

Fermion MEMS Microphone Module

SEN0487

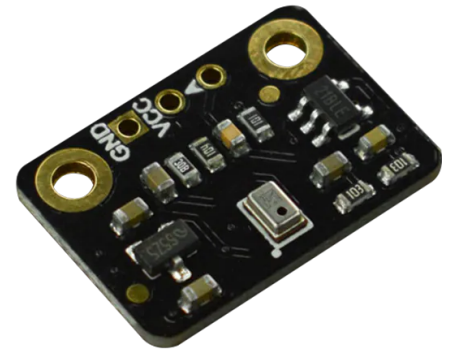
Product Overview

01-23-2023

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

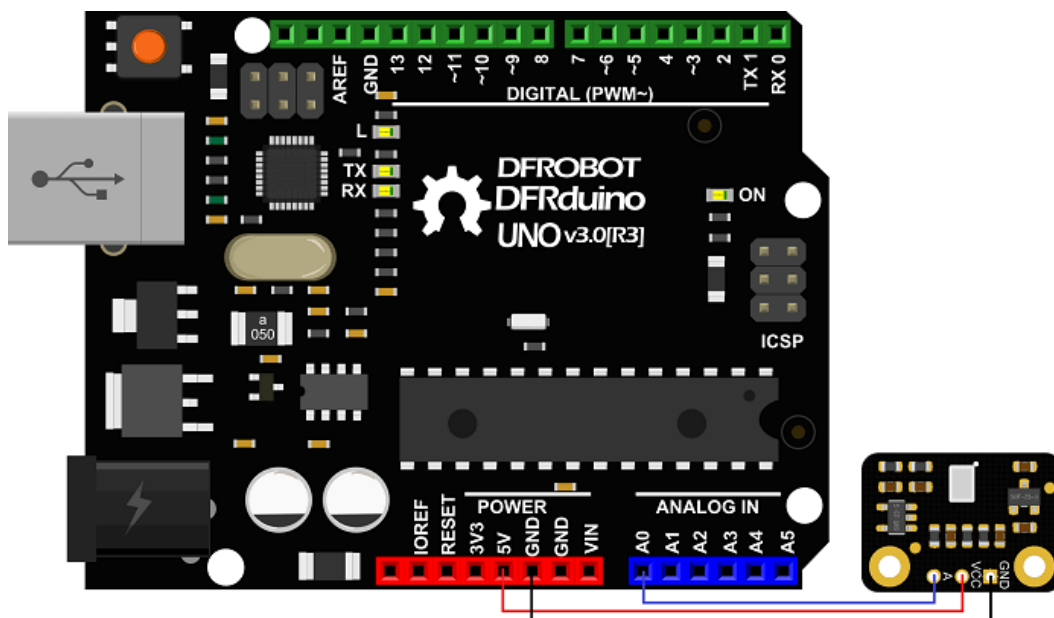
DFRobot Fermion MEMS Microphone Module is a tiny MEMS microphone with an amplifier gain of 66. This module outputs a voltage of around $0.66V_{CC}$ when there is no sound detected. When speaking, the module gives out the acoustic waveform by ADC sampling. The Fermion MEMS microphone module can be used on all kinds of 3.3V/5V main controllers.



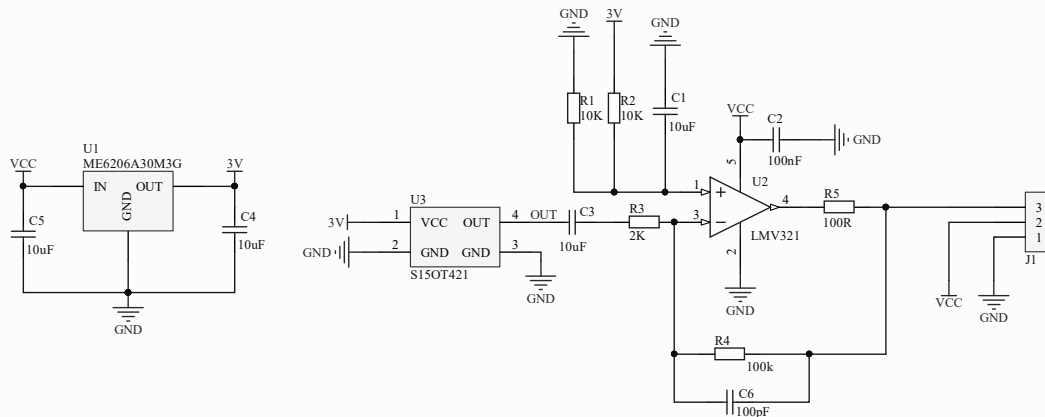
Specifications

- Analog signal type
- 3.3V/5V power supply
- All-round directivity
- -42dB sensitivity
- 59dBA S/N ratio
- 100Hz to 8KHz frequency range
- 18mm x 12.5mm/ 0.71" x 0.49" dimension

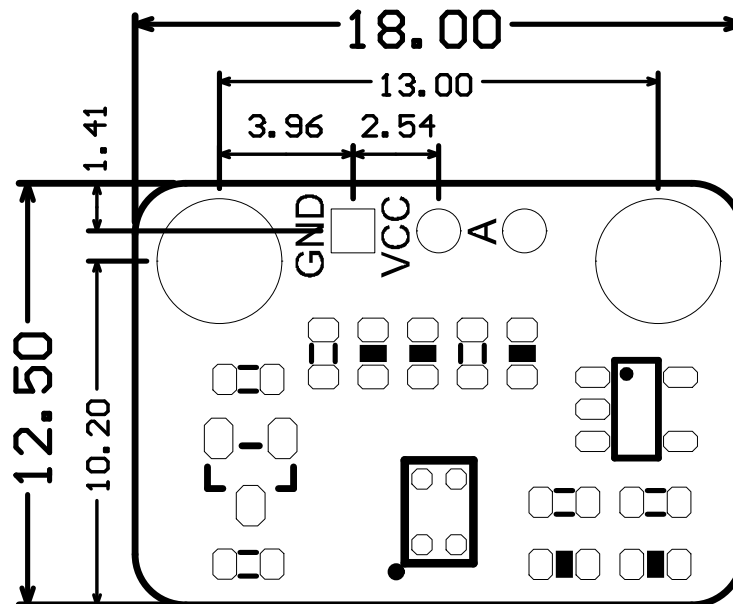
Connection Diagram



Schematic Diagram



Dimensional Diagram (mm)



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-fermion-mems-microphone-module/>