

Position: Electronic Engineer (Cincinnati, OH)

Description: The Electronic Engineer creates, develops, and tests electronic hardware solutions to meet customer needs and requirements.

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:

- Bachelor's degree in Electrical Engineering or Computer Engineering, with a focus on hardware circuit design.
- Minimum 5 years of experience in designing hardware and Printed Circuit Boards (PCBs), power electronics and embedded control systems preferred.
- Experience in Altium required, with Mentor Graphics PADS and DxDesigner a plus.
- Strong experience with hardware design and development with a focus on design for manufacturability (DFM).
- Strong understanding of electronic design as part of new product development.
- Experience writing Verilog for FPGAs, preferred.
- Strong organizational skills, with the ability to work independently.
- Strong interpersonal skills and ability to work well within a team environment.

Job Duties:

- Design analog and digital circuits, evaluate component selection, schematic capture and layout, and maintain electronic component library.
- Optimize designs for reliability, manufacturability, quality, and cost.
- Strong understanding of electronics, design analysis, simulation, and verification methods, such as SPICE.
- Troubleshoot and test electronics using oscilloscopes, function generators, and electronic lab equipment.
- Create test plans and develop test protocols for products or components, with a focus on reliability and detecting failure mechanisms.
- Develop detailed performance and testing specifications for parts/assemblies and execute verification test procedures.
- Work with Application and Software Engineers to meet customer/system requirements.
- Support Quality department activities to determine root cause analysis of customer returned units.
- Create documentation for the fabrication of PCBs and related electronics, including component drawings, assembly drawings, fabrication drawings, and bill of materials.
- Work with component vendors and PCB contract manufacturers to source components and assemblies.

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