



Electrical Engineer

About the Company

Intelligent Product Solutions (IPS) is a globally recognized product design and development company headquartered in New York. Specializing in end-to-end services, IPS brings ideas to life through expertise in UI/UX, mechanical, software, embedded, systems, electrical, and optical engineering. The team is dedicated to delivering innovative, high-quality solutions tailored to clients' unique needs at every stage of product development. With a commitment to excellence and customer satisfaction, IPS is a trusted partner for turning concepts into market-ready products. Please look at what we do:

www.intelligentproductsolutions.com

We are seeking an Electrical Engineer with a solid understanding of standard electrical engineering concepts, practices, procedures, and the ability to apply them effectively to support the design, development, and implementation of advanced electrical systems across a variety of projects. The ideal candidate must possess strong technical skills, a problem-solving mindset, and the ability to collaborate effectively with cross-functional teams. This position also provides the opportunity to mentor team members and contribute to the strategic growth of our engineering capabilities. This is a full-time contract-to-hire position based on-site at our Hauppauge, NY office.

Job Responsibilities

- Design of analog, power, digital, and RF circuits, complex interconnects, cables, and test fixtures
- Review customer specifications and requirements, and under direction, develop designs to best support them, including cost as a key design variable
- Specify and evaluate supplier components, subsystems and services
- Support the program design to cost and design for manufacture requirements
- Troubleshoot and diagnose malfunctions in existing products or systems and make modifications as needed
- Develop prototypes to retire key development risks as directed
- May use computer-aided engineering or other design/analysis software in the performance of assignments
- Communicate clearly (written and oral) with other company personnel and the customer as required
- May participate in preparation of less complex proposals
- Attend appropriate engineering, customer or business meetings
- Provide regular reporting of progress and status

Required Qualifications

- Bachelor or Master of Science in Electrical Engineering
- 2-5 years of Electrical Engineering experience
- Understanding of digital, analog, and mixed-signal circuit design principles with hands-on experience reviewing component data sheets, schematics and PCB layouts.
- Experience researching and evaluating alternative components for circuit redesign activities.



- Hands-on experience troubleshooting and debugging electronic systems using oscilloscopes, logic analyzers, power analyzers, and other laboratory equipment.

Preferred Qualifications

- U.S. Citizenship
- Familiarity with military component specifications and Military part numbers as well as COTS parts
- Experience designing microprocessor and microcontroller subsystems, including power management, clocking, reset circuitry, memory interfaces, and communication architectures.
- Experience with schematic capture and PCB design tools, preferably Altium Designer.
- Experience developing and refining technical requirements, architecture documentation, and design specifications in a client-facing environment.
- Experience in support of manufacturing including but not limited to purchasing, quality control, manufacturing engineering and test.

Benefits

- A competitive salary and benefits package commensurate with your experience and expertise.
- A dynamic and collaborative work environment where creativity and innovation are encouraged and fostered.
- Opportunities for continuous professional development and training, empowering you to stay at the forefront of the industry.
- A flexible work schedule that accommodates your lifestyle with a 9/80 work schedule, on-site presence required
- The satisfaction of working with a team of passionate and innovative engineers within a second-to-none culture of camaraderie.
- The opportunity to contribute to innovative products that improve people's lives across medical, industrial, consumer, and connected device markets.

Equal Opportunity Employer

Intelligent Product Solutions is an equal-opportunity employer and values diversity at our company. We do not discriminate based on race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.