



## Job Description ELECTRONICS TEST TECHNICIAN

### **Full Time Position**

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#### **Position Description:**

Set up or devise standard or automated test equipment to conduct functional, operational, environmental, and life tests to evaluate performance and reliability of prototype or production assemblies. Analyze test results and repair or adjust assemblies according to analysis. Recommend corrections and improvements to test procedures to simplify testing and/or assembly processes.

#### **Major Responsibilities Include:**

- Conduct functional tests to measure the performance of production electronic systems, assemblies, and sub-assemblies.
- Test commercial and complex (mil-spec) electronic assemblies with pre-production or prototype documentation.
- Compare test results with specifications and accurately record test data.
- Analyze defective units to determine root cause of failure.
- Help develop processes, tooling and fixtures as required.
- Ensure that all test equipment calibration requirements are maintained.
- Effectively manage time, and complete all tasks as assigned by the supervisor.

#### **Educational Experience:**

The ideal candidate will have an Associate's Degree, Post-Secondary Certificate or equivalent military training in Electronics Engineering Technology or related field.

#### **Experience/Technical Requirements:**

- 5+ years experience testing, maintaining, and/or repairing electronic assemblies, preferably in a production environment.
- Must have intermediate to advanced knowledge of analog and RF theory, microprocessor-based, and mixed-signal circuits.



- Demonstrated ability to interpret and use wiring diagrams, schematics, and engineering work instructions.
- Demonstrated ability to analyze and troubleshoot defective units to the component level.
- Must be proficient in the use of general test equipment (Oscilloscopes, function generators, DMM's, etc.).
- Must be proficient in the use of Windows-based computer programs. (Excel, Word, Power Point)
- Hand- soldering and rework experience is highly desirable.
- A general understanding of the production of printed wiring assemblies is desirable but not required.

#### **Other Requirements:**

Availability and willingness to work alternate shifts and overtime as necessary.

#### **Physical Demands**

Must have good color perception, eyesight, and the ability to effectively use magnification aids such as binocular microscopes and related test equipment. Must have good hand-eye coordination, and the ability to use basic hand tools. Must be able to comfortably lift up to 40 pounds. While performing the duties of this job, the employee is regularly required to sit; use hands, reach with hands and arms, bend and twist to lift and reload items, and talk or hear.

**This position may require exposure to information which is subject to US export control regulations, i.e. the International Traffic in Arms Regulations (ITAR) or the Export Administration Regulations (EAR). All applicants must be U.S. persons within the meaning of U.S. regulations.**