



## Principal Engineer Product Definition Automotive Microcontroller Communication IPs (f/m/div)\*

### Job description

You enjoy technically working in product development and you like to actively shape the future of leading-edge product families? Then we have a great opportunity for you. As Principal Engineer Product Definition in our Automotive Microcontroller development you will work in the Central Infrastructure team to promote novel device architectures from translating customer requirements into functional specifications. You drive the realization throughout all development stages. With this position you will be entering our „technical ladder”: our career path for experts. You will focus on automotive communication aspects of microcontrollers – while further pursuing your career. As you continually expand your expert knowledge, puzzle over matters and solve problems, you will position yourself as a thought leader – thus helping our products to improve our world a bit more each day.

In your new role you will:

- **drive concept development and innovation** in the area of microcontroller communication IPs based on a profound understanding of microcontroller architectures and applications
- consider **functional safety** (ISO 26262), **cyber security** (ISO 21434) as well as production related aspects
- break down **stakeholder** and **product requirements** to hardware and software requirements and **define** implementable **solutions** fulfilling those requirements
- observe and analyze **third party IP provider** solutions and match existing offers with our requirements. Describe and explain gaps to find optimal solutions for all requirements
- own and create the **needed technical documentations** (like user manuals or data sheets) in line with our internal document creation process. You also ensure to provide material to allow your safety architect colleagues to deliver the various work products to guarantee the ISO26262 compliance
- **network cross-functionally** with cluster architects, system engineers, application engineers, functional safety experts, design, verification and validation teams within and beyond your business unit to **promote your state-of-the-art development strategy**
- perform **technical risk management** for microcontroller architecture and design across IP, subsystem and SoC hierarchies based on key knowledge of technical challenges and development constraints

This position is suitable for full- and part-time.

### Profile

### At a glance

Location: **Munich (Germany)**  
Job ID: **344214**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

**Florian Nops**  
Talent Attraction Manager



You are accustomed in working in large organizations at the interface between concept, architecture, design and implementation. Therefore, you set the direction in your field of expertise and value cooperation across boundaries. You take the initiative to overcome difficulties in the pursuit of your targets – you understand the importance to timely deliver.

You are best equipped for this task if you have:

- **A degree in Electrical Engineering**, Physics or a related technical field
- At least **6 years of relevant working experience in chip architecture, design or related fields**
- **Microcontroller knowledge** and **automotive application knowhow**
- Deep knowledge in **automotive communication protocols** like Ethernet, PCIe, CAN, SPI, SENT
- Experience in writing **User Manuals** and define **Datasheet** values
- Basic knowledge about **functional safety standards functional safety** and **cyber security standards**
- Working experience in **international** and **cross-functional technical teams** within a multi-cultural environment
- Fluent **English** language skills; **German** is a plus

## Benefits

- **Munich:** 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; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; 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.

**– Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –**

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality. [Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

**Automotive Microcontroller: We make cars clean, safe and smart**

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing,



real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

**#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.*

