Multiprobe, Inc.
Job Description

Job Title: Electrical Engineer
Reports To: Director of Engineering
Department: Engineering

Summary: Responsible for the electrical aspects of design, development and manufacturing by performing the following duties:

1. Key contributor in the development of new products, block level design, schematics capture, layout of printed circuit boards and testing designs.
2. Maintains the engineering office by creating files of projects and manual drawings for products on a regular basis.
3. Supervises electrical production to ensure work is performed in an accurate manner.
4. Monitors and supervises product tests regularly.
5. Provides technical support as needed.
6. Maintains contact with suppliers via telephone and in person and evaluates their proposals.
7. Evaluates reports of electrical malfunction and initiates corrective action as needed.
8. Answers customer inquiries regarding application of products.
9. Reports to the Director of Engineering for assignments and guidance.

Qualifications:
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education/Experience:
Bachelor's degree (B. A.) from four-year college or university; and one to two years related experience and/or training; or equivalent combination of education and experience. Training in electrical engineering related field is required.

Language Ability:
Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization.
**Math Ability:**
Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

**Reasoning Ability:**
Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

**Computer Skills:**
To perform this job successfully, an individual should have knowledge of Microsoft Word; Microsoft Excel; inventory software; design software; internet software and manufacturing software.

**Specialized Training:**
Experience designing for High Frequency circuits as well as high impedance and low noise. Should be comfortable with microprocessor integration and motor control. Excels in Board layout using OrCAD and other layout software. Can qualify design choices using P-SPICE or other circuit modeling software. Comfortable with FPGA Programming and Diamond Lattice is a plus. Can generate schematic and work instruction documentation for assembly and release to production.

**Equipment:**
Multimeter
Oscilloscope
Logic Analyzer
Signal Analyzers
Other Scopes

**Work Environment:**
The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

**Physical Demands:**
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The employee must occasionally lift and/or move up to 50 pounds. While performing the duties of this job, the employee is regularly required to use hands. The employee is frequently required to stand and sit. The employee is occasionally required to walk; stoop, kneel, crouch, or crawl and talk or hear.