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# Example of Board Designer Job Description

Our growing company is hiring for a board designer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for board designer

* Responsible for the PCB layout specification, design, test/integrate and release to production of ADVA products
* PCB fabrication and documentation release and support for product in production and possible transfer of products to other R&D or manufacturing organizations within ADVA
* Creation of the relevant PCB Design files/drawings such as ODB, Geber (GRB) and Fabrication Layer Stack-up per ADVA documentation standards
* Responsible for review of the PCB design layout and component placement
* Responsible for integration of schematic netlist, mechanical keep-out, component placement and PCB layout guidance within the computer-aided design, CAD tools such as Mentor Graphic Expedition and other Layout Software
* Support for Mechanical and Hardware design integration in the PCB Layout pre-ADVA Standards
* Release of the PCB Design files in ADVA Product Data Administration (PDA), such as the Agile System
* Engineering support for additional PCB respin as required
* Proficiency with physical layout and symbol creation using Cadence 16.0 or higher
* Experienced with importing third part card designs, exporting card designs to printed circuit-card contractors

## Qualifications for board designer

* Knowledge of industry standard learning technologies
* Electronics Engineers (BSC)
* PCB materials, processes, and finishes, including HDI via structures, RF PCB material stackups, and PCB fabrication processes
* Computer-aided manufacturing (CAM) tools and PCB tooling validation (e.g., CAM350, Valor)
* Basic drafting using AutoCAD or similar 2D CAD tool
* Creation of manufacturing deliverables and assembly documentation