

## General Description

ET2316 is a four-channel audio processor with Volume, Bass, Treble, Balance, and Loudness control. External input gain selection and loudness control are supported, and all functions are programmable using the I2C bus. The AC response of ET2316 is adjustable by using different parameter of external resistor and capacitor.

By using advanced Bipolar/CMOS integrated circuit process, ET2316 achieves very low total harmonic distortion ,low noise and low DC drift.

## Features

- Multiple Input Selection :
  - —4 Channel Stereo Inputs
  - —Input Gain can be adjusted due to different audio sources.
- 2 Channel Output Attenuators :
  - —2 Channel attenuators are control independently. 1.25dB Volume and Loudness step.
  - —Independent Mute Function
- Fully Differential Input and Output
- Power Supply Range : 2.7 ~ 6 V
- All Functions are Programmable Using the I2C Bus
- Loudness Control
- 1.25dB Volume Step
- Bass and Treble Control
- Input/Output for External Noise Reduction System/Equalizer
- Package : LQFP44

## Applications

- Car Stereo(Audio)
- Hi-Fi Audio System
- MP3
- Mobile Phone

## Pin Configuration

