



Aircraft component OEMs, MRO facilities and operators depend on Testek Solutions for highly reliable aerospace test equipment to certify hydraulics, power generation, avionics, fuel, lube, actuator, and pneumatic components. With a 50-year track record of success, Testek uniquely holds long-term OEM partnerships, provides the industry's leading equipment warranty, and support from a dedicated worldwide team.

We are actively seeking an **Electronic Design Engineer** to work with a worldwide dedicated team to design and develop electronic hardware.

Job Responsibilities:

- Responsible for Electronics hardware circuit design and development including Analog design (Opamps, BJTs, FETs, temperature sensors), Digital design (Micro-controllers), Mixed signal design (ADCs/DACs), power supply design (SMPS, Linear)
- Responsible for reading corporate SOW's (statement of work) and design requirements
- Selecting and sizing components needed
- Circuit simulation using LTSpice/PSpice/Circuit maker
- Schematics capture and layout design using EasyPC/Mentor graphics, Expedition PCB/Eagle/Altium,
- Verification of Gerbers for Manufacturing
- Communicate with Component manufacturers, pricing with vendors, and bill of material creation,
- Hardware prototype testing
- Create test firmware for Micro-controllers
- Create design documents and acceptance test procedures
- Validation of final production PCBs
- Provide support to the Engineering Manager and Technical Chief Engineer to complete tasks

Requirements:

- Bachelor degree in Engineering required

Experience to include 5 years of:

- **PCB design tools:**
 - EasyPC (preferred)
 - Mentor graphics Design Capture
 - Expedition PCB
 - Eagle/Altium
- **Hardware test equipment:**
 - DMMs, Oscilloscope
 - Power analyzer
 - Function generator
 - Environmental chambers
- **Simulation tools**
 - TSpice
 - PSpice
 - Circuit maker
- Familiar with communication protocols
 - UART

- RS232
- RS485
- I2C
- SPI
- USB
- CAN
- Ethernet
- Micro-controller IDEs
- Ability to solder SMT, TH components and troubleshoot
- **Green Card Holder/US Citizen a must**

Testek Solutions requires all new hires submit and pass a pre-employment drug screen, credit check (when applicable), and background check prior to beginning employment.

Testek Solutions is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, disability, age, sexual orientation, gender identity, national origin, veteran status, height, weight, genetic information, or any other classification protected by federal, state, or local law. Testek Solutions is committed to providing access, equal opportunity and reasonable accommodation for individuals with disabilities in employment, its services, programs, and activities. To request reasonable accommodation, contact the Testek HR Department at 248-573-4980 or email hrdept@testek.com