

Driving decarbonization and digitalization. Together.



Graduate - Test Engineer

Job description

This opening is part of Infineon's Graduate Program. The Graduate Program gives you the opportunity to gain enriching and diverse experiences and work side by side with experienced leaders to power your career.

In your new role you will:

- **Develop** wafer probe, 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 a 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 best equipped for this task if you are/have:

- **Graduated within the last year** with a Bachelor or Master of Science degree in Electrical, Electronics or Computer Engineering
- Willing to learn **production test solutions** for **mixed-signal ICs** using automated test equipment (ATE) such as Teradyne ETS-364.
- An understanding of **electronic engineering principles** in areas including analog and digital circuits, power devices, and high-speed signal integrity
- Willing to learn how to design PCBs using **schematic capture tools** such as Cadence Allegro. Experience in other similar software tools is a plus.
- **Sound test programming skills** and experience **programming** in C/C++ and VB
- Knowledge in **design for testability and manufacturability**, and ability to articulate constructively with the design teams and product engineering teams to ensure that the design for the 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
- Demonstrated skills in problem-solving, communication, and **teamwork**

At a glance

Location:	Leominster, MA (United States)
Job ID:	HRC0414845
Start date:	Jan 05, 2025
Entry level:	0-1 year
Type:	Full time
Contract:	Permanent

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Job ID: **HRC0414845**
www.infineon.com/jobs



- **US citizen or green card holder:** This internship requires access to documentation that is controlled by the export laws of the United States. Candidates are required to provide proof of either US citizenship, Permanent US residency, or classification as a protected individual as defined in 8USC 1324b(a) (3).

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. IR HiRel, part of Infineon PSS, is a leader in high-reliability, rad hard power management and RF solutions for space and other extreme environments.

Our leading-edge power devices make chargers, adapters, power sources 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

- **Leominster, MA:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation

Why Us

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant’s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

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IR HiRel Products Inc., 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.



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.

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.

#LI-FM1

