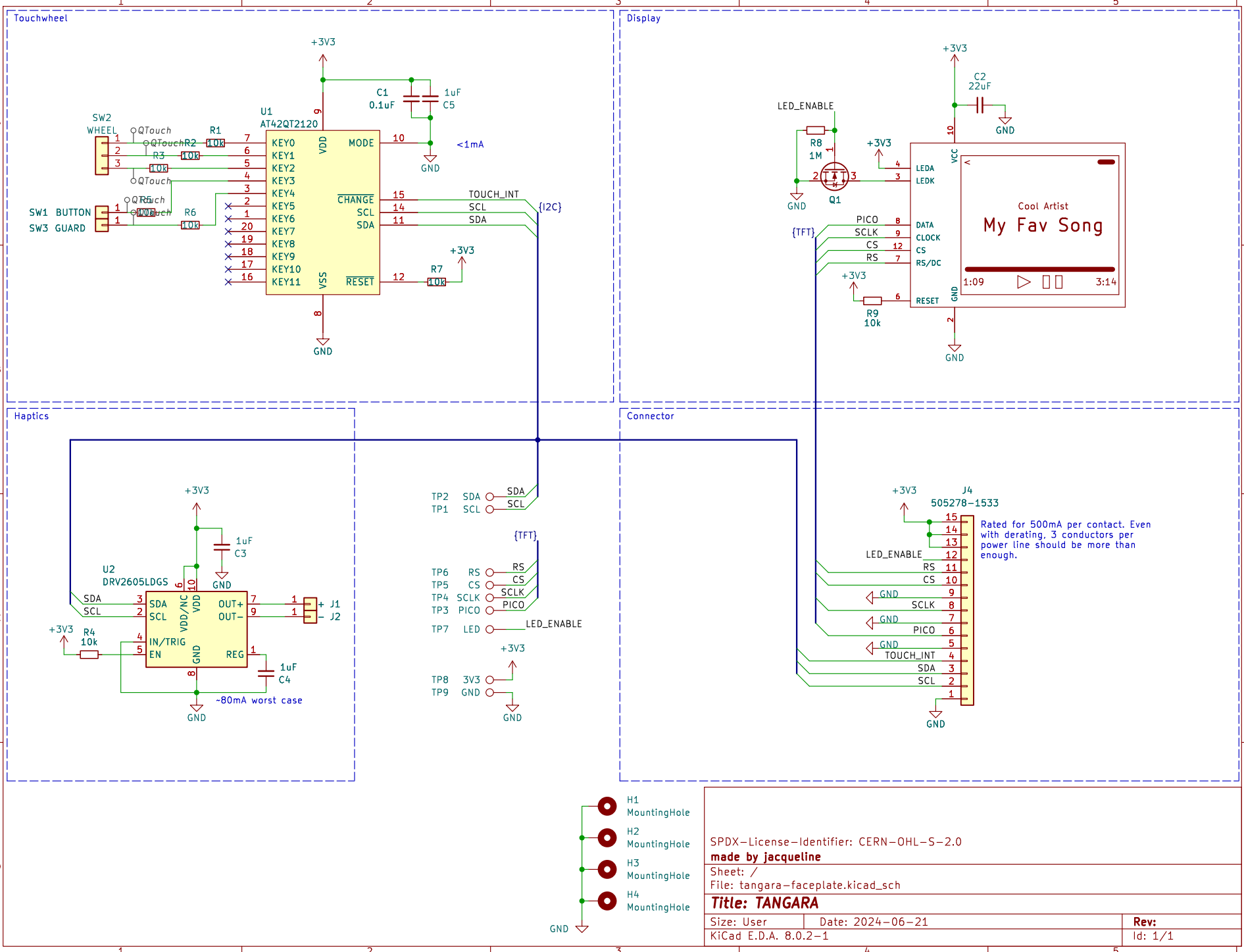




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Sheet: /

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