

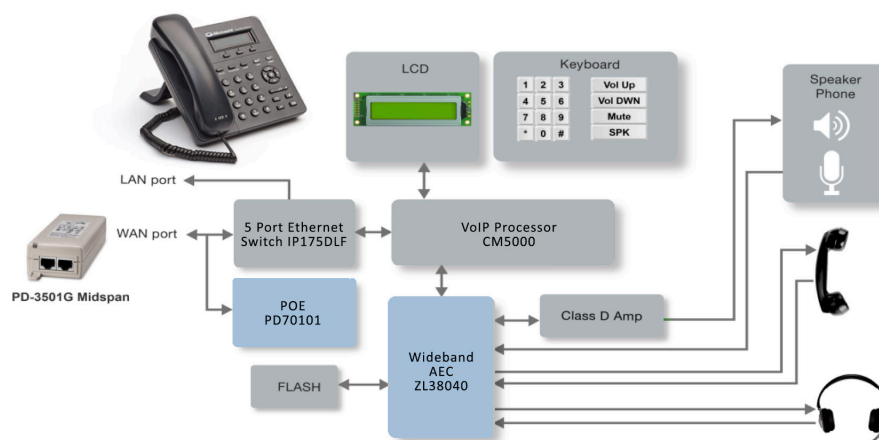
Microsemi Timberwolf™ Audio Processor

HD Voice Audio for IP Phone

IP Phone Reference Design (ZLE38640)

The IP Phone Reference Design board has the following feature set:

- Microsemi ZL38040 Advanced Audio Processor
- High-fidelity 16 kHz sampling
- Acoustic Echo Canceller (AEC)
- Speakerphone, Wideband Handset, and Headset interfaces
- Microsemi Power over Ethernet or 5V power operation



IP Phone Reference Design

Microsemi Auto Tuning Tool (ZLE38470)

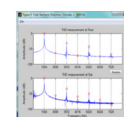
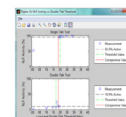
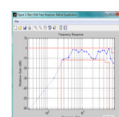
Microsemi's MiTuner™ Kit eases the system tuning complexity and speed up design cycle for quick development. MiTuner™ kit provides hardware, software and support for the automatic tuning of Timberwolf family of audio processors.

Calibration



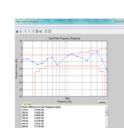
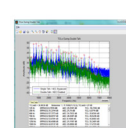
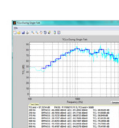
Tuning Results provides good starting point for subjective tuning

Tuning



Results based off TIA920/P.1100

Testing



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