

APPLICATION

Zarlink's VE950 Series consists of single-channel and dual-channel devices optimized to provide battery feed, ringing, and supervision on short loop plain old telephone service (POTS) loops. These devices are optimized to interface to SoCs with an integrated codec.

The VE950 Series significantly increases design flexibility, improves system performance and reduces system BOM cost. The single- and dual-channel SLICs are offered in footprint compatible package options as well as voltage-grade options. This enables the designer to develop one application for all worldwide markets, saving both time and money. Each channel of these SLICs can provide up to -145 V power ringing to the subscriber loop through amplification of a low-voltage input. These ultra-low power devices consume less power than any SLIC

solution available in the market. The VE950 SLICs have excellent thermal performance, providing improved reliability and simplified PCB layout compared to alternative SLIC solutions. In addition to superior performance, the VE950 SLICs require the fewest number of external components, translating to the lowest BOM cost. The high voltage design and patent pending Common Protection Reference (CPR) of the VE950 Series allows developers to use alternative protection options, thereby lowering the cost of the protection BOM. The VE950 Series of SLIC devices is fully compliant to all worldwide specifications and provides designer with a world-class and field proven solutions.

VE950 Application Diagram

