

## General Description

The ET2354 is a 4 stereo inputs/2-channel outputs digital control audio processor for the low voltage operation. Volume, tone(bass treble), balance(left/right) processor are incorporated into a single chip. The ET2354 also has the loudness function & selectable input gain. These functions can be built a Hi-Fi audio system easily. All functions are programmable via the serial I2C bus. The default states of the chip as the power is on are: the volume is -78.75dB, the stereo 4 is selected, all the speakers are mute & the gains of the input stage, the bass & the treble are 0dB.

## Features

- Operation range: 2.7V~5V
- 4 stereo inputs with selectable input gain
- 2 independent speaker controls for balance
- Tone controls (treble & bass)
- Loudness & independent mute function
- Volume control in 1.25dB/step
- I2C interface
- Components less & good PSRR
- Housed in SOP28,TSSOP28(ET2354V) package

## Applications

- Portable audio device
- Car stereo audio
- Hi-Fi audio system

## Pin Configuration

