



Job Title:	Electrical Engineer	Job Category:	Engineering
Department/Group:	Engineering/ATE	Job Code/ Req#:	00000103
Location:	Wixom	Travel Required:	Up to 20%
Level/Salary Range:		Position Type:	Full-Time
HR Contact:	Kristin Kefalas	Date Posted:	2/11/2020 - updated

Job Details

Job Description:

The Electrical Engineer/ATE will be responsible for supporting all electrical design functions related to Aerospace Test equipment by designing electrical equipment to test aircraft controls and avionics.

Job Responsibilities:

- Design schematic drawings, troubleshooting, debugging electrical circuits, component selection, and PCB design (top level)
- Support all electrical design functions related to Automatic Test Equipment (ATE) for low/high power applications
- Create Bill of Materials (BoM) technical manuals corresponding to electrical schematics and updating those previously designed to match new requirements
- Design a top level application software (Basic based) to run test algorithms on the actual test stand for a Unit Under Test (UUT)
- Follow all company design processes and support the development of test platforms
- Interpret customer specifications and other source documentation to design a device/system that meet all necessary requirements for testing
- Work directly with the Engineering Manager and the ATE group design team members
- Design electrical schematic drawings according to a customer specifications including new design
- Assist electrical technicians/shop workers in the assembly of electrical equipment



Requirements:

- BSEE highly preferred
- A minimum of 2 years of experience with the following:
 - Specifying and sizing electrical parts based on calculations, customer specifications, and engineering basis
 - AC and DC test solutions and controls
 - CAD software and PCB design tools experience preferred
 - Selection and utilizing instruments for measuring, controlling and recording data on test machines
 - Power-up, debug, and calibration of electrical/electronic equipment
 - Basic knowledge of US and International electrical codes (NEC and IEC)
- Must have strong communication skills including the ability to read, write, and understand English
- Travel up to 10-20% (requires experience prior to travel)