

Electronic Test Engineer/Technician

Job Description

As the electronic test engineer/technician, your primary responsibility is to support the engineering development team with various tasks that include, setting up hardware tests, thermal and environmental testing, data acquisition, data reduction, test reports, circuit board build and repair, troubleshoot digital and analog circuits, and use various digital communication protocols, such as CAN, SPI, I²C, RS232 in troubleshooting hardware. You will also be involved with design reviews and preparation of data.

Your Duties

1. You will also be responsible for setting up and maintaining an electronic laboratory with high-voltage and high-power instruments. You will be interfacing with both single-phase and three-phase equipment.
2. You will be organizing and maintaining the entire laboratory.
3. You will be required to read schematics with power devices, digital microprocessors, and understand their basic operation.
4. You will build, repair, and maintain various prototype devices for the engineering development team. Use of digital instruments such as oscilloscopes, spectrum analyzers, LCR meters, power analyzers, data loggers, etc. will be required.
5. You will be maintaining an inventory of parts and responsible for creating and supporting part numbers. Your organizational skill will apply to maintaining the lab in its optimum functioning condition.
6. You must be comfortable with all forms of soldering, through-hole, surface mount, and hot-air reflow following IPC standards.
7. You will be required to make some mechanical fixtures, modify existing ones using tools such as drill presses, band saws, sanders, etc.

Prerequisites

1. 10+ years of experience as an electronic technician with hands-on experience.
2. Minimum associate degree or certification in electronics preferred.
3. Complete proficiency in reading schematics of any kind.
4. Strong knowledge of computer tools, data acquisition, communication protocols.
5. Full proficiency in Microsoft Office, particularly in Excel.
6. IPC certified solder operator preferred.
7. Must be very well organized.
8. Automotive experience is a plus.
9. Manufacturing experience is also a plus.