



Staff Product Engineer

Job description

- Responsible for Post Silicon Characterization of ARM based micro-controller Automotive SoC products, including IPs like ADC, DAC, GPIO, SPI, I2C, SMIF, MIPI, LVDS etc.
- Perform characterization to analyze device performance and compliance to datasheet specification.
- Conceptualize, design and implement hardware and automation software for characterization of Automotive SOCs.
- Work closely with chip design team to debug silicon issues.
- Demonstrate technical innovation in measurement automation on ATE (V93K preferable) and bench (LabVIEW) platforms.

Profile

- Minimum 5 years experience in post-silicon characterization of Analog and Mixed-Signal products.
- MTech/M.E/MS or B-Tech/B.E in any of the specializations related to the field of Electronics/Microelectronics/VLSI.
- Strong Electrical Circuits Fundamentals.
- Strong troubleshooting & problem solving ability.
- Good Firmware coding & scripting skill.
- Experience in using equipment like Oscilloscopes, Source Measure Units, Power Supplies, Functional Generators etc.
- Experience in automating characterization using an ATE or NI LabVIEW is a plus.

Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoothi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Mediclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

At a glance

Location: **Bangalore (India)**
Job ID: **350059**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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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.

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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.

please only use this sentence for professional positions

Automotive High Power: We Drive the Electrification of Cars

Our vision of the future is CO2-neutral and autonomous mobility, and that means electric cars. Infineon's role: our switches control the current from the battery to the consumers, whether a traction motor, a power steering system or an in-car USB charger. In fact, our products have a direct impact on the range, size, reliability and affordability of tomorrow's vehicles. Engineers at the Business Line Automotive High Power, which is part of the ATV division, draw on their deep customer understanding and system knowledge to create a winning portfolio. This approach has made the Business Line the market leader. Our people have the ambition to shape the future with innovation. We are a highly diverse and ambitious team striving to power society's move toward fully electric, CO2-neutral, autonomous mobility.

#PowerForElectromobility

Quality Management

Infineon's Quality Management department acts proactively to satisfy the needs of our customers to increase their success and to ensure 'best in class' product quality. Internally the department develops a living quality culture at all levels within the automotive division and at our partners.

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

