

This premium tube amplifier chassis is constructed from heavy-duty 0.05" thick steel, providing exceptional durability and rigidity while minimizing vibration and hum interference. The chassis comes with precision pre-punched holes for tube sockets, RCA jacks, and speaker connectors, as well as dedicated mounting points designed to accommodate our toroidal power transformers and output transformers.

For safe and reliable operation, it is equipped with a high-quality IEC power inlet socket that integrates an RFI/EMI filter, fuse, and power switch to effectively suppress power-line noise. Three CA transformer covers are included, ensuring a clean, professional appearance with added shielding.

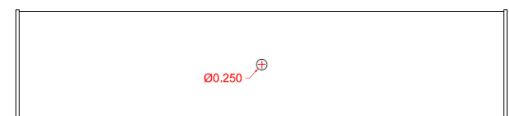
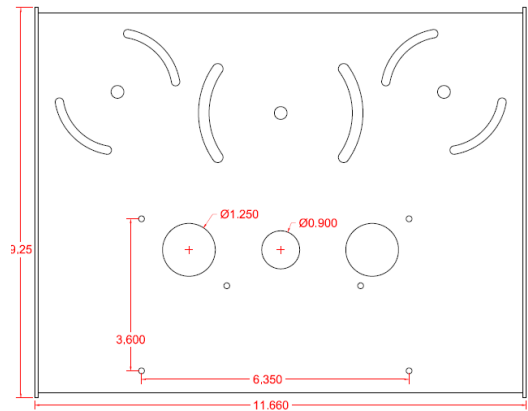
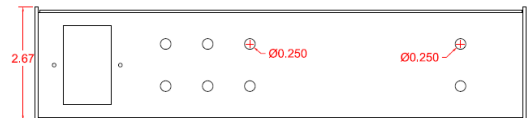
The main PCB can be ordered directly from us or sourced from third-party suppliers. All mounting holes are fully compatible and require no modifications.

Compatible Components

- Output Transformer: MS-10W70 ×2 or MS-15W60 ×2
- Output Transformer Covers: CA-002 ×2 (*included*)
- Power Transformer: AS-05Txxx or AS-05TCxxx series
- Power Transformer Cover: CA-003 (*included*)
- Tube Sockets: 8-pin ×2, 9-pin ×1
- IEC Power Inlet: CW2B-10A-T (*included*)
- Main PCB: STA-15PCB or compatible 3rd-party PCB
- RCA Connectors: Panel-mount ×2
- Speaker Connectors: Panel-mount ×6
- Tubes: 6L6, 6V6, EL34, KT66, KT88, 6550

Chassis Includes

- Main chassis & bottom plate
- Two side panels
- Top cover with extended sidewalls
- Power transformer cover
- Two output transformer covers
- IEC power inlet with fuse and switch
- 6Vac green LED
- Screws and spacers

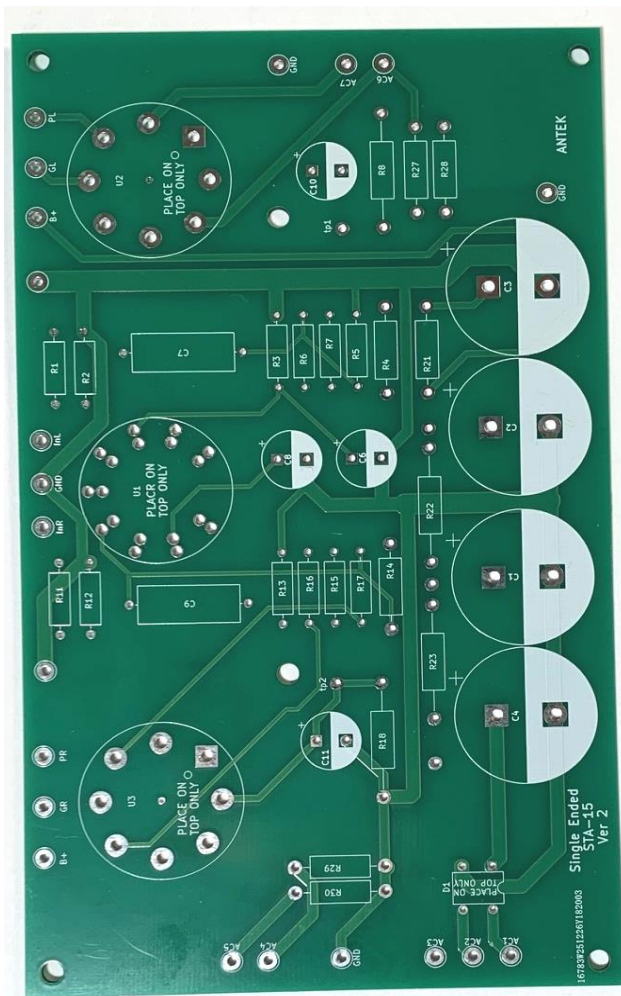


This PCB set is specifically engineered for the CC-1409 single-ended tube amplifier chassis and is based on a proven circuit topology developed through many years of tube amplifier design experience. It employs one of the simplest tube amplifier architectures while delivering very high sound quality. The PCB layout has been carefully optimized with short signal paths, proper grounding, and effective separation of high- and low-level circuitry to minimize noise, hum, and crosstalk.

