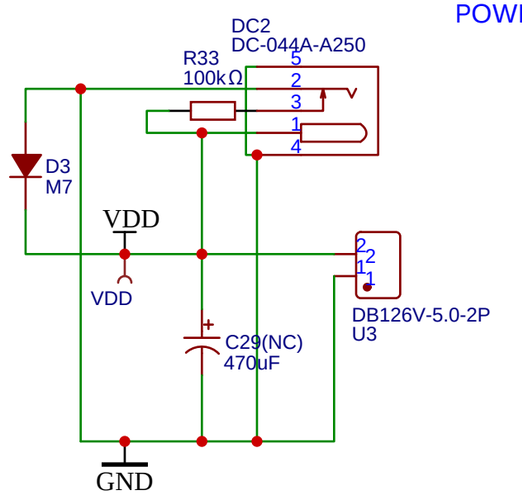
DIGITAL POWER



5V DROP DOWN



POWER IN



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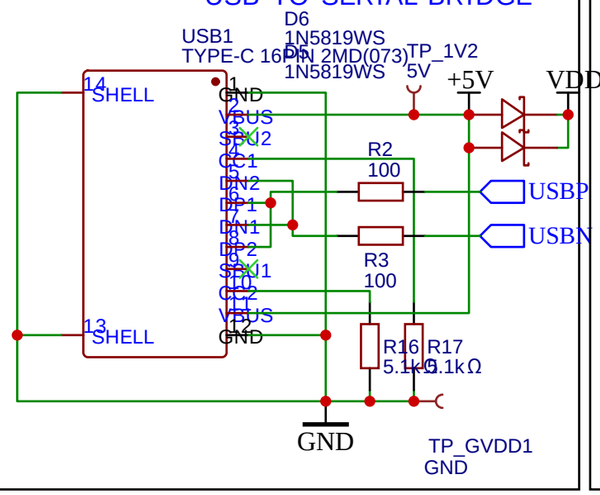
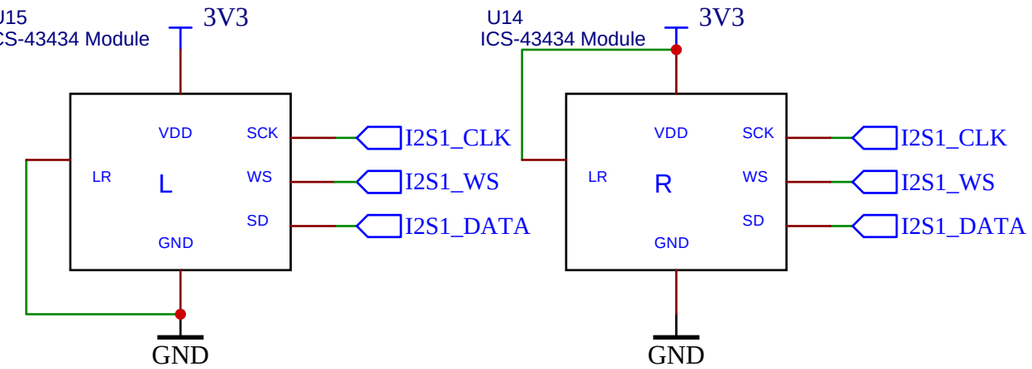
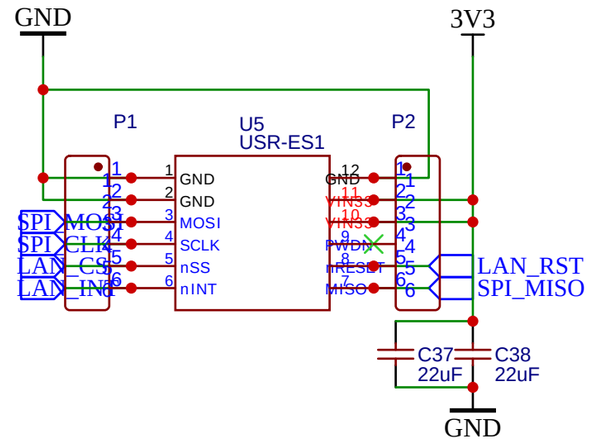
USB-TO-SERIAL BRIDGE



