

# Job Description

Title: Senior Electronic Technician Cost Ctr: \_\_\_\_\_  
Work Location: Addison, TX Position Status:  Full-time  Part-time  
Division & Department: Engineering  
Position Reports to: Engineering Director

## Position Overview and Definition:

The Senior Electronic Lab Technician sets up and execute electrical/mechanical engineering prototype fixtures. Troubleshoot electrical device from a schematic and associated equipment down to the chip component level. Have the ability to work from a schematic and or bill of materials to build up a prototype (make cables, soldering chips on a board), and testing the prototype using an oscilloscope, multimeter or data acquisition test equipment.

## Functional Description:

- Work with development team assisting with designing, prototyping and testing electronic devices and *optoelectronics (soldering, making cables, making proto-boards)*
- Help in the planning of prototyping assembling electronic PCB hardware, and testing systems without supervision
- Interpret electrical schematics, specifications, and test procedures.
- Proactively solves problems on engineering products and provides recommended course of action when needed.
- Help in the analyzing, interpreting, and formulate preproduction testing results.
- Fabricate test fixtures as necessary to support test procedures.
- Reliably record data and experimental setups
- Work closely with design engineering staff, as well as, working independently

## Candidate Competencies:

- 5+ years' experience in a design and development environment prototyping electronic assembling and optoelectronic systems.
- Experience working with embedded systems and electronic test equipment such as oscilloscopes, multimeters, data acquisition systems, and temperature testing
- Excellent soldering and prototyping skills including surface mount technology (0402)
- Ability to read and understand schematics
- Knowledge of parts procurement, working with and creating a Bill of Materials
- Computer skills with Word / Excel and the ability to document all test results.
- Creative team-player with excellent communication skills

## Education and Experience:

- Associates degree in electronic or mechanical technology
- Minimum of 5 years of experience working in a electronics lab