



Principal Engineer

Job description

You will own Automated Test Equipment (ATE) solutions and hardware, including product characterization and production test at wafer and package level for SoC and RF /IoT products

In your new role you will:

- **Develop and debug** characterization and production test programs for digital /Mixed-signal/Power/Radio-Frequency blocks. •Requires a solid understanding of process/design/test integration, including thorough circuit, ATE, and Design-for-Test (DFT) knowledge as well as Design of Experiments (DOE) and Statistical Process Control (SPC)
- **Resolve customer application problems** and manage customer returns and RMA process and drive timely closure of customer issues
- **Create multiple new design test programs** and make significant manufacturing improvements in existing products
- Be responsible for **completing the product performance and datasheet compliance matrix** through all rounds of design optimization and customer product sampling
- **Provide test engineering expertise** and troubleshooting support to both internal and external customers
- Drive **device and package qualification** for new product development and production transfer
- Participate in **first silicon debug, yield and test time improvement**, working closely with test and design engineers to release product test programs to full production
- Cross-functionally **collaborate with project team members** across development sites and product roles of IP design, applications, DFT, product engineering, and test engineering

#LI-MH1

Profile

You are best equipped for this task if you have:

- **10+ years of experience** in ATE test solution development
- **BS/MS Electronic/Electrical engineering**, Computer science
- Experience in **digital, analog and RF** product test development
- Experience in **Visual Basic for Test, Java, C++, R**, and various scripting languages

At a glance

Location: **Lynnwood, WA (United States)**
Job ID: **349247**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **349247**
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- Experience in **SoC test solution** implementation
- Experience in developing production and characterization programs using **Teradyne uFlex and Advantest 93K SmartScale testers**
- Knowledge of advanced testing techniques, including utilization of **Arm CPU** for internal test, adaptive test, autocorrelation, and “Standard Test Data Format” STDF structure and data analysis
- Knowledge of **Teradyne IGXL version 10+ and Advantest SmarTest8** preferred

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.

Cypress Semiconductor Corporation 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.

