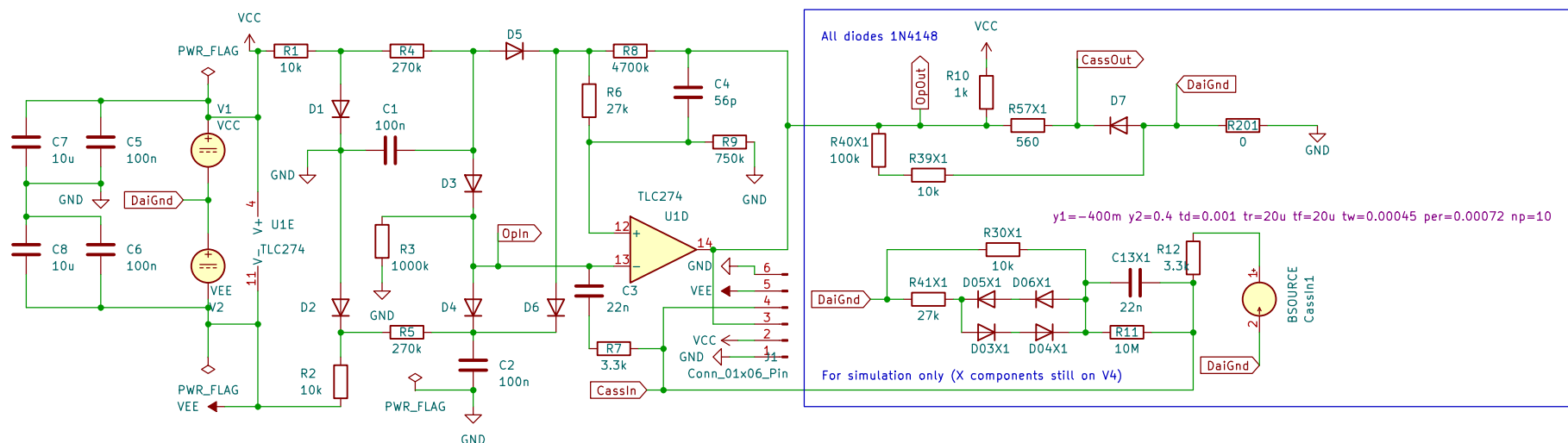# MODULE TO UPGRADE A DAI V4 TO A DAI V7

V4TOV7 module requires to connect 2 pins
1) GND(1 or 5) pin to DAI ground (available on connectors)
2) CassIn (4) pin directly to cassette connector pin

All diodes 1N4148

y1=-400m y2=0.4 td=0.001 tr=20u tf=20u tw=0.00045 per=0.00072 np=10

For simulation only (X components still on V4)

Assembly remarks (9/2024)
- Pins 12 & 13 of support IC should be cut not to go though PCB
- C5 & C6 added because of noise, possibly not necessary
- C7 & C8 are also optional (excluded from simulation here)
Simulations remarks (9/2024)
- VEE set to 4.8V for testing dissymetic voltage
- There are convergences issues with the TLC274 model
- Change R201 to 100M to simulated diconnection between Gnd and DaiGnd
- R12 is set to 3.3k but depends on audio player

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File: V4toV7_TI.kicad_sch
Title: DAI audio input converter V4 to V7
Size: A4   Date:
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