



Core source Technologies PCB Designer

Summary

The ideal candidate will have a broad technical background designing printed circuit boards per engineering requirements. Experience with high-speed digital designs, RF circuits, power supplies, analog circuits, flex and rigid-flex circuits, and HDI designs preferred. The candidate must be very detail oriented with strong organizational skills and be able to identify and solve problems independently, completing tasks in a cost effective and time efficient manner.

Requirements

- Typically requires a minimum of 4 years of related experience
- Cadence Allegro/OrCAD and/or Altium Designer experience preferred
- Bachelor's degree in Electronics or similar preferred
- Familiar with preferences for PCB fabrication and assembly processes
- Solid team-player, capable of communicating concepts clearly and concisely in written and verbal form
- Proficient in use of MS Office Suite tools
- U.S. Citizen

Duties & Responsibilities

- Design printed circuit boards that meet or exceed our customer's mechanical, electrical, regulatory compliance, and manufacturing requirements
- Identify and resolve design issues as they arise
- Analyze and interpret engineering drawings, schematics, and flow diagrams
- Able to read a schematic and use it during placement to determine the necessary relationships of parts to each other for important nets and power distribution
- Create and verify PCB Library Symbols and associated Schematic Library Symbols from data sheet information
- Update schematics using the required schematic capture tool, Altium Designer / OrCAD CIS experience preferred. Create schematics from engineering sketches is sometimes necessary.
- Determine best stack-up to meet electrical requirements
- Set-up Electrical Constraints
- Place and route designs reflecting circuit priorities and best practices
- Produce documentation and data files for PCB fabrication and assembly
- Interface effectively with board Fabrication and Assembly Suppliers
- Support status meetings and program reviews and communicate in-process progress to project team
- Work closely with Core Source engineers and customers
- Balance active projects as needed, ensuring on-time completion within budget.
- Adhere to ISO-9001 work instructions and other company policies

Miscellaneous

- Typical business hours with opportunities for flexible scheduling and remote work based on project requirements.
- It may be necessary to work at or visit a customer site from time to time, however this is seldom and limited to the immediate region.