



## **Magnetic Design Manager**

MEMSIC, Inc. is a rapidly growing semiconductor company with a proprietary solution in MEMS technology which integrates leading edge sensor technology with mixed signal processing circuitry onto a reliable, high quality, single chip using a standard CMOS IC process. The Company's technology is ideally suited for a broad range of high-volume consumer electronics, biomedical, aerospace and automotive applications.

MEMSIC, in continuing our long tradition of technology leadership and innovation, is looking for ambitious, bright, and innovative Magnetic Design Manager. Must have a minimum of 5 years experience in magnetic technology, including magnetic sensor design, calculation, simulation, characterization, process development; Real world experience with high volume production is a plus. This position provides high potential career growth with opportunity to work with international teams on both development and manufacturing.

### **Responsibilities:**

- Will lead a cross-functional team to develop next generation magnetic sensors for both consumer and industry applications.
- Responsible for Magnetic Sensor design and simulation.
- Process development and optimization with external and internal teams.
- Packaging design and development with packaging design team and 3<sup>rd</sup> party packaging house.
- Working with ASIC design team to define and optimize system performance.
- Working with manufacturing team to improve product reliability.
- Discuss and clearly communicate project status to project team members and to senior management.
- Maintain product schedule and budget according with the guidelines of the project.
- Adhere to all appropriate regulatory requirements.
- Present at industry events, web seminars and other forums.

### **Requirements:**

- The position requires a BSEE. A MSEE preferred
- Minimum 5 years experience with Magnetic Sensor design
- Sensor design experience in current sensor, position sensor and angle sensor is highly desirable.
- Experience in one or more of the following magnetic sensors: Hall, AMR, GMR, MT J/T MR, Fluxgate.
- Experience in a high volume manufacturing environment desirable.
- Strong capacity to multitask, ensuring efficient execution of all initiatives with attention to detail.

- Must have strong communication, interpersonal and organizational skills.
- Knowledge of ANSYS desirable
- Travel approximately 10%, both international (Asia) and domestic.

Our culture of innovation rewards passion, brainpower, and risk taking with industry-leading company stock options, benefits and competitive salary, which provide a fantastic opportunity for career growth and earning potential.