

MX-COM, INC. MiXed Signal ICs

DATA BULLETIN

MX633 Call Progress Tone Detector

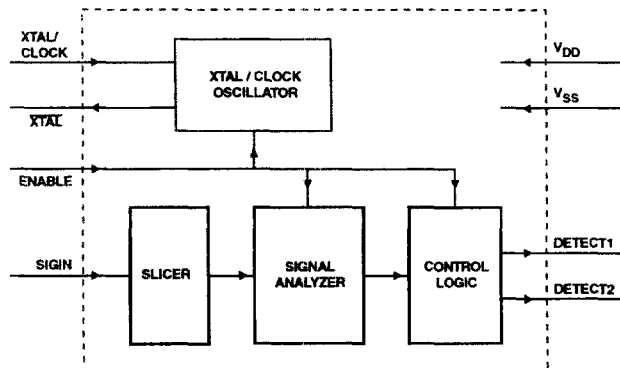
PRELIMINARY INFORMATION

Features

- Worldwide Tone Compatibility
- Single and Dual Tones Detected
- U.S. Busy-Detect Output
- Voice-Detect Output
- Wide Dynamic Range > 40dBm
- Low Supply Current (0.3mA/0.5mA)
- Low Supply Voltage (3.3V/5.0V)
- Standard 3.58MHz Xtal

Applications

- Automatic Calling Products



The MX633 is a low cost, low power device that uses signal processing techniques to detect audible tone signals such as Dial, Ringing, Busy and other conditions found when placing a call throughout the world's telecom systems. Detection of these call progress stages is essential to the proper operation of automatic calling products.

The MX633 adds new features to Call Progress monitoring. It detects and indicates the 'U.S. Busy' tones, reducing the need to measure 'tone cadence' to identify 'U.S. Busy'. It also detects and indicates voice and other signals from Call Progress tones, reducing voice-falsing and adding voice-answer as a connection prompt.

The MX633 may be used with a 3.0V to a 5.5V supply and is available in the following package styles: 8-pin PDIP (MX633P), 16-pin SOIC (MX633DW), and 24-pin TSSOP (MX633TN).