

ROCKFORD CORPORATION

Rockford Fosgate is a leading automotive audio company which develops and manufactures high performance audio and infotainment products for mobile, motorsports, motorcycle, and marine aftermarket and OEM applications. We are looking for enthusiasts who want to create purpose-built solutions that provides enriching audio experiences to our customers. We are looking for multi-disciplined candidates that have excellent communication and interpersonal skills with ability to thrive in fast paced and dynamic work environment. If you are passionate about audio and want a full-fulling career working on class leading products than look no further than the job below.

We are looking for a highly motivated individual to fill the position of Electrical Engineer. This individual will be an integral part of the engineering team and will focus on leveraging the latest analog and digital technologies to design electronics for audio applications which includes amplifiers, processors, and integration accessories. This role will have a high sense of ownership in the product since it will involve many aspects of design and validation from ideation through launch. This position will have high team visibility and will collaborate with all other groups in the organization.

JOB TITLE: Electrical Engineer

KEY RESPONSIBILITIES:

- High power audio amplifier design and analysis
- Perform discrete analog and digital circuit design and analysis
- Design schematics and PCB's using Altium Designer
- Perform board bring-up and debug to optimize HW on bench and in real-world conditions
- Work with new product team and OEM customers to define product requirements
- Work with mechanical engineers to design mechanical interface
- Work with embedded engineers to design hardware for MCUs, DSPs, etc
- Work with test engineers to develop hardware validation test plans and EOL test systems
- 10% Domestic and international travel

REQUIRED SKILLS/QUALIFICATIONS:

- Bachelor's in Electrical Engineering, or equivalent
- Minimum 3 years of job-related experience
- Experience in power amplifier design
- Excellent project engineering skills
- Ability to design and develop multiple products concurrently
- Expertise in standard engineering concepts, best practices, and procedures
- Working knowledge in theory of operation of analog and digital filters, amplifier classes, feedback, and SMPS topologies
- Expertise in analog and digital design, schematic creation, and PCB layout
- Expertise in audio design and performance standards, design validation standards, production validation standards, and quality control
- Expertise with tools and software such as Audio Precision, oscilloscopes, power supplies, DAQ, spectrum analyzers, SPICE, Altium Designer, and Altium Vault
- Basic understanding of Digital Signal Processing (e.g., crossovers, biquads, limiters, delay, etc.)
- Experience with designing products with wireless Bluetooth EDR/LE modules
- Working knowledge of EMC standards and design for EMC best practices
- Experience in thermal management design for electronics and electronics enclosures
- Ability to debug and troubleshoot new and legacy designs
- Familiarity in system level integration of mobile audio components such as source units, speakers, subwoofers, and amplifiers into vehicles

- Some experience / knowledge of firmware development is nice to have

Interested applicants, send resume and cover letter to jobs@rockfordcorp.com.
This position is based in Tempe, Arizona. No relocation assistance provided.

To learn about Rockford, please visit us at <http://www.rockfordfogate.com/>. We are an equal opportunity employer and value diversity in the workplace.