



Test Development Engineer - Advanced Power Management ICs

Job description

Do you enjoy the challenge of working in a leading-edge technology environment? Are you innovative and thrive in people interaction? Infineon Americas is looking for engineers with a passion for developing Test Development characterization and production ATE solutions using their knowledge at the cutting edge of H/W and S/W capability. In this role, you will utilize your experience to develop wafer probe and final test production and product characterization test solutions for Infineon's leading edge digital power management new products.

Our **Integrated Circuit (IC) design team** develops **Power Management** products for **Hyperscale server farms, high-end computing, telecom and datacom, automotive, and emerging AI platforms**. We also develop products for the rapidly expanding **Audio IC** applications space. We have design centers on both the east coast (Andover, MA & Warwick, RI) and west coast (El Segundo, CA), and we continue to grow this team to meet increasing market opportunities. If you are a **team player** with talent, **good communication skills**, a “**can-do**” **attitude**, and want to be part of a team where that is the secret sauce for success, then you would be a great fit for our organization, and we encourage you to apply.

As part of this **IC design team**, we are **looking for engineers** with a passion for **developing Test Development characterization and production ATE solutions** using their knowledge at the cutting edge of **H/W and S/W capability**.

We are open to hiring at all levels of experience and have a large enough team to efficiently integrate talented engineers and shape the position as needed.

Looking forward to meeting you soon!
Infineon Americas Design Team

In your new role you will:

- **Develop wafer probe** and **final test** production and product characterization test solutions for Infineon's leading edge **digital 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

At a glance

Location:

Job ID: **55167**

Start date: **as soon as possible**

Entry level: **5+ years**

Type: **Full time**

Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **55167**
www.infineon.com/jobs



- Reduce the cost and improve the quality of existing test solutions through **test method improvements** and test platform transfers

Profile

You are best equipped for this task if you have:

- Bachelor or Master of Science degree in **Electrical, Electronics or Computer Engineering**, or similar discipline
- Experience developing production test solutions for **mixed signal ICs** using **automated test equipment (ATE)**.
- 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**
- Sound test-programming skills and experience programming in **C / C++, Vbasic, LabVIEW** and **script languages**
- Knowledge in design for testability and manufacturability, and ability to articulate constructively with the design teams and product engineering teams to insure 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, including bench test automation
- Knowledge in digital and analog IC design and verification a plus
- Demonstrated skills in problem solving, communications and teamwork

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.

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 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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