

Piezo preamp with EQ

[1] Charge amplifier and Baxandall EQ

1- ChargeAmpAndEQ



File: 1- ChargeAmpAndEQ.kicad_sch

[2] Power supply and opamp biasing

2- Power



File: 2- Power.kicad_sch

[3] Battery & power indicator

3- BatteryIndicator



File: 3- BatteryIndicator.kicad_sch

[4] Mounting, hardware and accessories

4- MountingAndAccessories



File: 4- MountingAndAccessories.kicad_sch

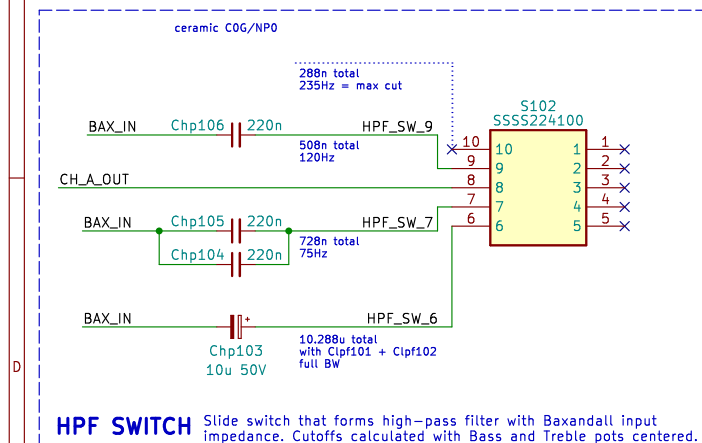
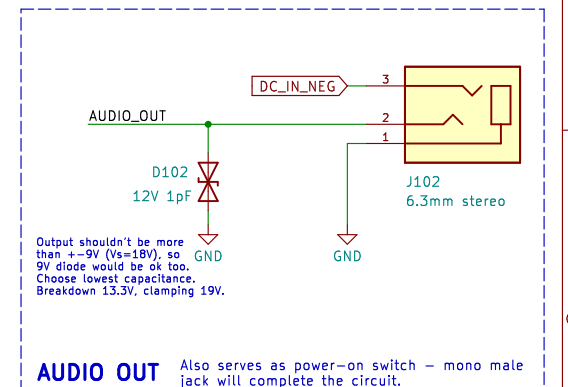
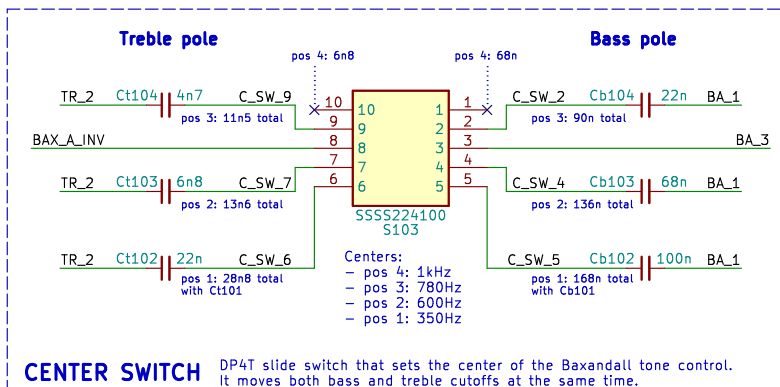
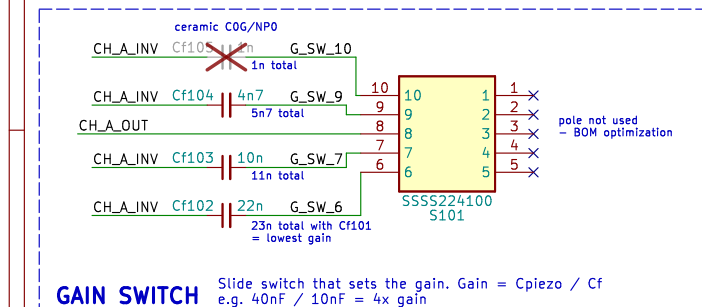
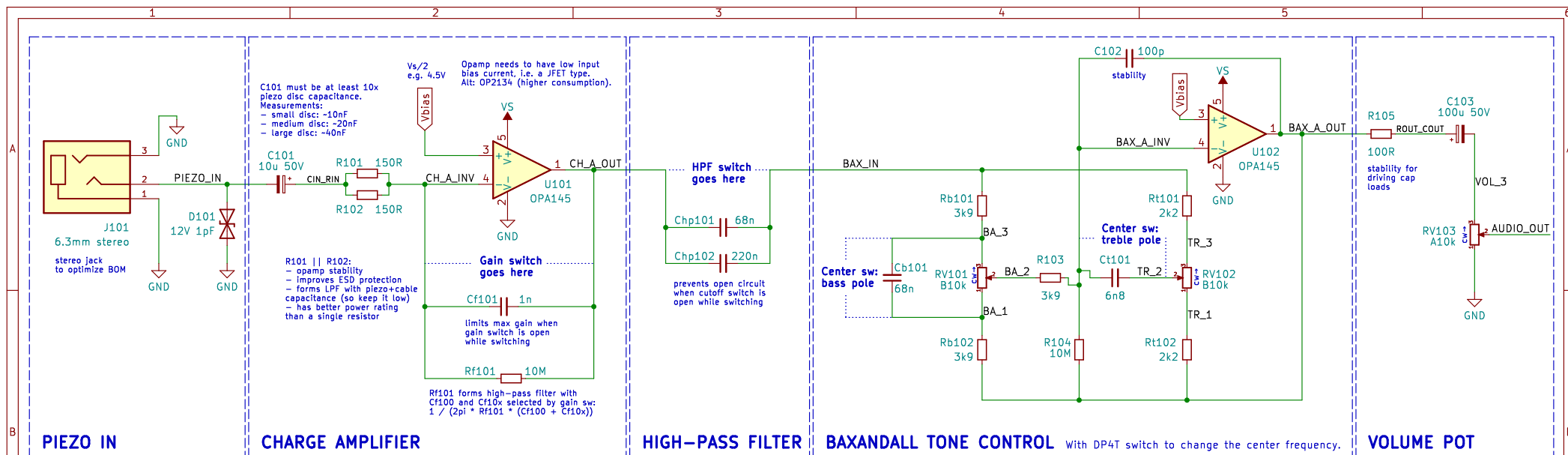
v2.3: PCB: adjusting board size to better fit the enclosure. Increasing opamp pad sizes.
v2.2: scheme, PCB: fixing T and R pins on audio jacks – they were swapped before
v2.1: PCB: fixing pad sizes – some were too small

