



# Example of Electrical Hardware Engineer Job Description

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Our innovative and growing company is looking to fill the role of electrical hardware engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for electrical hardware engineer

- Analog and digital schematic design and oversight of circuit card layouts, and optimization for production efficiency
- Oversight of DO-160 EMI and Environmental testing
- Creation and oversight of DO-254 certification artifacts for Airborne Electronic Hardware
- Exploration of new technologies to meet future needs of the corporation
- Participate in Project Planning and Design Scoping Sessions/Charettes
- Develop IPC compliant circuit card assemblies that meet customer packaging and performance requirements including controller assemblies, motor position sensor boards and torque and position sensors
- Develop application specific connectors and wire harnesses
- Create and maintain product drawings, specifications and bill of materials utilizing Nexteer change control processes
- Coordinate mechanical stress analysis of circuit card assemblies including FEA and component testing
- Validate CFD simulation results through component and system testing

## Qualifications for electrical hardware engineer

- Familiarity with microcontroller design
- Language skill in German, Japanese or Chinese English
- Willingness to work in an office in Novi, MI for at least one year

- The ability to convince other parties and to convey passion and urgency
- Leadership skills to keep partners and other team members focused and on track