

34912-MI

10 Second Voice Recorder Module

Voice Recorder module based on the ISD18B20PY IC. Stand Alone Manual or Microcontroller Control
Flash memory stores recording with power off for years. Almost limitless Record/Playback cycles.
Feedthrough mode for direct Mike to Speaker use.
Power: 3-5VDC

Record Length: ~10sec

Input: On-board microphone

Output: ~.2W into 8 ohm speaker

Trigger: SEE PLAY E & PLAY L

Modes: LOOP or one shot.

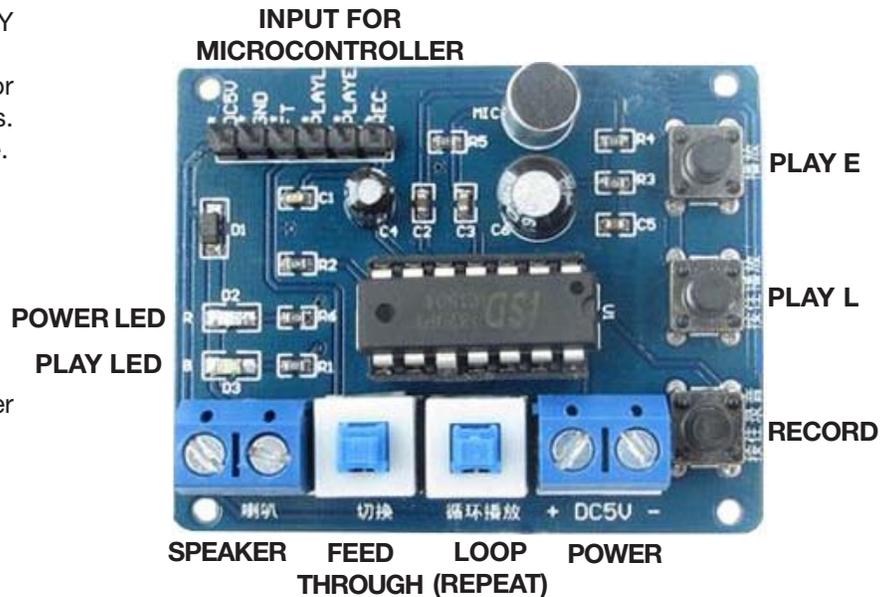
Record & Power LEDs

6Pin .1in. Pitch header for Inputs from Microcontroller

Functions are same as Onboard switches

Terminal strips for speaker & Power connection

L: 2" W: 1-9/16" H: 5/8" WT: .04



FEED THROUGH & LOOP SWITCHES ARE ALTERNATE ACTION (PUSH-ON/PUSH OFF)

PLAY E (PLAYBACK, EDGE-ACTIVATED) Press Once

When a HIGH-going transition is detected on this input pin, a playback cycle begins. Playback continues until an End-of-Message (EOM) marker is encountered or the end of the memory space is reached. Upon completion of the playback cycle, the device automatically powers down into standby mode. Taking PLAY E LOW during a playback cycle will not terminate the current cycle.

This pin has an internal pull-down device. Holding this pin HIGH will increase standby current.

RECORD (REC) Press & Hold to Record

The REC input is an active-HIGH record signal. The device records whenever REC is HIGH. This pin must remain HIGH for the duration of the recording. REC takes precedence over either playback (PLAY L or PLAY E) signal. If REC is pulled HIGH during a playback cycle, the playback immediately stops and recording begins.

PLAY L (PLAYBACK, LEVEL-ACTIVATED) Press & Hold

When input pin transitions from LOW to HIGH, a playback cycle is initiated. Playback continues until PLAY L is pulled LOW, an end-of-message marker is detected, or the end of the memory space is reached. The device automatically powers down to standby mode upon completion of the playback cycle.

This pin has an internal pull-down device. Holding this pin HIGH will increase standby current.

FEED THROUGH (FT)

Feed Through mode allows use of the speaker drivers for external signals. The signal between the MIC and MIC_REF pins will pass through the AGC, the filter and the speaker drivers to the speaker outputs SP+ and SP-. The input FT controls the Feed Through mode. To operate this mode, the control pins REC, PLAY E & PLAY L are held low. The FT pin is held high to VCC. For normal operation of Record, Play and power down, the FT pin is held at Gnd. The FT pin has a weak pull down to VSS.

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MARLIN P. JONES & ASSOC., INC.

P.O. Box 530400 Lake Park, FL 33403

800-652-6733 FAX 561-844-8764

WWW.MPJA.COM