Position: Electronics Engineer  
Job Number: 1541

Scope of Position:
- Early stage development of electronic circuits and systems for the Corning Optical Communications business
- Project leadership including coordination of development efforts with a focus on electronic product development
- Demonstration of new technologies and processes to drive business growth

Day to Day Responsibilities:
- Design of analog and digital electronics utilizing circuit simulation software
- Specification of passive / active components and integrated circuits (ICs)
- Multi-layer Printed Circuit Board (PCB) design using layout software
- Development of data acquisition and automation control equipment
- Define, order, and procure materials and components for prototyping
- Hands-on circuit / system assembly and testing to verify performance
- Analyze test data and document results in technical internal reports
- Documentation of test procedures, experiment plans, and process changes
- Improve existing laboratory process capabilities and measurement equipment
- Document new processes and provide related cross training
- Failure analysis and root cause identification for components and assemblies
- Participate in teams to solve problems and improve processes using structured problem-solving methods and statistical tools
- Lead projects and teams in support of department objectives
- Present periodic project reviews and obtain sponsor approvals
- Measure and communicate performance against established objectives
- Communicate results to the project team in both verbal and written forms
- Collaborate with both internal and external resources to leverage expertise
- Coordinate third party suppliers to drive completion of project goals
- Benchmark existing technologies to identify potential business opportunities
- Electronic design support for other development projects

Travel Requirements:
- Up to 10% travel depending on the project

Hours of work/work schedule/flex-time:
- 40 hours per week with overtime as needed Monday through Friday 8am to 5pm Flex-time is supported

Required Skills:
- Electronic circuit design for both analog and digital applications
- Strong experience with circuit simulation and PCB layout software
- Hands-on assembly, testing, and troubleshooting of electronic circuits
- Programming skills for automated data acquisition and image processing using software such as LabVIEW and MATLAB
- Experience with automation control utilizing Programmable Logic Controllers (PLCs)

Desired Skills:
- Knowledge of Firmware, Application-Specific Integrated Circuits (ASICs), and Field Programmable Gate Arrays (FPGAs)
- Design, assembly, and testing of RF / Wireless circuits, systems, & networks

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• RF antenna design, specification, and performance knowledge
• Understanding of optical fiber and related communications systems
• Familiarity with optical connectors and related cable assemblies
• Knowledge of optoelectronic devices and systems

Education and Experience:
• B.S. in Electronics Engineering or equivalent, advanced degrees are preferred
• 10+ years of relevant experience

Soft Skills (Communication/Team/Leadership)
• Self-motivated to deliver results with minimal supervision
• Communicates effectively (verbal & written) to all levels
• Ability to multitask and balance short / long term priorities
• Organized with good planning and time management skills
• Works effectively and builds relationships with global cross functional teams
• Positive attitude, flexible, proactive, and committed work ethic
• Scientific curiosity and innovative mindset