

VE750 SERIES

APPLICATIONS

- Central Office (CO)
- Digital Loop Carrier (DLC)
- Private Branch Exchange (PBX)
- Broadband Loop Carrier
- Voice Enabled DSLAM
- Integrated Voice and Data (IVD)

OVERVIEW

The VoiceEdge™ VE750 Series of Line Card Access Switches (LCAS) is comprised of monolithic solid-state switches designed to provide both power ringing and test access on the analog line.

These devices include the Le75181, Le75183 and Le75282 devices, and while not pin-for-pin replacements for the traditional electromechanical relay (EMR) solution, they provide the equivalent switching functionality without the problems caused by electromechanical interference. In addition, their monolithic design improves reliability by eliminating the need for any moving parts.

FEATURES

- Monolithic IC Design
- Low impulse noise
- Make-before-break, break-before-make
- Clean, bounce-free switching
- Low, matched ON resistance
- Built-in current limiting, thermal shutdown and SLIC protection
- 5 V only operation
- Battery monitor, all OFF state upon loss of battery
- No EMI
- Latched logic level inputs, no drive circuitry

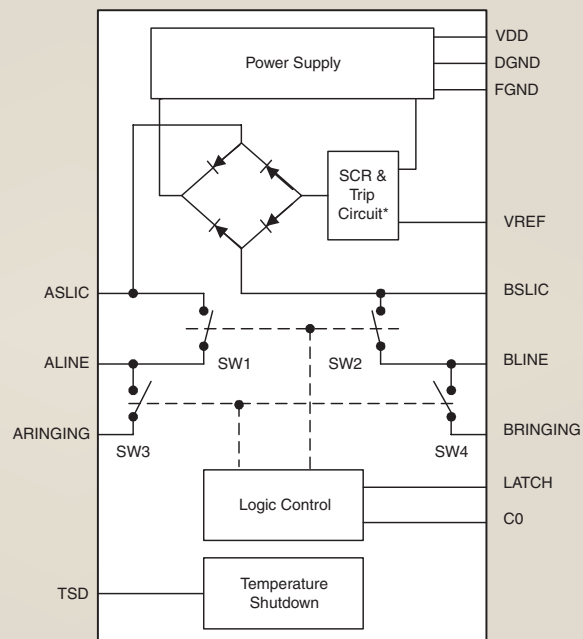
BENEFITS

- High reliability
- Simplify system design for TR-57 standard for POTS only, and for minimized CRC in IVD applications
- Versatile operation to meet system noise and switching requirements
- Low Noise
- Meets GR-57 longitudinal balance requirements
- Robust protection with a single external secondary protection device
- Very low power consumption
- Robust system design
- Avoid destructive electromechanical interference
- No relay driver needed

SYSTEM BLOCK DIAGRAM



Le75282 Device

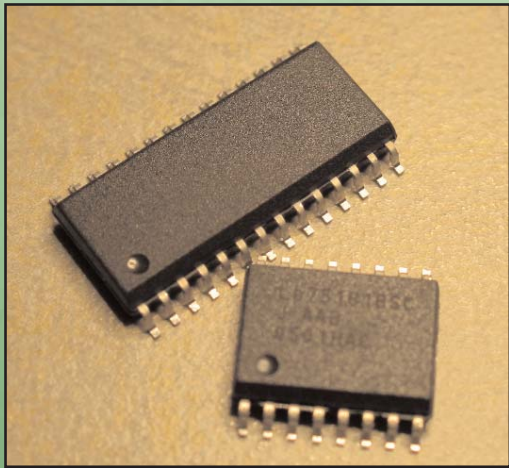


Development Tools

Legerity provides a world-class suite of development tools to facilitate the integration of voice into end-user applications and to significantly reduce design time.

Legerity's Software Development Kit (SDK) is a package of software tools with optional hardware tools that can be designed using Legerity's voice solutions.

Our VoicePath™ Application Programming Interface II (VP API-II) provides a standard software interface for controlling, supervising, and performing line testing using Legerity's voice termination devices.



Le75181 and Le75183 Devices

THE LEGERITY VE750 LINE CARD ACCESS SWITCHES ARE THE INDUSTRY'S FIRST STANDARD DEVICES TO INCORPORATE "FOLDBACK" TECHNOLOGY AND FEATURE THE ONLY LCAS IN THE INDUSTRY WITH DUAL ARCHITECTURE, WHICH ENABLES IT TO SERVE TWO CHANNELS FROM A SINGLE UNIT.

RELATED COLLATERAL AVAILABLE ON WWW.LEGERITY.COM

- Le75181 Data Sheet (#081105)
- Le75282 Data Sheet (#081123)
- Le75183 Data Sheet (#081126)



Legerity was acquired on August 3, 2007 by Zarlink Semiconductor and was incorporated into the Wired Communications product group which also includes Zarlink's timing, synchronization, voice processing and hands free products.

Legerity products are the world's most trusted name in voice integrated circuits (ICs) and have earned industry trust through years of demonstrated expertise in multiple voice technologies. With its office in Austin, Texas, Zarlink's Legerity voice products support the needs of a diverse, global customer base through proprietary semiconductor technologies.

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To find the Legerity Sales Office nearest you, visit our website at: www.legerity.com or email sales@legerity.com
To download or order data sheets, application notes, or evaluation tools, go to: www.legerity.com
For all other technical inquiries, please email Legerity Tech Support at: techsupport@legerity.com

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