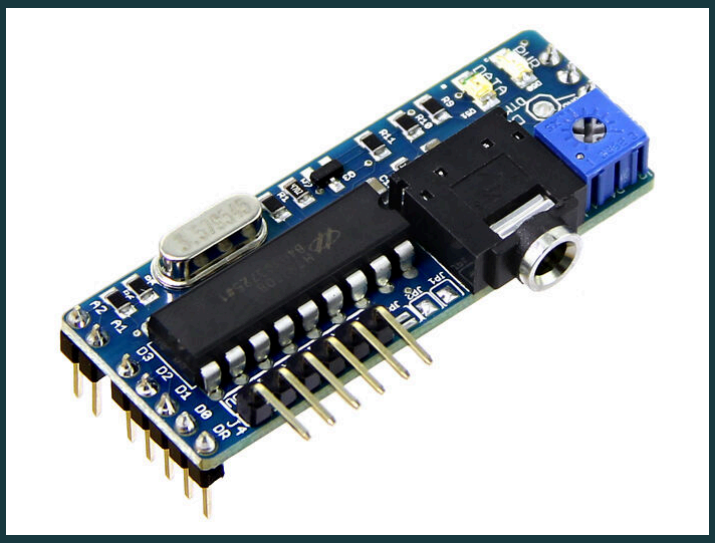
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INDUSTRIAL PRODUCT DATASHEET

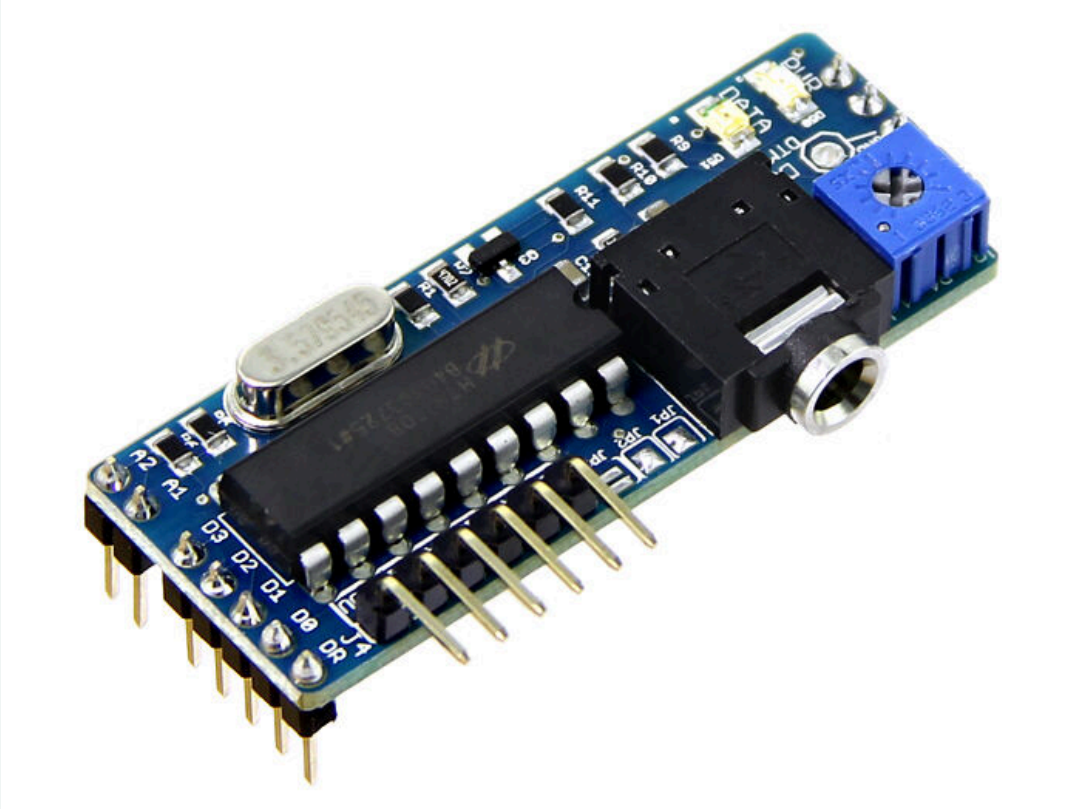
DTMF(Dual Tone Multi Frequency) Shield

The DTMF Shield for Arduino decodes DTMF tones for direct microcontroller interfacing.

