



## Staff Test Electrical Engineer

### Job description

You are an experienced test engineer in the semiconductor industry with strong knowledge of design for testability and manufacturability. This includes developing production test solutions for mixed signal ICs or modules using automated test equipment (ATE). If you also enjoy innovating test technologies and improving the quality of existing test solutions then we are looking forward to having you as a key member of our Test Engineering team within International Rectifier (an Infineon Company, Power & Sensor System (PSS) HiREL (High Reliability) division!

#### In your new role you will:

- Develop test solution for custom hybrids, module or IC's to product specifications
- Develop test programs for automatic test equipment on various test platforms, including Teradyne (ETS-364B) and or LabVIEW custom equipment racks
- Design test and burn-in boards, via Cadence schematics and printed circuit board layouts for fabrication
- Analyze test system data, debug and validate via Gauge Reliability and Repeatability; drive innovation for improvements
- Reduce test cost and improve the quality of existing test solutions through test method improvements and test platform transfers; support production and customer returns
- Document test concept and design for testing, evaluate tester resource capability, ensure test coverage, drive test method review with multiple functional teams

### Profile

#### You are best equipped for this task if you have:

- Bachelor of Science degree in Electrical, Electronics Engineering
- Minimum of 3 years of experience developing test solution via mixed signal (Eagle/Teradyne) and or rack and stack equipment (LabVIEW) for a production environment
- Understanding of Power Semiconductor products, MoSFET, DC-DC converters, Hybrid modules
- Sound test programming skills and experience programming in, C /C++ script languages and with LabVIEW
- Knowledge: mixed signal tester architecture (ETS-364) and resources power equipment controlled via LabVIEW software, strong test development and debug skills on Eagle ETS platform and or LabVIEW

### At a glance

Location:

Job ID: **336582**

Start date: **Sep 05, 2022**

Entry level: **5+ years**

Type: **Full time**

Contract: **Permanent**

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Job ID: **336582**

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- Experience designing PCBs using schematic capture tools such as OrCAD/Cadence Allegro
- Experience with software; C/C++, LabVIEW, HTML, JUMP, Solidworks, AutoCAD, Excel
- Hands on experience making bench electrical fixtures and measurements, with Keithley Source meters, signal generators, oscilloscopes and spectrum analyzers
- Mil-std-38534, Mil-std-38535 and Mil-prf-19500 and JEDEC standards, such as JESD89 knowledge helpful
- Knowledge of radiation testing solutions for satellite for satellite applications 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. 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

**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.

*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. 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.

#LI-PB1

