Voice Recording Module

Description

The voice recording module offers true single chip solid state storage capability and requires no software or micro-controller support. It provides high quality recording and playback with single 40 second message.

Features

- Non volatile flash memory technology
- Up to 40sec high quality audio recording
- No battery back up required
- User friendly, easy to use operation
- 2-keys operation, record and play back
- Low power consumption
- LED to indicate recording
- Built-in condenser mic
- Automatic power down
- Wide Operation voltage

Operation

Recording
1. Press key REC to start recording, release key when recording complete. LED will light up during recording. If voice message is longer than 40sec, LED will turn off and stop recording.
2. If there is a message recorded previously, press REC will erase the previous and record the new one.

Play Back
1. Press key PLAY once to start play back. The message will be played back from the beginning until ended. During play mode, if key PLAY is pressed, the message will stop immediately.
2. If the newly recorded message is shorter than the previously recorded message, the remaining portion of the previous message will be erased.
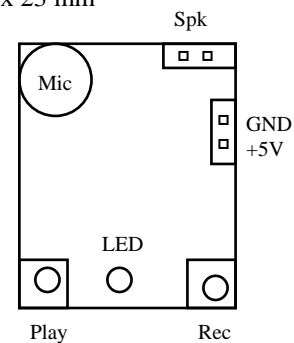
Standby
The module will automatically enter standby mode after recording or playback operation is completed.

Electrical Spec

Parameter	Min	Typical	Max	Unit
Operation Voltage	3.5	5	6.5	V
Operation Current (no load) Recording Playback		30 20	32 25	mA
Standby Current		10	14	uA
Sampling Rate		12		KHz

PCB Layout of the module

Size : 35 x 23 mm

Application Note

1. users can apply either DC5V, AAx4 or Lithium battery of 3.7V to operate the module