



---

---

## 2-Channel Audio Processor IC

---

---

**PT2315**

### Description

PT2315 is a two-channel digital audio processor utilizing CMOS Technology. Volume, Bass, Treble and Balance Controls are incorporated into a single chip. Loudness Function is also provided to build a highly effective electronic audio processor having the highest performance and reliability with the least external components. All functions are programmable using the I<sup>2</sup>C Bus. The pin assignments and application circuit are optimized for easy PCB layout and cost saving advantage for audio application. Housed in a 20-pin DIP/SO Package, PT2315 is pin-to-pin compatible with TDA7315 and is very similar in performance with the later.

### Features

- CMOS Technology
- Least External Components
- Treble and Bass Control
- Loudness Function
- Input/Output for External Noise Reduction System/Equalizer
- 2 Independent Speaker Controls for Balance Function
- Independent Mute Function
- Volume Control in 1.25 dB/step
- Low Distortion
- Low Noise and DC Stepping
- Controlled by I<sup>2</sup>C Bus Micro-Processor Interface
- Pin-to-pin Compatible with TDA7315

### Applications

- Car Stereo (Audio)
- Hi-Fi Audio System
- Can be used in all I<sup>2</sup>C System Applications

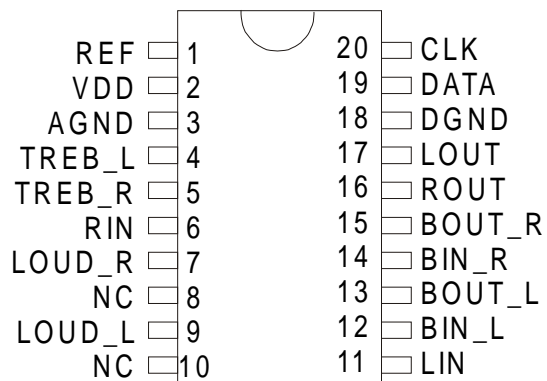
Note: Purchase of I<sup>2</sup>C Component of Princeton Technology Corporation (PTC) conveys a license under Philips I<sup>2</sup>C Patent Right to use these components in any I<sup>2</sup>C System, provided that the system conforms to the I<sup>2</sup>C Standard Specification defined by Philips



## 2-Channel Audio Processor IC

## PT2315

### Pin Configuration



PT2315

### Order Information

Valid Part Number	Package Type
PT2315-D	20 Pins, DIP (300 mil)
PT2315	20 Pins, SO (300 mil)



## 2-Channel Audio Processor IC

## PT2315

### Application Circuit