Arx

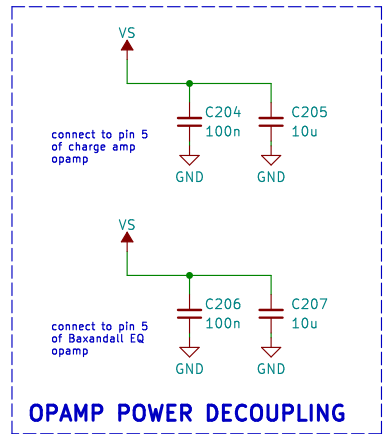
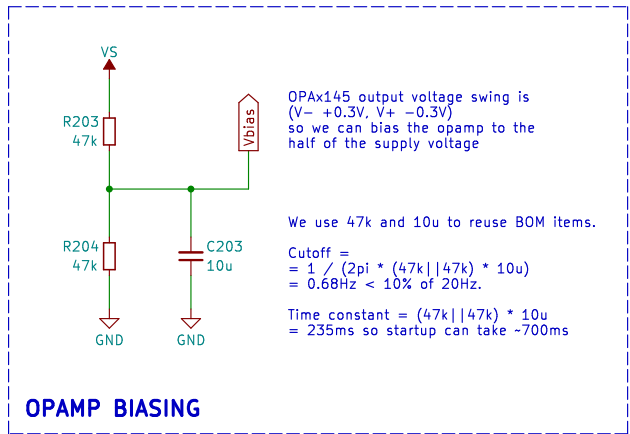
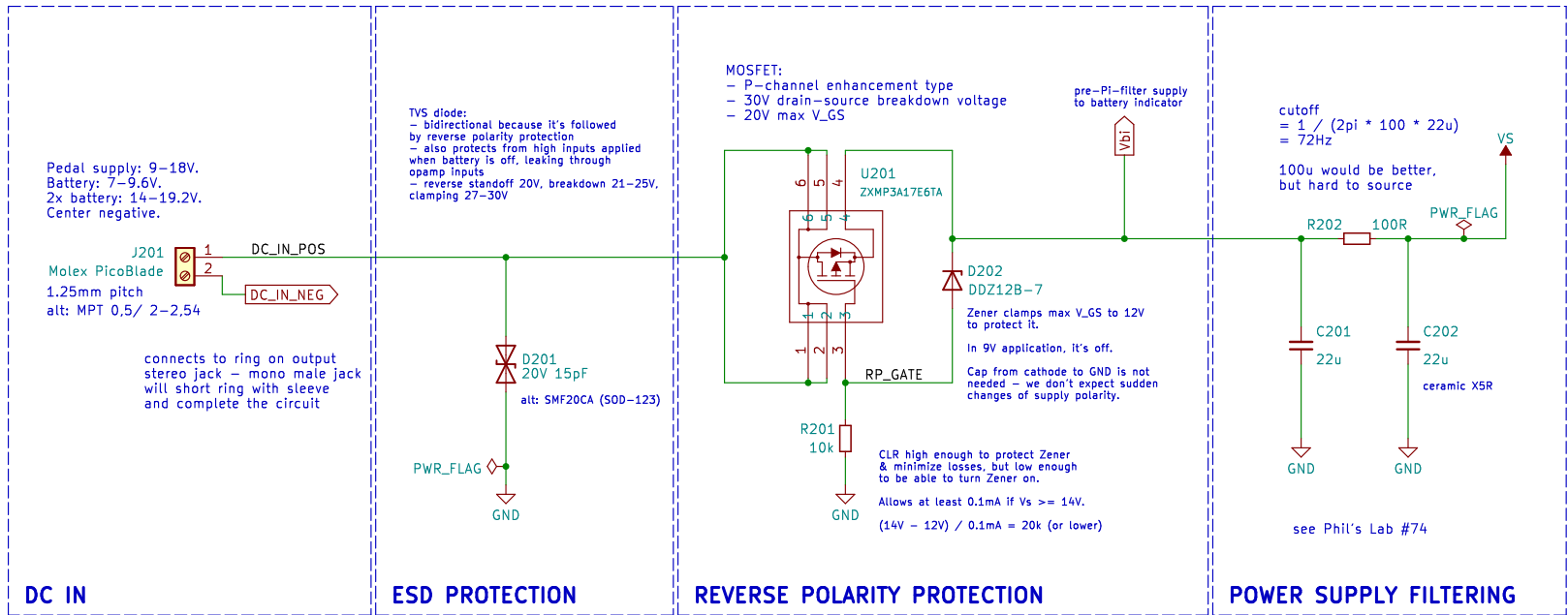
Sheet: /
File: 2023_PiezoPreamp.kicad_sch

Title: Piezo Preamp + EQ

Size: A4	Date: 2024-01-17	Rev: 2.3
KiCad E.D.A. kicad 7.0.10	Id: 1/5	



Arx	
Sheet: /1-ChargeAmpAndEQ/ File: 1-ChargeAmpAndEQ.kicad_sch	
Title: Charge Amp and Baxandall EQ	
Size: A4	Date: 2024-01-17
KiCad E.D.A. kicad 7.0.10	Rev: 2.3 Id: 1/5



