

Troll Systems Corporation is currently seeking an experienced **SENIOR ELECTRONICS ENGINEER** to work for a company specializing in high-end world class RF datalink systems. The selected candidate will work in the R&D department but will also interface with production, quality management, and configuration control to ensure the highest quality standards are applied while considering cost and schedule impact.

Troll Systems is a worldwide leader in the development of high-speed, air-to-ground datalinks, tracking antennas and control systems, designed to deliver image intelligence, surveillance reconnaissance, from manned and unmanned aircraft, land and marine vehicles. Troll employees work in a truly exciting industry, with enormous growth potential. Troll products are used by foreign and domestic militaries, commercial broadcasters, police, fire, and search and rescue organizations all over the world.

RESPONSIBILITIES and EXPECTATIONS

- Digital and mixed signal electronics design
- Firmware support for embedded designs including FPGA (Vivado)
- RF design for frequency conversion and low noise amplifiers and SSPA
- Schematic capture and layout using Altium Designer
- Design for Manufacture, Test, Cost and Service
- Create test and manufacturing procedures as well as creation of quality procedures, test plans
- Support root cause analysis and training of technicians supporting QA and Manufacturing departments
- Developing clear and concise assembly instructions to include and reference appropriate points of inspection
- Facilitate continual improvement activities
- Supports other projects and initiatives as assigned
- Cradle to Grave electronics design as it pertains to our datalink systems

Qualifications:

- Minimum of bachelor's degree in electrical engineering
- Desire 5 years' hands-on direct work experience in a related field
- Hands on experience in PCP design using Altium or similar
- Able to create/maintain procedures in support of test and manufacturing
- Background in Digital, Power, FPGA and RF electronics
- Good understanding of mechanical systems
- Background and experience in embedded software and firmware and FPGA using Vivado
- Experience in the creation of manufacturing documentation including assembly instructions

In the first thirty days, a successful candidate will have:

- Develop a good understanding of the core electronics used in the company
- Demonstrate the ability to understand and troubleshoot various electronic assemblies used in our products. Work with R&D engineering team to develop our skill and transfer of information

In the first three months, a successful candidate will have:

- Working from SOW issued by engineering manager, develop new PDB and other sub-assemblies used in various products
- Release first new assemblies with completed first article, build and test documentation for production release

In the first six-twelve months, a successful candidate will have:

- Successfully manage new designs from initial SOW to completed products
- Continue with new designed and contribute to embedded firmware and FPGA

Must be a US citizen or Permanent Resident for authorized access to controlled technology/data as subject to ITAR. Must have both valid driver's license and passport. Compensation is commensurate with experience. Position is in Valencia, CA.

Relocation is not available for this position.