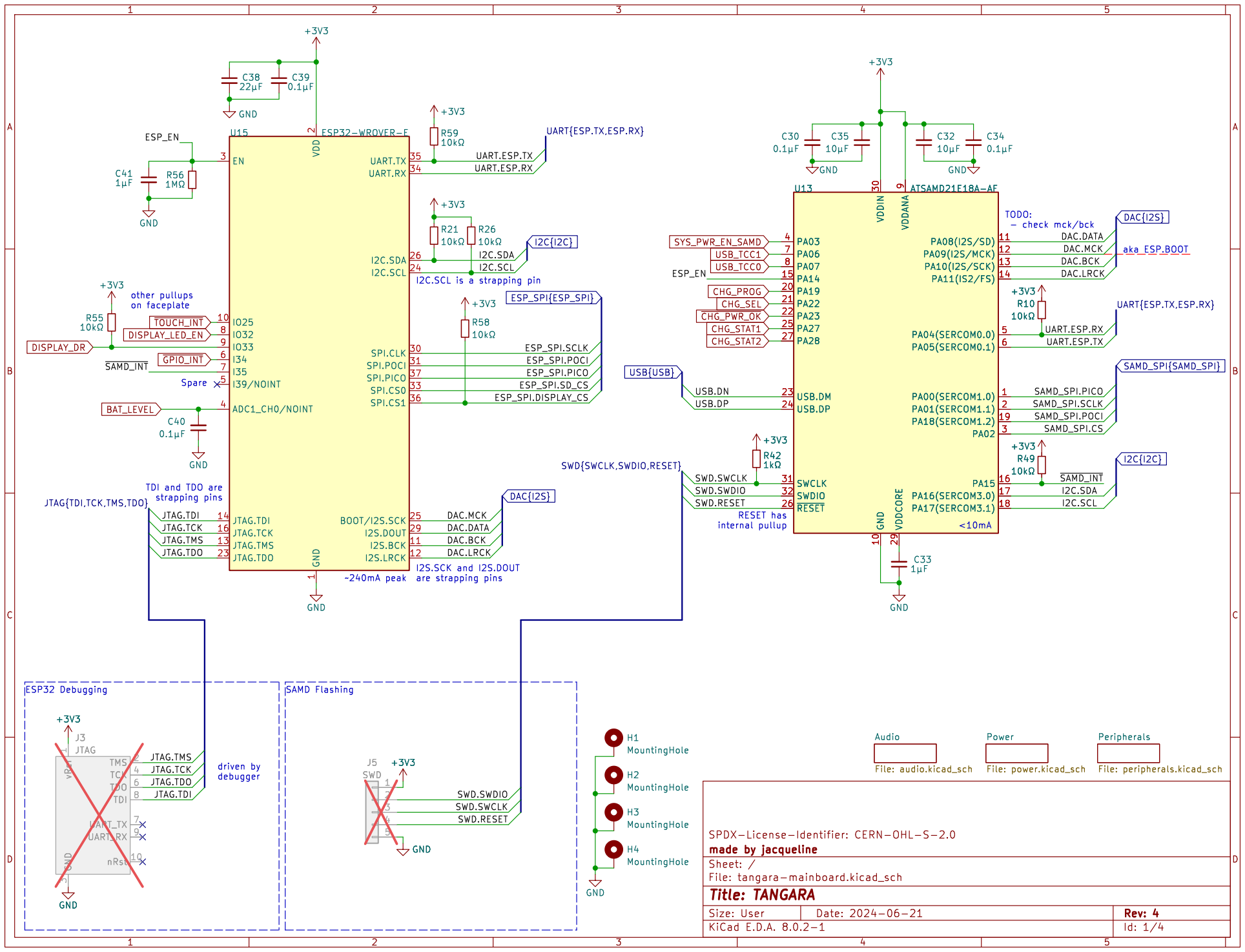
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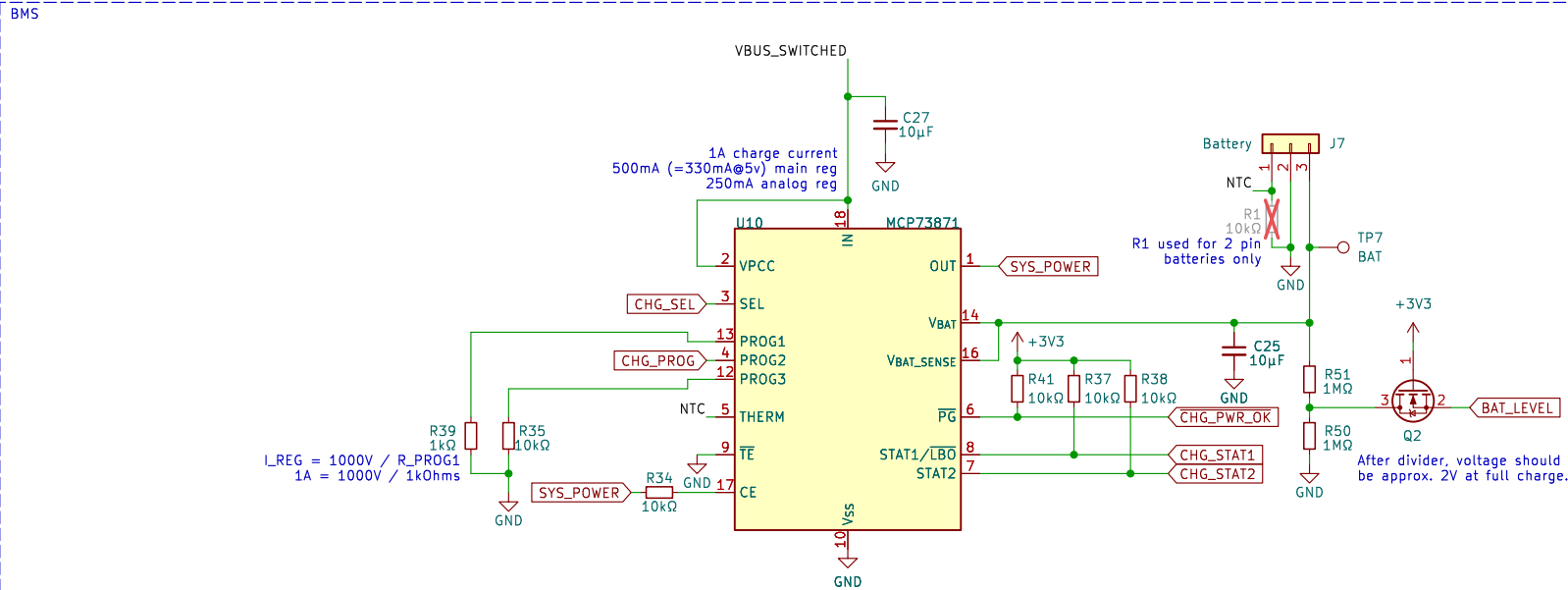
