

ZL38063

Microphone Array ASR-assist Audio Processor

Hardware Features

- DSP with Voice Hardware Accelerators
- SPI or I2C Slave port for host processor interface
- General purpose UART port for debug
- Master SPI port for serial Flash interface
 - Boots from SPI or Flash
- Flash firmware can be updated from SPI Slave
- 14 General Purpose Input/Output (GPIO) pins (11 with the 56 pin WLCSP)
- 2 low power modes controlled by reset



The *MiTuner*™ Automatic Tuning Kit and ZLS38508 *MiTuner* GUI

Microsemi's Automatic Tuning Kit option includes:

- Audio Interface Box hardware
- Microphone and Speaker
- ZLS38508 *MiTuner* GUI software
- Allows tuning of Microsemi's *AcuEdge* Technology Audio Processor

The ZLS38508 software features:

- Auto Tuning and Subjective Tuning support
- Provides visual representations of the audio paths with drop-down menus to program parameters, allowing:
 - Control of the audio routing configuration
 - Programming of key blocks in the transmit (Tx) and receive (Rx) audio paths
 - Setting analog and digital gains
- Configuration parameters allow users to “fine tune” the overall performance

Tools

- ZLK38000 Evaluation Kit
- *MiTuner*™ ZLS38508 and ZLS38508LITE GUI
- *MiTuner*™ ZLE38470BADA Automatic Tuning Kit



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