


SLIC 4-CH 3.3V 44-Pin PLCC Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	PLCC44
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	LTB



Images are for reference only

[Inquiry](#)

General Description

The four-channel QLSLAC devices handle the analog-to-digital and digital-to-analog conversion, filtering, compression and expansion functions required to interface a telephone's analog voice signals to the digital PCM highway or General Circuit Interface (GCI).

Key Features

Low-power, 3.3 V CMOS technology with 5-V tolerant digital inputs

Software and coefficient compatible to the Le79Q02/ 021/031 QSLAC device

Performs the functions of four codec/filters

Software programmable:

- SLIC device input impedance
- Transhybrid balance
- Transmit and receive gains
- Equalization (frequency response)
- Digital I/O pins
- Programmable debouncing on one input
- Time slot assigner
- Programmable clock slot and PCM transmit clock edge options
- Standard microprocessor interface
- A-law, μ -law, or linear coding
- Single or Dual PCM ports available
- Up to 128 channels (PCLK at 8.192 MHz) per PCM port
- Optional supervision on the PCM highway
- 1.536, 1.544, 2.048, 3.072, 3.088, 4.096, 6.144, 6.17, or 8.192 MHz master clock derived from MCLK or PCLK
- Built-in test modes with loopback, tone generation, and 0P access to PCM data
- Mixed state (analog and digital) impedance scaling
- Performance guaranteed over a 12 dB gain range
- Real Time Data register with interrupt (open drain or TTL output)
- Supports multiplexed SLIC device outputs
- Broadcast state
- 256 kHz or 293 kHz chopper clock for SLIC devices with switching regulator
- Maximum channel bandwidth for V.90 modems

Application

Codec function on telephone switch line cards

Recommended For You

LE9540DUQC

Microchip Technology, Inc

QFN

Le79Q2281DVC

Microchip Technology, Inc

QFP

Le9641PQC

Microchip Technology, Inc

QFN

LE79252BTC

Microchip Technology, Inc

QFP

LE88266DLC

Microchip Technology, Inc

QFP

Le88830KQC

Microchip Technology, Inc

QFN

Le58QL021BVC

Microchip Technology, Inc

QFP

Le9530DETC

Microchip Technology, Inc

QFP

Le79124KVC

Microchip Technology, Inc

QFP

LE89900AMC

Microchip Technology, Inc

MSOP10

LE79R241DJC

Microchip Technology, Inc

PLCC32

Le79555-2BVC

Microchip Technology, Inc

TQFP44

LE57D121BTC

Microchip Technology, Inc

QFP

LE9500DBJC

Microchip Technology, Inc

PLCC28

LE79R79-1DJC

Microchip Technology, Inc

PLCC32