



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Features

- **Next Generation ZL880 VoicePort Family with Enhanced Features and Performance**
 - Same API interface as the *VE880 Series*
 - 35% lower BOM cost than previous generation
- **Complete BORSCHT Functions for Two FXS Channels in a Single 64-Pin QFN Package**
 - **B**attery feed, **O**ver-voltage support, integrated **R**inging, line **S**upervision, **C**odec, **H**ybrid (2W/4W), and **T**est
- **Integrated Power Management**
 - Switching power supply tracks line voltage minimizing active and ringing power dissipation
 - Low Power Idle Mode with 45 mW consumption
 - Internal FET drive circuit for lower BOM count
 - Integrated real-time power monitoring tool
- **Ringing**
 - 5 REN with pin for pin compatible 100-V (ZL88701) and 150-V (ZL88702) devices
 - Up to 140-V_{PK} internal sinusoidal or trapezoidal ringing with programmable DC offset
 - Adaptive ringing for lower power
- **Worldwide Programmability**
 - Input impedance, balance impedance, gain
 - DC feed voltage and current limit
 - Ringing frequency, voltage and current limit
 - G.711 μ -law, A-law, or 16 bit linear coding
 - Call progress tone and Caller ID generation
 - Sample coefficients for more than 70 countries
- **Pin-Selectable PCM/MPI or ZSI Interfaces**
 - SPI Mode 0 and 3 support and no inter byte \overline{CS} off time. Also supports legacy MPI Interface.
 - ZSI Mode for a smaller number of interface signals to the host and less expensive isolation
- **VoicePath SDK and VP-API-II Software Available to Implement FXS Functions**
- **VeriVoice Software Suites Available for Manufacturing and Subscriber Loop Testing**
 - Utilizes integrated test tool box

142170

June 2012

Ordering Information

Device OPN ¹	Device Type	Package	Packing
ZL88701LDF1	100V-Tracker	64-pin QFN (9x9)	Tape & Reel
ZL88701LDG1	100V-Tracker	64-pin QFN (9x9)	Tray
ZL88702LDF1	150V-Tracker	64-pin QFN (9x9)	Tape & Reel
ZL88702LDG1	150V-Tracker	64-pin QFN (9x9)	Tray

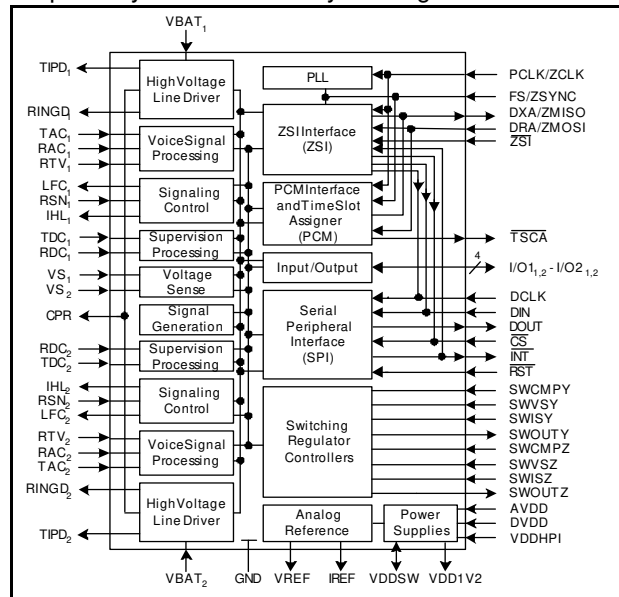
1. *The Green package meets RoHS Directive 2002/95/EC of the European Council to minimize the environmental impact of electrical equipment.*

Applications

- **DSL Residential Gateways and Integrated Access Devices (IADs)**
- **Cable eMTAs**
- **PON Single Family Units (SFUs)**
- **Fiber to the Premise/Home/Building (FTTx) Multiple Dwelling Units (MDUs)**

Description

The Microsemi® ZL88701/702 Dual Channel Tracking Battery Wideband VoicePort Device provides complete BORSCHT functions for two telephone line FXS ports. This device is part of the new *ZL880 Series* featuring enhanced functionality, lower BOM cost, and greater power efficiency, while maintaining software compatibility with the industry leading *VE880 Series*.



VoicePort Device Block Diagram

