

Electrical Engineer

Role

JAVAD GNSS is seeking a candidate for an Electrical Engineer position at our Kentucky USA office. In this role, you will be a US citizen or permanent resident, responsible for electrical hardware maintenance, development, revisions, testing and troubleshooting for our GNSS product portfolio. You will work closely with an internal engineering team and external partners to drive key aspects of electronic design, optimization, implementation, and testing. You must be responsive and flexible, with attention to detail, and able to succeed in a collaborative environment.

Duties

- Drive electrical design reviews and collaborate with the cross-functional teams to accomplish project deliverables.
- Create electrical circuit designs with ORCAD, PCB layout review, and electrical BOM. Electrical component selection, creation of schematic symbols and component part number management.
- Write documents and validate electrical designs to verify functional, quality, reliability, manufacturability, and safety requirements.
- Resolve technical issues and communicate across functional teams.
- Review and qualify alternative electrical parts, manage EOL parts for replacement on current products.
- Ensure electrical designs meet EMC compliance requirements for certification.

Skills & Qualifications

- MS or BSc in Electrical Engineering or equivalent with 3+ years of experience in electrical design and related field for GNSS products.
- Experience in designing electrical system with Microprocessor, memory devices, power system, high speed transceivers, cellular modems, WiFi/BT/GNSS devices, and various serial interface such as I2C, I2S, SPI, UART, USB, MIPI, and other high-speed signals.
- Experience in OrCAD CIS schematic, Allegro PCB EDA tool, and strong laboratory skill with a variety of electronic equipment.
- Proven ability in root cause analysis, complex design debugging, and problem solving independently with minimal guidance.
- Good verbal and written communication skills, and ability to work independently and cross functionally.
- Hands on experience with electrical lab equipment, including High-Speed signal performance analyzers, oscilloscope, etc.
- US Citizen or US Permanent Resident Status (Green Card).