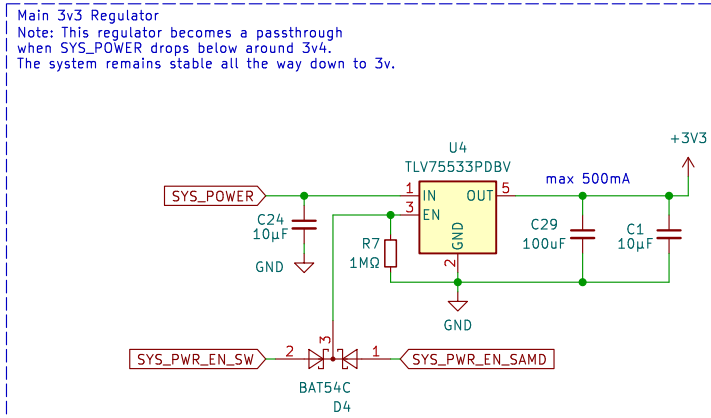
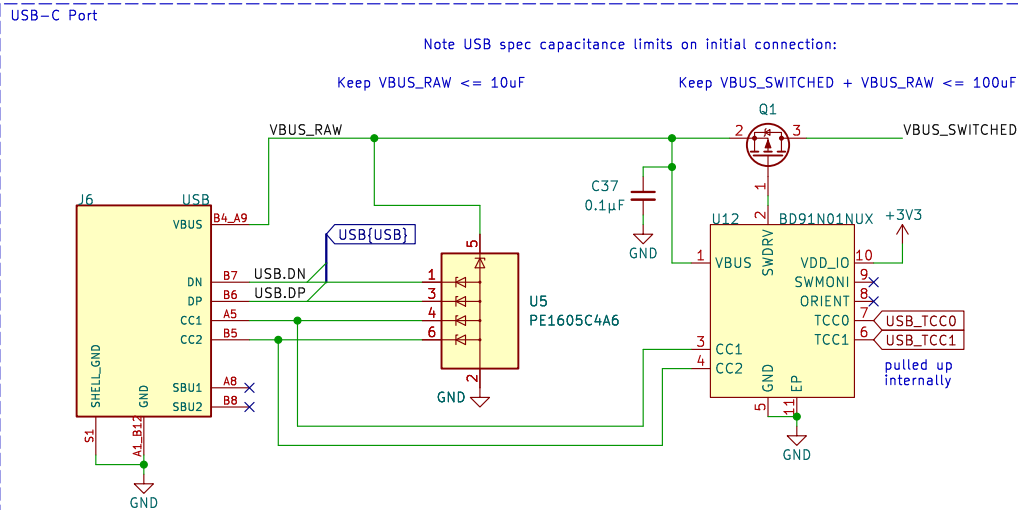
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Size: User Date: 2024-06-21

