



Job Description

Title: Design Engineer – Full Time
Reports to: Vice President

Summary

Bonitron is an engineering company that designs and manufactures industrial electronics, including boost converters, backup power systems, braking controllers, regeneration inverters and resistors. Bonitron is currently looking to fulfill an Electrical Design Engineer position.

Location: 521 Fairground Ct. Nashville, TN 37211
Typical Hours: Monday – Friday 7:30am – 4:15pm CDT
Experience: 2 to 10+ years

Ideal applicant will have experience in:

- Ultiboard/Multisim board development
- Strong grounding and background in power electronics and thermal design
- Microprocessor and embedded design
- Design and implementation for high power designs up to 600 VAC.

Tasks

- Design and develop industrial grade power electronics
- Develop manuals and testing criteria for designs
- Confer with engineers, customers, and others to discuss existing or potential engineering projects and products.
- Develop budgets, estimating labor, material, and construction costs.
- Coordinate with manufacturing, construction, installation, maintenance, support, documentation, and testing activities to ensure compliance with specifications, codes, and customer requirements.
- Coordinate with project production efforts to assure projects are completed satisfactorily, on time and within budget.
- Plan and implement research methodology and procedures to apply principles of electrical theory to engineering projects.
- Prepare and study technical drawings and specifications of electrical systems to ensure that installation and operations conform to standards and customer requirements.
- Prepare specifications for purchase of materials and equipment.
- Supervise and train project team members as necessary.

Skills

- Laboratory experience required.
- Analog circuit design preferred.
- Microprocessor system design preferred.
- Required skills include CAD/CAM for circuit board layout and production, Workbench/Multisim
- UL and CE codes knowledge and experience a plus. Field service experience a plus.
- Bachelor's or Graduate Degree in Electrical Engineering

Email Résumé to cadkins@bonitron.com (no walk-ins).