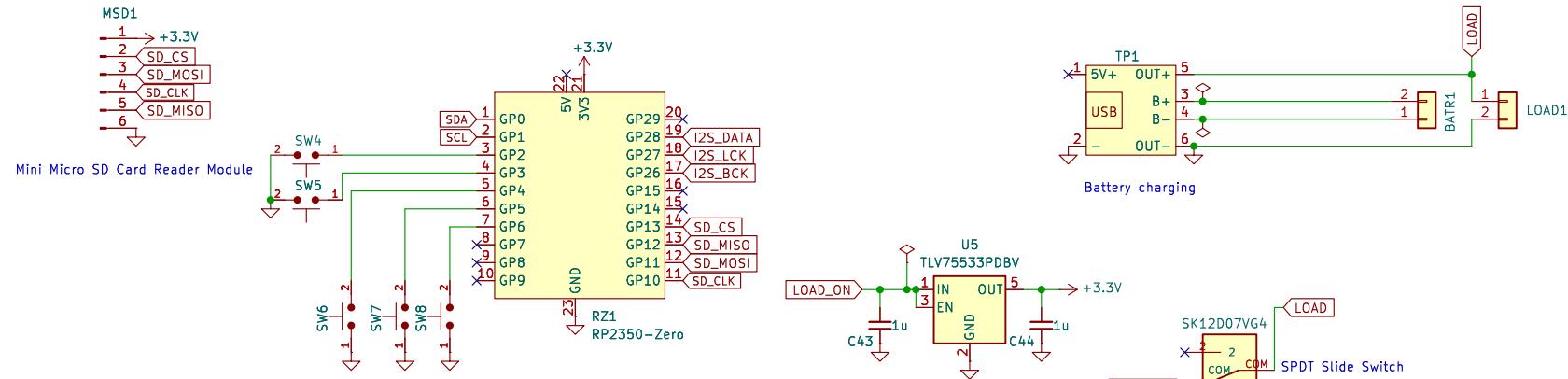


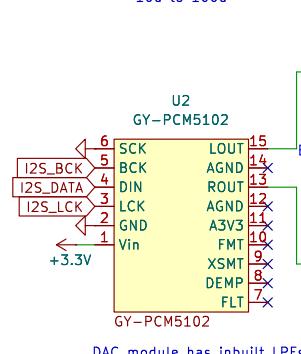
1 2 3 4 5 6

A

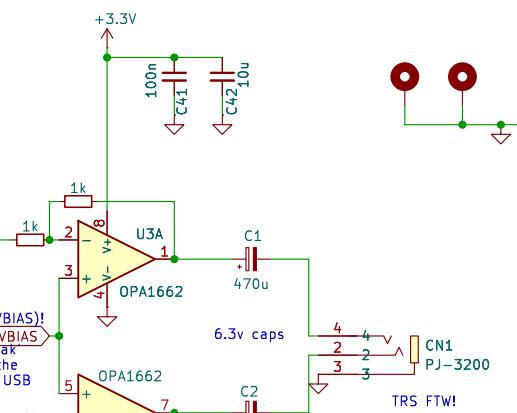


<https://www.analog.com/en/resources/app-notes/an-581.html>
AN-581: Biasing and Decoupling Op Amps in Single Supply Applications

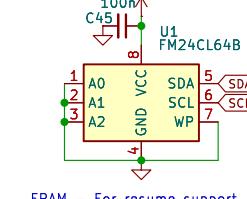
100nF by itself is NOT enough! Op-amp in a single supply operation has a ruined PSSR without bypass caps!



DAC module has inbuilt LPFs



Note: INA1620 has gain set to 2.
Many opamps may NOT be unity gain stable, so have some gain (<= 2)!
Even a gain of 2 can be too much for Aria 2 (-33 ohms) earphones!
With PCM5102A, we can have max. gain of 1 here!



FRAM – For resume support

Retro Music Player (Retro DAP)
Yantra Research

Sheet: /
File: player.kicad_sch

Title: mShuffle 0.05

Size: A4 Date: 2025-03-05
KiCad E.D.A. 9.0.0

Rev: v0.05
Id: 1/1

D

D

1 2 3 4 5 6