

# JOB LISTING

## PCB DESIGN ENGINEER



### POSITION

PCB Design Engineer

### LOCATION

Dallas, TX

### DESCRIPTION

VectorNav is seeking a highly motivated and skilled PCB Layout & Design Engineer to manage the printed circuit board designs required to support product development and R&D engineering efforts. This is a unique opportunity to work for a small rapidly growing high-tech company that designs and manufactures miniature sensor systems used in a wide range of military & industrial applications. Board designs will consist of a mix of medium to complex 4 to 12-layer PCB's, with heavy use of modern HDI technologies.

### PRINCIPAL DUTIES AND AREAS OF RESPONSIBILITIES

- Design printed circuit boards that meet internal design standards for advanced industrial sensor devices
- Work alongside highly skilled Aerospace, Mechanical, and Electrical Engineers to manufacture new product PCB prototypes, custom production programming jigs and fixtures used for product testing and calibration
- Ability to work with HDI technologies such as micro, blind, and buried vias
- Strong understanding of modern PCB design and manufacturing techniques
- Knowledgeable in routing for high-speed signals, RF traces, impedance control, and BGA layout
- Design products with multiple tightly packed PCBs with ultra tight integration where component 3D geometry must be managed using simultaneous of mechanical CAD with ECAD.
- Work with PCB manufacturing vendors, and contract manufacturers to complete quick-turn prototype PCB assemblies
- Review schematics and develop footprints from component datasheets
- Understand basics of sensor communication buses used by microprocessors / microcontrollers such as I2C/SPI/UART, etc.
- Communicate with PCB and assembly contract manufacturers to ensure that PCB designs are manufactured per fabrication notes

### DESIRED SKILLS AND EXPERIENCE

- Must be able to work in a team environment with good communication skills
- Self-managed, figure out what needs to be done and do it
- Take ownership of tasks. Learn and suggest new methods
- Willing to dig deep, learn, and innovate with our team
- Quality focused

### EDUCATION AND EXPERIENCE REQUIREMENTS

- Bachelor's Degree in Electrical Engineering or related area of study required
- If no degree, must have 5+ years as a PCB layout designer
- Experience with either Autodesk Eagle Cadsoft or Altium Designer software is a must
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- Experience with Autodesk Eagle Cadsoft is highly preferred
- Will require use of Autodesk Eagle for all current board designs. If applicant is not fluent with Autodesk Eagle, they will be required to become fluent within the first two months of hire

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### BENEFITS AND PERKS

- Flexible office hours
- Paid holidays, PTO accrual, & floating personal days off
- Top notch medical, dental, and vision insurance
- Stocked kitchen/break room with healthy, and not-so-healthy snacks and drinks
- Catered Friday lunches, semi-annual parties, and other office event

### ABOUT VECTORNAV

VectorNav Technologies is the leading innovator and manufacturer of embedded navigation solutions using the latest in MEMS inertial sensor and GPS/GNSS technology. Since our founding in 2008, we have assembled a team of highly motivated and talented professionals, engineers and entrepreneurs to accomplish our vision: become the global leader in embedded navigation solutions. We are a fast-growing, dynamic company looking for team members to join us and help realize our vision.

VectorNav Technologies is headquartered in Dallas, TX, USA and is an AS9100 certified company.

#### VectorNav Technologies

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VectorNav Technologies, LLC is an equal opportunity employer. It is our policy to grant equal employment opportunity to all qualified persons without regard to race, national origin, color, sex (including pregnancy, childbirth, and related medical conditions), religion, age, disability, citizenship status, sexual orientation, genetic information, or any other characteristic protected by law.

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