

Authentix® Job Description

Title: PCB Designer Cost Ctr: 705-000

Work Location: Addison, TX Position Status: Full-time Part-time

Position Reports to: Director, Hardware

Position Overview and Definition:

Authentix is looking for a PCB Designer able to layout complex multi-layer Printed Board designs using Cadence Allegro 16.6./17.2. This position is not just limited to board layout, but also includes electronic CAD librarian. This position will include working with our Product Lifecycle Management software system. This position will create complete deliverable fabrication package to be used to procure and fabricate both the bare board and assembly. This position will be capable of answering all questions related to the layout to the design team and outside board vendors.

Functional Description:

- Prepare complex printed circuit board layouts per IPC-6012, IPC-2221, J-STD-001, IPC-7351 and other associated specs and standards.
- Familiarity with high speed signal layout techniques for signal integrity and EMC.”
- Self-check completed layouts and drawings for clarity, completeness, conformity to standards, procedures, and specifications
- Enter all the design rules into the Cadence constraint manager.
- Perform independent reviews of the design using provided software. Generate all outputs files required for the manufacture of the board and assembly.
- Create new and make changes to existing layout drawing in Cadence Allegro (footprints, schematic symbols, and maintaining Orcad CIS database).
- Work closely with various engineering disciplines, designers and Technical leads.
- Coordinating with other disciplines affected by design development on design reviews and change orders.
- Incorporate Engineering change orders on designs using our Product Lifecycle Management tool (creating part numbers, ECO creation, BOM entry)
- Working with the manufacturing engineer team to facilitate design reviews as they relate to PCB layout and design for manufacturability.
- Ability to work in multiple discipline integrated product development team environments to successfully execute tasks and deliver high quality work products
- Must have strong desire to learn and contribute in a teaming environment
- Microsoft Office tools i.e. Word, Excel, Power Point, Access and Visio
- Performs other duties as required.

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Education and Experience:

- Associate Degree in a Technology Field
- Minimum of 8 years of experience in product design and development in the field of PCB Designer

Additional Factors Resulting in Added Consideration:

- Experience in the following areas:
 - SolidWorks
 - Cable Drawings
 - Arena PLM
 - OrCad Schematic capture
 - Writing test plans