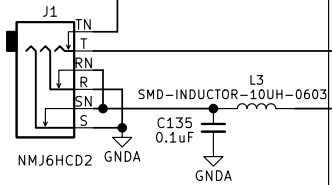
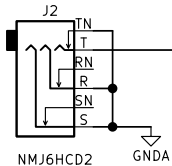


EFFECT RETURN  
(SDATA-IN 00)

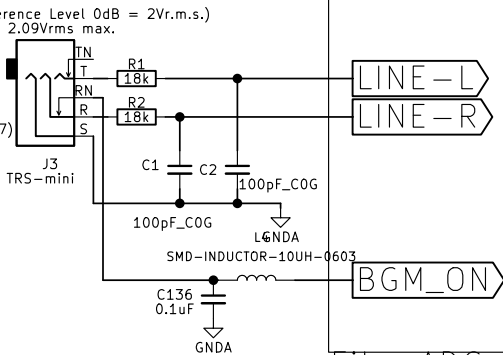


GUITAR INPUT  
(SDATA-IN 01)



Useable Phone Jacs:  
NEUTRIK NMJ6HCD2  
AMPHENOL ACJS-IH or  
Yueqing Daier Electron PJ-644C

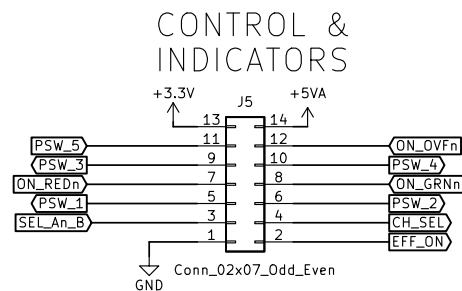
BGM INPUT  
(SDATA-IN 16/17)



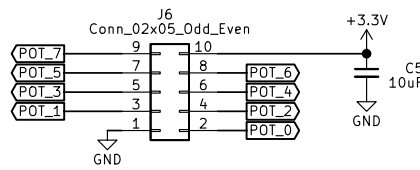
Sheet: ADC\_DAC

File: ADC\_DAC.sch

Interconnect to CONTROL-BOARD



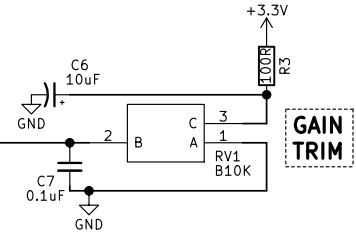
Multiplexed  
POT-VOLTAGES



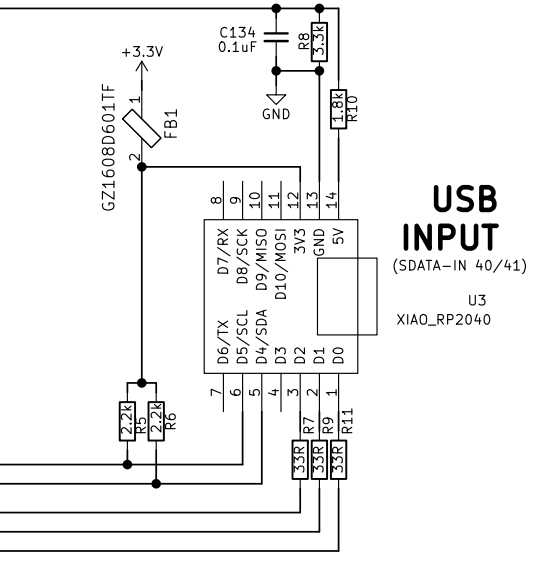
Sheet: DSP

File: DSP.sch

POT\_7



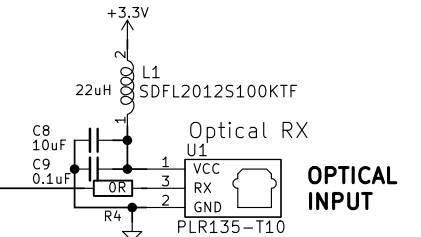
USB\_ON



USB INPUT  
(SDATA-IN 40/41)

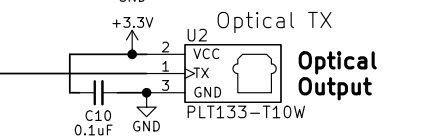
U3  
XIAO\_RP2040

SPDIF\_RX



OPTICAL INPUT

SPDIF\_TX



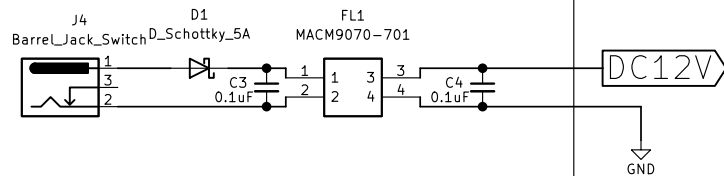
Optical TX

Optical Output

Sheet: PSU

File: PSU.sch

DC12V INPUT  
Center= 2.1mm  
Positive Sleeve= 5.5mm



Sheet: BM83\_BT-RX

File: BM83\_BT-RX.sch

MAIN BOARD  
CONNECTORS

(Without BM83 version)

