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# Example of Electronic Design Engineer Job Description

Our company is growing rapidly and is looking to fill the role of electronic design engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don’t fill all of the qualifications, you may still be considered depending on your level of experience.

## Responsibilities for electronic design engineer

* Responsible for maintaining AVBOM, WERS releases, Integrator, eFDVS, etc…
* Lead the design and development of the body control module focusing on the hardware design
* Develop and release body control module configuration files ( method 2 and method 3)
* Lead all module failure mode avoidance development including subsystem DFMEA development, failure mode avoidance reviews and providing input from current module/system experiences
* PCB area estimation, power dissipation, component stress analysis
* Troubleshoot digital circuits
* Design Failure Mode Effect Analysis (DFMEA)
* Perform Circuit Worst Case Analysis
* Perform Electrical simulation
* Manage component specifications and engineering drawings and release parts and subsystems for production

## Qualifications for electronic design engineer

* Must have skills or be able to learn the various engineering computer systems (WERS, AVBOM, PPM Audit, Digital Buck, Team Center, Integrator, MS Office)
* Masters EE
* Working knowledge of Ford D&R process preferred
* Electronic Engineering degree or diploma with distinction
* Strong knowledge of analogue design including op-amps, discrete transistor circuits, DAC and ADC circuits
* Knowledge of digital circuits, microprocessors