

Making Connections

miSLIC™ Line Circuits

- Low Cost BOM
- Ultra-low Power
- Adaptive Ringing

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Products

Voice Line Circuits

- miSLIC Series – High Performance Line Circuits
  - ZL880 - Enhanced Dual Channel Wideband FXS Line Interfaces
  - VE880 - FXS and FXD Line Interfaces
  - VE890 - Integrated FXS/FXD Line Interface
  - VE950 - General Purpose Ringing SLIC
  - VE792 - Next Generation Carrier Chipset

VE790 - High Performance

Programmable Chipset

- LE792231
- Le792288
- LE79Q2281
- LE79Q2284
- LE79112
- LE79114
- LE79232
- LE79242
- LE79252

- VE750 - Line Card Access Switches
- VE580 - General Purpose SLICs and Codec
- VE770 - SLIC/Codecs with (DTMF)
- Integrated Fixed Companding Codecs
- Multi-Featured Programmable Phone Codecs

LE79252

Intelligent Subscriber Line Interface Circuit (SLIC) - Dual

Overview

Docs & Specs

Applications

Packaging

The Le79252 Dual Intelligent Subscriber Line Interface Circuit (ISLIC) device, in combination with an Le79228xISLAC device, implements the telephone line interface function. This enables the design of a low cost, high performance, fully software programmable line interface for multiple country applications worldwide. All AC, DC, and signaling parameters are fully programmable via microprocessor or GCI interfaces on the Le79228x ISLAC devices.

Additionally, the Le79252 device has integrated self-test and line-test capabilities to resolve faults to the line or line circuit. The integrated test capability is crucial for remote applications where dedicated test hardware is not cost effective. When combined with Microsemi's Le79114 VCP II device, an optimized chip set with additional performance features can be realized.

Features & Benefits

- Monitor of two-wire interface voltages and currents supports
  - Voice transmission
  - Internal ringing generation
- Programmable DC feed characteristics
  - Independent of battery
  - Current limited
- Selectable off-hook and ground-key thresholds
- Subscriber line diagnostics
  - Leakage resistance
  - Loop resistance
  - Line capacitance
  - Bell capacitance
  - Foreign voltage sensing
- Power cross and fault detection
- Supports 85 Vrms internal ringing
- 3.3 V and battery supplies
- Dual battery operation for system power saving
  - Automatic battery switching
  - Intelligent thermal management
- Compatible with inexpensive protection networks
  - Accommodates low tolerance fuse resistors or PTC thermistors
- Metering capable
  - 12 kHz and 16 kHz
  - Smooth polarity reversal
- Tip-open state supports ground start signaling
- Integrated test load switch/relay drivers
- 5 REN with DC offset