CyberPit 2025

Sheet: /

File: FreeDSP-G.sch

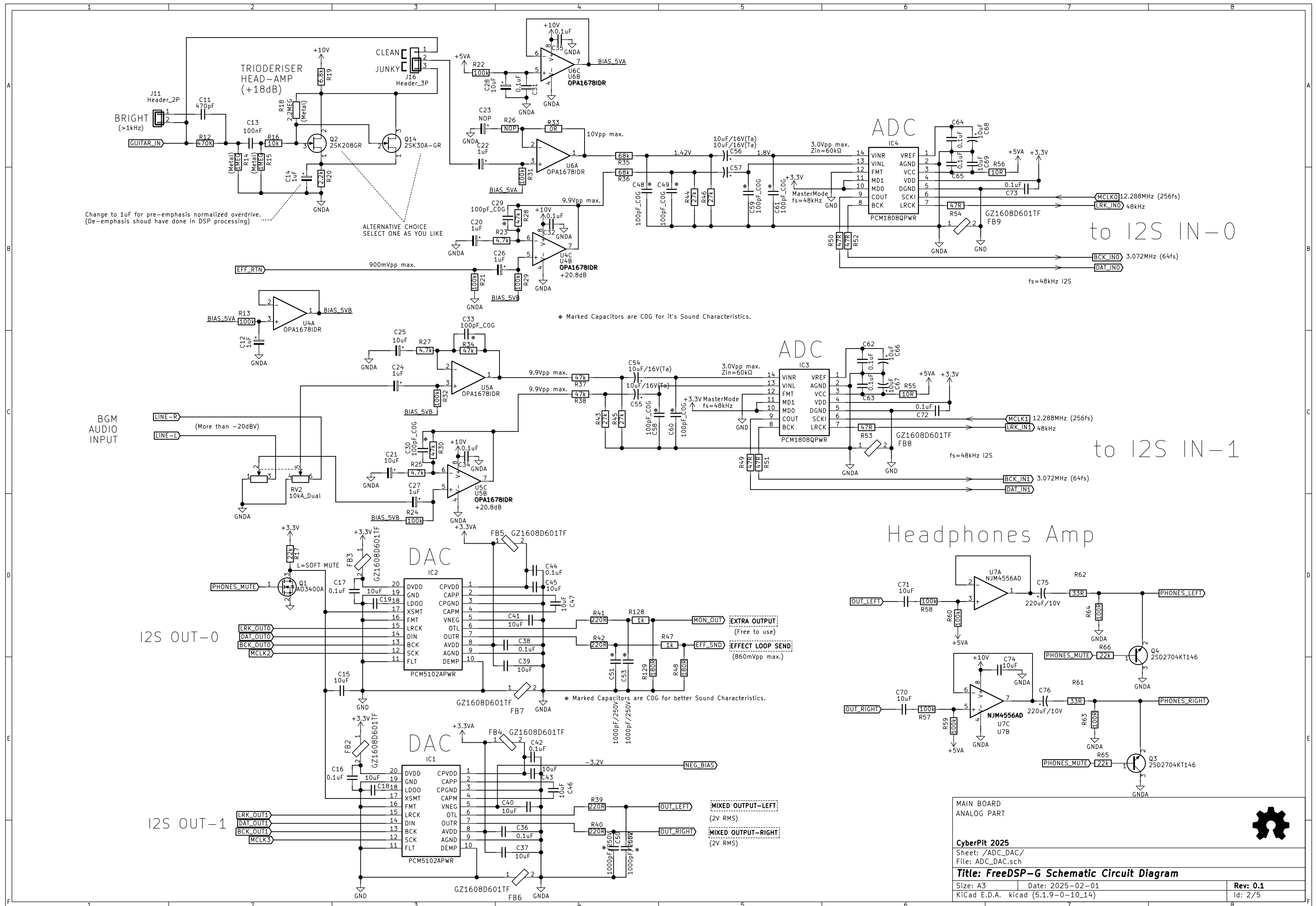
Title: FreeDSP-G Schematic Circuit Diagram

Size: A3 Date: 2025-02-20

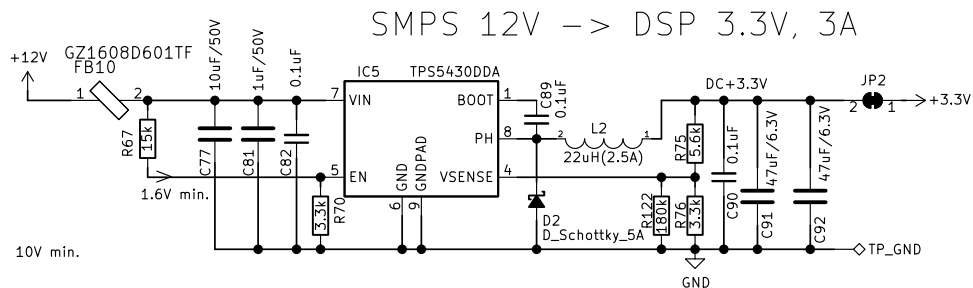
KiCad E.D.A. kicad (5.1.9-0-10\_14)

Rev: 0.2

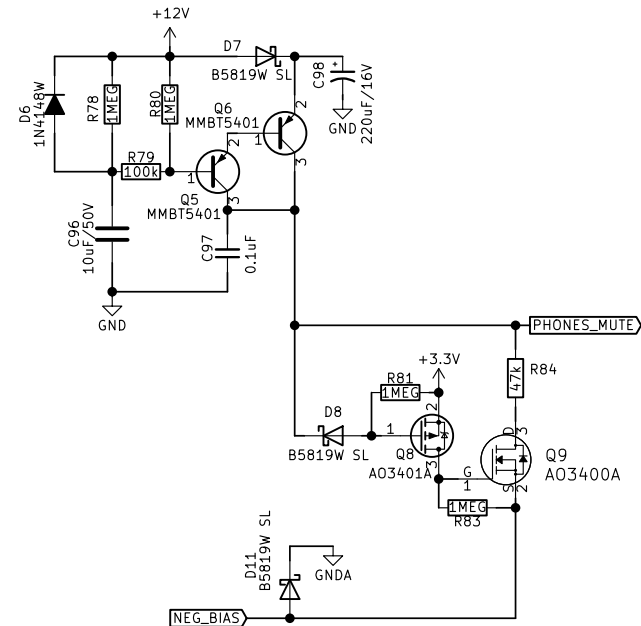
Id: 1/5



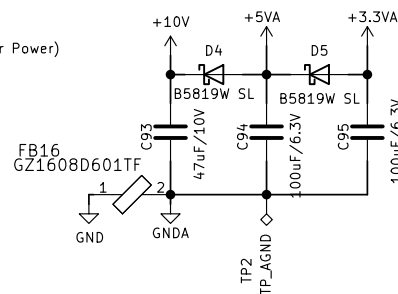
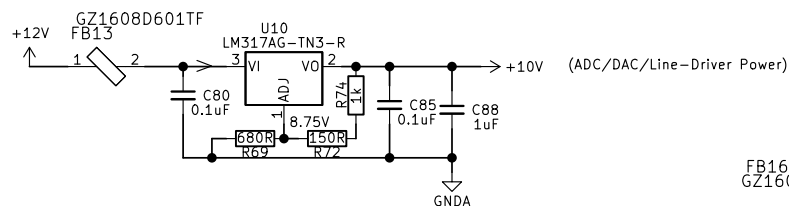
DC12V JP1 2 1 → +12V



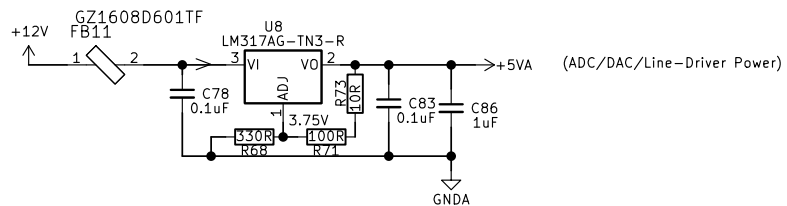
Power ON/OFF Mute Driver



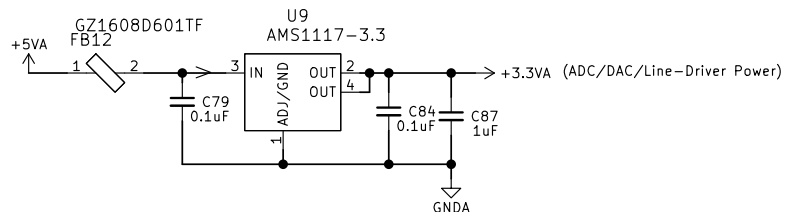
REG12V → ANALOG 10.0V



REG12V → ANALOG 5.0V



REG12V → ANALOG 3.3V



MAIN BOARD		
CyberPit 2025		
Sheet: /PSU/		
File: PSU.sch		
Title: FreeDSP-G Schematic Circuit Diagram		
Size: A4	Date: 2025-02-27	Rev: 0.2
KiCad E.D.A. kicad (5.1.9-0-10_14)		Id: 3/5



