

PCB Layout Design Engineer

Job Description

Responsibilities include (but are not limited to):

- Translate schematics and engineering specifications into high-quality PCB layouts
- Ensure layouts meet all design rules and electrical requirements
- Perform signal integrity (SI) and power integrity (PI) analysis to optimize board performance
- Collaborate with engineers and other designers to ensure layouts meet project goals
- Create and maintain accurate design documentation
- Stay up-to-date on the latest PCB design technologies and best practices

Minimum Qualifications:

- More than 5 years of experience in PCB layout design
- Proven experience with successful PCB layout completion from concept to production
- In-depth knowledge of PCB layout principles, including component placement, routing, and stack-up design
- Strong understanding of high-speed digital, analog, and RF design principles (for mixed-signal boards)
- Proficiency in Mentor Xpedition (highly preferred) with an ability to learn other industry-standard tools like Altium and Cadence a plus
- Excellent understanding of Design for Manufacturability (DFM) principles
- Strong communication, collaboration, and problem-solving skills
- Excellent time management and organizational skills