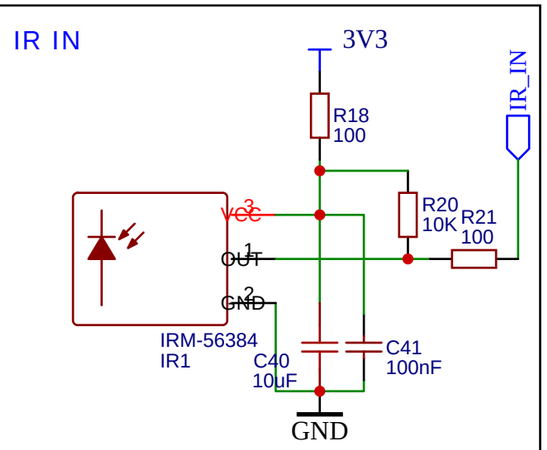
MIC HDR

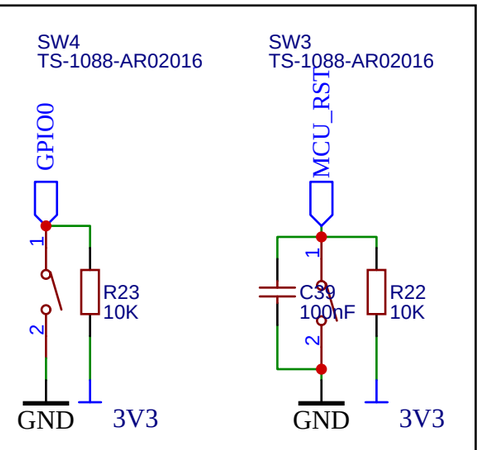


USR-ES1 LAN module (W5500)

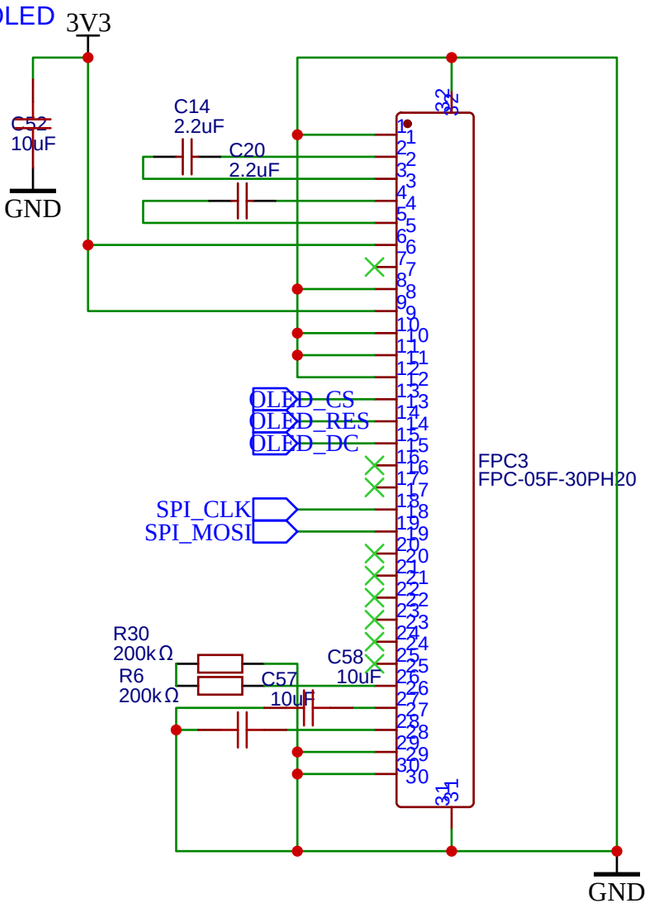


IR IN

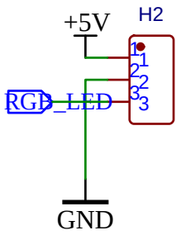




30Pin OLED



RGB LED header



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