

Electronics Hardware Design Engineer

Core Competencies

Communications: Applicant must possess excellent oral and verbal communications skills, and must be able to professionally interact with co-workers and supervisors in order to convey a high level of technical ideas, procedures, and instructions efficiently and effectively.

Initiative/Follow-through: Applicant must have excellent self-study skills to develop and maintain an understanding of new technologies, must be self-motivated and be able to work independently with minimal supervision, must be able to work as a team member in a group environment for the completion of design tasks, and must possess the ability to work simultaneously on multiple projects in different stages with a sense of urgency and efficiency.

Ability to read, analyze, and interpret general business periodicals, professional journals, technical procedures, or regulations. Ability to draft, write and enter necessary data for reports, business correspondence, and/or procedure manuals. Have the ability to effectively present and communicate information, and respond to questions from managers, co-workers and customers.

Minimum Requirements

- Bachelor's Degree in Electrical or Electronic Engineering or Computer Engineering, from an accredited university, with solid GPA, plus min 2-3 years' experience including co-op in related areas. (Associates degree will be considered with appropriate experience working as an electronics technician or in a related field)
- Experience in development and testing of real-time systems.
- Ability to read schematics, troubleshoot and debug prototypes and production units.
- Knowledge of: OrCAD Schematic Capture, PADS PCB Layout.
- Soldering and repair skills.
- Strong technical aptitude a MUST.

Job Summary

Electronic Hardware Design Engineer is a full-time position primarily focused on the development or improvement of actual products or designs, second focus working on future design requirements. Requires ability to perform Engineering tasks with limited direction.

- Design or assist in the design, development, debugging, and integration of hardware for FDI's products.
- Design or assist in the design of Printed Circuit Boards (PCB).
- Design or assist in the design of hardware architecture, schematic capture, prototype testing, and PCB layout review.
- Providing problem solving and troubleshooting (including debug) solutions.
- Assist others within engineering in support of debugging design and production/mfg issues.
- Provide input in determining the level of effort required for hardware and product features requested from customers.
- Other projects or duties as required for the development of innovation and design.