Dual Subscriber Line Interface Circuit

Manufacturer:	Microchip Technology, Inc
Package/Case:	QFN48
Product Type:	Communication & Networking ICs
RoHS:	RoHS Compliant/Lead free RoHS
Lifecycle:	Active
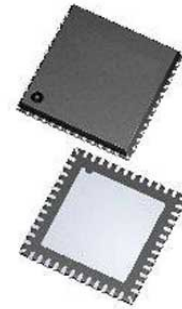
Images are for reference only

Inquiry

General Description

The miSLIC™ Line Circuits together with a VoIP processor or SoC, provide an economical turn-key solution for derived voice applications. The miSLIC devices are controlled by a VoIP processor or SoC through a simple, single serial interface.The dual channel Le9642 miSLIC device uses energy efficient shared power supply topologies for reduced BOM cost. The Le9642 can be configured for patent-pending shared Buck-Boost Automatic Battery Switching (BBABS) or for shared flyback ABS (FBABS) operation. Ringing and system power management are supported to limit the peak power requirements of each telephone line FXS port. The dual channel Le9642 features wideband clarity and complete BORSCHT functionality.Manufacturing test and subscriber line testing are standard features. All AC, DC, and power parameters are programmable making the miSLIC device suitable for any application requiring SLIC functionality.Key

Key Features

Economical, fifth generation line interface solution for VoIP processors and SoCs

Smaller, 48-pin 7x7 mm QFN package

Dual Channel Architecture

Single port 4-wire interface control (ZSI)

Compatible with numerous VoIP processors and SoC solutions

Less expensive isolation than multi-port control

Simplifies board routing

VoicePath SDK and VP-API-II software available to implement FXS functions

VeriVoice Professional Test Suite Software

Comprehensive subscriber loop testing, including Telcordia GR-909-CORE / TIA-1063 diagnostic testing

Industry leading advanced test software

VeriVoice Manufacturing Test (VVMT) Package

Facilitates factory testing and calibration of assembled boards

Low cost, energy efficient, shared switching regulator architectures

Dual output power supplies

Integrated battery switches

Up to 70 VRMSopen circuit ringing with 5 REN load

Low cost, 2-Layer PCB reference designs

Complete wideband BORSCHT functionality

Worldwide programmability

Per channel narrowband or wideband operation

Recommended For You

LE9540DUQC	Le79Q2281DVC	Le9641PQC
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
QFN	QFP	QFN

LE79252BTC	LE88266DLC	Le88830KQC
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
QFP	QFP	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

Le58QL021BVC

Microchip Technology, Inc

Le9530DETC

Microchip Technology, Inc

Le79124KVC

Microchip Technology, Inc