

DESCRIPTION

PT2314 is a four-channel input digital audio processor utilizing CMOS Technology. Volume, Bass, Treble and Balance 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 I2C Bus. The pin assignments and application circuit are optimized for easy PCB layout and cost saving advantage for audio application.

FEATURES

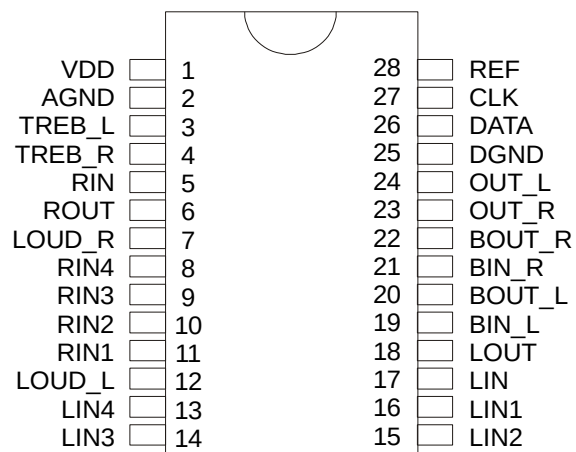
- CMOS Technology
- Least External Components
- Treble and Bass Control
- Loudness Function
- 4 Stereo Inputs with Selectable Input Gain
- Input/Output for External Noise Reduction System/Equalizer
- 2 Independent Speaker Controls for Balance Control
- Independent Mute Function
- Volume Control in 1.25 dB/step
- Low Distortion
- Low Noise and DC Stepping
- Controlled by I2C Bus Micro-Processor Interface
- Available in 28 Pins, DIP/SO Package

APPLICATIONS

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

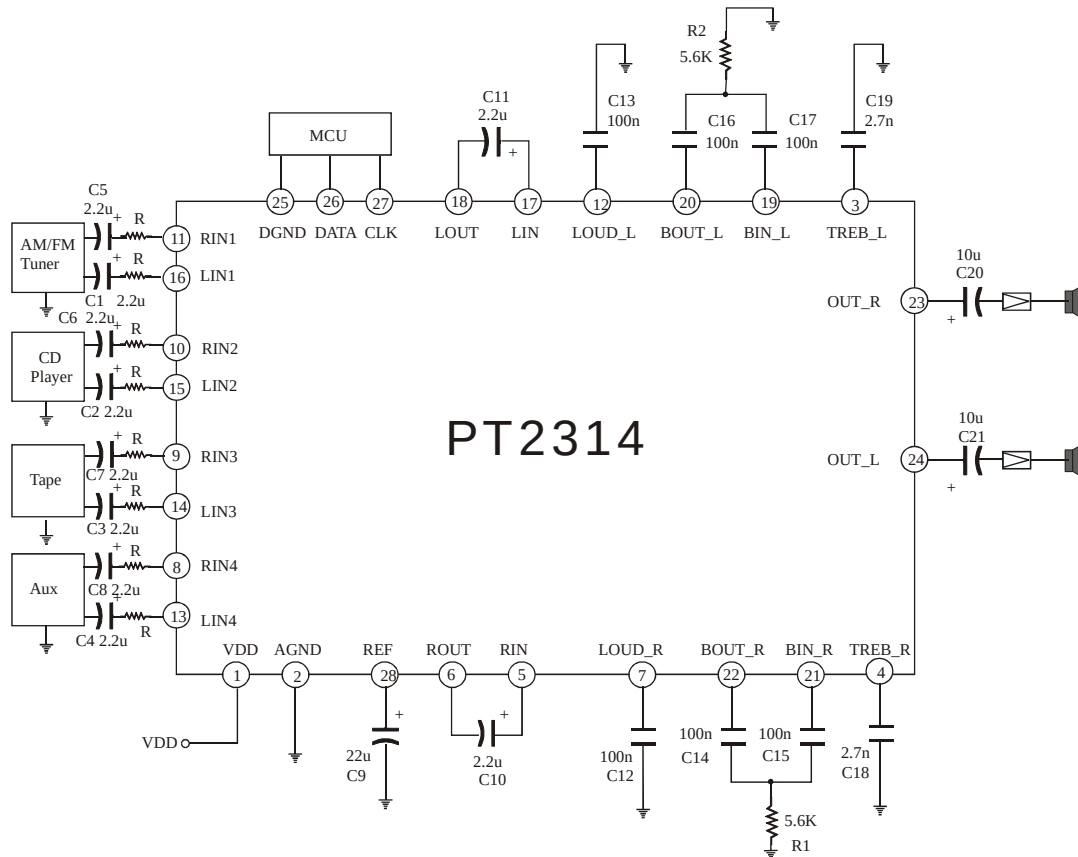
Note: Purchase of I2C Component of Princeton Technology Corporation (PTC) conveys a license under Philips I2C Patent Right to use these components in any I2C System, provided that the system conforms to the I2C Standard Specification defined by Philips

PIN CONFIGURATION



PT2314

APPLICATION CIRCUIT



- Notes:
1. It is suggested that you use Mylar Capacitor for capacitors, C12 ~ C19.
 2. Resistor (R) Range = 2.0 K Ohms to 3.6 K Ohms
 3. Recommended Value of Resistor (R) = 2.4 K Ohms

ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT2314-D	28 Pins, DIP (300 mil)	PT2314
PT2314	28 Pins, SO (300 mil)	PT2314-D