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Rev: 4

Id: 2/4

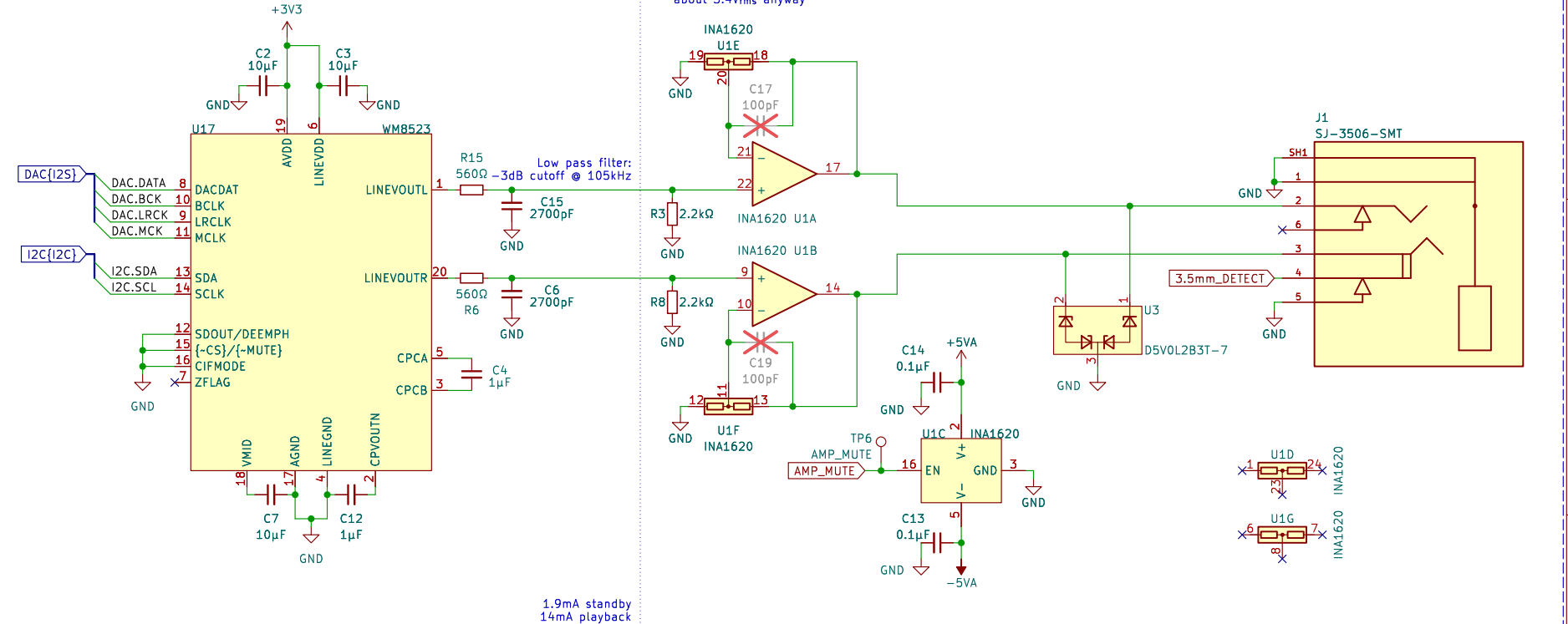
Audio Chain

Stage 1:

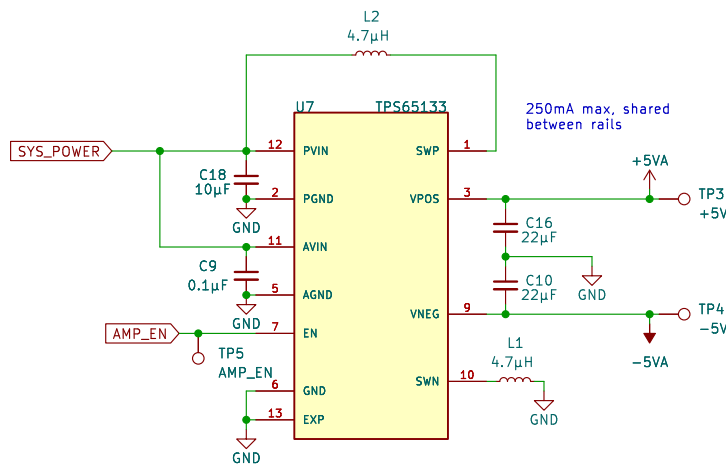
- outputs max 2 Vrms, ground-centred
- max 24bit/192KHz over I2S
- digital volume control over I2C

Stage 2:

- amplify: 2G = 4Vrms max
- $\pm 5V$ power supply, 0.2V rail-to-rail swing means we can't reach more than about 3.4Vrms anyway



Split Rail Regulator -- +5V/-5V, 250mA



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Sheet: /Audio/

File: audio.kicad_sch

Title: TANGARA

Size: User

Date: 2024-06-21

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Rev: 4

Id: 3/4

