



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

Job description

Are you a technical expert fascinated by the future of mobility? Then join our Automotive Microcontroller Architecture team to design microcontroller communication IPs for different automotive architectures and applications! As Product Definition Engineer Automotive Microcontroller Communication IPs you will drive concept development and innovation of our microcontrollers over device families, packages and applications by working with experts from various Infineon teams.

In your new role you will:

- **Drive concept development and innovation** in the area of microcontroller communication IPs based on a good 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
- Own and create the needed **technical documentations** (like user manuals or data sheets) in line with our internal document creation process
- **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
- Perform **technical risk management** for microcontroller architecture and design across IP, subsystem and SoC hierarchies based on knowledge of technical challenges and development constraints

Profile

As Product Definition Engineer 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. If you are able to quickly establish a successful cooperation across boundaries and appreciate the contribution of your colleagues, then you would be a great asset to our team!

You are best equipped for those tasks if you have:

- A **degree in Electrical Engineering, Physics** or a related technical field

At a glance

Location:

Job ID: **352001**

Start date: **as soon as possible**

Entry level: **1-3 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: **352001**
www.infineon.com/jobs

Contact

Sören Schmögner

Talent Attraction Manager



- At least **1-3 years relevant working experience in a similar position** within the semiconductor or automotive industry
- **Microcontroller knowledge** and automotive application know-how
- Good knowledge in **automotive communication protocols** like CAN, SPI, SENT, Ethernet, I2C
- Experience in **writing documentation** (User Manuals and define Datasheet values)
- Knowledge about **functional safety standards** and **cyber security standards** is a plus
- Desire to work in international and **cross-functional technical teams** within a multi-cultural environment
- **Fluent English skills** (written and spoken), German will be an added advantage

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.*

