


## SLIC 4-CH 3.3V 44-Pin TQFP Tray

<b>Manufacturer:</b>	<u>Microchip Technology, Inc</u>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Communication & Networking ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	LTB



Images are for reference only

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### 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,  $\mu$ -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 OP 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

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### **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

### **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

### **LE79555-2BVCT**

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44-TQFP