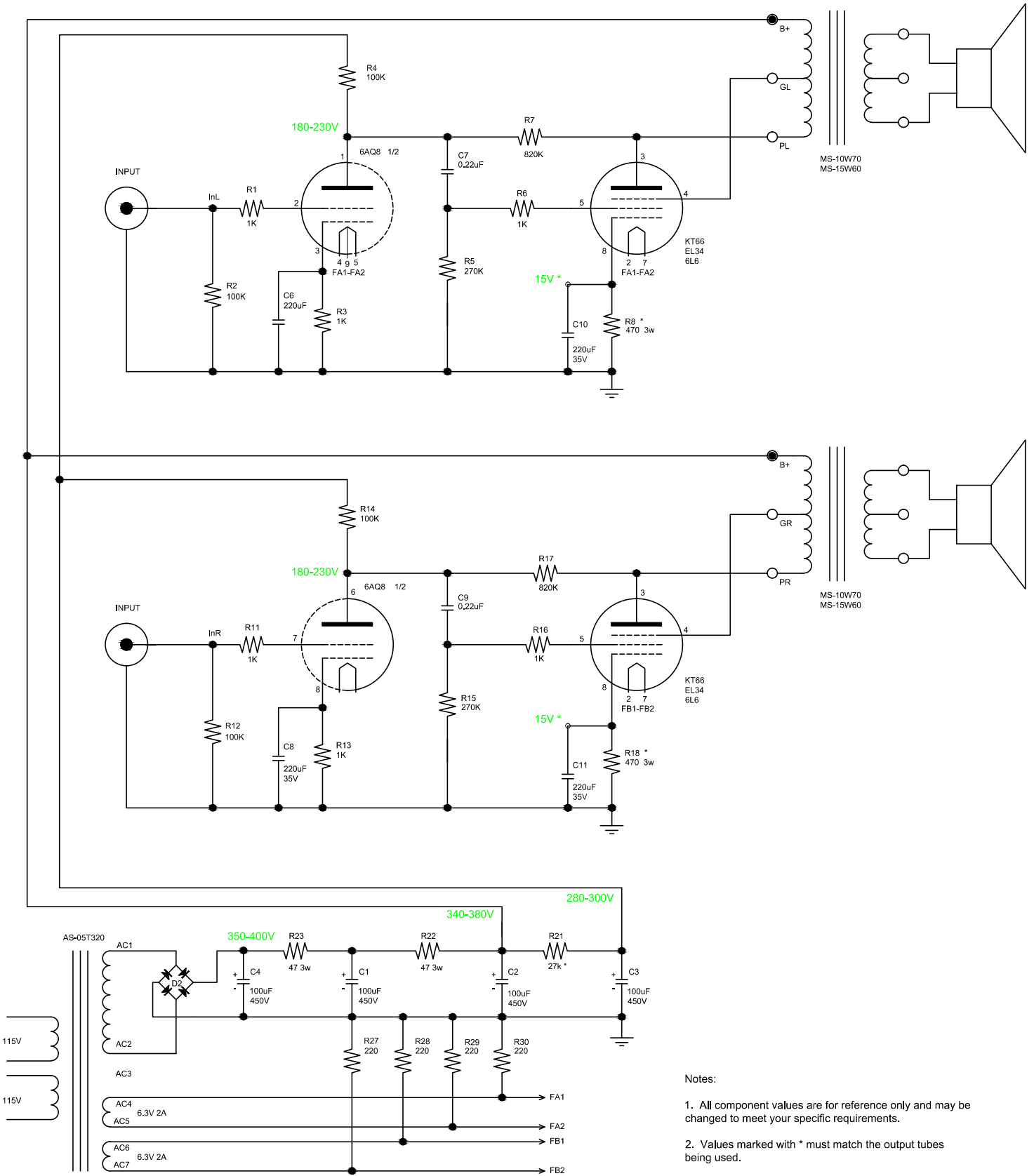
When combined with high-quality toroidal power and output transformers, the amplifier benefits from higher efficiency, reduced magnetic radiation, and improved voltage regulation compared to traditional EI-core transformers. These advantages result in a lower noise floor, improved dynamic range, stronger low-frequency control, and smooth, extended high-frequency response.

The PCB supports a wide range of commonly used output tubes, including EL34, 6L6GC, KT66, KT77, KT88, KT120 and 6550, as well as multiple driver tube options, making it suitable for both hi-fi and audiophile-grade applications. The circuit allows most common power tubes to produce approximately 5 watts to 12 watts of output power.

The supplied schematic corresponds to a specific transformer set and is provided as a reference design. Depending on the actual power transformer secondary voltages, output transformer impedance, and selected tube types, certain component values—such as plate resistors, cathode resistors, screen resistors, and power supply filter capacitors—may need to be adjusted. Final verification of operating voltages and bias conditions during assembly is strongly recommended to achieve optimal performance, long tube life, and overall amplifier stability.



Model	Output Power	Output Transformers	Power Transformers	Suggest Tubes
STA-10	5W – 8W	MS-10W70	AS-05T320, AS-05TC300	6L6, EL34, KT66
STA-15	9W – 13W	MS-15W60	AS-05T320, AS-09T340	6550, KT88, KT120



Stereo Tube Amp STA-15
 KT66, 6L6, EL34 - 7W each

Notes:

1. All component values are for reference only and may be changed to meet your specific requirements.
2. Values marked with * must match the output tubes being used.
3. The amplifier ground should be connected to earth ground. Please research proper grounding methods to determine the best grounding point.
4. To request a different power transformer, please send an email or include a note when placing your order.