



Principal Engineer Application & Systems

Job description

Systems Lead, who helps key Product development in defining, developing System validation platforms and build the next generation of USB and Type-C/PD solutions.

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Job Description:

1. Define/Develop System validation Test platform and test suites
2. Perform simulation and hands-on development in the area of high-frequency, high-current, high-density AC/DC and DC/DC designs
3. Lead group of engineers and work cross functionally with System Architects, Firmware developers and Applications Marketing in defining right-fit product, addressing customer application requirements
4. Support design/development activities, schematic & layout reviews, board bring up, full system-level validation and debug of technical problems
5. Provide technical guidance and support/train the local/Regional System teams
6. Systems engineer keen to deliver USB power delivery products and solutions
7. Own and Execute EMI/EMC compliance of AC/DC and DC/DC solutions.

Profile

- Master's in Electrical Engineering / Power Electronics or equivalent
- Experience in design for power management products
- Knowledge of power conversion topologies, magnetics and control system design with extensive lab skills to test and debug of switch mode power supplies
- Hands-on experience in high-frequency, high-current, high-density AC/DC and DC/DC designs
- Knowledge in complete silicon development cycle from Product definition to Mass production
- Must have experience of simulation tools such as Simplis, Spice, Matlab, Mathcad
- Good understanding of Microcontrollers and ARM Cortex M architecture
- Excellent problem-solving skills with respect to Conducted /Radiated emission for Power adaptor solutions complying to Industry standards
- Strong team-player and practical hands-on problem solver
- Excellent written and verbal communication skills and enthusiasm for solving customer problems in a collaborative manner

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,

At a glance

Location: **Bangalore (India)**
Job ID: **354478**
Start date: **Sep 05, 2022**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Sharath.HD@infineon.com



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Home office; Health & wellness reimbursement, Employee motivation forum,
Spoorthi – Diversity club, Master health check up, Health promotion campaigns;
Crèche facility; Annual success bonus; Medclaim (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

Why Us

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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.

