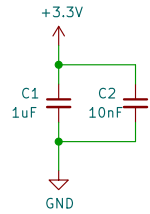


Power supply filtering



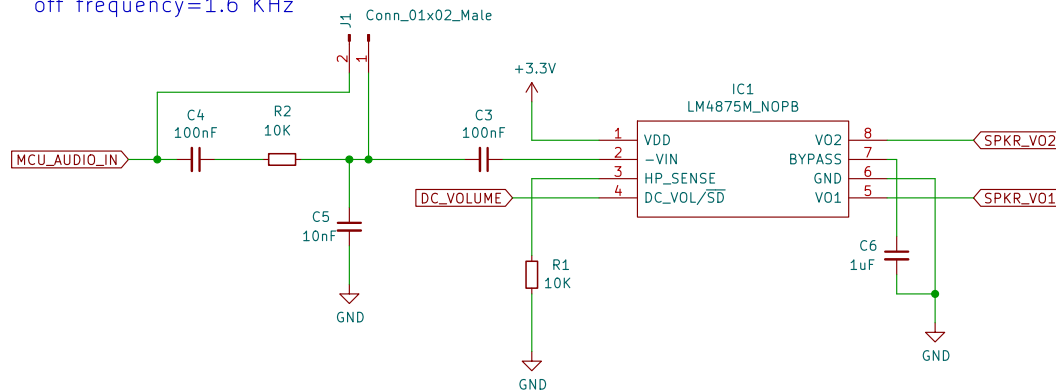
Speaker 8 Ohm



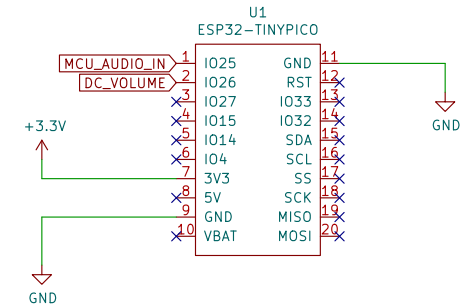
LM4875 mono class AB amplifier for human speech

Low pass "speech filter", with -3dB cut-off frequency = 1.6 KHz

Short together J1 to remove LP filter influence



UM TinyPICO ESP32 Shield



For maximum gain, apply VCC to the DC_VOLUME pin, and to reduce it, use a lower DAC voltage. See 'Figure 26. Typical Part-to-Part Gain Variation as a Function of DC-Vol Control Voltage' in the LM4875 Datasheet for details.

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 Design by Debinix Team

Triata Group Electronics

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 File: lm4875-tinypico-audio-shield.kicad_sch

Title: Speech Audio Amplifier Shield UM ESP32

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