

TENSILITY

Job Description: Applications Engineer

Date: March 11, 2019

Summary

Tensility designs and sources cable assemblies and components to support customers from conception through production. Our focus is to connect customers to information and products through first class, efficient, customer-centric systems.

Engineering at Tensility is integral in providing first class customer service and support, not only because of the products we build, but because of the type of customers we serve: engineers. The application engineer supports customers on a daily basis, ensuring they receive relevant information in a timely manner. The person in this position works closely with sales and vendors to make sure all product realization communication is accurate and appropriate for customer projects.

Tasks include:

1. Customer specifications and support
 - a. Works with Sales to assist customers with product selection, design, and technical support related to electrical/electronic functional parameters.
 - b. Drafts models and specifications in Solidworks to meet customer requirements.
 - c. Trouble-shoots customer projects and/or Tensility products using typical bench test equipment and electrical/electronic diagnostic skills at the component level.
 - d. Works with engineering team to ensure proper product & vendor selection.
 - e. Designs custom molds and/or circuits.
 - f. Researches and recommends materials.
2. Vendor communication and processes
 - a. Primary contact for vendor communication and instruction regarding product specifications.
 - b. Researches and recommends manufacturing processes.
 - c. Troubleshoots issues with vendors regarding product selection or requirements.
 - d. Assists oversees employees by communicating home office requests and requirements.
3. Product design & engineering
 - a. Assists Product Development Team in designing new product lines.
 - b. Contributes to 3D modeling library for online and in-house use.
 - c. Other engineering projects as needed.
4. Quality Assurance
 - a. Assists with Quality Assurance when additional engineering support is needed.
 - b. Maintains knowledge and compliance with regulations and legislation.
5. Other

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- a. Employee may at time be asked to participate in other activities and functions that contribute to the company as a whole, including: answer phones, prepare shipments, marketing efforts, quality control
- b. Other activities which may be special skills of employee and become part of permanent job description.

Knowledge and Skills Requirements

Bachelor's degree in EE, ME or equivalent, with knowledge of electronics and circuit theory.

Software

- Solidworks
- Common office software including Word, Excel, Power Point, Outlook, etc.
- Will need to know or learn SAP Business One
- 3D printer

Equipment

- Test: DVM (handheld and precision benchtop), power supplies, electronic load, power analyzer, network analyzer, spectrum analyzer, hi pot tester (megger), oscilloscope, thermocouples.
- Physical measurement: Digital calipers, digital micrometer, digital depth gage, digital height gage, electronic scale, optical comparator, microscope.
- Assembly: Hand soldering (IPC J-STD-001 certificate or equivalent beneficial), wire stripping, terminal crimpers.

Other

- Maintain a professional appearance.
- Able to work in a team atmosphere as well as do independent work.
- Flexibility; ability to work in a changing or uncertain environment.
- Desire to learn and push personal limitations.
- Ability and/or desire to promote Tensility brand.

Working Conditions

Working conditions are normal for a professional office environment. Some travel may be required.