Lead Principal Engineer High Speed Interfaces for Automotive Microcontroller (f/m/div)*

Job description

Are you an experienced technical expert fascinated by the future of mobility? Then join our Automotive Microcontroller Product definition team to develop our new microcontroller products. As Lead Principal Engineer High Speed Interfaces for Automotive Microcontroller you will work on communication interfaces covering analog and digital aspects and drive future trends like zone controller enabling safe autonomous driving. Join us now, either at our location in Munich, Cork, Dublin or Villach, and become part of our automotive success story! With this position you will be entering our Technical Ladder: a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

As **Lead Engineer for High-Speed Interface Systems** (e.g. PCIe, Gigabit Ethernet, CSI-2 /D-PHY) and **all standard I/O interfaces** you will:

- **Drive these topics from product requirements until the hand-over** to the SoC design team in close collaboration with technical marketing, technology development as well as our system architecture and chip-package co-design team
- Give **technical guidance to senior management** for make or buy decisions
- **Define the post-silicon validation and characterization requirements** and necessary compliance tests
- Work with software teams for **defining critical patterns for robustness validation**
- Work closely together with Infineon representatives **of standardization committees** for upcoming automotive interface standards
- Provide **training and knowledge sharing**

As **Technical Lead Interface** to both internal and external IP providers you will:

- Be responsible for **all technical topics within IP development contracts for High-Speed interfaces**
- Actively look out and **harvest synergies between different IPs**
- Challenge requirements to achieve **best price-performance ratio**
- **Drive methodology for smooth integration of external IP into Infineon's Design System** as well as SoC integration
- Analyze **suppliers test concepts and integrate** them into overall SoC test strategy (e.g. analog test bus)

This position can be staffed either at our location in Munich (Germany), Cork (Ireland), Dublin (Ireland) or Villach (Austria).

At a glance

Location:	
Job ID:	**331823**
Start date:	**as soon as possible**
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: 331823
www.infineon.com/jobs

Contact

Jana Karger
Talent Attraction Manager

Profile

You are open to new challenges without knowing the right path to a solution in advance, whereby you accept responsibility and accountability for your decisions and drive active risk management? Furthermore, you continuously and proactively work on improving efficiency by observing trends and upcoming innovations? If you are in addition able to quickly establish a successful cooperation across boundaries and appreciate the contribution of your colleagues, then the role as Lead Principal Engineer might be the right fit for you!

You are best equipped for this task if you have:

- A degree in **Electrical Engineering**, **Computer Science**, **Physics** or a related technical field
- At least **8 years of relevant working experience** in area of **mixed signal design architectures** and **standard I/O interfaces** (single ended and differential); knowledge in ESD, Latch-Up, packaging and PCB concepts and requirements is a plus
- Good understanding of **Silicon foundry Process Design Kit (PDK) contents** and their **interaction with mixed-signal IP development**
- Good understanding regarding **methods of product validation and characterization**, especially for high speed signaling
- **Working experience in international and cross-functional technical teams** within a multi-cultural environment
- Basic knowledge about **safety standards and application,** e.g. ISO 26262
- Excellent **English** communication skills, German language skills would be a plus

Benefits

- **Dublin:** Coaching, mentoring networking possibilities ; Wide range of training offers & planning of career development; Different career paths: Technical Ladder, Management & Individual Contributor; Flexible working conditions; Medical coverage; Health promotion programs; On-site Kitchen available ; Company Sick Paid Leave Scheme; Company Pension Scheme ; Annual Success Bonus Scheme; Monthly Commuter Ticket fully expensed by Company ; Accessibility, access for wheelchairs
- **Munich:**
- **Villach:** 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; Home office options; Part-time work possible (also during parental leave); Sabbatical; Child care in Villach & Klagenfurt; On-site social counselling and works doctor; Health promotion programs; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement; Performance bonus; Accessibility, access for wheelchairs

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.

– **Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean,**

safe and smart cars –
Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon **ATV** is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.

Click here for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

Microcontroller
The Infineon business segment **MC** (Microcontroller) is strongly growing with latest TriCore Microcontroller generation AURIX, offering latest innovation in performance, connectivity, power consumption, safety and security. Furthermore, the key application segments are targeting segments with high innovation potential and highest market growth such as Advanced driver Assistant systems. As part of the automotive business unit the focus of MC is on the requirements of the automotive market from motor cycle to truck applications. # **AutomotiveMicrocontroller**

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*