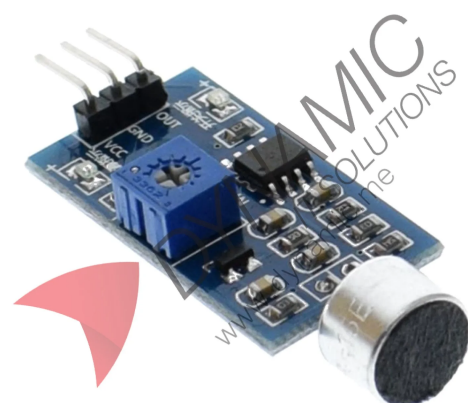


High Sensitivity Sound Detection (3 pins)



Features:

The high sensitivity sound detection sensor module is designed to detect audio intensity using an onboard microphone and LM393 comparator. It provides a digital output that goes LOW when sound exceeds the user-defined threshold, which can be adjusted using an onboard potentiometer. The module includes an LED indicator for output status and operates reliably on 3.3 V to 5 V. Compact and lightweight, it is suitable for sound-activated projects and simple noise level detection applications.

Specifications	
Operating Voltage	3.3 V to 5 V DC
Output Type	Digital (High or Low logic level)
Output Behavior	LOW output when sound exceeds threshold
Operating Current	4 mA to 8 mA (at 5 V)
Microphone Sensitivity	−52 dB to −48 dB (at 1 kHz)
Microphone Impedance	2.2 k Ω
Frequency Response	16 kHz to 20 kHz
Signal-to-Noise Ratio	54 dB
Output Indicator	Onboard LED (lights when sound detected)
Sensitivity Adjustment	Onboard potentiometer
Channel	Single-channel sound detection

Pinouts:

Pin Name	Type	Description
VCC	Power Input	Supply voltage (3.3V to 5V DC)
GND	Power Ground	Common ground reference
DO	Digital Output	Goes LOW when sound level exceeds set threshold



Product Pictures:

