



Principal Engineer Digital Design (f/m/div)*

Job description

You enjoy being innovative and you like to actively form the future for Video and Graphics subsystem development for our automotive products? You want to develop and realize the IP micro-architecture from high-level design requirements for the next-generation of Video & Graphics subsystems? Then join our Centre of Excellence for Video and Graphics subsystem development in Munich as Principal Engineer Digital Design! Sound interesting? Then apply now! 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. This position is actual limited for 2 years.

In your new role you will:

- **Develop the IP micro-architecture** from high-level design requirements
- **Write high quality RTL code in Verilog/SV for complex IPs** with no functional bugs, fulfilling safety, power, performance and area KPIs
- **Perform design quality checks** by synthesis, structural checks (e.g. lint, CDC, RDC, timing), design for testability, power analysis, etc.
- Be responsible for the **communication with the Software development and Applications Engineering teams**
- **Own and create design related documentation** to comply with relevant standards for safety (ISO 26262) and security (ISO 21434)
- **Collaborate with multi-disciplinary international teams** (Architects, Verification, Validation, Application, SW, SoC) to ensure the best solution for customers under competitive constraints
- **Be responsible for task planning, steering & tracking**, while continuously improving development methods

Profile

We are looking for someone with a passion for the future of mobility and the ambition to work in an international team. Your relationship building skills enable you to establish successful cooperation very quickly. Your role model and inspire others for your ideas and even complex issues you can explain in a clear and convincing manner. You listen actively to the internal customers, consider his point of view and learn from successes and mistakes.

You are best equipped for this task if you have:

- A **degree in Electrical Engineering, Computer Science, Microelectronics, Physics** or related field

At a glance

Location:

Job ID: **353487**

Start date: **as soon as possible**

Entry level: **5+ years**

Type: **Full time**

Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **353487**
www.infineon.com/jobs

Contact

Sören Schmögner

Talent Attraction Manager



- At least **6 years relevant work experience in Digital Design** and excellent knowledge about logic design techniques and tools, DfT and UPF knowledge is a plus
- **Strong understanding of IP frontend development** including design and verification, passion to apply your new ideas and learnings to improve continuously and innovate
- **Competence to technically lead a design project** with design task plan and collaboration in a team
- Familiarity with **Graphics/Video/DSP/Camera/Communication subsystem** is a big plus
- Basic Knowledge about **Safety standards** and application e.g. **ISO 26262** is a plus
- **Excellent English communication skills** – German would be beneficial

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.

** 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.*

