

Full-Time Exempt Position - Req # 199  
U.S. Citizenship is required for the position

## **Electrical Engineer II**

### **Overview:**

We are seeking a talented Electrical Engineer II to join our team. The ideal candidate will be responsible for designing, developing, and testing electrical systems and components for various projects.

### **BRIEF DESCRIPTION OF JOB DUTIES:**

- Support design engineers in component selection for new products.
- Generate new internal part numbers using the PLM system and ensure new components are not duplicates in the component library.
- Manage the electronic component supply chain lifecycle (Obsolescence, EOL, LTB, PCNs, etc.).
- Creating modular product configurations per customer requirements.
- Electrical design of FPGA, board, and system-level hardware. Support PWB layout activities
- Support board and component level failure investigations (support the Failure Review Board (FRB)).
- Develop relationships with component suppliers and manufacturers.
- Identify component cost savings opportunities.

### **JOB REQUIREMENTS**

#### **The applicant MUST have the following qualifications:**

- Bachelor's Degree (Electrical or Electronics Engineering).
- Minimum 5 years of experience in Component Engineering and electronic product design.
- Knowledgeable of Industrial, space-qualified, and radiation-tolerant components.
- Thorough understanding of electronic component parameters and data sheets.
- Strong analytical and problem-solving skills.
- Excellent in attention to detail.
- Proficient in using electronic computer-aided design software libraries (e.g., Altium, PADS, etc.).
- Experience using data intelligence tools to perform component risk analysis, manage part obsolescence, monitor PCN alerts, verifying BOM health (SiliconExpert, Altium, Z2Data, etc.).
- Experience in the design of embedded microprocessor systems.
- Schematic capture experience.
- Experienced in debugging electronic hardware and embedded software.
- Proficient in using PLM software (Empower, Agile, etc.).
- Ability to collaborate with interdepartmental teams (design engineering, purchasing, operations, etc.).
- Must be a clear interpersonal communicator with strong written and verbal communication skills.
- Effective teamwork abilities.
- Must be self-motivated and able to work with minimal supervision.
- U.S. Citizenship is required.

#### **Additional Desirable Experience:**

- Experience in the design and development of precise time and frequency reference systems.
- FPGA design experience using a hardware description language.
- Experience developing ATE and test software using LabView and/or Python.
- Network design experience including Ethernet and Precision Time Protocol (PTP).
- Experience conducting root cause analysis to determine the underlying cause of component failures.
- Reliability engineering (stress analysis, MTBF calculations, FMEA/FMECA).
- Experience conducting root cause analysis to determine the underlying cause of component failures.

This position offers a competitive salary commensurate with experience and a comprehensive benefits package. If you are a skilled Electrical Engineer II looking to make an impact in a dynamic work environment, we encourage you to apply.

Salary: \$110,000/year - \$140,000/year DOE

EOE/Disability/Veteran