

## 2 Channels Electronic Volume

### ■GENERAL DESCRIPTION

The NJU72341 is a 2 channels I<sup>2</sup>C electronic volume IC with external mute controls.

The NJU72341 has many characteristics that are useful in audio application, such as low noise, low distortion, and wide operating voltage range.

All functions are controlled by I<sup>2</sup>C BUS interface.

### ■FEATURES

- |                                |                              |
|--------------------------------|------------------------------|
| ● Operating Voltage            | V <sub>+</sub> =4.5V ~ 14.5V |
| ● Input Gain                   | 0dB/+3dB/+6dB/+9dB           |
| ● Volume                       | 0~-95dB/Mute , 1dBstep       |
| ● Low Distortion               | 0.002% typ.                  |
| ● Low Noise                    | 2.0μVrms typ.                |
| ● External Mute                |                              |
| ● Zero Cross Detection         |                              |
| ● I <sup>2</sup> C BUS Control |                              |
| ● CMOS Technology              |                              |
| ● Small Package                | SSOP14                       |

### ■BLOCK DIAGRAM