

FLUID COMPONENTS INTERNATIONAL, LLC.
Electrical Engineer Sustaining Engineering

Position Purpose

Working with general supervision under the Supervisor Electrical Engineering SE, the incumbent will interface with Engineering, Quality, and suppliers in order to address technical electronic issues of FCI products that are in production and find solutions. Incumbent may be responsible for modifying circuits of production products as needed.

Essential Job Functions

- Work on and facilitate cross functional teams to identify cause of electrical circuits failures, propose a solution, develop or re-engineer electronic circuits for products as needed.
- Design or assist in the design of analog and digital electronics circuits of products and systems as require in order to support exiting product lines.
- Conduct testing of electronic circuits to determine performance, or to identify cause of failure for both analog and digital circuits, using DMMs, oscilloscopes, firmware debugging tools, etc.
- Develop schematics using ECAD tool and direct PCB designers on the layout of circuit board assemblies.
- Create component specifications, recommendations, and part evaluation reports for guiding design teams for part substitutions.
- Create and/or review documentation, BOM's, schematics, diagrams, drawings, and procedures related to components and assemblies.
- Evaluate parts analytically and or experimentally.
- Work with purchasing to resolve component procurement processes. Provide direct advisory support of purchasing operations.
- Support continuous improvement of our component qualification process and related product development processes.
- Perform other electrical engineering tasks as assigned.

Education/Work Experience/Qualifications

- Bachelor of Science degree in Electrical Engineering.
- A minimum of 2 years of "Hands-On" experience in analog and digital circuits design, with a strong theoretical background .
- 3-5 years of experience in an industrial engineering environment, instrumentation experience preferred.
- Must have a strong experience in troubleshooting circuits, and be comfortable with the use of lab equipment, like DMM, oscilloscopes, and software debugging tools, etc.
- Excellent analytical, organizational and PC skills.
- Thorough understanding of functionality of electrical components, component part testing and failure analysis.
- Project management and strong team leadership history desirable.
- Working knowledge of PADS DX Designer a strong plus.
- Proficient in Microsoft Word, Excel and Power Point.

Financial Management

- Recommend project budgets and expenses; may include equipment needs.

Safety

- Follow safe work practices, participate in safety training as required, and report any unsafe condition or accident.

Quality

- Employees are responsible to understand and support the quality policy and the appropriate elements of the quality management system for their areas of work, reduce, eliminate, and prevent quality deficiencies.
- Initiate action to prevent the occurrence of nonconformities related to product, process, and quality system.

Communication

- Communicate effectively in English, both verbally and in writing.
- Maintain effective and constructive working relationships with others both internally and externally.
- Prepare effective reports and presentation of project information.

Physical/Travel Requirements

This position requires extensive periods of sitting, including time spent working on a computer and working at a work bench. Physical requirements also include walking and standing. Time spent at work bench includes grasping while soldering, may use a magnifying tool/microscope. Regular lifting up to 20-30 lbs., infrequent lifting up to 50 lbs.

These duties may be modified or changed at any time at the sole discretion of management either orally or in writing. The above statements are not to be construed as an exhaustive list of all responsibilities, duties, and skills required of this position. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.

FCI pioneered the development and application of thermal dispersion flow and level sensing technology. The Company is the world-recognized leading manufacturer for solving flow and level measurement applications for industrial process and plant applications using patented thermal dispersion flow measurement technology.

The Company began in 1964 and is the world leader in thermal mass flow meter technology. From off-the-shelf product solutions to custom engineered products and systems, FCI provides world leading experience and a record of unequalled innovation to meet or exceed our customer application demands. Complimenting FCI product leadership is a world class Flow and Level Calibration Facility in which all calibrations are performed in liquids or gases utilizing only N.I.S.T. traceable equipment and instrumentation.

ACKNOWLEDGEMENTS: FCI is an Equal Opportunity Employer. We encourage applications from all individuals regardless of race, religion, color, sex, pregnancy, national origin, sexual orientation, ancestry, age, marital status, physical or mental disability or any other protected class, political affiliation or belief. FCI is an active participant of the DHS and SSA E-Verify program.