



Digital Design Engineer - Verification & Validation

Job description

You have at least 5 years experience in digital and ASIC design verification ideally in the power management industry. This includes developing test plan, test bench, test cases as well possess automation and scripting skills. In this role, you will collaborate with design and verification teams in multiple locations to include supporting applications and ATE teams with pre-silicon and post-silicon validation.

In your new role you will:

- Collaborate with design and verification teams in multiple locations
- **Create detailed test plans** based on functional requirements
- Develop and **debug high-quality test cases** and analyze their effectiveness
- Maintain and **track regression suites**, progress and results
- Develop and **enhance test benches** and test bench components
- Support applications and ATE teams with **pre-silicon and post-silicon validation**

Profile

You are detail-oriented with good focus and enjoy teaming with others in a large, global organization.

You are best equipped for this task if you have:

- **MSEE or BSEE with 5 years experience in digital ASIC/FPGA design verification**
- General knowledge of **ASIC design process, digital design, verification tools** and techniques
- Design verification experience (developing **test plan, test bench, test cases, assertions**, functional & code coverage, **debugging tests** and designs)
- Familiarity with design, verification and assertion languages
- Scripting and automation skills: **Unix/Linux shell programming, Perl, Python**, etc.
- Experience with industry standard tools and methodologies
- Experience with embedded processors and firmware development a plus
- Experience in **power management industry** a plus

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

At a glance

Location: **Andover, MA (United States)**
Job ID: **334133**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **334133**
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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 –

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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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