

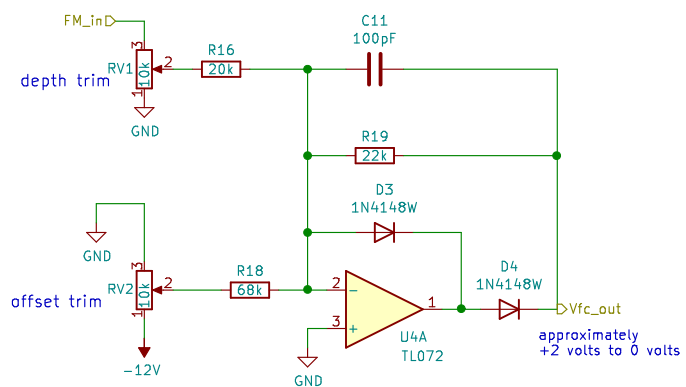
Author: Jordan Aceto
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Sheet: /audio_path/
File: audio_path.sch

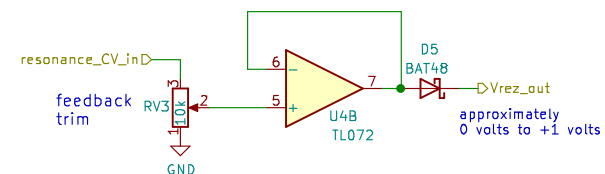
Title: 2164 SVF plug-in board

Size: A4
Date: 2020-08-04
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Rev: 0
Id: 2/4

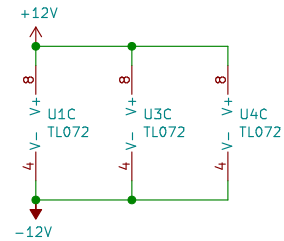
[illegible]

The diagram shows a precision rectifier circuit. The input signal, labeled 'resonance_CV_in', is connected to the non-inverting input (pin 5) of the op-amp U4B (TL072). The op-amp is configured with a voltage divider feedback network consisting of a 10k resistor (RV3) and a 1k resistor connected to ground. The output of the op-amp (pin 7) is connected to the anode of a BAT48 diode (D5). The cathode of the diode is connected to ground. The output of the diode, labeled 'Vrez_out', is connected to the output of the circuit. A note indicates the output is 'approximately 0 volts to +1 volts'.

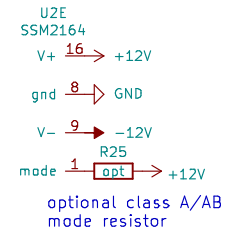


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Id: 3/4

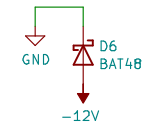
TL072 power connections



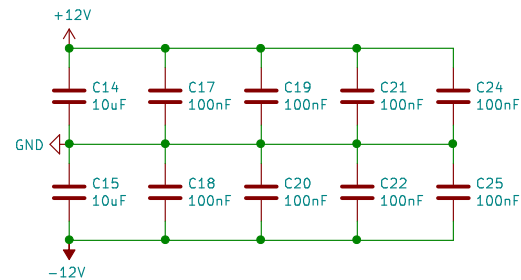
SSM2164 power connections



2164 protection



Decoupling capacitors



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Sheet: /power_supply/
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