



Principal Analog Design Engineer

Job description

Do you have a strong understanding of design tools and techniques and related experience in DC/DC converter technology? Join our Infineon IR HiRel team and support new product development and insertion of DC/DC products from conceptual design to product release while working in an exciting cross-functional and fast-paced environment!

In your new role you will:

- Support **new product development** and insertion of **DC/DC products** from **conceptual design to product release**
- Work in a cross-functional, fast-paced environment to **create new platform product lines**
- **Collaborate** with Design, Test, Component, and Materials & Process Engineering to **understand product design, functionality, reliability, manufacturability, and testability**
- Corroborate with Program Management, Planning, Procurement, and Manufacturing to **ensure timely delivery of products to customers**
- **Drive failure analysis** of any product manufacturing or test issues
- Provide guidance, investigate and **troubleshoot technical issues**
- **Create and maintain design and manufacturing documentation** for released products
- **Perform and drive qualification activities** including, first article, vibration, EMI and/or radiation testing
- Create, maintain, and update design analyses including, WCA, stress, thermal

Profile

You are best equipped for this task if you have:

- BS in Electrical Engineering, MS or PhD preferred
- 5 to 7 years of related experience in **DC/DC converter technology**
- Strong understanding of **design tools and techniques**
- Understanding of manufacturing and testing philosophies and processes
- Clear understanding of **NPI/NPD** and its relationship to product quality, cost, and time to market
- Clear understanding of **Failure Analysis and troubleshooting methods and processes**
- Knowledge of Hybrid product technology and processes

At a glance

Location: **San Jose, CA (United States)**
Job ID: **350007**
Start date: **Aug 15, 2022**
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: **350007**
www.infineon.com/jobs



- Knowledge of **CADENCE Based Tools** (ORCAD, Allegro, P-Spice, SiP, etc)
- Knowledge with thick film technology and processes
- Knowledge and working experience with MIL-PRF-38534 and other MIL standards

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

- **San Jose, CA:** 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.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

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.

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