

**Core Source Technologies  
Job Description**

**Hardware Engineer I**



**SUMMARY**

The ideal candidate will have a strong background in signal design at the board level to include schematic capture, component selection, PCB layout, placement, and routing. The candidate will have hands-on experience in analog, embedded controller and power supply design. The candidate should also be highly skilled in troubleshooting and RF design. The incumbent will be responsible for a wide variety of tasks to be completed in a cost effective and time efficient manner. The candidate must be detail oriented with strong organizational skills and be able to identify and solve problems independently.

**REQUIREMENTS**

Bachelor of Science Degree in Electrical Engineering or equivalent

Minimum 2-5 years experience

Digital Design

Analog Design

Control Circuits

Power Supply Design

Board Level Design Implementation – Schematic Capture, Component Selection, PCB Layout Guidance, Placement, Routing Design for Manufacturability

**Other:** U.S. Citizen

**DUTIES & RESPONSIBILITIES**

- Manage multiple projects at one time, ensuring on-time completion within budget.
- Hands-on design of board level circuitry, mixed signal.
- Good understanding of 1phase and 3phase circuit theory, analog and digital electronic circuit theory and microprocessor, controls and programming
- Analyze and interpret engineering drawings, schematics, wiring diagrams, and test procedures
- Develop schematics and electrical drawings using the required schematic capture tool.
- Work with the PCB layout designer to support placement and routing concerns.
- Develop and build test fixtures and maintain production test procedures.
- Perform measurement and problem analysis in support of returned RF components / subsystems / systems.
- Develop understanding of customer applications to assist in resolving field and/or product configuration issues during and after installation.
- Generate BOM's and potential assembly directions in cooperation with manufacturing.
- Interface as required with board fabrication and assembly facilities.
- Develop test strategies and test plans.
- Understands how to properly use oscilloscope, network analyzer, and spectrum analyzer, signal generators and power meters.
- Monitor testing at the lab, and interface with lab personnel as needed
- Solid team-player, capable of communicating concepts clearly and concisely in written and verbal form.
- Support status meetings and program reviews.
- Work closely with Core Source Customers.
- Adhere to ISO work instructions and other company policies.

**MISCELLANEOUS**

Hours: 8:00 a.m. to 5:00 p.m. Monday-Friday, 1 hour lunch.

You may be required to work at a customer site from time to time.

Possible flex time and work from home.