

Driving decarbonization and digitalization. Together.



Senior Staff Product Definition Engineer – Low Voltage Automotive GaN

Job description

Infineon Technologies is seeking a highly motivated, energetic and creative Systems Engineer with broad knowledge and experience to perform product definition and development on Gallium Nitride (GaN) Power Switches and Integrated Power Stage (IPS) for 100V low voltage (LV) automotive application. Candidates should be able to work individually as well as work with a diverse team under pressure to create competitive and innovative LV automotive GaN product. If interested apply today!

In your new role you will:

- Deep knowledge of various types of **switching mode power supply topologies and controls**
- Product experience with **LV automotive power supplies and 48V power conversion** systems, such as **bus converter and POL converter is highly desired**
- Extensive experience in GaN power switch, its driving circuit, and its value proposition in **LV power supply systems**
- Hands-on experience with **design, debug, and lab testing of power converters**
- Solid understanding of **magnetic component design for inductors and transformers**
- Basic understanding of **semiconductor product definition and development process**

Profile

You are best equipped for this task if you have:

- MSEE or Ph.D, preferred with working experience in **power supply or semiconductor industries**
- Experience in **semiconductor product definition and/or applications engineering, and customer support is highly desired**
- Experience in semiconductor **design, packaging and qualifications is a plus**
- Able to collaborate with cross-functional teams in the organization from program management to IC design, marketing, FAE's and sales to ensure companies success
- Can effectively **multi-task, manage priorities and solve technical problems independently**
- Self-motivated, self-learning, and a good team player
- Good communication skills in both verbal and written English

At a glance

Location:

Job ID: **HRC0669677**

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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0669677**
www.infineon.com/jobs



–Power & Sensor Systems (PSS) drives leading-edge power management, sensing, and data transfer capabilities –

The **PSS division** powers decarbonization and digitalization with a wide range of energy-efficient and digital solutions. PSS semiconductors help avoid carbon emissions, use resources sustainably, manage power effectively and intelligently, give ‘things’ smart senses, and process data quickly and reliably. The portfolio includes power, connectivity, RF, and sensor system technologies to develop smaller, lighter, smarter, and more efficient solutions for consumer devices, smart home/building applications, robotics, computing and data centers, charging devices, power tools, and much more.

The next generation of silicon and wide-bandgap (SiC and GaN) solutions provides unparalleled performance and reliability for 5G, big data, and renewable energy applications. These materials are paving the way for further energy and carbon savings. Highly precise XENSIV sensor solutions are enabling IoT devices to react intuitively to their surroundings for seamless user interactions while audio amplifiers bring exceptional sound experiences to smart speakers and other audio use cases.

[Click here](#) for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

Benefits

- **Dallas, TX:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation
- **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
- **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 220 spots, open until 5:30pm; 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; Possibility to work remotely from abroad (EU)

Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the



automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

#LI-PB1

