



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 I²C 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 I²C Bus Micro-Processor Interface
- ☐ Pin-to-pin Compatible with TDA7315

Applications

- ☐ Car Stereo (Audio)
- ☐ Hi-Fi Audio System
- ☐ Can be used in all I²C System Applications

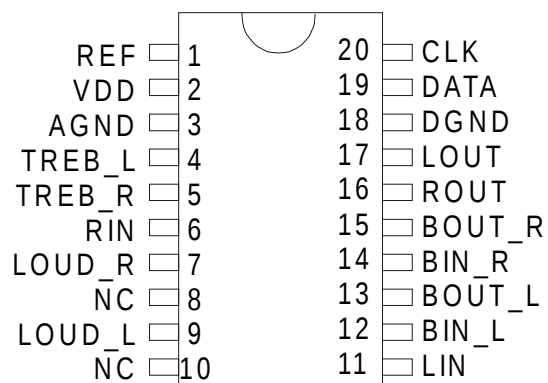
Note: Purchase of I²C Component of Princeton Technology Corporation (PTC) conveys a license under Philips I²C Patent Right to use these components in any I²C System, provided that the system conforms to the I²C Standard Specification defined by Philips



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

