

# Electrical Designer

Middleburg Heights, OH

## Description

Utilize Altium Designer or Mentor Graphics Xpedition for aerospace PCB layout and design. Contribute to multiple projects from an electrical design and development perspective. Coordinate with other design disciplines.

## Responsibilities:

- Perform PCB layout and design using Altium
- Perform PCB layout and design using Mentor Graphics Xpedition
- Support PCB lifecycle including schematic generation, ECAD footprint generation, drawing reviews, generation of assembly information and fabrication support.
- Coordinate with multiple disciplines to resolve technical issues.
- Participate as a team member on development projects and team meetings.

## Requirements

- **US CITIZENSHIP OR VALID GREEN CARD REQUIRED**
- Education - Associate's Degree
- Years of experience: 1-5
- Experience with Altium
- Experience with Mentor Graphics
- Familiarity with IPC standards
- Experience with high voltage, FPGA, mixed signal, flex circuit and rigid flex PCB design

## Preferences

- Preferred Years of Experience >5
- Experience with switch mode power supply design, impedance matching and EMI control techniques
- Experience with high density multi-layer surface mount and through hole technology

## About Us

ZIN Technologies, Inc. is a federal contractor and an award-winning AS 9100 registered small, disadvantaged business (SDB) headquartered in Northeast Ohio. Established in 1957, ZIN is a leader in providing advanced engineering services and product development solutions for NASA, DoD, and private industry.

ZIN provides full lifecycle development of aerospace systems including design, development, engineering, integration, test, evaluation, orbital operations, systems modeling, simulation, verification,

and validation. The flight hardware lifecycle spans concept definition, design, development, fabrication, verification, integration, launch, operations, and data processing.

We offer expertise in multi-discipline engineering, system and product development, production, and research and technology development. ZIN'S engineering capabilities include systems, mechanical, electrical, fluids, propulsion, structural, thermal, integration and test.

ZIN has a strong heritage in the areas of Space Operations including payload operations, space communications, navigation, and network reconfigurable testbed. ZIN supports exploration systems (ORION, SLS, ISS, commercial vehicles) and space technologies (advanced communications, power, propulsion, cryogenics).

Our award-winning 200+ person organization consists of scientists, engineers, designers, and technicians. ZIN employs an integrated performance-based management approach, providing experienced people, proven processes and tools and exceptional cost, schedule, and technical performance while identifying and managing program and project risks.

Offering Unsurpassed Product, Process and Service:

- Prime contractor
- Sub-contractor
- Product manufacturer
- Value-added service provider

### **Company Benefits and Programs**

In addition to competitive salaries, ZIN offers excellent benefits to our associates, including medical, vision, and dental insurance; short- and long-term disability; life insurance; paid leave and paid holidays; 401(k) retirement plan (immediate vesting); education and training reimbursement; professional development opportunities; employee assistance program; flexible spending plans; credit union membership; and direct deposit.

As a federal contractor, ZIN Technologies strives to comply with all applicable customer, federal, state, and local requirements, up to, and including, COVID-19 vaccine regulations. ZIN Technologies may require its employees to obtain full COVID-19 vaccination, provide proof of vaccination status as a condition of employment, provide documentation to substantiate a valid exemption, as defined by law, and/or comply with all safety protocols related to COVID testing, mask wearing, and physical distancing while in covered contractor workplaces.

**ZIN-Technologies, Inc. is an Equal Employment Opportunity Employer**

Minority/Female/Disabled/Veteran