
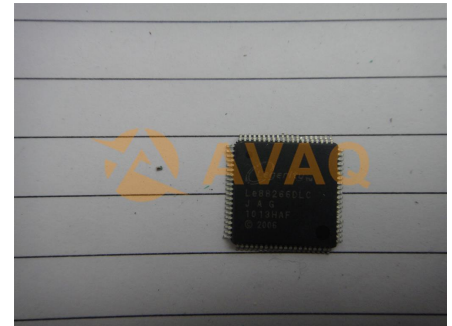


## Auto Battery Switching 80-Pin LQFP EP Tray

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



Images are for reference only

[Inquiry](#)

## General Description

The Le88266 Automatic Battery Switching (ABS) VoicePort device implements a dual-channel telephone line interface by providing all the necessary voice interface functions from the high voltage subscriber line to the  $\mu$ P/DSP digital interface. The ABS device can operate from external battery supplies, or from supplies generated by the on-chip switching regulator controllers. This device reduces system level cost, space, and power. Designers benefit by having a simple, cost effective, low-power and dense, interface design without sacrificing features or functionality. The programmable, feature rich VoicePort device provides a highly functional line interface which meets the requirements of short and medium loop (up to 1500 Ohms total at 1 REN) applications.

## Key Features

- Complete BORSCHT function for 2 channels in a single VoicePort device
- Battery Feed, Over-voltage support, integrated Ringing, line Supervision, Codec, Hybrid (2W/4W), Test
- Integrated Power Management
- Integrated high voltage switching regulator controller
- Wide input voltage range (VSW = +4.75V to +35 V)
- Generates supplies for VBH, VBM & VBL
- Low power Idle and On-hook transmission states
- Worldwide Programmability
- Two-wire AC impedance, Balance Impedance, Gain
- DC feed voltage and current limit Ringing frequency, voltage and current limit
- 12 kHz and 16 kHz Metering
- Programmable loop closure and ring trip thresholds
- Ringing
- 5 REN with pin for pin compatible 100-V (Le88266) and 120-V (Le88286) devices
- Up to 110-Vpk internal balanced sinusoidal or trapezoidal ringing with programmable DC offset
- Powerful signal generator

Universal Caller ID generation

Up to 4 simultaneous tones

Automatic cadencing feature

VoicePath API-II Software available to implement FXS functions

Supports device calibration

Line configuration via VoicePath Profile Wizard

VeriVoice Test Suite Subscriber Loop Test

Seamless integration with API-II software

Utilizes integrated self test capabilities

Line fault detection and reporting

Pin selectable PCM/MPI or GCI interface

G.711  $\mu$ -law, A-law, or 16 bit linear coding

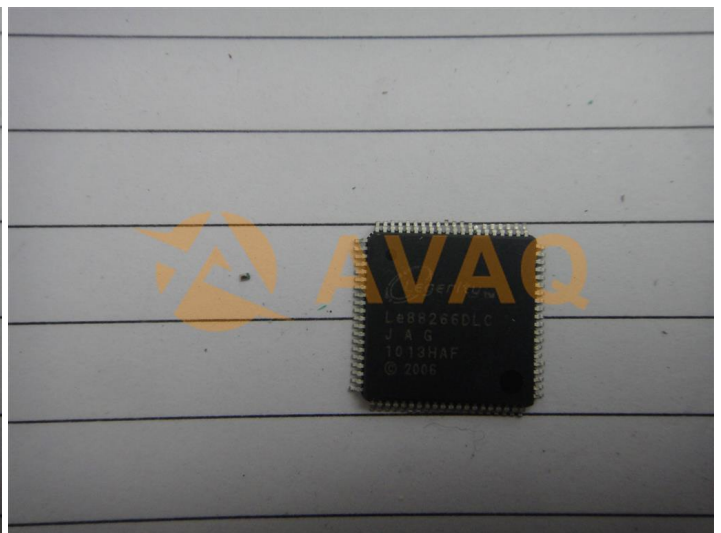
Wideband 16 kHz sampling mode

Integrated 150 mW 3-V Relay Driver

External catch diode required

Small footprint package - Exposed pad 80-pin LQFP

Minimal external discrete components required



## Recommended For You

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### Le9540DUQC

Microchip Technology, Inc

QFN

### Le79Q2281DVC

Microchip Technology, Inc

QFN

### Le9641PQC

Microchip Technology, Inc

QFN

**LE79252BTC**

Microchip Technology, Inc

QFP

**Le88830KQC**

Microchip Technology, Inc

QFN

**Le58QL021BVC**

Microchip Technology, Inc

QFP

**Le9530DEIC**

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**

Microchip Technology, Inc

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