Description

The A96020A 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 dual 20 second message.

Features

- Non volatile flash memory technology
- No battery back up required
- User friendly, easy to operate
- Slide switch for record or play back
- Separate key to trigger message 1 or 2
- Low power consumption
- LED to indicate recording
- Built-in condenser mic
- Automatic power down
- 3.5-6V Operation

Operation

Recording

1. Turn slide Switch to REC position, press M1 or M2 to start recording, release key when recording complete. LED will light up during recording. If voice message is longer than 20sec, 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. Turn slide switch to PLAY position, press M1, or M2 to start play back. The message will be played back from the beginning until ended. During play mode, if the relevant key M1/M2 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
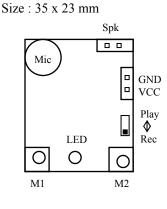The module will automatically enter standby mode after recording or playback operation is completed.

Connectors and Switches

SPK	0.1" pitch pin connector for speaker
PWR	0.1" pitch pin connector for DC power, note polarity
SEL	Slide switch for Record/Playback
M1	Push button for message 1
M2	Push button for message 2

PCB Layout of the module

Size : 35 x 23 mm

Electrical Spec

Parameter	Min	Typical	Max	Unit
Operation Voltage	3.5	6	6.5	V
Operation Current (8Ω Speaker connected)				mA
Recording	32	36	40	
Playback	18	22	28	
Standby Current	10	15	20	µA