

GE Sensing Job Description

TITLE: MEMS Package Design Engineer

Essential Functions (Responsibilities)

- Develop and release advanced MEMS package designs and materials from prototype to production.
- Develop thermal and mechanical models
- Conduct design and product reviews.
- Interface with customer to identify new applications and propose packaging technology leading to increased revenue and reduced product introduction costs.
- Develop, qualify and Interact with packaging and assembly vendors on development programs.
- Document new design, process and testing following GE Sensing's project development procedure
- Manage prototype builds through the development phase of programs on time and on budget.
- Generate PFMEA, DFMEA, drawings, materials MSDS, compliance and qualification documentation
- Lead package related Failure Analysis of both development MEMS devices and existing products.
- Conduct periodic benchmarking of designs, materials and processes.

Qualifications / Requirements

- MS (PhD preferred) in Mechanical Engineering, Materials Science or related fields.
- 5+ years experience with MEMS packaging development in automotive and/or medical applications.
- Demonstrated success with MEMS pressure sensors packages preferred.
- Proven ability to design plastic, metal and ceramic type packages.
- Practical "hands-on" experience with MEMS devices.
- Knowledge of design for manufacturing and design for reliability techniques
- Thorough working knowledge of FEA and CAD software design tools
- Ability to perform MEMS device and characterization testing activities
- Familiar with and able to coordinate activities related to new product introduction methodologies (i.e. design, fabrication, qualification, production release and manufacturing support)
- Track record in patents, technical publications, and membership in technical organizations
- Proficiency in Microsoft Office applications (Word, Excel, PowerPoint, Project).
- For consideration please submit your candidacy online.
 - * You must be 18 years or older.
 - * You must be willing to take a drug test as part of the selection process.
 - * You must be willing to submit to a background investigation as part of the selection process.
 - * You must have unrestricted authorization to work in the United States.
 - * You must be willing to work out of an office located in Fremont, CA.
 - * If currently a GE employee, you must have been in your current position for at least 12 months and have at least a satisfactory performance rating (e.g. Highly Valued)

Required personal values

- Self-starting and motivated with positive attitude.
- Dynamic, creative and problem solver
- Strong verbal and written communication skills
- Outstanding team player - demonstrated ability to work in a cross-functional team and drive results.

Desired

- Six Sigma Quality experience and certification
- Experience working with new product introduction and project management.
- Experience with high volume manufacturing and assembly techniques.

Please contact Ana Cheng at ana.cheng@ge.com for information