

Test Systems Design Engineer for Aerospace Cabin/Audio Products

Let your career fly first class with Alto Aviation, a growing, unique company where you will be challenged, supported, and empowered.

You will have the opportunity to envision and bring to life the future of Alto's production testing process for aerospace products. Your test hardware and software designs will build on our existing capabilities to prepare us for the next generation of exciting new products. Through production support and failure analysis of field returns, you will be able to directly see the results of your efforts. Bring your wide range of skills and experience including circuit design/engineering, firmware and software development, product manufacturing and release, and see what direct impact you can make on Alto's future success.

We are looking for someone who enjoys working as part of a small team with a DIY attitude and willing to bring ALTO's production quality and testing to the next level. A positive attitude and technical curiosity are a must to be successful in this role. Plus, you will be working some really cool high-end audio and cabin management products for private jets.

ALTO Aviation designs and manufactures a variety of products, including cabin management systems, and is the established leader of high-end aircraft entertainment audio systems for business and private aviation. Founded in 1997, ALTO provides a stable, challenging, and rewarding work environment with a talented and dynamic team of committed individuals.

What results we desire:

- A future roadmap for Alto's production product testing
- Designs and build oversight of custom test equipment and fixtures
- Assembly processes, tools, fixtures, plans, and equipment to support new product introduction
- Technical support to inhouse and external production teams
- Support to engineering on product design as it relates to production
- Participation in design reviews and evaluation of new product designs
- Failure analysis of field returns and support engineering with corrective actions

What you bring:

- Bachelor of Science degree in EE or CE discipline, or equivalent, with 3+ years design or development experience
- Understanding of electrical engineering principles in both analog and digital domains
- Experience with hardware and embedded electronics engineering and development processes
- Experience with basic PCB layout (Altium, Eagle, or Kicad), design, and troubleshooting
- Experience with embedded software environments
- Experience with engineering tools and technologies – e.g. multi-meters, oscilloscopes and related digital tools
- Proven ability to develop production test solutions. Visual Studio & SQL experience preferred. MATLAB experience a plus
- Excellent problem solving & troubleshooting skills
- Excellent oral and written communication skills, including developing test procedures
- Ability to work independently with little supervision
- Ability to apply discretion and trust with confidential material
- Excellent time managing skills with the ability to multi-task, prioritize and meet deadlines
- A desire to make a difference

What we bring:

- Friendly engaging organization promoting work-life success
- A positive workplace culture offering opportunities for growth and advancement
- Management team committed to providing a collaborative and autonomous work environment

- A company that thrives on trust and respect for all individuals
- High level of transparency providing you control over your career
- 401(k) retirement plan with company-matching benefit
- Medical and dental insurance
- Employer paid life, short/long term disability, and AD&D insurance
- PTO accrual of at least 24 days, including holidays, starting at date of hire

*Please provide Salary requirements with your application