



2048 Mercer Road Lexington, Kentucky 40511-1071 USA • 859-233-4599 • www.audioauthority.com

Electrical Design Engineer

Audio Authority uses our expertise and experience, combined with a commitment to excellence, to design and manufacture innovative industrial and commercial electronic devices. The size and culture of our company makes it a great place to grow professionally in a healthy environment that values the dignity of work. Audio Authority offers a competitive salary plus bonus, competitive benefits, and a great team. As a result of continued growth, we are looking to complement our existing team with an Electrical Design Engineer.

Primary Responsibilities

- To execute all responsibilities with a team/collaborative approach.
- Integrate with our engineering team to support ongoing work as well as take the initiative on new product designs that address and grow our market opportunities.
- Circuit simulation, test, and testing documentation.
- Analysis, troubleshooting, and improvement of existing embedded firmware designs.
- Author/revise schematics, create component symbols, and maintain component library.
- Specify electronic components and identify suitable alternative components.
- Estimate task timelines to meet program schedules.
- Create/maintain BOMs and cost estimates.

Qualifications Desired

- Bachelor of Science Degree in Electrical Engineering, or equivalent experience.
- Practical experience designing analog and digital circuit assemblies.
- Experience with contemporary embedded hardware i.e., microcontrollers, DSPs, Sensors, GPIO, Ethernet/serial transceivers, and wireless technologies.
- Familiarity with PCB layout best practice, Gerber files, IPC standards, PCB fabrication, and final assembly.
- Proficiency with Altium Designer (preferred) or another PCB layout package.
- Capability to debug hardware using lab instruments, oscilloscopes, logic analyzers, etc.
- Ability to integrate others' work with your own work.
- Capable of taking on all aspects of project delivery including specification writing, design concept generation, prototyping, troubleshooting, documentation, and manufacturing interface.
- Ability to communicate effectively and author/edit technical documentation.
- Proven track record of developing complete products/systems, not just components of those products/systems.

Qualifications Preferred

- Experience debugging, developing, and modifying firmware and software

Salary is commensurate with experience and knowledge. We are an equal opportunity employer.