



## Staff Circuit Design Engineer

### Job description

We are currently seeking talented Circuit Design Engineers who want to join a dynamic and experienced team and take their technical knowledge to the next level in our mission of excellence.

#### In your new role you will:

- Participate in design, integration & architecture development of 5G/10G **SERDES** circuits meeting performance, area, power and timescale constraints using state of the art EDA tools
- Excellent understanding of transistor level analog integrated circuits and device physics
- Design experience with analog modules such as ADC, DAC, comparators, amplifiers, bandgap reference etc.
- Participate in coordinating test and product engineering tasks for super speed products including support of test development
- Work with system and digital teams with product definition, chip integration, chip top level verification and system validation
- Support DFT strategy and implementation
- Silicon bring-up support of validation, production test and char teams
- Supervise layout for floor planning and final implementation

### Profile

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

- Minimum 5 years (BS) or 3 years (MS) of experience
- **Experience with 5G/10G- SERDES** used with USB, PCIE, SATA etc.- Design experience with analog modules such as PLL, high data rate transmitters, receivers and signal-conditioning/equalization etc.
- **Solid knowledge of EDA design tools** and Cadence design environment, **ADE-XL**
- Has been involved in at least one SERDES design project (> 5Gbps) that has gone into production
- Understand ESD/latch-up mechanism and be capable to debug the issue
- Strong written and verbal communication skills
- **Self-motivated** with the initiative to seek **constant improvements** in the **PHY design methodologies**

### At a glance

Location: **San Jose, CA (United States)**  
Job ID: **314170**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **314170**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



- The candidate must also possess strong initiative, analytical/problem solving skills, team working skills, ability to multitask and be able to work within a diverse team environment
- Experience in using **10Gbps test equipment** is a plus
- Data analysis (using **MATLAB / Excel / Python / Perl**) and lab testing experience is highly desired
- Knowledge of **USB/PCIE standards** is a plus.

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

- **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

**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.

*Cypress Semiconductor Corporation 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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