

Position: Electronic Hardware Designer (Cincinnati, OH)

Description: The Electronic Hardware Designer 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:

- A Bachelor or Associate degree in Electrical Engineering or equivalent technical field.
- Some experience in hardware and Printed Circuit Board (PCB) design including through-hole, Surface Mount Technology (SMT) and multilayer technologies. Experience in Mentor Graphics PADS and DxDesigner a plus.
- Self-starter with strong organizational skills and ability to work independently.
- Strong interpersonal skills and able to work well within a team environment.

Job Duties:

- Design, build and simulate circuits, perform testing and complete verification of circuits against design requirements.
- Design analog and digital circuits using Mentor Graphics DxDesigner and maintain schematics and parts library.
- Define component placement and routing of PCBs using Mentor Graphics PADS software.
- Troubleshoot and test electronics using oscilloscopes, function generators and electronic lab equipment.
- Develop and execute verification test procedures.
- Create all needed documentation for the fabrication of PCBs and related electronics, including component drawings, assembly drawings, fabrication drawings and bill of materials lists.
- Generate specifications for parts and assemblies.
- Generate purchase orders related to electronics design, and work with vendors and manufacturers of boards, components and assemblies.

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