



Senior Engineering Technician

Location:

Ashburn, Virginia

Position Description:

The Senior Engineering Technician shall support the Engineering Department in developing, testing, and deploying products ranging from small handheld embedded devices to rack mount systems. The ideal candidate is comfortable working independently or with other members of the technical staff. They must be proactive and a self-starter, able to master new skills and contribute to technical solutions.

Responsibilities:

- Work closely with electrical, mechanical and software teams in our Engineering Labs on new and existing development programs
- Participate in and contribute to engineering design reviews
- Perform technician functions including assembly, rework, test, and debug of SMT circuit boards, cables, battery packs, electromechanical systems, etc.
- Document bills of materials and manage inventory: ordering, tracking, receiving, and kitting
- Perform engineering lab support functions: equipment calibration and maintenance, general lab organization and supplies
- Troubleshoot and resolve electrical and mechanical issues
- Develop, document, and execute test procedures, scripts, and fixtures for embedded and rack mount systems

Required Experience:

- Proficient with standard lab equipment, e.g., Oscilloscopes, Network, Spectrum and Logic Analyzers, DAQ systems, multi-meters, power supplies and electronic loads
- Ability to reliably solder down to 0402 components and 0.5mm pitch IC's and connectors
- Familiar with common electronic components – R/L/C, transformers, logic, FPGA's, microcontrollers, opamps, voltage regulators, LCD/OLED panels, connectors, etc.
- Proficient in MS Office with good written and verbal presentation skills
- Ability to lift 50lbs

Desired Experience:

- Five years' equivalent experience
- AS or equivalent degree
- Experience with Linux, network infrastructure, and basic network administration
- Familiar with RF testing concepts and equipment
- Experience with 2D or 3D mCAD tools, e.g., Solidworks and Autocad
- Experience with common shop tools – drill press, bandsaw, grinder, mill, CNC, etc.
- Experience with eCAD tools, e.g., OrCAD/Allegro and Altium
- Experience with regulatory testing to MIL-STD-810 and MIL-STD-461
- IPC-J-STD-001 solder certified or able to achieve certification.
- Experience with Python, Visual Basic, or similar programming