

Component Test Engineer Job Description

Job Description:

This position involves developing and maintaining test procedures and test fixtures of electronic components such as resistors, transistors, transformers, and integrated circuits. The candidate will work as part of a collaborative team with the following responsibilities:

- Develop electrical tests for validation against component specifications.
- Collaborate with environmental and radiation test teams to complete component characterization and testing.
- Work with Configuration Management and Quality teams to manage releases and revisions of test fixtures, software, and test procedures.
- Perform characterization of newly designed components to verify operation to design requirements.
- Train engineers and operators to correctly perform testing of components.
- Review test data and reports prior to being provided to customers.
- Maintain existing fixtures, software, and test procedures.
- Migrate tests to new equipment and systems, as needed.

Qualifications:

- BS degree in Electrical Engineering or related technical field
- Experience with test equipment such as oscilloscopes, multi-meters, spectrum analyzers, network analyzers, and impedance analyzers.
- Experience with troubleshooting and debug of electronic test circuits.
- Experience with electronic component testing and characterization.
- Proficient in scripting languages (i.e. perl or python) and data analysis is desired.
- Knowledge of LabView is desired.
- Knowledge and experience with MIL-STD requirements is desired.
- Experience with design of Printed Circuit Boards is desired.