

Lowell Manufacturing Company | www.lowellmfg.com

Electrical/Electronic Product Design Engineer

Founded in 1947, Lowell Manufacturing Company (Lowell) is a leading manufacturer of premium quality products made in the USA for Professional/Commercial A/V, Security, Residential Custom Installation and Broadcast applications. The Company designs, engineers and manufactures a broad portfolio of products encompassing 19" electronic equipment racks, cabinets and rackmount accessories, power distribution and protection devices, packaged loudspeaker systems, sound masking and audio controls. A separate Company division manufactures custom fabricated products for OEM customers nationwide.

Position Overview

Lowell has an opening for a multi-faceted and motivated Electrical/Electronic Design Engineer with broad based experience in AC/DC power distribution and circuit protection design. The ideal candidate will bring new and innovative design concepts to the Company's line of electrical/electronic products with documentation, testing and oversight responsibilities.

Essential Responsibilities

- Design, develop and model PCB assemblies, components and schematics using SolidWorks 3D CAD software and create, document and manage Bills of Materials related to the design
- Source, evaluate and implement 3rd party sub-components in product designs
- Provide technical support to customers, consultants/engineers, and inside/outside sales representatives regarding product use and application questions
- Interface with other team members in engineering, manufacturing, production and purchasing disciplines to optimize designs for manufacturability, and to ensure that prototypes progress smoothly
- Educate oneself in the industry and markets that the Company engages in to effectively define customer needs and requirements in the field
- Interface with 3rd Party Certification Services (UL, ETL, etc) to test and list the Company's new or redesigned electrical/electronic products

Preferred Qualifications

- Minimum 5-10 years experience in circuit design and power distribution

- Expertise in modeling and drafting in 3D CAD design software and associated tools (SolidWorks experience preferred)
- Understanding and thorough knowledge of the National Electrical Code – NFPA 70 and the Standard for Electrical Safety in the Workplace – NFPA 70E
- Deep knowledge of and proficient in applying circuit board design software in product designs
- Strong organizational, interpersonal, oral and written communication/presentation skills
- Reliable, detail oriented and focused with a proven ability to work independently with a high degree of organization
- Hands-on experience in the development of electrical/electronic products
- Ability to read and understand detailed drawings and specifications

Education/Experience

- Bachelor of Science degree in Electrical Engineering or similar applied discipline strongly preferred

Lowell is an Equal Opportunity Employer. All qualified applicants shall have the opportunity to be considered for employment without regard to their race, color, creed, religion, national origin, disability, veteran's status, sex, sexual orientation, gender identity, or any other characteristic protected by law.

Lowell is a Drug and Tobacco-Free Workplace.