



TCA3388

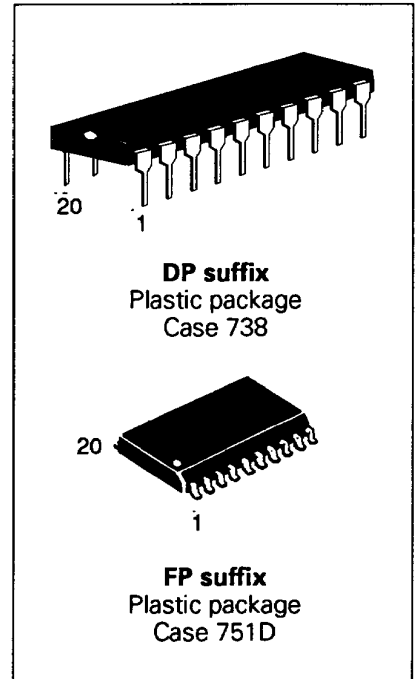
Advance Information

Speech circuit

The TCA3388 is a high density bipolar telephone speech network to replace the hybrid circuit in a telephone set. This circuit includes sidetone balance, microphone and push pull earphone amplifier, programmable impedance, programmable DC mask (French, UK, low voltage and PABX configuration) and direct interface for a DTMF/pulse dialler. Design precautions have been taken to obtain a good RFI immunity.

This circuit associated with a DTMF/pulse dialer (MC145310) and a tone ringer (MC34017) forms the basis of a low cost telephone set.

- Low voltage, low current operation: high peak-to-peak signal on the line
- DC mask programmable by external pin
- 2 to 4 wire conversion
- Programmable impedance (real or complex)
- Programmable sidetone balance with automatic line length tracking
- Automatic line length receiving and sending gain control
- Microphone amplifier with external adjustable gain (piezo or electret transducers)
- Earphone push pull amplifier with externally adjustable gain (piezo or electrodynamic transducers)
- Mute facility for transmit and receive amplifier
- Regulated supply voltage (3.6 V) with high output current capability
- Protection against excess line voltage
- Interface for DTMF/pulse dialer
- Positive and negative logic input for pulse and mute
- Hook status output.



Ordering information
TCA3388-DP Plastic DIP
TCA3388-FP SO Package

