

Overview

The #320-600 is a stereo class-T TA2024C amplifier, it is 15W (4ohm) continuous average per channel class-T digital audio power amplifier, using Tripath's proprietary power processing technology, class-T amplifiers offer both the audio fidelity of Class-AB and the power efficiency of class-D amplifier.

Applications

- Powered speakers
- Digital products
- Computer and PC multimedia
- Television
- Battery powered systems

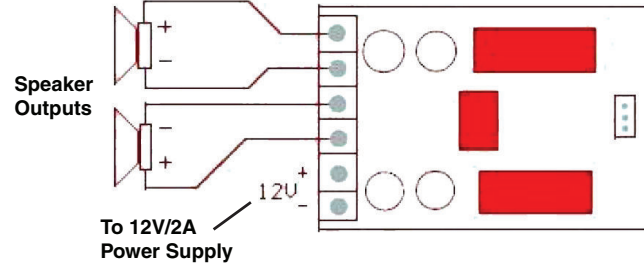
Specifications and Features

- "Audiophile" quality sound
 - 0.04% THD+N@9W 4ohm
 - 0.18% IHF-IM@1W 4ohm
 - 11W@4ohm, 0.1% THD+N
 - 6W@8ohm, 0.1% THD+N
- High power
 - 15W@4ohm, 10% THD+N
 - 10W@8ohm, 10% THD+N
- Class-T architecture
- High efficiency
 - 88%@10W 8ohm
 - 81%@15W 4ohm
- Dynamic range = 102 dB
- Mute and sleep Input
- Integrated Gate Drive Supply
- Over-current protection
- Over-temperature protection
- IC package: 36-pin Power SOP
- PCB material is FR4, thickness 1.6 mm
- Dimensions: 3.54" x 2.09"
- Weight: 50g/PCS

Testing Your Amplifier Board

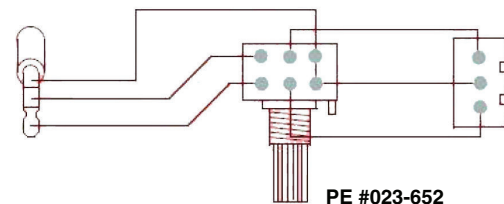
- Connect audio signal cable to audio jack.
- Connect left and right speaker to speaker connector.
- Plug DC power cord to DC jack, the voltage is 12V / 2 Amp recommended.
- Open the power and audio signal (EX:music).

Wiring Diagrams and Layout

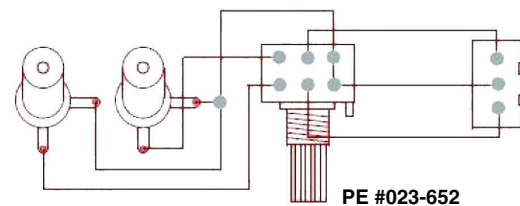


Example Wiring with Volume Control (PE #023-652)

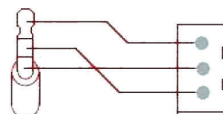
3.5 Wiring with Volume Control



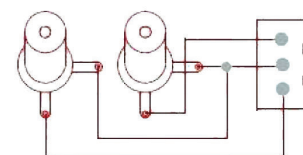
RCA Left/Right Wiring with Volume Control



Example Wiring without Volume Control



3.5 mm Plug



RCA Jacks