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Making Connections

miSLIC™ Line Circuits

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

[Home](#) ▶ [Voice Line Circuits](#) ▶ [VE790 - High Performance Programmable Chipset](#) ▶ [LE79112](#)

Products

▼ Voice Line Circuits

- ▶ miSLIC Series – High Performance Line Circuits
- ▶ ZL880 - Enhanced Dual Channel Wideband FXS Line Interfaces
- ▶ VE880 - FXS and FXO Line Interfaces
- ▶ VE890 - Integrated FXS/FXO 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

LE79112

Voice Circuit Processing Device - VCP

Overview

Docs & Specs

Applications

Packaging

The Le79112 VCP device, in combination with the VE790 series chipset, supports up to 32 channels of universal telephone line interface with higher-level functionality. The Le79112 VCP device has integrated self-test and line-test, capable of meeting GR844 requirements.

Features & Benefits

- Software interface using VP API-II
- Software downloadable, field upgradeable, expandable
- Provides expanded line and circuit testing in conjunction with the VE790 Series chip sets
- DTMF detection (Q.24, up to 16 channels simultaneously)
- Quad tone and howler tone generation
- Arbitrary single tone detection
- 15-kHz energy detection
- SNR tests
- Dial pulse measurement
- Aggregated codec/filter control lowers demand on host micro-processor
- Master MPI port to the SLAC device
- Slave PCM port can be used as an alternative
- Internal PLL and timing circuits with programmable dividers
- Serial and parallel controller interface options
- 16 I/Os to support controlling up to 32 lines
- 3.3-V compliant I/O; Internal 3.3-V to 2.5-V linear regulator for the core logic

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Product Packaging & Availability

Part Number	Package Type	Pin Count	Lead-Free Option	Shipping Option(s)	Status
LE79112ADGC	LBGA	144	GREEN	Tray	Production
LE79112ADGCT	LBGA	144	GREEN	TR	Production
LE79112AKVC	TQFP	128	GREEN	Tray	Production
LE79112AKVCT	TQFP	128	GREEN	TR	Production

Packaging Information

- [Soldering Profiles](#)
- [Moisture Sensitivity](#)
- [Shelf Life](#)
- [Reliability Data](#)

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