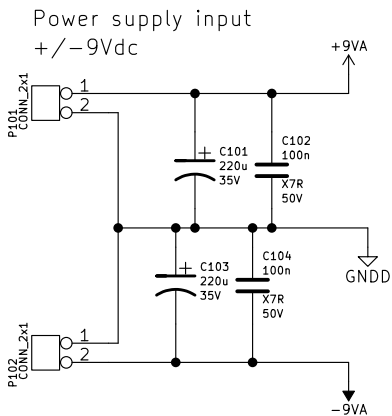
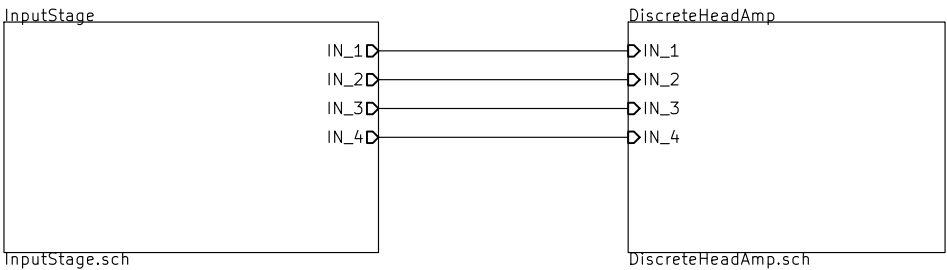
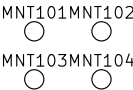


Open Hardware DSP Platform – www.ohdsp.org
AmpTwo – Dual Stereo Headphone Amplifier
Revision 1.0

This takes differential inputs and feeds these through manual volume controls.
The output stage is a generic class B op-amp amplifier.

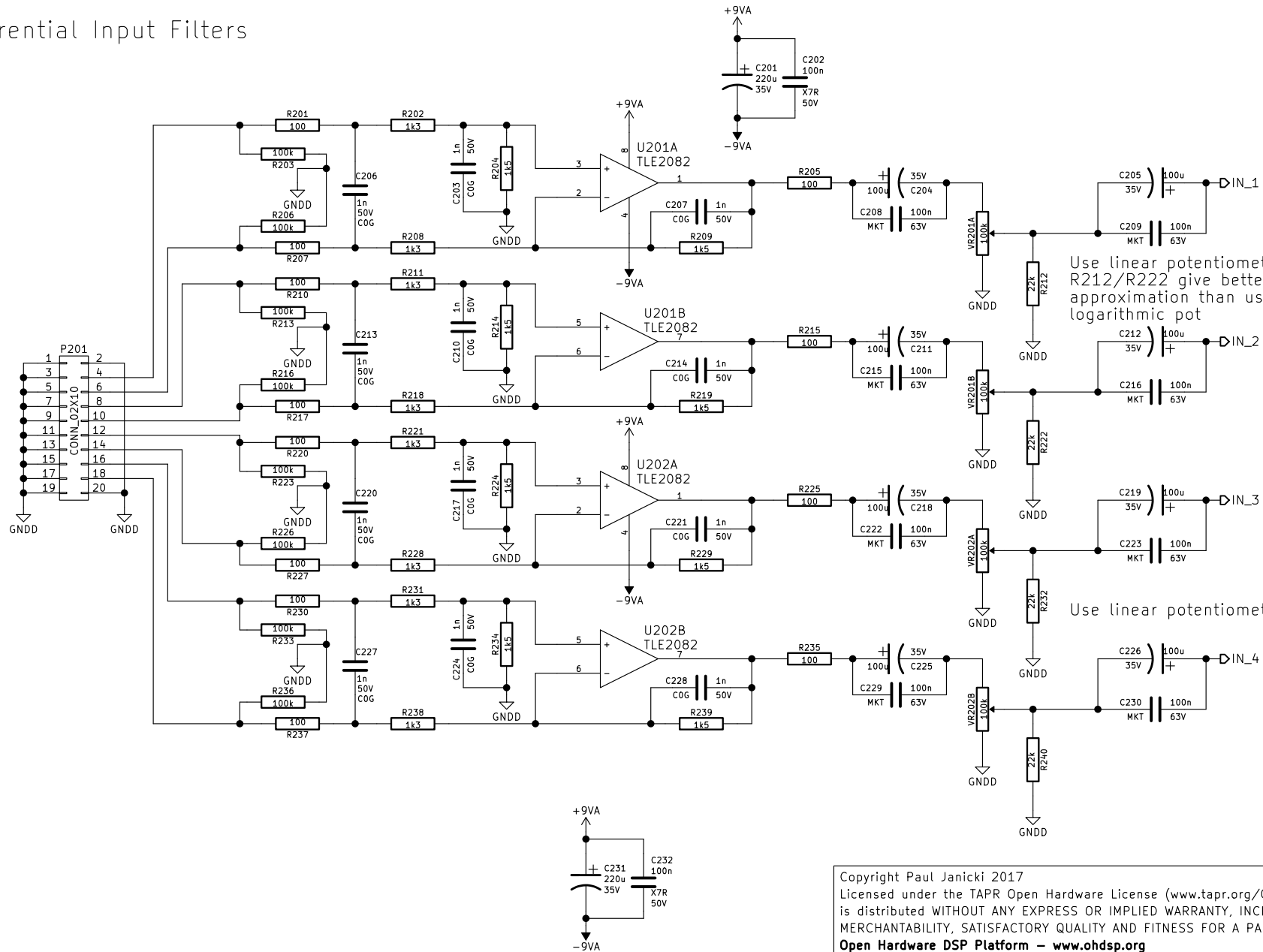


Mounting Holes



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Sheet: / File: dev-AmpTwo.sch		
Title: AmpTwo – Dual Stereo Headphone Amplifier		
Size: A4	Date: 2017-03-22	Rev: 1.0
KiCad E.D.A. kicad 4.0.5		Id: 1/3

Differential Input Filters



Use linear potentiometer
R212/R222 give better logarithmic
approximation than using a
logarithmic pot

Use linear potentiometer

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Sheet: /InputStage/

File: InputStage.sch

Title: AmpTwo – Dual Stereo Headphone Amplifier

Size: A4 Date: 2017-03-22

KiCad E.D.A. kicad 4.0.5

Rev: 1.0

Id: 2/3

Discrete Dual Stereo Headphone Amplifiers

Overall gain set to 0dB as ADAU1966 has high output voltage.
Gain can be changed by adjusting R319, R320 etc.

