



**Job Title:** Hardware Designer

**Employer Name:** Parker Hannifin Canada – Electronic Controls Division

**Location:** 1305 Clarence Avenue, Winnipeg, MB R3T 1T4

**Closing Date:** January 12, 2018

**Apply to:** [lara.gannon@parker.com](mailto:lara.gannon@parker.com) (Lara Gannon, HR Manager – Administration)

### **Job Purpose**

Hardware Designers are responsible for all aspects of designing electronics for new product development projects or providing lifecycle support on existing products. Typical designs may include microprocessor-based controllers, display clusters, display terminals, sensors, etc. used in mobile control systems applications.

### **Job Responsibilities**

- Under general supervision, perform technical tasks related to electronic product design, manufacturing, and testing of electronic products
- Review customer requirements and specifications; estimate the effort required to complete development/support activities
- Develop and/or revise product requirements
- Generate designs that satisfy product requirements: creation of schematics, design analysis and simulation, new component selection and documentation
- Participate in design and manufacturing reviews and design FMEAs
- Work closely with internal and external customers and with suppliers to resolve technical issues
- Monitor and/or perform verification activities against test plans
- Participate in product support activities including analysis of field failures and production problems; recommend and verify solutions
- Follow structured product development processes and deliver on the outputs from these processes
- Maintain a thorough understanding of quality, schedule, and cost, and the impact of these areas on the product development process
- Provide input on technological advancements applied in the designs for tax credit reports

### **Qualifications, Skills, & Experience**

- Bachelor of Science in Electrical Engineering
- Up to five years of relevant work experience
- Experience with schematic capture and simulation applications, lab test equipment and programming languages C, Python, Labview, C++, C Sharp are an asset
- Problem solving skills, self motivated
- Good communication skills (verbal and written) and well developed listening skills
- Good interpersonal skills essential to working effectively in a team environment
- Ability to travel