



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

Senior 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.

Leadership Responsibilities

- Lead engineer on assigned product development projects
- Collaborates with fellow engineers and cross-functional teams
- Develops complete engineering specifications and procedures from both internal and customer requests.
- Estimates costs and timelines, tracks project status, and reports to management
- Acts as technical liaison to purchasing and manufacturing for specification and validation of components and assemblies
- Supports troubleshooting and root cause analysis of existing products and recommends corrective responses
- Interprets industry standards as they relate to new and ongoing product development
- Willingness to innovate, learn new tools and strategies to achieve objectives
- Effective, professional communication, including ability to write/edit technical documentation, reports, and presentations

Engineering Skills

- Develops prototype circuits, embedded firmware, schematics, PCB layouts, and BOMs per product specifications
- Writes and documents design specifications, validation and production test procedures
- Specifies electronic components and identifies suitable, alternative components
- Performs design calculations, risk analysis and design reviews to verify product designs and specifications
- Initiates design and device testing with 3rd party test facilities for safety, FCC, and other compliance

Qualifications Desired

- Minimum B.S. in EE, CE, CS (equivalent experience may be considered)
- 5-10+ years of experience designing, validating, and troubleshooting electronic devices and multi-device systems
- Experienced in C, C++ embedded firmware development, IAR and Atmel Studios toolchains, ARM microcontrollers, DSPs, sensors, GPIO, Ethernet/serial transceivers, wireless technologies
- Experience with Altium Designer (preferred) or equivalent printed circuit board design tools
- Strong knowledge of consumer electronics design, development, testing and manufacture
- Strong scheduling and project management skills
- Able to effectively interface with customers and end users

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