



## Product Applications Engineer - DCDC Power Management

### Job description

You have good knowledge of Enterprise Power products including digital multi-phase controllers, integrated power stages and point-of-load (POL) converters. Your experience includes supporting customer design-in activities, providing technical support and field failure analysis. In this customer application support role you will validate new products, maintain performance data, design and test new product evaluation/demonstration boards, and support go-to-market activities. As a member of Infineon's Enterprise Power (EP) business unit, the products you will focus on are for the computing, gaming, high performance server, datacenter, networking and telecommunication markets.

***\*Opportunities can be based at any of Infineon's EP office locations including El Segundo CA, Milpitas, CA, Andover MA, and Warwick RI***

You will be part of Infineon's Enterprise Power (EP) business unit, contributing to the Applications Engineering (AE) team located in one of Infineon's EP locations. We focus on the development of power management products including digital multiphase controller ICs, high performance integrated power stages, integrated Point-of-Load (POL) modules, and Power Modules for the computing, gaming, high performance server, datacenter, networking and telecommunication markets.

#### In your new role you will:

- Provide **customer application support** for **Enterprise Power products** including digital multi-phase controllers, integrated power stages and point-of-load (POL) converters, in **server, storage, networking and telecom applications**
- **Validate** new **digital controller, power stage and POL products**. Provide and maintain **power stage performance data** for customer applications
- **Design and test** new product evaluation and demonstration boards
- Create **go-to-market evaluation boards**, reference design schematics, application notes and design tools for new products
- Support **customer design-in activities** including schematic & layout reviews, board bring up, system-level validation and debug of technical problems
- **Provide technical support** on digital controller, power stage and POL related questions and field failure analysis
- Travel approximately 10% of the time to provide on-site customer support.

### At a glance

Location: **Andover, MA (United States)**  
Job ID: **61906**  
Start date: **as soon as possible**  
Entry level: **3-5 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: **61906**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Profile



You are highly motivated, energetic and enthusiastic. You are extremely responsive, ready to jump on the most difficult design and/or customer issues instantly. Furthermore, you are good at developing relationships with internal and external engineering community.

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

- **BSEE (with 3+ years of working experience)**, MSEE or PhD in **Electrical Engineering**, preferred in **Power Electronics**
- Knowledge in **power conversion topologies, power devices, magnetic s and control loop designs**
- Hands-on experience in designing **DC/DC switching power supplies** and developing **power management products**
- Experience in using **digital controllers, power stages** and **point-of-loads (POL)** for **Voltage Regulator designs**
- Extensive **lab skills** in using digital oscilloscopes, function generators and network analyzers for the **test and debug** of switching power supplies
- Ability to connect instruments together **using Python to Automate testing** of designs
- Familiar with communication protocols such as (**I 2C, PMBUS, AVS bus, NPWM, SVID, SVI3**)
- Proficiency in using **schematic entry, circuit simulation, and PCB layout** tools
- Effectively multi-tasks, manage priorities and solve technical problems independently
- Good written and verbal communication skills, and work effectively in a team environment

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.

Our leading-edge power devices make chargers, adapters, power tools 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.

## 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.

*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. 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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