



Emerging Memories Principal Product Engineer

Job description

Come join our team and lead our Emerging / Specialty Memory Product Engineering organization specifically in areas of product development (Characterization, reliability qualification, production ramp) and ongoing continuous improvement efforts

In your new role you will:

- Lead our Emerging / Specialty Memory Product Engineering organization specifically in areas of product development (**Characterization, reliability qualification, production ramp**) and ongoing continuous improvement efforts.
- Provide technical leadership to ensure the development of successful products utilizing advanced engineering tools, methods, and technology for addressing industrial, medical, and automotive applications.
- Drive product development efficiencies for meeting critical product introduction timelines
- Ensure best in class cost structure through innovative and lean **test methodology, including DFM and DFT concepts.**
- Continual improvement of key performance indicators of **yield, test time, and 0 PPM outgoing quality.**
- Apply **Statistical Process Control (SPC)** and continuous improvement methodologies to ensure manufacturing processes remain both predictable and capable at the lowest possible operating cost. Improve the yield to meet technology cost targets.
- Strong interpersonal skills with capable leadership to manage and lead a senior cross-functional technical team world-wide.
- Demonstrate systematic, data driven problem solving.
- Work closely with peers in technology, design, packaging, reliability, and operations to ensure deployment of best practices and continual learning.

Profile

You are best equipped for this task if you have:

- B.S., M.S. in Electrical Engineering, Material Science, or Applied Physics, with Product and **Process experience non-volatile memory technologies, and semiconductor processing.**
- 10+ years of progressive experience in **Product Engineering, Process Development or related experience with a proven record of ramping manufacturing processes to high-volume capability.**

At a glance

Location:	Austin, TX (United States), San Jose, CA (United States)
Job ID:	313846
Start date:	as soon as possible
Entry level:	5+ years
Type:	Full time
Contract:	Permanent

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Job ID: **313846**
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- Expert knowledge of non-volatile memory process engineering and the interaction of process, design, materials, and reliability. Direct experience in one or more of the following module areas preferred: **Lithography, Thin Films, Etch, Plating and Planarization.**
- A disciplined use of statistical methods and tools such as JMP to establish robust product settings, analyze yield, and experimental design and analysis
- Experience in use of Statistical Process Control and Design of Experiments; quality and continuous improvement methodologies such as **Failure Mode and Effects Analysis (FMEA), Root-cause Corrective Action (RCCA), Lean Manufacturing, and 5Y's or 8D corrective actions.**
- Self-motivated, attention to detail, and good communication skills.

Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality.

[Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

Benefits

- **San Jose, CA:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

#LI-PB1

