Description

PT2313L is a four-channel digital control audio processor utilizing CMOS Technology. Volume, Bass, Treble and Balance, Front/Rear Fader Processor are incorporated into a single chip. Loudness Function and Selectable Input Gain are 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^2C Bus. The pin assignments and application circuit are optimized for easy PCB layout and cost saving advantage for audio application. Housed in a 28-pin DIP/SO Package, PT2313L is pin-to-pin compatible with TDA7313 and is very similar in performance with the later.

Features

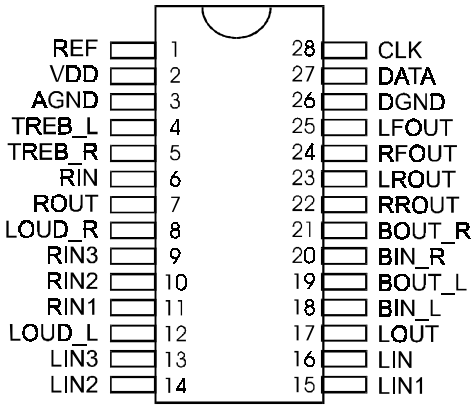
- ❒ CMOS Technology
- ❒ Least External Components
- ❒ Treble and Bass Control
- ❒ Loudness Function
- ❒ 3 Stereo Inputs with Selectable Input Gain
- ❒ Input/Output for External Noise Reduction System/Equalizer
- ❒ 4 Independent Speaker Controls for Fader and Balance
- ❒ Independent Mute Function
- ❒ Volume Control in 1.25 dB/step
- ❒ Low Distortion
- ❒ Low Noise and DC Stepping
- ❒ Controlled by I^2C Bus Micro-Processor Interface
- ❒ Pin-to-pin Compatible with TDA7313

Applications

- ❒ Car Stereo (Audio)
- ❒ Hi-Fi Audio System

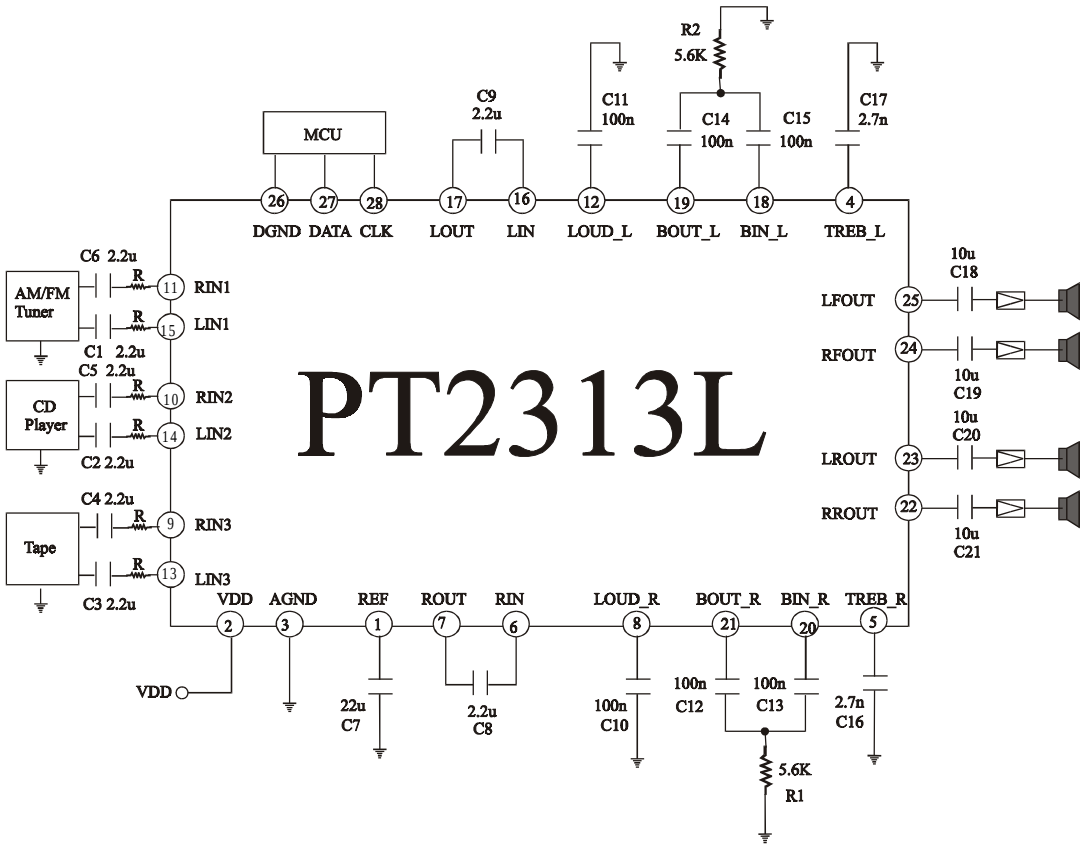
Note: Purchase of I^2C Component of Princeton Technology Corporation (PTC) conveys a license under Philips I^2C Patent Right to use these components in any I^2C System, provided that the system conforms to the I^2C Standard Specification defined by Philips

Pin Configuration



PT2313L

Application Circuit



Note: 1. The Resistor (R) Range = 2.0K Ohms to 3.6 K Ohms.
2. Resistor (R) Recommended Value = 2.4 K Ohms

Order Information

Valid Part Number	Package Type
PT2313L-D	28 Pins, DIP (300 mil)
PT2313L	28 Pins, SO (300 mil)