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# Example of PCB Layout Engineer Job Description

Our company is looking to fill the role of PCB layout 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 PCB layout engineer

* Knowledge in PCB technologies and manufacturing
* Knowledge in basic Electronic design
* Knowledge in Cad for Layout tools (Preferably Cadence Allegro)
* Creation and optimization of PCB designs based on input from electrical and mechanical engineers
* Take into consideration and follow design, signal integrity , power integrity, EMC and manufacturing guidelines
* Creation and maintenance of manufacturing data, drawings and documentation
* Creation and modification of schematics based on electrical design input
* Involved in process definition and design guideline optimization
* Actively share knowledge and act as a coach
* Carry out design modifications on existing boards, products and TPD

## Qualifications for PCB layout engineer

* Sound knowledge of electrical & electronic components – Surface Mount & through Hole
* Hand on experience in creation of footprints and sound knowledge of IPC2221A, IPC-SM-782 and IPC 7351 and MIL standards, PCB library management
* Knowledge of IPC standards associated with PCB design
* Excellent communication skill and an ability to work co-operatively with others
* Ability as a team player, able to listen and to discuss solutions with other members of the Engineering team that contribute to delivering
* Attention to detail, a high level of accuracy, self-motivating and the ability to plan and organize own tasks