



Senior Level Test Development Engineer

Job description

You have a strong understanding of electronic engineering principles with experience developing production test solutions for mixed-signal ICs, ideally using automated test equipment (ATE). You are a strong team player that successfully collaborates with design and concept/product engineering teams to ensure that design for testability and manufacturability is understood by all. In this role you will develop wafer probe, final test production and product characterization test solutions for Infineon's leading edge digital power management new products. We will also look forward to your insights in reducing the costs and improving the quality of existing test solutions!

In your new role you will:

- **Develop wafer probe, final test production and product characterization test solutions** for Infineon's leading edge **power management** new products
- Document test requirements, **create test plans** and develop test methods
- Work with design and concept development engineers to incorporate **design for test (DFT)** features into new products to **ensure quality** at low cost of test
- Design and **develop test hardware** using **Cadence Allegro tools**, using pre-existing libraries for printed circuit board (**PCB**) templates and component symbols
- **Create test programs**, integrate with test equipment and hardware, debug, validate, document and release per corporate standards and procedures
- **Reduce the cost and improve the quality of existing test solutions** through test method improvements and test platform transfers

Profile

You are a positive team player with excellent communication and problem solving skills. Your strong attention to detail and quality will be key towards being successful in this role.

You are best equipped for this task if you have:

- **Bachelor or Master of Science degree in Electrical, Electronics** or Computer Engineering
- Experience developing production test solutions for **power management** and **mixed signal ICs** using automated test equipment (ATE) such as **Teradyne ETS-364 or ETS-800**
- Strong understanding of electronic engineering principles in areas including **analog and digital circuits, power devices**, and high speed signal integrity
- Experience designing **PCBs** using schematic capture tools such as **Cadence Allegro**

At a glance

Location: **Morrisville, NC (United States)**
Job ID: **361497**
Start date: **Aug 29, 2022**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **361497**
www.infineon.com/jobs



- Sound test programming skills and experience **programming in C / C++ and VBasic**
- Knowledge in **design for testability and manufacturability**, and able to articulate constructively with the design teams and product engineering teams to ensure that design for test is understood by all involved and specified and validated at early stages of development
- Hands on experience making **bench electrical measurements** using signal generators, oscilloscopes and spectrum analyzers

Infineon **Power & Sensor Systems (PSS)** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world.

Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

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

Benefits

- **Morrisville, NC:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Health Benefits; Health promotion programs; 401K; Performance bonus; Accessibility, access for wheelchairs

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 Americas Corp. 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 onboarding 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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