

## PCB LAYOUT DESIGNER

### ABOUT THE COMPANY

Persistent Systems is a growing business that develops Mobile Ad hoc Networking (MANET) wireless radio systems for US Government and commercial applications. The radios are typically worn on the person, mounted to manned vehicles, integrated into autonomous unmanned vehicles, or installed at fixed sites. The systems provide on-the-move data, voice, video, and situational awareness capability. Located in the heart of New York City, Persistent Systems is an exciting company that is passionate about delivering cutting edge products.

### JOB DESCRIPTION

We are looking for talented PCB LAYOUT DESIGNER with extensive experience in the preparation of complex circuit board layouts and designs. The position involves the development of new designs as well as maintenance/support of existing products. The candidate needs to be capable of executing a design to meet with a wide range of electrical, mechanical, and environment requirements. The ideal candidate has recent, demonstrated, hands-on development expertise with PCB layout software such as Altium (or other). The position involves a significant level of autonomy in which a self-motivated applicant will work independently to develop solutions.

### EDUCATION:

Applicant must have BS in Electrical Engineering, BSET or ASET degree in Engineering Technology.

### POSITION RESPONSIBILITIES

- Maintains and defines library symbols and footprints per electrical engineering guidelines.
- Prepares detailed layouts of the printed circuit board and establishes all electrical functionality.
- Generates the assembly drawings and prepares parts list.
- Generates and checks all output files for the complete fabrication of the printed circuit board including Gerber files, IPC netlist, drill files, etc.
- Interfaces with PCB manufacturers to resolve any problems related to design.
- Interfaces with mechanical and electrical engineering to establish physical and electrical parameters to meet packaging requirements.
- Reviews electronic schematic data for initial appraisal of proposed design and estimates hours to completion.
- Reviews all support documentation and proposed changes to PC boards.
- Prepares mechanical layouts as required to establish design concepts related to PC board layouts, fabrication, and assembly documentation.
- Resolves technical issues related to PCB design and assists design group with solutions.
- Reports status of work in process as required by supervisor.

### QUALIFICATIONS / EXPERIENCE

- At least 3+ years experience with PCB design process, and design for manufacturability
- Minimum 5 years of experience using Printed Circuit Board layout tools such as Altium (must have), Cadence Or CAD, Cadence Allegro and/or PADS.
- Familiar with IPC Standards for Library parts, Printed Circuit Design and Manufacturing.
- Familiar with multilayer boards, and high density interconnects and fine pitch parts.
- Familiar with RF/Microwave circuit and high speed digital circuit routing and layout requirements.

- Familiar with Part Placement concepts and routing techniques for signal integrity and EMI.
- Knowledge of Navy/Military environmental qualification testing.
- Knowledge of Mil-Specifications and contracting.
- Good written and verbal communications skills are required.
- Capable of handling multiple projects simultaneously.

\*\*Applicant must have a security clearance or able to obtain a security clearance.\*\*

### EMPLOYEE BENEFITS

Persistent Systems offers a full suite of benefits including medical, dental, vision, disability, and life insurance. We provide multiple plans to suit your individual need. We also offer a matching contribution retirement plan, flexible spending plan, commuter transit program, and a generously discounted gym membership to Equinox.

### APPLY

Please send a resume, cover letter, and compensation requirements to [jobs@persistentsystems.com](mailto:jobs@persistentsystems.com).