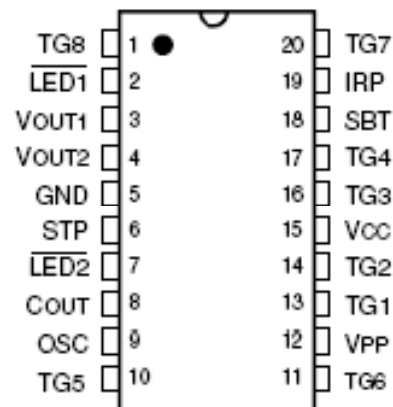


32 To 40 SEC INSTANT VOICE ROM

Model: API840N

Features:

- 1- Voice length at
 - 8 KHz sampling is 32 seconds
 - 6 KHz sampling is 40 seconds
- 2- Silence compression to save memory
- 3- Eight trigger pins, TG1 to TG8 for 32 sections
- 4- SBT pin play-all or sequential play-all
- 5- 15 ms debounce time suitable for CDS
- 6- IRP interrupt pin stops playback at once
- 7- STP stop pulse generated at end of playback
- 8- BUSY signal for CPU control
- 9- Two LEDs flash at 3 Hz internal
- 10- 3.0V to 6V single power supply operation
- 11- Low standby current (<5 A at 3V)
- 12- Auto-power down
- 13- Built-in oscillator, D/A converter, EPROM
- 14- ADPCM data compression
- 15- Optional pop noise elimination function
- 16- Cout pin drives speaker with a transistor
- 17- Development tools support
- 18- Vout1 and Vout2 drives buzzer directly
- 19- Sampling rate determined by external resistor
- 20- Holdable and unholdable triggering option
- 21- Industrial temperature available



PIN description:

TG8	Trigger Switch 8, Internal Pull LOW, Active HIGH
LED1	Drives First LED Flash at 3 Hz, Active LOW
Vout1	PWM Audio Signal Output for Buzzer
Vout2	Compliment PWM Audio Signal Output for Buzzer
GND	Power Ground
STP/BUSY	Generate 30 ms Pulse or Busy Signal After Voice Playback
LED2	Drives Second LED Flash at 3 Hz, Active LOW
Cout	Current Output from Internal DAC for Speaker Playback
OSC	Oscillator Resistor Pin to Control Sampling Frequency
TG5	Trigger Switch 5, Internal Pull LOW, Active HIGH
TG6	Trigger Switch 6, Internal Pull LOW, Active HIGH
VPP	Program Power Supply, No Connect When Voice Playback
TG1	Trigger Switch 1, Internal Pull LOW, Active HIGH
TG2	Trigger Switch 2, Internal Pull LOW, Active HIGH
Vcc	Positive Power Supply
TG3	Trigger Switch 3, Internal Pull LOW, Active HIGH
TG4	Trigger Switch 4, Internal Pull LOW, Active HIGH
SBT	One Key or Sequential Trigger, Internal Pull LOW, Active HIGH
IRP	Interrupt to Stop Playback, Internal Pull LOW, Active HIGH
TG7	Trigger Switch 7, Internal Pull LOW, Active HIGH