



Position: Electrical Engineer

UltraCell is a global leader in research, development, and production of fuel cell systems for portable power applications. UltraCell was founded in 2002 to commercialize advanced micro fuel cell technology invented by Lawrence Livermore National Laboratory. In 2011, UltraCell became a wholly owned subsidiary of Bren-Tronics, Inc. UltraCell fuel cell systems are compact and light weight. They have undergone extensive Military Specification qualification testing and field trials.

Address: 5637 La Ribera Street, Suite A, Livermore, California 94550

UltraCell has an immediate opening for an electrical engineer. The electrical engineer is mainly responsible for analyzing, troubleshooting, and restoring printed circuit boards used in UltraCell products, designing and developing electrical testing methods and equipment used in manufacturing processes to assure excellent performance, quality, and reliability of UltraCell products.

Key Duties

- Oversee fabrication and procurement of electrical components and harnesses
- Trouble-shoots and performs preventative or corrective action on PCBs
- Designs, develops or procure, and maintains testing equipment
- Develops interconnect wiring diagrams and wire harness drawings, and test procedures
- Creates assembly instructions and test procedures
- Works with the development team to ensure design for manufacturability
- Trains manufacturing personnel on assembly and test procedures

Requirements

- US Citizenship
- Bachelor's degree in Electrical Engineering
- 1 – 5 years related work experience
- Excellent skills in working with electrical components (PCB, microcontrollers, wiring interconnects, and digital/analog I/O)
- Proficient in C, C++, and Python
- Experience in programming laser welder is a plus
- Understanding of analog and digital circuits, and power devices
- Understanding of manufacturing methods, i.e. board fab, assembly, flex circuits, etc.
- Proficient in reading mechanical engineering drawings
- Strong analytical skills
- Attention to detail
- Excellent verbal and written communication skills
- Self-motivation