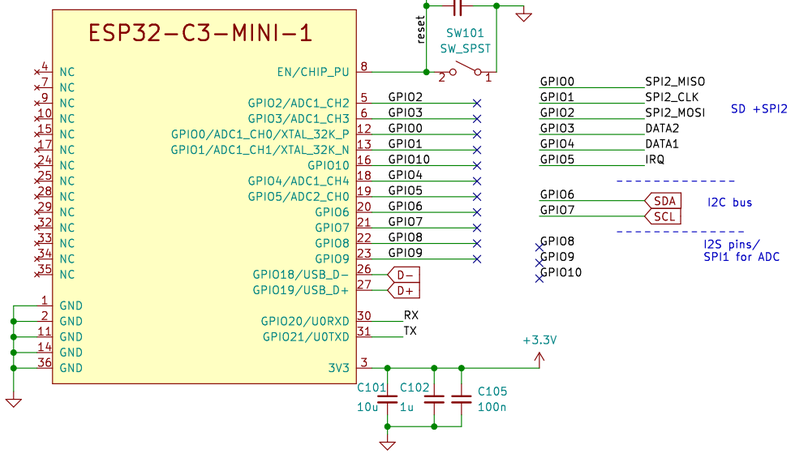
acording to DC doc:
https://docs.espressif.com/projects/esp-idf/en/latest/esp32/api-reference/peripherals/sdmmc_host.html

https://www.espressif.com/sites/default/files/documentation/esp32-c3_hardware_design_guidelines_en.pdf
anteena is on the left
pull up/down resitors are 45k

MCU

MCU can:
push 40mA out
pull 28mA in

U101
ESP32-C3-MINI-1



+3.3V
R102 10k
C103 10u
reset
SW101 SW_SPST

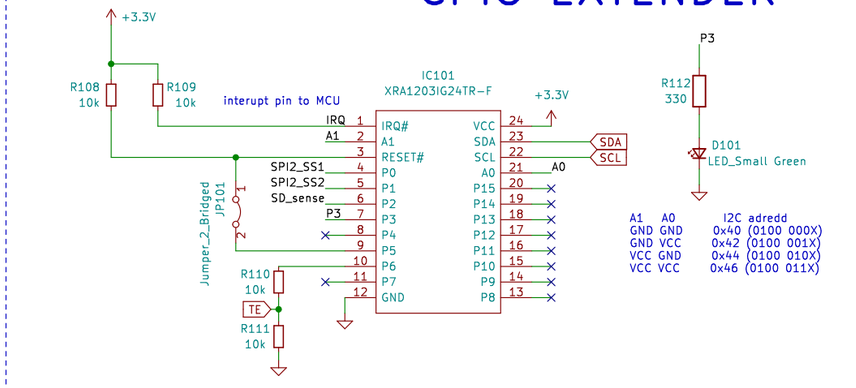
GPIO0 SPI2_MISO
GPIO1 SPI2_CLK
GPIO2 SPI2_MOSI
GPIO3 DATA2
GPIO4 DATA1
GPIO5 IRQ
SD +SPI2

GPIO6 SDA
GPIO7 SCL
I2C bus

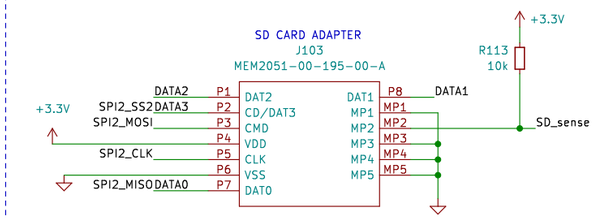
GPIO8
GPIO9
GPIO10
I2S pins/
SPI1 for ADC

