

# M-991 Call Progress Tone Generator

- Generates standard call progress tones
- Digital input control
- Linear (analog) output
- Power output capable of driving standard line
- 14-pin DIP and 16-pin SOIC package types
- Single supply 5V CMOS (low power)
- Inexpensive 3.58-MHz time base
- Temperature range from -25° to 70° (-01 version)
- Temperature range from -40° to 85° (-02 version)

The Teltone M-991 is a call progress tone generator integrated circuit for use in telephone systems. The circuit uses low-power CMOS techniques to generate tones which are digitally controlled and highly linear. The M-991 is designed to permit operation with almost any system. The use of integrated circuit techniques allows the M-991 to incorporate the control, tone generating, and power output buffer into a single 14-pin DIP or a 16-pin SOIC. A 3.58-MHz (color burst) crystal-controlled time base guarantees accuracy and repeatability. The M-991 is available in three versions: The original M-991 14-pin DIP; the M-991-01SM 16-pin surface mount (SOIC) package; and the M-991-02SM extended temperature range SOIC version.

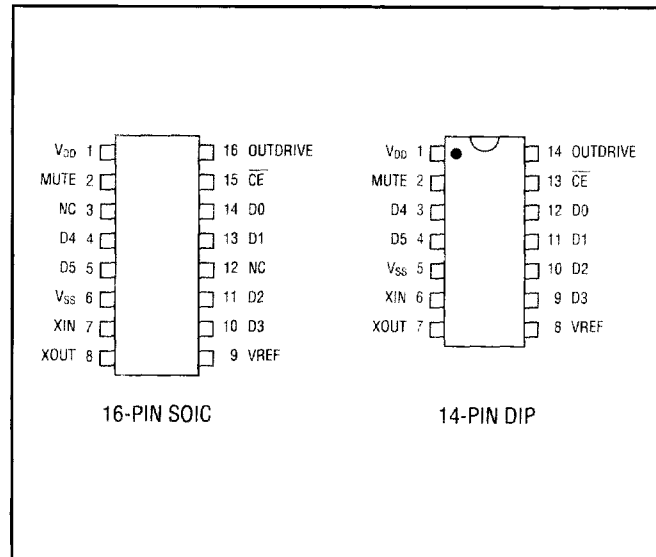


Figure 1 Pin Assignments

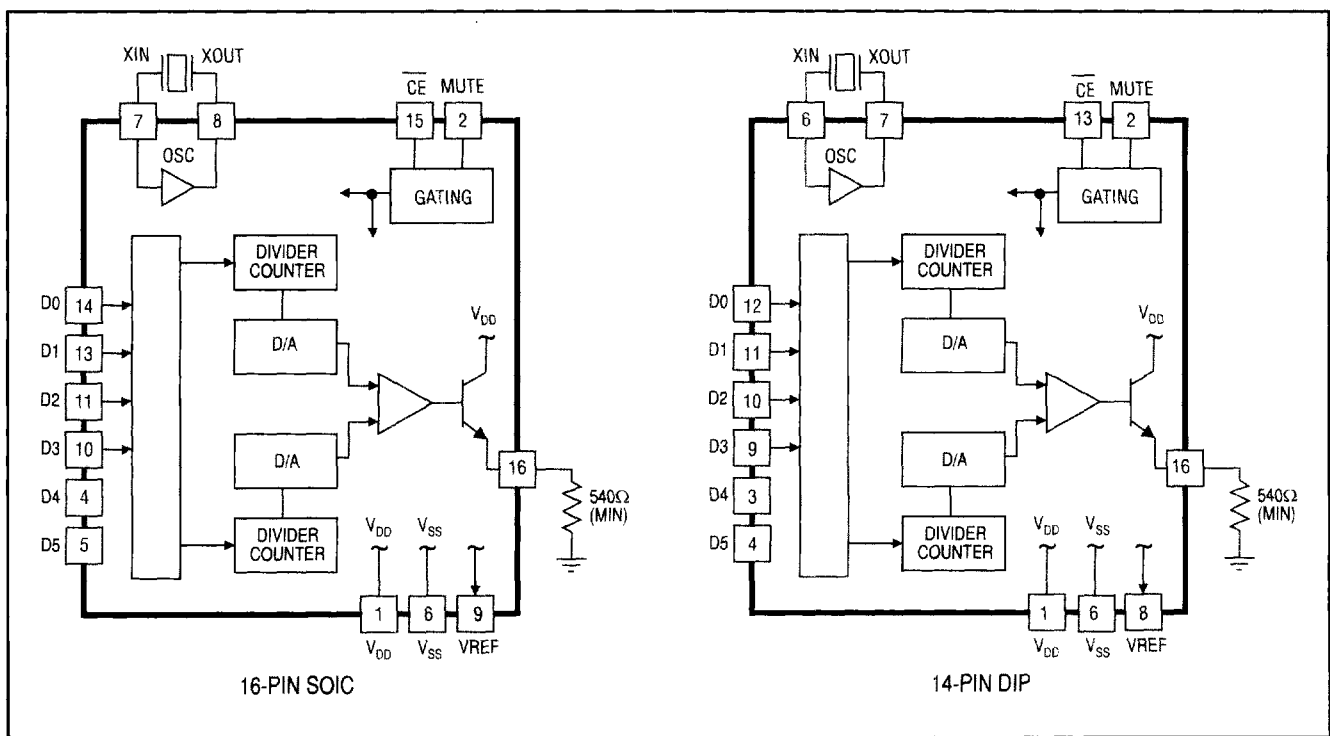


Figure 2 Block Diagram