SKU	UPDATED	PRICE
107990009	2024-08-09 02:07:27	$25.00(Excl. VAT)



Overview



The DTMF Shield for Arduino converts DTMF or Touch Tone signals into a digital format that microcontrollers can easily read. It features an HT9170B DTMF decoder IC, a trim pot for gain adjustment, and a 3.5mm stereo audio jack.

Key Features

The DTMF Shield for Arduino converts DTMF or Touch Tone signals into a format that microcontrollers (uC) or Arduino boards can understand. DTMF tones are analog signals that Arduino and most uC cannot read directly. This module converts those signals into a digital format that uC can easily read.

Here is the functional diagram of the DTMF Shield.

The DTMF Module is specifically designed to plug right into the Arduino boards, but it can also be used with a variety of microcontrollers.

Demo of DTMF Shield for Arduino

See other demo videos **here**.

Note: some these videos show an earlier board version with no Arduino headers. The formal version of sale has headers to right into an Arduino board

Features

- Operating Voltage: 5v, Current draw: 3mA
- Input signal range: 27.5 to 869mVrms (-29 to 1dBm)
- Trim pot for easy gain adjustment.
- 3.5mm stereo audio jack (TRS) and 0.1" standard interface headers
- LED to indicate tone decoded

Specification

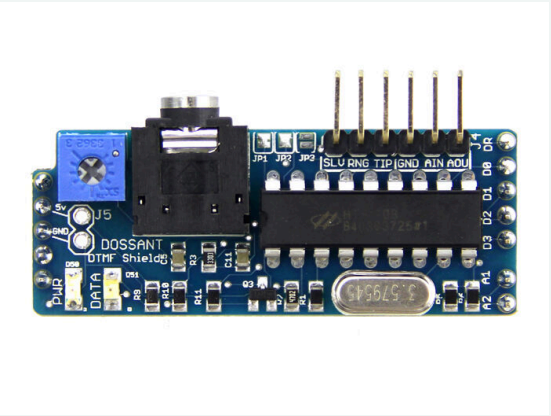
- Dimension: 0.79" x 2.16", 20mm x 55mm

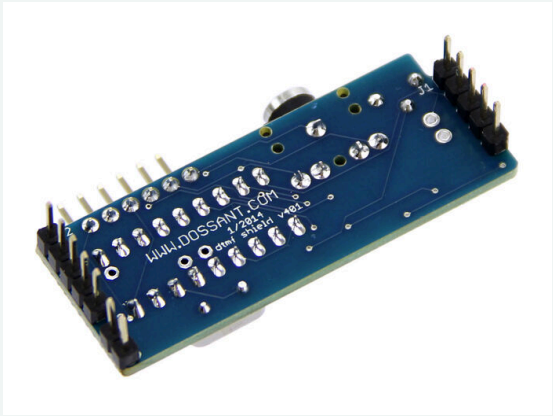
Documents

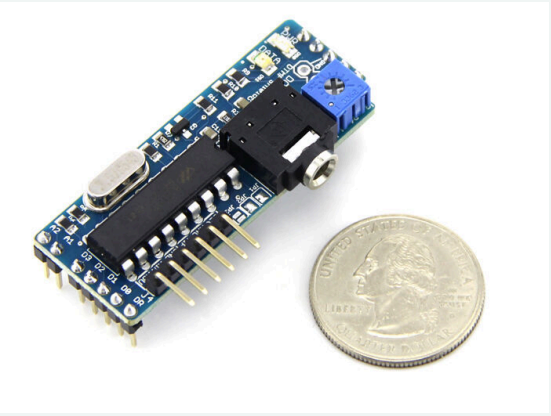
- **DTMF Shield User Manual**
- Library and Sample Sketch: **download**
- **DTMF Module Schematics**
- **Datasheet for Holtek HT9170B DTMF decoder IC**
- **Demo videos**

If you encounter any problems when using this product, please contact **here** for technical support or visit **forum** of dossant.

Product Gallery







Compliance & Logistics

HSCODE	8518900090

Resource Links

- https://www.seeedstudio.com/DTMF-Dual-Tone-Multi-Frequency-Shield-p-1839.html

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