

WE'RE HIRING!

Hardware Engineer II (Electrical)

Dominion Voting is searching for a passionate **Hardware Engineer II** to join our team in Toronto! In this position you will assist in providing sustaining engineering and new design, development, test and lab support pertaining to design, test, assembly and evaluation of changes to existing products and new product designs, which use “state of the art” technology and components such as Microprocessors, embedded dedicated processors, Graphic Processors, Security Processors, Memories, FPGAs, CPLDs, DSPs and other integrated solutions.

Responsibilities

- Assist with the design, development, prototyping, debugging and testing of new hardware.
- Draw and update the hardware functional specifications.
- Direct and assist with assembly, test, debug and evaluation of engineering prototypes.
- Design characterization involving capturing signal quality and timing plots to evaluate signal/timing integrity.
- Design qualification involving definition and execution of various engineering stress tests.
- Provide diagnostics development support for design evaluation and production test equipment and processes.
- Create and maintain all pertinent documentation to support production.
- Identify, test and qualify replacements components for “End of Life” and obsolete component.
- Evaluate and assist with the resolution of customer and field escalations.
- Make the necessary design changes to the products in order to resolve issues.
- Assist with ad hoc projects as assigned

Qualifications

- Bachelor degree in Electrical Engineering or equivalent and relevant job experience.
- 2-5 years of experience in the design and development of high speed electronic products.
- Experience pertaining to development support for electronic control systems for products with moving mechanical components (such as printers or scanners) and which utilize high-speed components such as microprocessors, embedded controllers, security processors, DSPs, memories, FPGAs, and PLDs is an asset.
- Experience with and understanding of test equipment such as Logic Analyzers, Oscilloscopes, Emulators and Debuggers.
- Excellent verbal and written communication skills.
- Strong organizational skills to include multi-tasking and time management skills.
- Ability to work in a multi-discipline team and swift design & development environment.
- Ability to analyze problems and identify potential solutions and preventive measures.
- You may be required to travel to field/customer site, Contract Manufacturer and Test labs, to provide engineering support, on an as required basis. Approximately 10% of travel.

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