Arx

Sheet: /2–Power/

File: 2–Power.kicad_sch

Title: Power Supply and Opamp Biasing

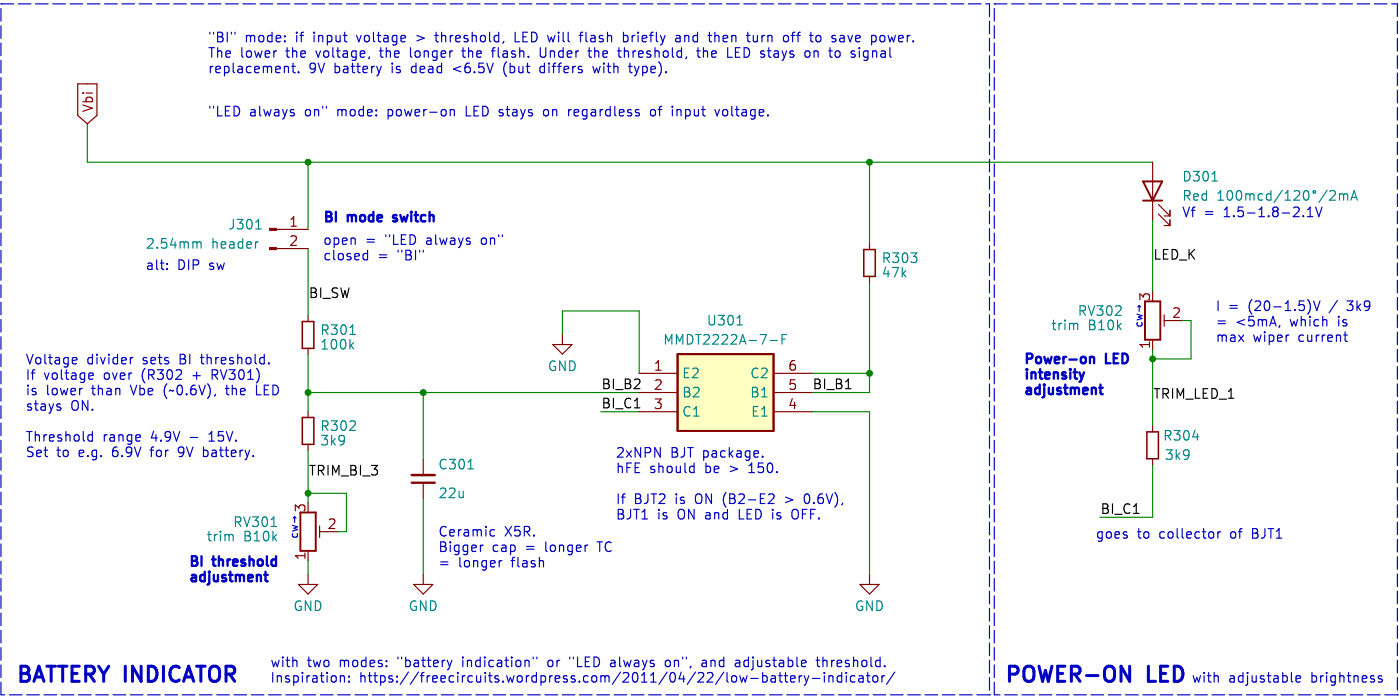
Size: A4

Date: 2024–01–17

Rev: 2.3

KiCad E.D.A. kicad 7.0.10

Id: 2/5



Arx

Sheet: /3-BatteryIndicator/
File: 3-BatteryIndicator.kicad_sch


Title: Battery & Power Indicator

Size: A4 Date: 2024-01-17

KiCad E.D.A. kicad 7.0.10

Rev: 2.3


Id: 3/5




GND

H401
M3 MountingHole_Pad

can be used as a single
point of grounding for
enclosure if the grounding
spring is not used




H402
M3 MountingHole




H403
M3 MountingHole


MOUNTING HOLES



H404
3.2/12.7mm




H405
3.2/12.7mm



H406
3.2/12.7mm

MOUNTING PEGS




GND

J401
Spring Contact

Battery spring pushing against enclosure.
Can be used as a single point of grounding
if mounting hole is not used for this
purpose.
Only use one of these methods to prevent
ground loops.


GROUNDING SPRING



H407
LED light guide
alt: LPC_044_CTP

guides power LED light to
the top cover of enclosure


LED LIGHT GUIDE



JP401

for J301 (BI)


JUMPER



N401
TEKO 1/A.1

alt: TEK0 2/A.1
(can also fit 9V battery)

ENCLOSURE



P401
Molex PicoBlade

from battery / DC jack
to PicoBlade on PCB

DC PLUG

what's missing:

- knobs for pots
- DC IN jack with switch
- 9V battery connector

Arx

Sheet: /4-MountingAndAccessories/
File: 4-MountingAndAccessories.kicad_sch

Title: Mounting, hardware and accessories

Size: A4

Date: 2024-01-17

KiCad E.D.A. kicad 7.0.10

Rev: 2.3

Id: 5/5