Driving decarbonization and digitalization. Together.

Principle Product Application Engineer - HV GaN

Job description

Our WW PAE team in the High Voltage GaN Product Line is currently seeking Senior to Principal Levels Application Engineers with Power Electronics and Power Semiconductors experience to join our dynamic and experienced team with technical knowledge to the next level in our mission of excellence. If interested apply today!

In your new role you will:

- Contributing to **major product cross-functional teams for both product development and customer support**
- Prototyping and producing requirements definitions for new applications and solutions
- Producing content in **support of new GaN and controller/ gate drivers products**, including
    - New product definition/ validation
    - **Hardware & System-level designs/ reviews including schematic, layout** and component selection for demo boards/ EVBs/ reference designs/ customer requests
    - Deep **a nalysis on products and find the value propositions**
    - Technical documentation and promoting materials such as datasheets, technical reference manuals, application notes and knowledge base articles
    - Technical training for **external customers and Infineon Sales, Marketing and Applications**
- Enabling customer design-in of products and solutions through architectural collaboration, technical support, training and failure analysis

Profile

You are best equipped for this task if you have:

- Bachelor's degree above in Electrical Engineering or an equivalent field, experience on **Charger/ Adapters, SMPS, AC/DC, Solar, ESS, inverter, Motor Drivers is preferred**
- Extensive **knowledge of AC/DC and high voltage DC/DC system level designs** with experience in testing, tuning, debugging and device selection
- Strong understanding of one of the following category:

At a glance

Location:	**San Jose, CA (United States)**
Job ID:	**HRC0752197**
Start date:	**as soon as possible**
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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: HRC0752197
www.infineon.com/jobs

- Strong understanding of **switching power supplies (SMPS) and power supply** topologies like **PFC, LLC, hybrid flyback, active-clamp flyback, QR flyback, etc**
- Strong understanding of **Motor driver, Inverters**
- Strong understanding of S **olar, Energy Storage, and Industrial Power Applications**

- Problem solver, and happy to help on customer's technical requirements
- Be familiar with software tools such as **Altium Designers, Mathcad/ Matlab, PLECS, Simplis/Simetrix, Labview**
- Familiar with digital control with **FPGA or MCU/ DSP will be a plus**
- Understanding the switching power component **MOSFET, IGBT etc. GaN and SiC MOSFET experience is a plus**
- Teamwork, self-discipline/ motivated/ innovative and aggressive
- Good verbal and written communication skills

– Power & Sensor Systems (PSS) drives leading-edge power management, sensing, and data transfer capabilities –

The **PSS division** powers decarbonization and digitalization with a wide range of energy-efficient and digital solutions. PSS semiconductors help avoid carbon emissions, use resources sustainably, manage power effectively and intelligently, give 'things' smart senses, and process data quickly and reliably. The portfolio includes power, connectivity, RF, and sensor system technologies to develop smaller, lighter, smarter, and more efficient solutions for consumer devices, smart home/building applications, robotics, computing and data centers, charging devices, power tools, and much more.

The next generation of silicon and wide-bandgap (SiC and GaN) solutions provides unparalleled performance and reliability for 5G, big data, and renewable energy applications. These materials are paving the way for further energy and carbon savings. Highly precise XENSIV sensor solutions are enabling IoT devices to react intuitively to their surroundings for seamless user interactions while audio amplifiers bring exceptional sound experiences to smart speakers and other audio use cases.

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

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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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.

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.

Wage Range that the Company Expects to pay for a qualified candidate:

Minimum of $166,560.00 Salary per year
Maximum of $229,020.00 Salary per year

In addition, all employees will be eligible to participate in an incentive plan.

#LI-PB1