

<b>Reports To:</b> Hardware Engineering Manger	<b>FLSA Status:</b> Exempt	<b>Page 1 of 1</b>
<b>Title:</b> Senior Hardware Design Engineer	<b>Department:</b> Engineering	<b>Date:</b> October 2020

### **Position Summary:**

The Senior Hardware Design Engineer is responsible for supporting the board-level design of new products at BMS. Reporting to the Hardware Engineering Manager, this position will work closely with senior engineers in software, digital, RF, and test to ensure the design of a high-quality product designed for manufacturability, longevity, and performance. A successful candidate will be experienced, enthusiastic, ready to take on new challenges, and have excellent attention to detail. Products include systems with an emphasis on video compression, decompression, microprocessors and wireless communications.

### **Essential Functions/Major Responsibilities:**

1. Complete a major system level design with minimal oversight
2. Identify components and sub-systems to implement design
3. Enter design schematics using Altium Designer.
4. Oversee PCB design process in Altium Designer.
5. Debug and test prototype designs.
6. Manage project, or provide input to project plans and keep project on schedule.
7. Participate in all phases of hardware development for the life cycle for the project.
8. Prepare and maintain documentation.
9. Lead junior engineers as needed.
10. Assist in other duties as required.

### **Qualifications:**

**Education/Training:** Bachelor's degree in Electrical Engineering (BSEE) required

**Experience:** Minimum of 8 years of experience or equivalent advanced degree.

### **Skills/Technical Requirements:**

- Advanced knowledge of the theories, principles, practices and techniques of Electrical Engineering.
- Advanced knowledge of digital logic and microprocessor design.
- Proficient knowledge of analog design and RF an advantage.
- Advanced knowledge of the operation of laboratory test equipment.
- Proficient knowledge of PCB manufacturing techniques.
- Working knowledge of digital video
- Strong ability to communicate both verbally and in writing.
- Excellent analytical and problem solving skills.
- Proven design skills with ability to manage design process.



## Position Description

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### **Job Conditions/Physical Demands:**

Prolonged periods of sitting at the computer terminal; works in Manufacturing/Lab environment with constant or intermittent noise. Some travel may be required. Walking, sitting, standing, and bending.

### **Protective Devices Required:**

In required areas.

This job description is not intended to be an all-inclusive list of duties and standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as assigned by their supervisor.

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.



## Position Description

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