LE79271 PRODUCT PROFILE

Next Generation Carrier Chipset (NGCC) Subscriber Line Interface Circuit (SLIC)

PRODUCT STATUS: PRODUCTION

Overview

Technical Documents

Tools & Software

Applications

Packaging & availability

Support

Where to Buy

DETAILED BLOCK DIAGRAM (CLICK TO ENLARGE)

FEATURES & BENEFITS

- 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

SOFTWARE URLS

- LE79124SLBT: VCP2-VP792 Code Load - Basic Test
- LE79124SLATP: VCP2-VP792 Code Load - Advanced Test with Calibration
- LE79124SLAT: VCP2-VP792 Code Load - Advanced Test

TYPICAL APPLICATIONS

- Cost-effective voice solution for long or short loops providing POTS and integrated test capabilities

  - IVD
  - CO, DLC
  - Voice-enabled DSLAM
  - PBX/KTS
  - MSAP, MSAN

PRODUCT PACKAGING & AVAILABILITY

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PACKAGING INFORMATION

- Soldering Profiles
- Moisture Sensitivity
- Shelf Life
- Reliability Data

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