

Features

- Transformerless 2-wire to 4-wire conversion
- Battery Feed
- Ringing & Messaging Facility
- Power Down with Wake Up output
- Automatic Ring Trip
- Programmable Constant Current
- Earth Ground Button detection
- Switch Hook detection
- Interface for a programmable CODEC
- Ring ground over-current protection
- Impedance reflection
- Loop Length Indication

Applications

Line Interface for

- PABX
- Intercoms
- Key Telephone Systems
- Control Systems

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Ordering Information

MH88614 30 Pin SIL Package

0°C to 70°C

Description

The SLIC provides a complete interface between an industry standard programmable CODEC or DSP and a subscriber loop.

Functions provided include battery feed, zero crossing ring control, programmable current feed, power down with wake up signal, cadenced messaging facility, switch hook & dial pulse detection, loop length indication and the capability of reflecting a programmable CODEC's impedance or supplying a standard 600 ohm impedance to the line. The device is fabricated as a thick film hybrid using various technologies for optimum circuit design high reliability.

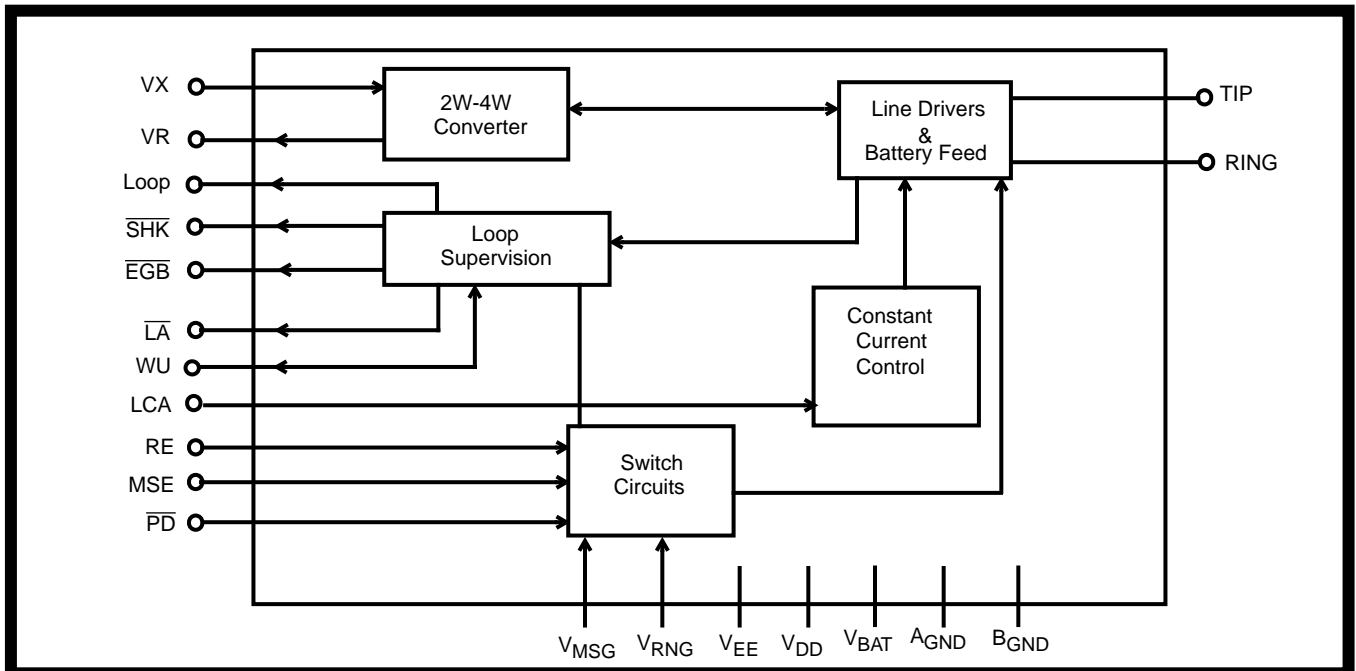


Figure 1 - Functional Block Diagram

Notes: