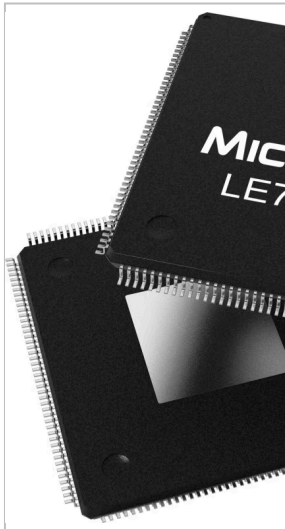


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LE792388

Next Gen Octal SLAC Device

Status: In Production.

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The LE792388 Next Generation Octal Subscriber Line Audio-processing Circuit (SLAC), in combination with the single channel LE79271 or dual LE79272 SLIC, implements a DSL friendly, high density 8-channel universal telephone line interface with wideband capability. This enables the design of a low cost, high performance, fully software programmable line interface with worldwide applicability. All AC, DC, and signaling parameters are programmable via a microprocessor interface. The LE792388 has an integrated test tool box which can be used standalone or for high density line cards you can offload a lot of the basic call control and test functions to the LE79124 or LE79128 VCP to help manage calls or resolve faults to the line or line circuit. A full API is available to run on a host processor to simplify software integration.

Low Density Chip Set:

Octal SLAC (codec) + Long Loop SLICs

Le792388 (codec) + Le79271 (SLIC) / Le79272 (Dual SLIC)

ZL792588 (codec with External/ Internal Ringing) + Le79271 (SLIC) / Le79272 (Dual SLIC)

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Product Features

Optimized for Next Generation Broadband xDSL and triple play applications

- Eliminates transients that could cause CRC errors

Best-in-class GR-844 equivalent testing capability

Ideal for high density, medium and large line count applications

API-compatible with VE790 Series designs

High performance digital signal processor provides programmable control of all major line card functions

- A-law/ μ -law and linear codec/filter
- Transmit and receive gain, Two-wire AC impedance, Transhybrid balance, Equalization
- DC loop feeding
- Loop supervision
- Internal ringing generation and integrated ring-trip detection
- Metering generation at 12 kHz and 16 kHz Envelope shaping and level control
- Envelope shaping and level control

Enhanced line control and line-test support

- DTMF and Modem Tone Detection
- GR-909 and GR-844 Line and circuit testing capability
- Tone generation (DTMF, FSK, and arbitrary tone)

Standard PCM and MPI digital interfaces

General purpose I/O pins, can be used as relay drivers

Features with Le79124 or LE79128 VCP

- 72 to 128 channel call aggregation
- GR-844 equivalent line testing

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Parametrics

Application

NGCC Octal SLAC

Series	VE792
Loop Length	Long
Battery Topology	Fixed
SOC Interface	PCM/MPI
Output Voltage (V) max	140
Number of Ports	8









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