

Driving decarbonization and digitalization. Together.



Lead Principle Engineer

Job description

As Lead Analog Designer for Power Management ICs and MCMs you will work closely with Concept Engineering, Applications, Marketing, and Project Managers to define feature set, chip architecture, resourcing, scheduling and costing. Perform all aspects of IC Analog/Mixed signal design from definition to production.

In your new role as Lead Analog Designer for Power Management ICs and MCMs you will

- Work closely with **Concept Engineering, Applications, Marketing, and Project Managers** to define **feature set, chip architecture**, resourcing, scheduling and costing.
- Perform all aspects of **IC Analog/Mixed signal design** from definition to production. Potential areas of design include precision, low-power Analog & I/O blocks, A/D & D/A converters, PLLs, as well as higher voltage integrated drivers, switching FETs, and sense and protection circuitry.
- Complete **schematic capture, circuit analysis and simulation**.
- **Perform silicon bench evaluation** and guide technicians for full characterization.
- Oversee block level behavioural modelling for chip top level verification
- Guide physical designers on critical aspects of the layout and perform post layout parasitic extraction & circuit verification. Document and review critical aspects of the design architecture, implementation, and testing.
- Work cooperatively with test engineering to ensure testability and low PPM during production.
- Mentor experienced designers in the art of mixed-signal design highlighting good design practices.

Profile

You are best equipped for this job if you have the following profile:

- MS or PhD in Electrical Engineering or related field and minimum of 12 years of **IC design** experience.
- Strong foundation in analog and mixed signal design
- Have experience as a Design team leader.
- Attention to detail in all aspects of architecture definition, circuit design, debug and documentation.
- Exceptional interpersonal, time management and communication skills.

At a glance

Location: **Bangalore (India)**
Job ID: **HRC0860292**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **HRC0860292**
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Contact

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- Design experience with **Power Management ICs** and **LDMOS/BCD** process technologies and **PDKs**
- Proficiency with the complete suite of Cadence tools for mixed signal design

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, 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

#WeAreIn for driving decarbonization and digitalization.

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

Are you in?

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.

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.

