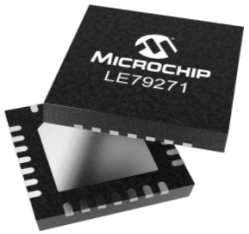

LE79271

Next Gen Carrier Chipset SLIC

Status: In Production

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Overview | Documents | Development Environment | RoHS Information | Add to Cart

Device Overview

Summary

The LE79271 Next Generation Subscriber Line Interface Circuit (SLIC) device, in combination with an LE792388 SLAC device, implements a DSL friendly, high density universal telephone line interface. 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. Additionally, the NGCC chip-set has integrated self-test and line-test capabilities to resolve faults to the line or line circuit.

For product comparison, please consider: LE79272

Additional Features

Designed to minimize POTS transients, optimizing CRC performance for triple play applications

Best-in-class GR-844 equivalent testing

- Fully validated test primitives and host routines
- Guaranteed performance parameters

Optimized for best-in-class density

Monitor of two-wire interface voltages and currents supports:

- Voice transmission
- Internal ringing generation
- Programmable DC feed characteristic
- Current limited and independent of battery
- Selectable off-hook and ground-key thresholds
- Subscriber line diagnostics
- Leakage and loop resistance
- Line capacitance and bell capacitance
- Foreign voltage sensing
- Power cross and fault detection

Supports 85 Vrms internal ringing

- Supports balanced and unbalanced ringing

3.3 V and battery supplies

- Supports two negative and one positive battery

Dual battery operation for system power saving

- Automatic battery switching
- Intelligent thermal management

Compatible with inexpensive protection networks

Metering capable

- 12 kHz and 16 kHz
- Smooth polarity reversal

Tip-open mode supports ground start signaling

Integrated test load switch

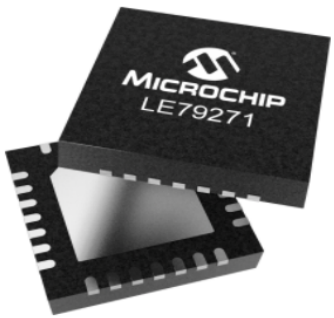
5 REN with DC offset

Features with Le79124 VCP

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

Parametrics

Name	Value
Application	NGCC SLIC
Series	VE792
Loop Length	Long
Battery Topology	External
Output Voltage (V) max	150
Number of Ports	1



LE79271 ☆

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RoHS Information

Part Number	Device Weight (g)	Shipping Weight (Kg)	Lead Count	Package Type	Package Dimension	Solder Composition	JEDEC Indicator
LE79271AMQC	0.055600	0.734694	28	VQFN	4x5x1mm	Matte Tin	e3
LE79271AMQCT	0.055600	0.370000	28	VQFN	4x5x1mm	Matte Tin	e3
LE79271MQC	0.055600	0.734694	28	VQFN	4x5x1mm	Matte Tin	e3
LE79271MQCT	0.055600	0.370000	28	VQFN	4x5x1mm	Matte Tin	e3

To see a complete listing of RoHS data for this device, please Click here
Shipping Weight = Device Weight + Packing Material weight. Please contact sales office if device weight is not available.

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