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**Job Title:** Electronics/Electrical Engineer - Power Electronics

**Department:** Technical

**Reports to:** Chief Technology Officer

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AgileSwitch, LLC develops transformative technology that dramatically improves the performance and efficiency of electric vehicle and renewable energy applications. Our gate drivers for SiC and IGBT switches are used in a variety of applications including electric vehicles, solar inverters, wind turbines, energy storage, motor drives, energy storage, traction and other high reliability markets.

This opportunity is for an experienced Electronics Engineer with a thorough and detailed understanding of a wide variety of electronics systems and issues. The primary objective of the position is to support company product development and application engineering efforts in new and sustaining product engineering. The candidate should be comfortable solving challenges both in the lab and directly with customers.

### **General Purpose of Job**

Engineering design, implementation and support of Company's gate drive boards and power stack electronics for SiC, IGBT and other medium to higher power switching devices.

### **Essential Roles and Responsibilities**

- Participate in the design, development, testing, qualification and implementation of power control systems, ideally for traction applications
- Support customer design-in, characterization and qualification of the AgileSwitch products
- Hardware/ PCB design: schematic capture, characterization and testing, and validation
- Perform other responsibilities as required by the entrepreneurial nature of the organization

### **Education and/or Experience Required**

- Track record of PCB and Analog circuit design for traction electronic devices
- Experience with simulation tools (e.g. SPICE, Microsim), processor controls (e.g. Atmel, Microchip)
- Experience in testing, hardware debug and problem solving
- BSEE or above, or equivalent, with 5+ years minimum work experience in developing high-volume products

### **Ideal Optional Experiences and Interests**

- Team leader with management skills and experience delivering world-class products
- Analog or audio electronics expertise
- Understanding of IGBT or SiC based Power Switching and Control systems, Converter Stacks, Three Phase and Quadrature Motor Control systems or strong desire to learn
- Power Electronics and high-power AC/DC/AC converters a plus
- Familiarity with High Voltage systems and confidence to work with such systems a plus
- Traction experience a plus

### **Job Location**

- Philadelphia, PA area. Position will require limited domestic and international travel to customers, vendors, conferences, etc.

### **Position Type**

Full-Time/Regular/Exempt

### **Benefits**

AgileSwitch offers a competitive salary and benefits including but not limited to; health, dental, vision, life and Long-Term Disability, 401k. AgileSwitch is an Equal Opportunity Employer.

Please send a resume and cover letter to: Howard Sukonick (hsukonick@AgileSwitch.com)