

*Product Preview*

# Voice switched Speakerphone circuit

## Bipolar analog

The MC33318 Voice Switched Speakerphone Circuit incorporates the necessary amplifiers, attenuators, level detectors, and control algorithm to form the heart of a high quality hands-free speakerphone system.

- Low supply voltage: down to 2.5V
- 4mA supply current allows line powering
- Microphone amplifier with adjustable gain
- 3 Pin, 8-bit microprocessor port for:
  - Receive volume control (16 levels)
  - Dialling mode (Tx mute + Rx mute)
  - Tx mute (70 dB privacy)
  - Force to Rx/Tx/Idle mode
  - Attenuation gain selection
- AGC in Rx path for line powered phone
- 52 dB or 26 dB attenuator range
- Transmit and Receive background noise monitor
- Extended temperature range: -40 to +85°.

