



Job Title: Manufacturing Engineer (Electrical)

Summary: Improve the manufacturability and quality in production including both product design and manufacturing issues. Assist in the manufacturing support for all electronics based assemblies. Provide quick response to technical issues on the manufacturing floor and occasionally in the field. Facilitate the introduction of new product designs from R&D into manufacturing. Update design of PCBs to keep them using current technology.

Responsibilities: Investigate Engineering Investigation Requests and implement Engineering Change Orders. Troubleshoot circuit board assemblies and implement design improvements. Make changes as necessary due to component obsolescence. Utilize electronics CAD software to create new designs and upgrade existing products. Provide technical expertise to manufacturing and other departments. Initiate, implement, and upgrade assembly and test procedures protocols for electro-mechanical instruments. Perform root cause analysis and assist with the repair of systems and components returned from the field. Troubleshoot electro-mechanical assemblies and recommend design improvements. Coordinate test script, firmware, and software upgrades with Software personnel. Train manufacturing personnel on manufacturing procedures and assembly methods. Travel to customer sites for analysis of unique product failures. Perform other work related duties as assigned.

Supervisory Responsibilities: None

Minimum Qualifications: Minimum Bachelor's degree in Electrical Engineering or related field.

Desired Qualifications: Three years' experience with schematic design and PCB layout is required. Experience in a Manufacturing or development environment. Experience spanning electrical, mechanical, and software engineering disciplines. Ability to troubleshoot complex electronic faults to component level. Ability to read and understand mechanical drawings. . Experience with Lean Manufacturing and Six Sigma concepts. Experience with MRP and/or ERP systems. Experience with complex robotic systems.

Computer Skills: Proficiency with Altium (or similar) ECAD Software. Proficiency with Windows based software applications.

Work Environment: Production.

Physical Requirements: Must be able to meet National Institute for Occupational Safety & Health (NIOSH) Standards.

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***No Recruiters Please.**

