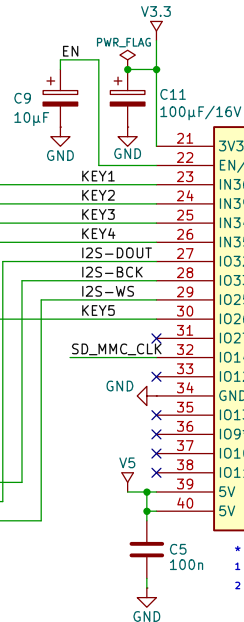
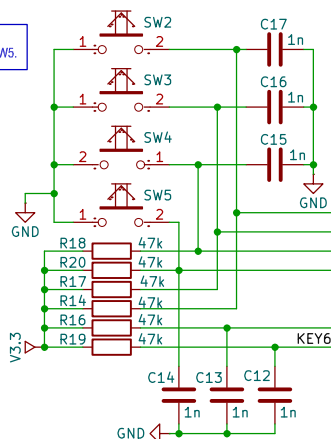
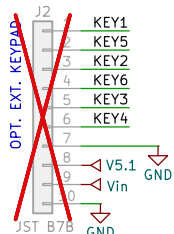
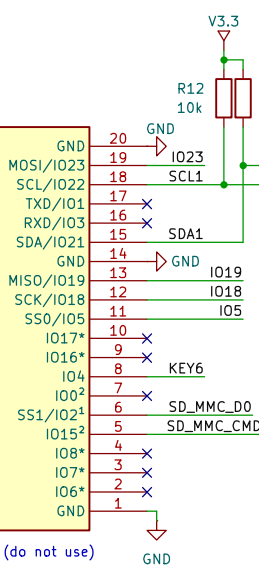


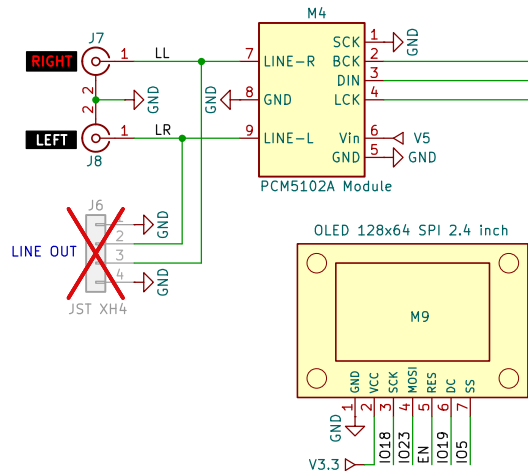
All switches are mounted on back side of PCB.
Use types with sufficient long shafts for SW2-SW5.



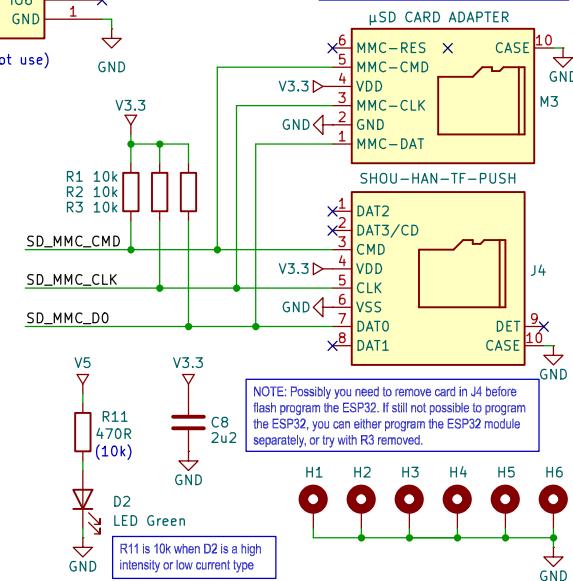
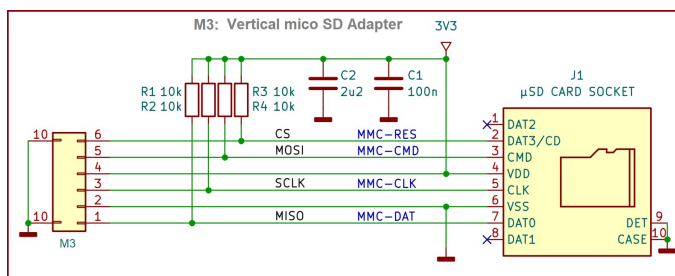
M2
ESP32-WROVER-CAM-40P



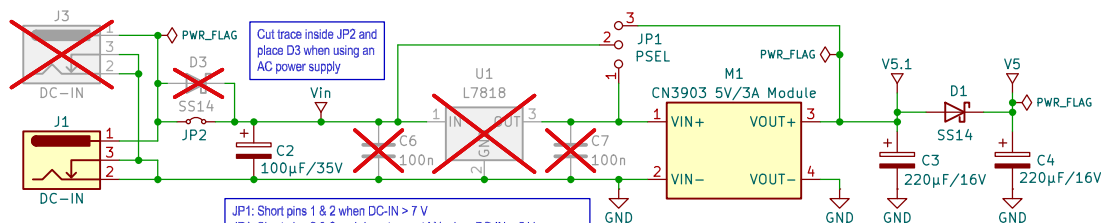
NOTE: Freenove ESP32-Wrover CAM Board V3.0 has an SD-Card connector on the module. You can use this slot instead of J4, M3, R1-R3 are not placed in that case. When using M3, you can also use the resistors on the adapter instead of R1-R3.



Mount M9 on back side of PCB, with plastic spacers outer Ø 5 mm, inner Ø 3mm, height 6 or 7 mm. Use M2.5 screws with small heads.



NOTE: Possibly you need to remove card in J4 before flash program the ESP32. If still not possible to program the ESP32, you can either program the ESP32 module separately, or try with R3 removed.



JP1: Short pins 1 & 2 when DC-IN > 7 V
JP1: Short pins 2 & 3 and do not mount M1 when DC-IN = 5 V
REM: Some non CN3903 modules have 18 V maximum input voltage. So, when DC-IN > 18 V, use U1 to lower the input voltage of M1 by placing C6, C7, U1 and remove any short in JP1

Sheet: /
File: ESP32-MUSIC-PLAYER-MINI-V5-Strapubox.kicad_sch

Title: ESP32 Music Player Mini

Size: A4
KiCad E.D.A. 8.0.9

Rev: v1.5
Id: 1/1