


Tracking Battery VoicePort Device 5V/9V/12V/15V/18V/24V/28V 80-Pin eLQFP Tray



Images are for reference only

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

[Inquiry](#)

General Description

The Le88276 Tracking Battery 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 μ P/DSP digital interface. 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) 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 controllers
- Wide input voltage range (VSW = +3.3V to +35 V)
- Switching power supply tracks line voltage minimizing active & ringing state power dissipation
- 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
- Up to 140-Vpk internal balanced sinusoidal or trapezoidal ringing with programmable DC offset

Unbalanced ringing for PBX trunk compatibility

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 μ -law, A-law, or 16 bit linear coding

Wideband 16 kHz sampling mode

Integrated 150 mW 3-V or 5-V Relay Driver

Small footprint package

Exposed pad 80-pin LQFP

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