



Principal Engineer, Product Definition - Gate Driver and Controller ICs (El Segundo, CA)

Job description

Infineon Technologies Americas Corp. is seeking a Principal Engineer, Product Definition - Gate Driver and Controller ICs (El Segundo, CA) to define gate drivers including smart features, electrical, packaging and thermal aspects for LV (Low-Voltage) motor drive applications.

[Principal Engineer, Product Definition - Gate Driver and Controller ICs \(El Segundo, CA\)](#)

Infineon Technologies Americas Corp. is seeking a Principal Engineer, Product Definition - Gate Driver and Controller ICs (El Segundo, CA) to define gate drivers including smart features, electrical, packaging and thermal aspects for LV (Low-Voltage) motor drive applications. Work with concept engineering team to create in detail gate driver, current sensing amplifier, and power supplies required to fulfill stakeholder requirements. Be responsible for product datasheet generation and lead application discussions with design and concept teams during product development. Design evaluation board / system reference board schematics and PCB for new product test and validation. Test and validate new products in actual target application/system (battery powered motor drives like power tools, robots or light electric vehicles) with microcontroller and gate driver IC. Work with Safety and EMI standards and understand implications in product requirements. Conduct performance studies both electrical and thermal. Perform competitive benchmarking at device and system levels. Interact with different functional disciplines within Infineon, such as marketing, FAEs, design, manufacturing, quality or test engineering teams. Participate in technical conferences and present technical papers locally and globally. Part-time local telecommuting permitted. 10% domestic and 10% international travel required.

Profile

JOB REQUIREMENTS :

Requires a Master of Science degree in Electrical Engineering or a related field and 10 years of experience in motor drives or power electronics industry. Must have experience with: Motor control algorithms for BLDC / PMSM motor, gate driver, and low-voltage power MOSFETs and power systems; Microcontrollers (ARM Cortex) and programming software and firmware using C or C++ programming language; Analog and digital circuit design and electrical simulation (SPICE, SIMetrix, or MATLAB); and Schematics and PCB design, and optimized PCB layout for EMI/EMC. Infineon requires all new U.S. employees & contractors to be fully vaccinated against COVID-19. 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.

At a glance

Location: **El Segundo, CA (United States)**

Job ID: **75824**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **75824**

www.infineon.com/jobs



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.

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.

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.