C101 10u
C102 1u
C105 100n

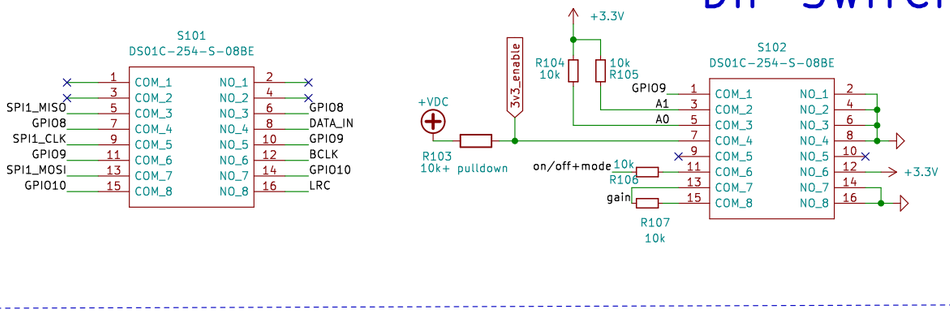
GPIO EXTENDER



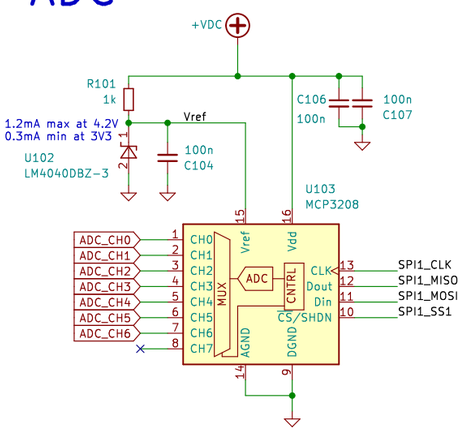
SD CARD



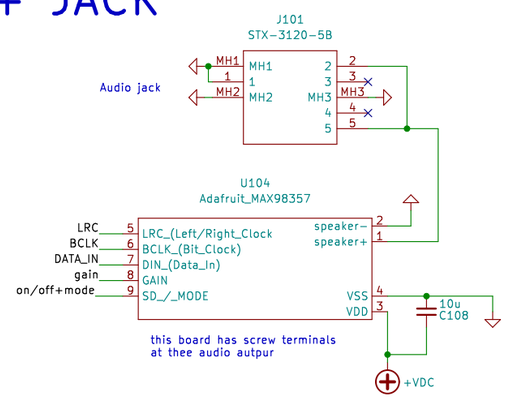
DIP SWITCHES



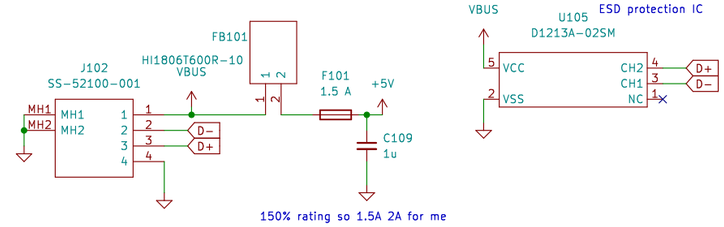
ADC



AUDIO Board + JACK



USB POWER+DATA



Power-IN-OUT-BMS

POWER_MEASUREMENTS

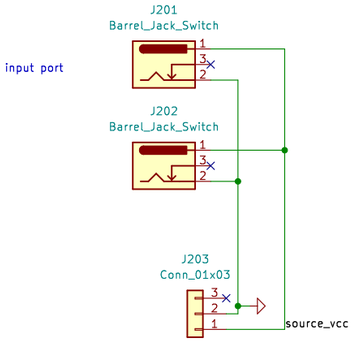
H101 MountingHole_Pad
H102 MountingHole_Pad
H103 MountingHole_Pad
H104 MountingHole_Pad

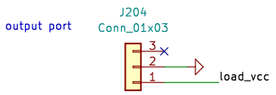
Sheet: /
File: test_project_01.kicad_sch

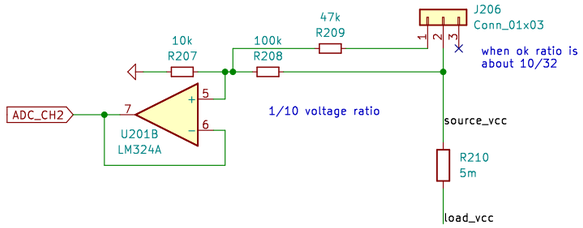
Title: ESP32 audio power meter SD dataloger

