

Full-Time Exempt Position - Req # 200-A  
U.S. Citizenship is required for the position

## **Principal Electronics Engineer**

### **Overview:**

We are seeking a talented Principal Electronics Engineer 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:**

- Present product design solutions to customers at technical design reviews.
- Electrical design of FPGA, board and system-level hardware. Support PWB layout activities.
- Create system, sub-system, and interface and protocol specifications from external and internal requirements.
- Support the creation of production and engineering test plans, test cases, and test procedures.
- Supervise product integration, verification, and validation testing.

### **JOB REQUIREMENTS**

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

- BSEE with 10 or more years' experience in the design and development of electronic systems.
- Systems engineering experience working with internal and external customers to develop hardware and software requirements, solutions, and documentation for new products.
- System design and development using embedded GNSS and M-Code/SAASM GPS receivers.
- Network design experience including Ethernet and Precision Time Protocol (PTP).
- Experience in the design of embedded microprocessor systems.
- FPGA design experience using a hardware description language.
- Schematic capture experience.
- Experience leading engineering development teams.
- Excellent written and verbal communication skills.
- Excellent problem-solving and troubleshooting skills.
- Ability to obtain a secret clearance.
- U.S. Citizenship is required.

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

- Sensor fusion design combining GPS receivers and navigation sensors.
- Experience in the design and development of precise time and frequency reference systems.
- RF and Low noise design experience.
- EMC/EMI design experience.
- Experience in the design of embedded systems including SoC, SoM, & ASIC.
- Reliability engineering including reliability predictions (MTBF) and Failure Mode Effects & Criticality Analysis (FMECA).
- Security Clearance.

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

Salary: \$140,000/year - \$170,000/year DOE

EOE/Disability/Veteran