



Principal Engineer/Manager/Director, Applications Engineering - Power Supply

Job description

You are a hands-on engineer with at least 5+ years of managerial experience in Power Supply design preferably in Motor Drive, Telecom DCDC and Consumer Applications. Furthermore, you enjoy developing and leading teams to validate new products. In this role, you will lead the DCDC system application engineering team from product evaluation to (G2M) go-to-marketing activities. Your ability to focus on the technical innovation and quality delivery of product design-in, as well as effective collaboration with internal and external customer partnerships will be key towards Infineon meeting revenue goals!

The Principle Applications Engineer will lead the DCDC system application engineering team from product evaluation and (G2M) go-to-marketing activities. This position requires a focus on the technical innovation and quality delivery of product design-in collateral including demo boards, Eval boards and collaboration with internal and external customer partnerships to allow Infineon to meet revenue goals.

You will work with the IC definition, technical innovation, product definition, development, validation, and production release of controllers, drivers for Battery Power (power tools, garden tools, robotics – motor drive), Telecom/Server & Consumer Power Applications primarily with Si & GAN FETs. You will guide the team in the development process with the electrical lab testing and the documentation on the ICs. You will also be required to support customer design-in and engineering debug efforts on products using these controllers.

In your new role you will:

- Direct and **guide the activities of a technical application engineering team** that as a group are responsible for:
- **Product-to-system (P2S) validation** of Infineon developed **digital & analog controllers, drivers, load switches, efuses and power stages**
- Generation of **customer product collateral** (application notes, errata, demo boards and leading product training to FAEs, CAEs)
- Definition of product application **software requirements** and validation of software prior to customer release (**GUI, Controller Programming**)
- Manage the creation of **customer reference designs, customer demo boards and test reports**
- Customer interaction to support and achieve **controllers, drivers and power stage design-in**
- Customer interaction to **solve technical issues** that may arise in the design-in and /or production of customer products using controller and power stages. May include managing the **Failure Analysis** of customer returned parts

At a glance

Location: **El Segundo, CA (United States)**
Job ID: **339282**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **339282**
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- Provide technical inputs to customer proposals (**RFIs/RFQs**)
- Select, develop, and **evaluate personnel** to ensure the efficient operation of the Application Engineering group
- Contribute to digital & analog controllers, and power stages **product feature definition**
- Occasionally travel (Approximately 10% to 25% of the time) to provide onsite customer support

Profile

You are a strong leader that is highly motivated, energetic and enthusiastic about coaching, and mentoring skills to help develop a team. Having the ability to work under-pressure in a global and diverse team in different locations worldwide is a must.

You are best equipped for this task if you have:

- **BSEE or MSEE** preferred with hands-on experience in **high-frequency, high-current, high-density DC/DC designs** including extensive **lab skills** for the test and debug of **switch mode power supplies**
- **10+ years in engineering design** and/or **applications engineering** and customer support
- **5+ years of leading** world-wide application engineering teams.
- Able to collaborate with all functions in the organization from program management, to IC design, software (GUI) development, marketing, FAE's and sales to ensure companies success
- Extensive knowledge of **semiconductor design** and **application development** and **customer support**
- Technically sharp in **power supply control techniques**
- Are self-learning, self-disciplined, and a **good team player**
- Can effectively multi-task, manage priorities and solve technical problems independently.
- Are **good at developing relationships** with internal and external engineering community
- Are extremely responsive, ready to jump on the most difficult design and/or customer issues instantly
- Good prioritization, **multiple project management**, time driven results
- Good communication skills in both verbal and written English

Desired Skills:

- Experience in using digital & analog controllers and drivers for power management (**Si & GAN**)
- **Magnetics design**
- Experience in **DC/DC** power solutions
- Simplis simulation experience for **power supply simulation**

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 –

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Benefits

- **El Segundo, 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.

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 onboarding 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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