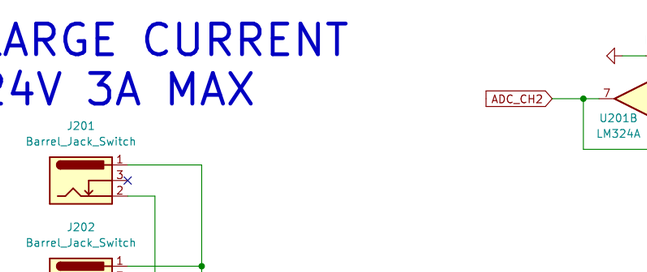
Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad (6.0.4)		Id: 1/4

LARGE CURRENT
24V 3A MAX

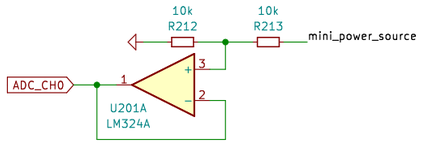


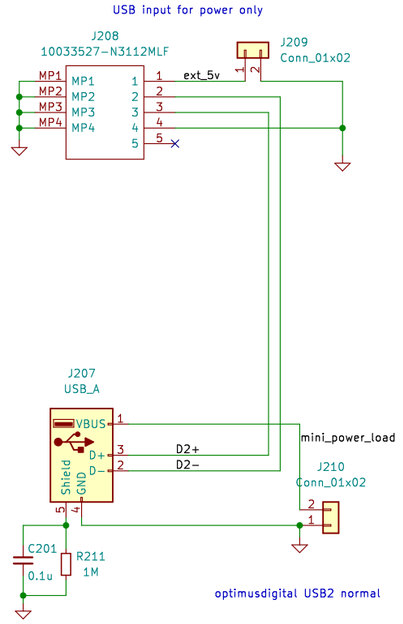


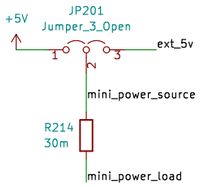


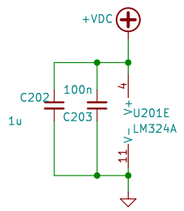


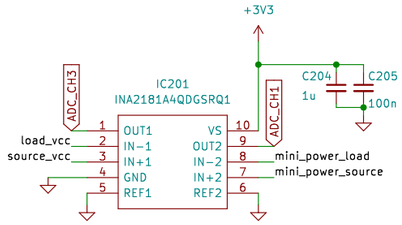
SMALL CURRENT
5V OR LESS





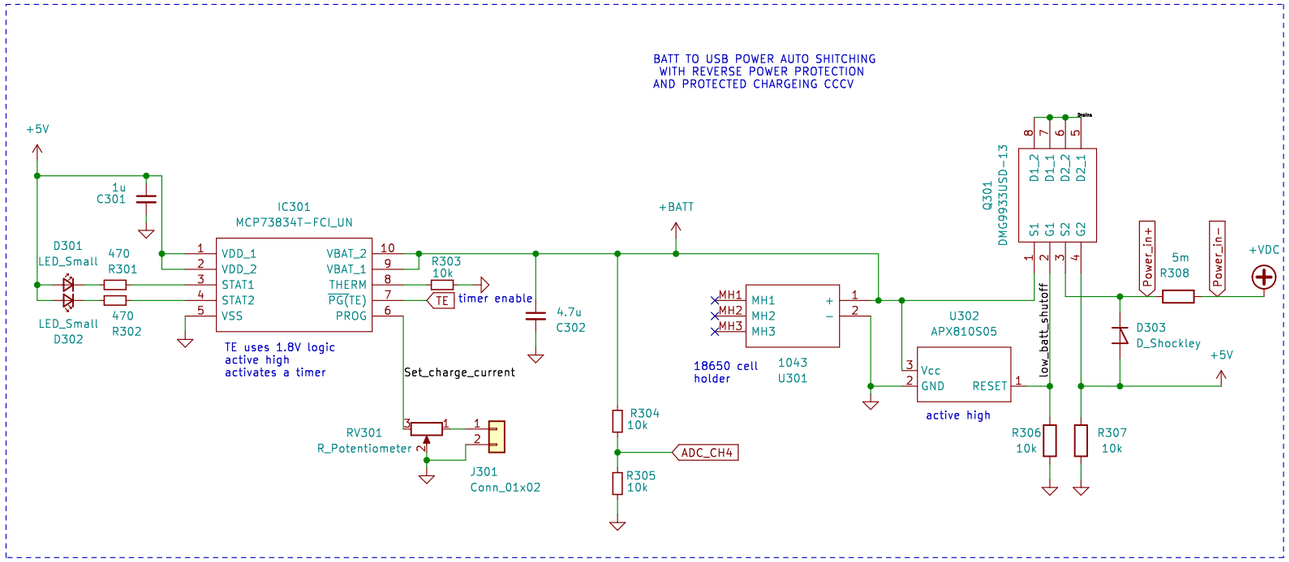


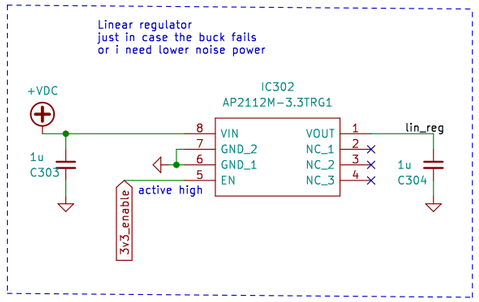


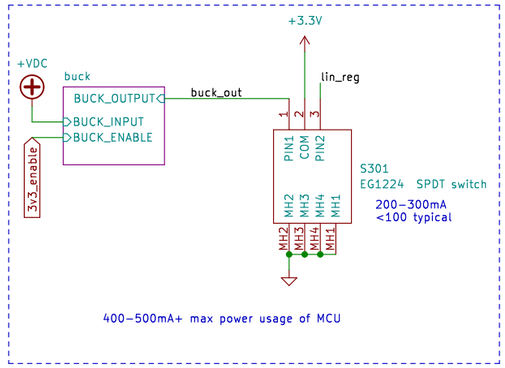


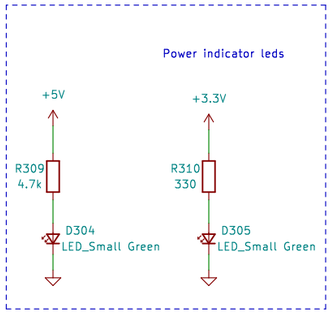
