


Tracking Battery Wideband 24-Pin QFN Tray

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



Images are for reference only

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General Description

The programmable, feature rich VoicePort chipset 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 chipset

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 chipset 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 Relay Driver

Small footprint chipset

64-pin TQFP and exposed pad 24-pin QFN



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

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

LE79555-2BVCT

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