



# HM2054

PCM SPEECH SYNTHESIZER IC

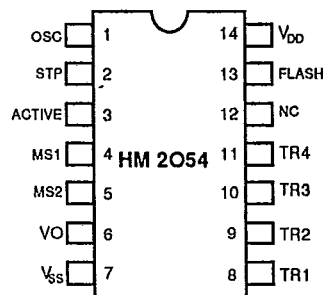
# HM2068

ADPCM SPEECH SYNTHESIZER IC

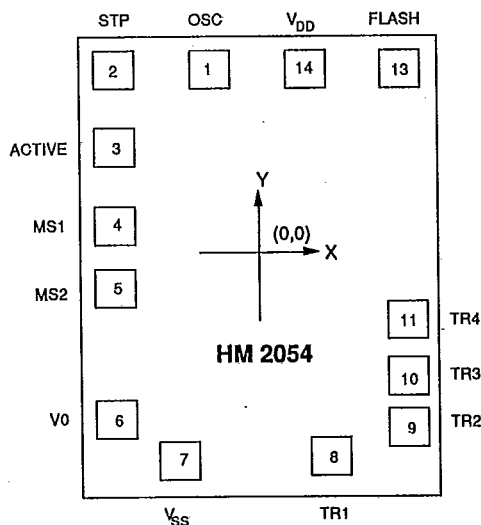
## Features

- \* Single power supply 3.0V ~ 5.0V.
- \* 3-4 seconds voice capacity.
- \* Voice duration is separated to 6 sections with arbitrary length.
- \* Provides 4 voices trigger, each triggered output is the user's defined combination (with mask option) of six voice sections.
- \* Provides One-shot mode and Level-hold mode for trigger control.
- \* Switch and CdS trigger input interface.
- \* 14 pins DIP package form/Bare chip form.
- \* Provides voice playing Indication signals & stop pulse output.
- \* Pause duration between voice sections is selected by mask option.

## Pin Assignment



## Bonding Pad Diagram



## Feature

- \* Single power supply 2.7V ~ 6.0V
- \* Built-in on chip ROM
- \* Provide CPU interface mode and manual mode.
- \* Maximum no. of voice section: 14 sections
- \* Provide a flexible section repeat and jump function which can make a group.
- \* Each group may be triggered independently.
- \* No. of trigger pin: 8 trigger pins.
- \* Provides a maximum 70 minutes long time delay.
- \* Provides one shot and level mode inputs which are selectable.
- \* 8-10 seconds voice capacity.
- \* Built in 8-bit DA converter.
- \* Package form: DIP 20 pin

## Pin Assignment

