



Senior Level Analog Design Engineer

Job description

You have at least 10 years of IC design experience with a strong foundation in analog and mixed-signal design. Within this capacity, you have performed as a team lead and enjoy mentoring and guiding less experienced designers. As a key Analog Designer for Power Management ICs and MCMs within Infineon's Power & Sensor Systems (PSS) division, you will perform all aspects of design (from definition to production) while working closely with Concept Engineering, Applications, Marketing, and Project Managers. Come join our team of talented designers in our new Morrisville, NC location!

In your new role you will:

- Key **Analog Designer** for **Power Management ICs** and **MCMs**
- Work closely with Concept Engineering, Applications, Marketing, and Project Managers to define feature set, chip architecture, resourcing, schedule and cost
- **Mentor less experienced designers** in the art of **mixed-signal design**, highlighting good design practices
- Perform all aspects of **IC analog/mixed signal design** from definition to production. Potential areas of design include precision, **low-power analog & I/O blocks**, A/D & D/A converters, **PLLs**, as well as **higher voltage integrated drivers**, **switching FETs**, and sense and protection circuitry
- Complete schematic capture, circuit analysis and simulation
- Guide physical designers on critical aspects of the layout and **perform post layout parasitic extraction & circuit verification**
- Document and review critical aspects of the **design architecture**, implementation, and **testing**
- Perform **silicon bench evaluation** and guide technicians for full characterization
- Work cooperatively with test engineering to ensure testability and low PPM during production
- Oversee block level behavioral modeling for **chip top level verification**

Profile

You have exceptional interpersonal, time management and communication skills. You enjoy teaming with others within a large, global matrix organization.

You are best equipped for this task if you have:

- **MS or PhD in Electrical Engineering** or related field and minimum of **10 years of IC design experience**
- Strong foundation in **analog and mixed-signal design**

At a glance

Location: **Morrisville, NC (United States)**
Job ID: **351428**
Start date: **Aug 22, 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: **351428**
www.infineon.com/jobs



- Have experience as a **design team leader**
- Attention to detail during all aspects of architecture definition, circuit design, debug and documentation
- Design experience with **Power Management ICs** and **LDMOS/BCD** process technologies and **PDKs**
- Proficiency with the complete suite of **Cadence tools** for mixed signal design

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.

Benefits

- **Morrisville, NC:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Health Benefits; Health promotion programs; 401K; Performance bonus; Accessibility, access for wheelchairs

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 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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