



## JOB DESCRIPTION

**Position:** Electronics Development Engineer AFM/OEM  
**Department:** Research & Development  
**Director:** Bob Spencer

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**General purpose of job:** Stillwater Designs is seeking an Electrical Development Engineer to join our Engineering team. In this position you will have the opportunity to collaborate on projects from the concept stage to the final retail product. The Development engineer will work with a multi-disciplinary project team, including engineers from other disciplines, electrical engineers as well as manufacturing personnel, subcontractors and technicians. Must possess the technical knowledge needed to guide projects to a successful retail launch.

### **Essential functions of job: AFM**

- Review Schematics, BOMs and Layouts for design integrity and cost effectiveness.
- Work with supplier and design group to specify user interface functions and generate user interface documentation
- Work with mechanical design staff to optimize layouts for manufacturability and ease of use.
- Review and approve production capabilities of suppliers.
- Perform validation testing and evaluation/debugging of new products.
- Troubleshoot and repair electrical circuits at the component level.
- Provide technical support and training to Stillwater Designs technical writers and support staff.
- Provides Test and Validation support at the factory level
- Audits and validates factory level production processes

### **Essential functions of job: OEM**

- Create and maintain vehicle test procedures and processes for the techs to use in vehicle
- Review Tunes and testing information to make sure its complete and correct for each application
- Identify Test requirements then develop effective test procedures/ specifications for the OEM install bay
- Produce effective, clear and concise product documentation, reports and testing results
- Perform validation testing and debugging of new products.
- Collaborate with others on the design, product management, and production teams New product validation
  - Will approve new Kicker OEM electrical components through our OEM product development and validation processes
- In vehicle and product testing
  - Will oversee / signoff on electrical in vehicle & product testing and validation activities
- EQ configuration signoff
- Customer Requirements - Electrical
  - Will ensure kicker components are in compliance with OEM specific customer requirements per program/project
- ■PPAP Documentation
- ■ DFMEA
- ■ Control Plan
- ■ DVP&R Testing
- ■ Process flow

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3100 N Husband  
Stillwater, OK 74075  
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- Supplier MP documentation
- Corrective actions

**Educational and/or experience requirements of Job:**

- Bachelor of Science degree in Electrical Engineering or Electrical Engineering Technology and 3 years' experience in a related field.
- Strong consumer electronics and audio background.
- Experience in international production preferred
- Manufacturing process experience preferred
- Experience with programming and debugging tools
- Ability to read and understand schematics
- Fluent in English, both written and spoken
- Experience with electronic lab equipment including Audio Precision test equipment
- Must be proficient in Excel, word, PowerPoint, basic PCB schematic programs
- Must be authorized to work in the U.S. without sponsorship

**Personal demands of essential functions:**

- Must have sound judgment and proven decision making skills and the ability to be innovative
- Effectively perform job while showing respect and a willingness to work with co-workers in this and other departments
- Other tasks deemed necessary by your supervisor
- Must possess exceptional organizational skills
- Must present a favorable impression of Stillwater Designs at all times
- The person must be able to hold close mental attention for long periods of time.
- International travel for up to 3 weeks at a time

**Salary:** Negotiable

Director: \_\_\_\_\_ Date: \_\_\_\_\_

Bob Spencer

General Manager: \_\_\_\_\_ Date: \_\_\_\_\_

Jay Ralston

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