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)

I/O connector

Vcc range between 2.7V and 5.5V.

Decoupling

Supply decoupling - place near U1

Schmitt trigger

Clear S11 to disable onboard LED.

Peak detector

Half-wave precision rectifier with gain of approx 2

Buffer amplifier

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