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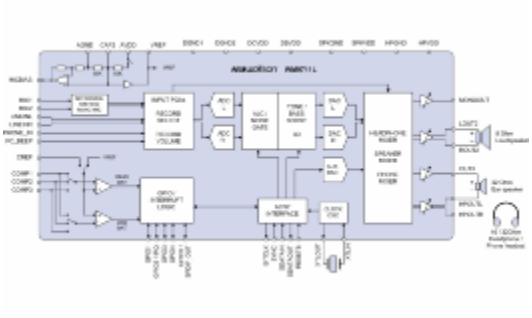
Products : CODECs

WM9711 : Low Power Audio Codec for Portable Applications



FEATURES

- AC'97 Rev 2.2 compatible stereo codec
- DAC SNR 94dB, THD –87dB
- ADC SNR 92dB, THD –87dB
- Variable Rate Audio, supports all WinCE sample rates
- Tone Control, Bass Boost and 3D Enhancement
- On-chip 45mW headphone driver
- On-chip 400mW mono speaker driver
- Stereo, mono or differential microphone input
- Automatic Level Control (ALC)
- Auxiliary mono DAC (ring tone or DC level generation)
- Seamless interface to wireless chipset
- Up to 5 GPIO pins
- 2 comparator inputs for battery monitoring
- 1.8V to 3.6V supplies
- 7x7mm QFN

DESCRIPTION

The WM9711L is a highly integrated inp
device designed for mobile computing a
communications. The device can conne
mono or stereo microphones, stereo he
and a mono speaker, reducing total cor
in the system. Additionally, phone input
pins are provided for seamless integrat
wireless communication devices.

The WM9711L also offers five GPIO pi
interfacing to buttons or other digital de
monitor the battery voltage in portable s
WM9711L has two uncommitted compa

All device functions are accessed and c
through a single AC-Link interface com
AC'97 standard. Additionally, the WM9
generate interrupts to indicate low batte
battery, thermal cut-out and GPIO conc

The WM9711L operates at supply volta
to 3.6 Volts. Each section of the chip ca
down under software control to save pc
device is available in a small leadless 7
package, ideal for use in hand-held por

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