



Principal Product Engineer: High Speed Interfaces

Job description

Infineon is searching for a high-speed memory interface expert to help drive and develop future generations of LPDDRx discrete Flash memories. This leader will have a high visibility role in future industry-leading non-volatile memory product development, from early concept through production. Enabling high-speed interfaces will be a key differentiator for addressing challenges of embedded Flash scaling with microcontroller technology nodes for fueling continued growth of Flash Solutions over the next decade and beyond.

In your new role you will:

- Develop tools and methodologies for our Product Engineering organization specifically in areas of product development for high speed memory interfaces (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 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 **Test experience in high speed memory interfaces**

At a glance

Location:	San Jose, CA (United States), Austin, TX (United States)
Job ID:	347832
Start date:	Aug 22, 2022
Entry level:	5+ years
Type:	Full time
Contract:	Permanent

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Job ID: **347832**
www.infineon.com/jobs



- 10+ years of progressive experience in **Product Engineering** or related experience with a proven record of ramping **manufacturing** processes to high-volume capability
- Expert knowledge of **high-speed memory interfaces** particularly LPDDR4 for Characterization and Test Coverage enabling best-in-class efficiency and outgoing quality
- Experience in working with design for LPDDR4 DFT/DFM definition, development, qualification and taking it to high volume manufacturing is a must
- 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.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

Infineon Technologies Memory Solutions is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should contact the Talent Network by phone at (408) 503-2194.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and



successful completion of a background check and drug test, and signing all your on-boarding documents .

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

IMPORTANT NOTICE:

Infineon is requiring all new U.S. employees and contractors to be fully vaccinated against COVID-19. Full vaccination is defined as two weeks after both doses of a two-dose vaccine or two weeks since a single-dose vaccine has been administered. Anyone unable to be vaccinated, either because of a sincerely held religious belief or a medical condition or disability that prevents them from being vaccinated, can request a reasonable accommodation.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

#LI-PB1