Sheet: /POWER_MEASUREMENTS/		
File: untitled.kicad_sch		
Title: ESP32 audio power meter SD dataloger		
Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad (6.0.4)		Id: 2/4

Power

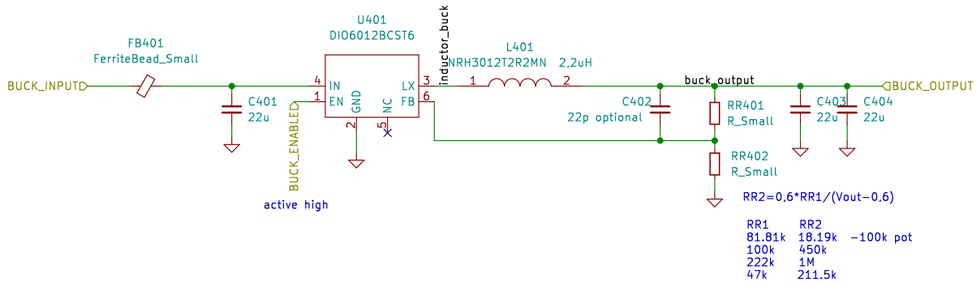








Sheet: /Power-IN-OUT-BMS/	
File: Power-IN-OUT-BMS.kicad_sch	
Title: ESP32 audio power meter SD dataloger	
Size: A3 Date:	**Rev: 1**
KiCad E.D.A. kicad (6.0.4)	Id: 3/4



Sheet: /Power-IN-OUT-BMS/buck/
File: buck.kicad_sch

Title: ESP32 audio power meter SD dataloger

Size: A3	Date:	**Rev: 1**
KiCad E.D.A. kicad (6.0.4)		Id: 4/4