

Position: Electronic Hardware Designer (Cincinnati, OH)

Description: The Electronic Hardware Designer creates and tests electronic hardware to meet customer needs and requirements. Much of the designer's time will be spent doing PCB design and layout using Altium Designer. The designer will also be the lead for testing, rework and some assembly of prototypes.

Company Description: Performance Electronics, Ltd (PE) is an engineering company specializing in the design and manufacture of embedded electronic control systems for various industries. PE has extensive experience in all aspects of control system design, integration, testing, production, and life-cycle management.

Job Expectations & Requirements:

- Associate or Bachelor's degree in electrical engineering or equivalent technical field.
- Minimum 2 years of experience with Printed Circuit Board (PCB) design including through-hole, Surface Mount (SMT) and multilayer technologies.
- Proficiency with Altium Designer PCB design software.
- Strong experience with compact, multi-layer PCB layout with a focus on design for manufacturability (DFM).
- Strong understanding of electronic circuit design as part of new product development.
- Proficiency with MS Office business software – Word, Excel, Teams, etc.
- Self-starter with strong organizational skills and ability to work independently and on multiple projects at once.
- Strong interpersonal skills and ability to work well within a team environment.
- **PE will not sponsor applicants for work visas.**

Job Duties:

- As part of the engineering team, develop analog and digital circuits, evaluate component selection and perform schematic capture using Altium Designer software.
- Define component placement and routing of PCBs using Altium Designer.
- Maintain electronic component library.
- Optimize designs for reliability, manufacturability, quality, size and cost.
- Create test plans and develop test protocols for products, components, and standard circuits with a focus on reliability and detecting failure mechanisms.
- Troubleshoot and test electronics using oscilloscopes, function generators, and electronic lab equipment.
- Create documentation for the manufacturing of populated PCBs and related electronics, including component drawings, assembly drawings, fabrication drawings, and bill of materials.
- Support Quality Department activities to determine root cause analysis of customer returned units.

Compensation & Benefits:

Salary: \$65,000.00 - \$75,000.00 per year, commensurate with experience.

Benefits: 401(k) with match, medical, dental, vision insurance, life insurance and long-term disability, paid time off, flexible schedule, casual work environment.

How to Apply: Email your resume and cover letter to: HR@pe-ltd.com.