

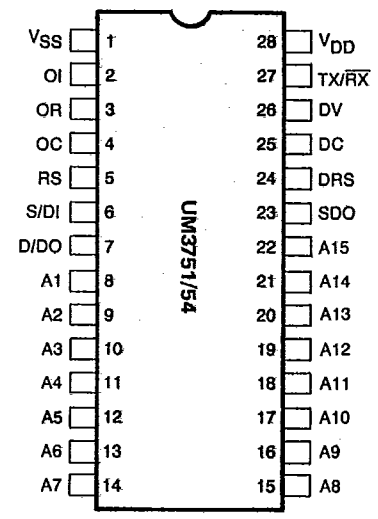


# UM3751/52/53/54/55 Programmable Encoder/Decoder

## Features

- Single chip contains both Encoder and Decoder.
- 3V to 5V operation.
- On-chip oscillator uses inexpensive non-critical RC components.
- Automatic preamble generation.
- Schmitt Trigger input provides excellent noise immunity
- Manchester code format encoding.
- Carrying 4 serial data bits (UM3754/5 only).
- Typical applications:
  - Security systems                      Remote control
  - Cordless telephones                  Digital paging systems
  - Alarm control systems                Garage door openers
  - Digital locks
- 5 versions available in 18, 20 and 28 pin DIP packages.

## Pin Configuration

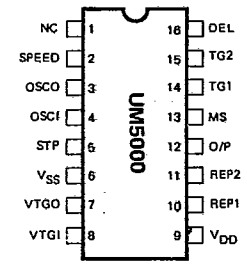


# UM5000 Series Voice Synthesizer

## Features

- Wide voltage range 3 ~ 6V
- Voice repeat function by bonding option
- DC, pulse or voice trigger
- Two sections can be selected
- Output effect is adjustable by changing oscillating frequency
- 2-4 second speech capacity with PCM technology
- Voice adjusting function
- High quality sound/voice synthesis
- Cascading capability

## Pin Configuration



## Pad Configuration

