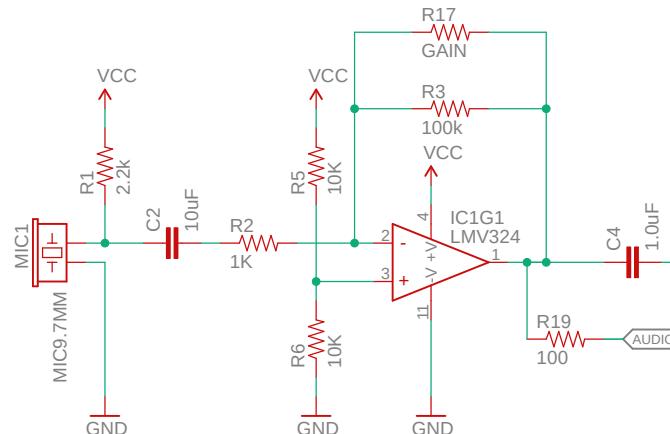


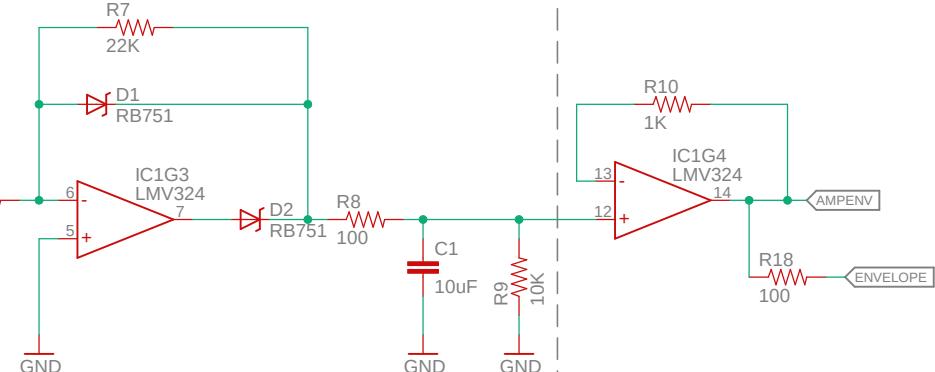
Mic capsule and preamplifier

Default gain = 100 (40 dB)
 Populate R17 to lower gain.
 $10K = 10$ (20 dB)
 Remove R3 and populate R17 to raise gain.
 $1Meg = 1000$ (60 dB)

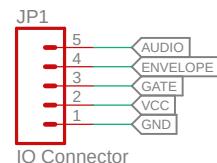


Peak detector

Half-wave precision rectifier with gain of approx 2

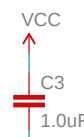


I/O connector

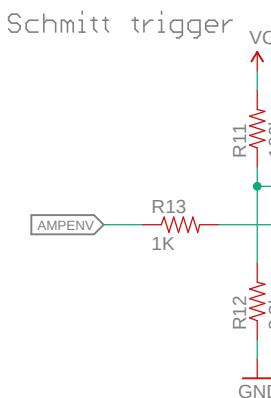


Vcc range between 2.7V and 5.5V.

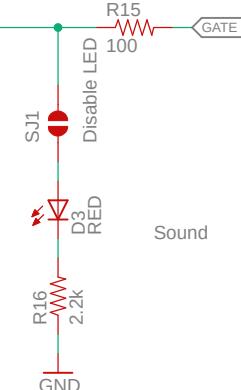
Decoupling



Supply decoupling - place near U1



Clear SJ1 to disable onboard LED.



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TITLE: sound-detector-v11



Design by: Byron Jacquot

REV:
V11

Date: 7/21/2017 1:30 PM

Sheet: 1/1