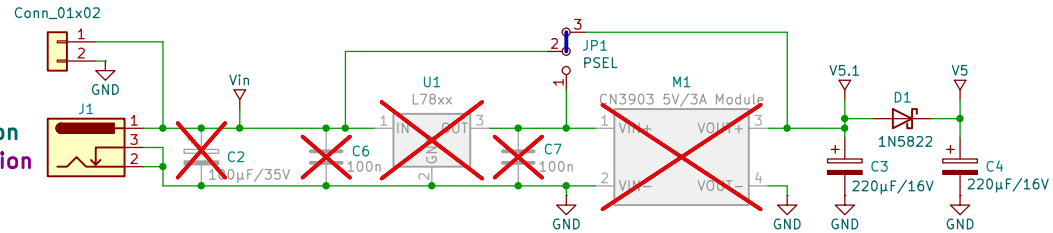
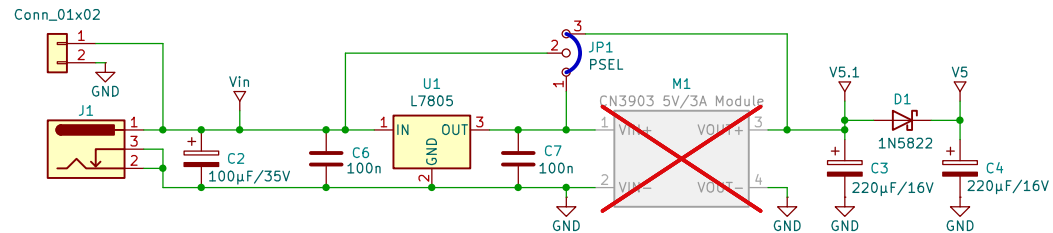


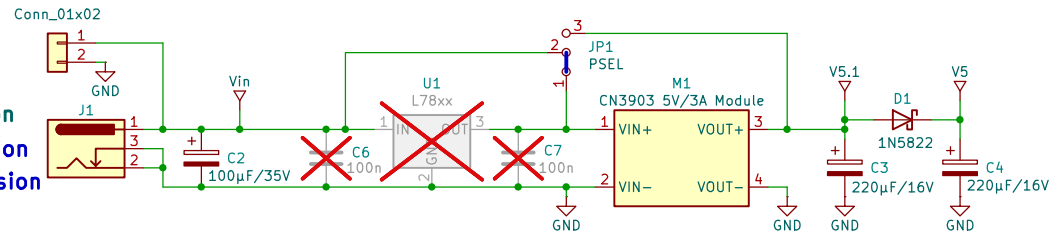
5 VDC / 0.5 A for line out version
5 VDC / 3 A for power amp version



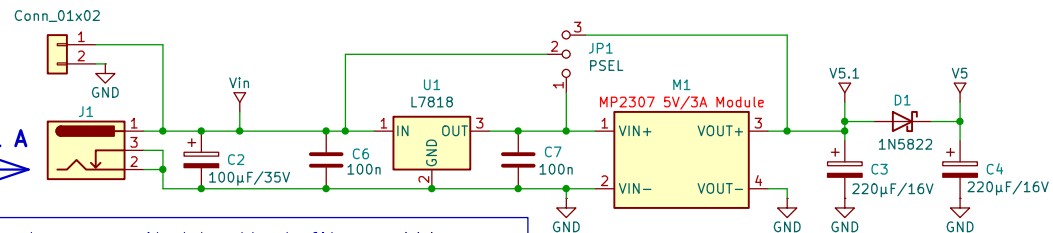
8–12 VDC / 0.5 A line out only



8–36 VDC / 0.5 A for line out version
8–12 VDC / 3 A for power amp version
12–36 VDC / 1 A for power amp version



21–36 VDC / 1 A



Note: There are alternative DC–DC converters available that fit on M1. Some of these alternatives tolerate a lower maximum input voltage. Therefore, check the module's datasheet to see if your power supply does not exceed this maximum voltage. If your power supply is higher, the input voltage on M1 can be reduced by means of U1. In this example, the voltage is reduced to 18V, so a module based on an MP2307 can be used. Always check for yourself, which regulator can be best used for U1.

Power supply suggestions

Sheet: /
File: ESP32–MUSIC–PLAYER–V1–power–options.kicad_sch

Title: ESP32 Music Player

Size: A4 Date: 2024–09–19

KiCad E.D.A. 8.0.3

Rev: v1.0

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