



## Lead Principal Design for Test Automotive (f/m/div)\*

### Job description

Would you like to take over the technical leadership for DFT in a multi-site organization and define DFT architectures for our new generation of automotive microcontroller products? Then come and join our highly motivated team. Make sure to apply now! With this position, you will enter our "Technical Ladder" career path. The Technical Ladder is 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.

In your new role you will:

- **Assess and close requirements with the architecture, RTL and product teams** to ensure DFT solutions are efficient and meet manufacturing requirements
- **Develop DFT solution for advanced automotive products** in leading edge manufacturing technologies
- **Align DFT implementation with the SOC platform and IP blocks** in order to deliver a cost-effective, high quality implementation
- **Partner with the test engineering team** to develop comprehensive and efficient manufacturing test programs
- **Develop DFT patterns**, using ATPG, which meet product test requirements for Scan Stuck-At, Transition Delay, Memory BIST and Logic BIST
- **Work closely with the physical design implementation team** to ensure power distribution, static timing analysis, clock distribution and other physical parameters meet specifications
- **Drive continuous improvements with the Quality team and Failure Analysis** to address any design gaps promptly
- **Participate in Silicon evaluation** to ensure test patterns are operational immediately after silicon arrives
- **Stay up-to-date on best design practices and industry trends** for DFT, which will help drive future improvements
- **Hold DFT workshops and reviews** with design and test teams
- **Actively drive alignment** on consistent **DFT approaches** and **adoption of best practices** across involved teams

### Profile

You strive for continuous improvement and feel responsible for and contribute to the team's success. You are able to quickly establish a successful cooperation and clarify areas of responsibility, coordinate your work with colleagues, and regularly share your insights with them. You have a clear notion of how innovation contributes to the commercial success of the company and concentrate your creativity and knowledge on

### At a glance

Location: **Munich (Germany)**  
Job ID: **342355**  
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: **342355**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Dagny Alexa Romeike**  
Talent Attraction Manager



producing results with real added value.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Microelectronics, Physics** or a similar field
- **Profound knowledge** about **semiconductor products**
- **At least 8 years of experience in DFT** of highly complex SoCs
- **Knowledge of DFT methods** for state-of-the-art MPU products
- **Experience with FinFET technologies and System-in-Package Design**
- Working knowledge of **test concept** or **DFT concept definition**
- Knowledge about **safety standards** (e.g. ISO 26262) is a plus
- **Very good English** language skills – with German being an added 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.**

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.*

