



Electrical Design Engineer - PCB Design for Automotive Exterior LED lighting applications

Myotek is a Tier 1 manufacturer driven by a relentless focus on innovation, creativity, performance & quality. We are committed to technology leadership in automotive lighting solutions and the evolution of more efficient lighting solutions. Our customers are a top priority which drives our investment in high quality people, equipment, and customer service.

The ideal candidate has an automotive lighting background and is comfortable working in a dynamic, paced environment. This is an exciting time of growth and a great opportunity for a qualified candidate.

Basic Qualifications:

- Bachelor's in Electrical Engineering or similar area of study, Master's EE is a plus
- Minimum of 5 years of experience with PCB design for Automotive LED applications
- Thorough understanding of product design using passive and active electronics surface-mount components

Required Skills and Experience:

- Candidates must have previous PCB design experience
- Embedded software coding experience a plus
- Experience designing for EMC
- Prior knowledge of Automotive Lighting standards
- Understanding of Design for Manufacturability, Design for Assembly, and Design for Testability
- Working knowledge of schematic, layout, and spice tools
- Experience with ECAD libraries and library configuration management
- Experience with automated PCBA inspection
- Familiarity with IPC standards and guidelines
- Good communication skills, high energy level, and ability to work effectively within a team
- Must have practical Hands on Electronic ability

Responsibilities Include: CIRCUIT DESIGN, SPICE SIMULATION, PROTOTYPING & EMI / EMC TESTING of PCBAs.

- Design responsible for electronic assemblies for new automotive LED lighting applications
- Develop engineering prototypes for testing and evaluation to confirm design specifications are satisfied
- Ensure layouts meet EMC requirements
- Conduct Schematic level circuit simulation for continuous improvement of designs
- Responsible for creating and managing validation test plans per OEM customer specifications
- They are also responsible for managing the test labs and coordinating the test plans
- Participate in research, design and develop of electronics for new programs in compliance with automotive standards and customer specifications
- Failure analysis and investigation of electronic failures and provide recommendations to Quality and Manufacturing team
- Interface internally with cross-functional departments, and externally with suppliers and customer through all phases of product development, validation and manufacturing
- Work with a cross-functional design team to effectively manage data and, revision control for electrical and software designs
- Support benchmark activity for evaluating electrical designs
- Maintain component and footprint libraries in Altium