

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

Principal Electronics Design Engineer

Overview:

We are seeking a talented Principal Electronics Design 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, 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 of 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 Design Engineer looking to make an impact in a dynamic work environment, we encourage you to apply.

Salary Range: \$140,000 - \$190,000/year DOE

EOE/Disability/Veteran