Principal Product Engineer

Job description

We are looking for an experienced innovator and hardworking Principal Level Engineer to join our team! Someone that can work in a fast pace environment and is able to thrive on new challenges.

In your new role you will:

- Drive yield improvements through data analysis of test results, and collaborative debug with Test, Design, and Fab engineers
- Characterize and debug of new silicon designs and process technologies
- Optimize of test flows/methodologies for improved quality and cost
- Coordinate new product development from initial design phase to full production release
- Perform new product validation, data analysis, yield enhancement, product cost reduction and device qualification
- Develop reliability and characterization plans and execute on new products
- Validate production test systems and programs
- Perform lab evaluation of electronic components and systems
- Participate in cross functional product development teams to successfully execute to plan, maintain schedules, manage risks, lead problem solving sessions, report status in management reviews, and interface with other engineering disciplines and various levels of management
- Perform evaluation, debug and characterization of integrated circuits to ensure they meet the product requirement specifications and manufacturing requirements
- Work with failure analysis (FA) to determine root cause of any reliability and qualification failures to improve quality and yield
- Work with process and package technology development to develop and qualify technologies for new product development
- Work closely with the global manufacturing facilities to address customer specific product quality, yield management and cost reductions issues on mature products. Scope of work could include product spins and derivatives

Profile

You are best equipped for this task if you have:

- BSEE/MSEE in Electrical Engineering (or equivalent)
- 10+ years of relevant experience.

At a glance

Location:	**Colorado Springs, CO (United States)**
Job ID:	**315926**
Start date:	**as soon as possible**
Entry level:	**5+ years**
Type:	**Full time**
Contract:	**Permanent**

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Job ID: 315926
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- Demonstrated ability to take new product designs into production
- Experience writing/executing test/characterization plans to assess product reliability and evaluate the ability of product to meet performance standards and specifications
- Experience with ATEs (preferably NEXTEST MagnumI/II), including interface to Handlers and Probers
- Ability to perform debug on new product designs and customer returns, using ATE or bench characterization equipment
- Must possess strong Data analysis skills, experience with tools: Excel, Tibco Spotfire
- Semiconductor device physics knowledge
- Non-volatile memory architecture knowledge
- IC fabrication process knowledge

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.

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.

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.

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