Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Senior/Test Engineer

The Job:

- Responsible for preparing the Production Testpackages (Hardware and Software), and Qualification Testprograms
- Prepares test specifications and hardware (Probecard, Loadboard) design specifications
- Responsible for development of new innovative approaches for highly parallel testing, new methodologies to improve coverage and test time, more efficient program structures / libraries, etc. Including IP generation
- Ensure continuous development, improvement and updating of component/module test programs from early development until end of product life
- Ensure Timely transfer of Engineering and Production testpackages for Wafersort and Final (Packaged) Test to various test sites
- Defines and prepares Burnin test board specifications and hardware validations during project start up
- Prepares and releases test programs for production tests and product qualifications throughout project cycle
- Continuous development and innovation on Burnin test coverage, high parallel tests and efficient test methodology
- Involvement in troubleshooting and debugging Burnin test related problems of diverse complexity and scope
- Cross functional interaction within/outside project team to resolve product issues, yield topics and Burnin test-related matters

Requirements:

- Master or Degree in Electronics Engineering
- Experience / Knowledge: 3-5 years of relevant experience in leading successful CMOS IC test development projects
- Experience Teradyne J750 testdeveloper with strong knowhow in Hardware (Probecard, Loadboard) Design
- Knowledgeable of Microcontroller of SOC and FLASH test development is preferred
- Experience in Visual Basic programming and Perl Scripting
- Business focus with strong planning, coordination, analytical and good communication skills
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Senior Staff/Staff/Senior Engineer (Analog IC Design)

The Job:

- Responsible for the development of Mixed Signal IP in mainly CMOS technology for Industrial and Automotive application

- Circuit level simulation and verification, block and top level design, circuit/block layout, lab evaluation and support for circuit blocks, interpreting requirement specifications to achieve design strategies

Requirements:

- Bachelor Degree/Master/Ph-D in Electronics/Electrical Engineering/Physics
- >8yrs (Staff) 6~8yrs (Senior Engineer) working experience in Mixed Signal design
- Experience in Mixed signal design in PLL, DLL, regulator and particularly ADC/DAC
- Direct customer interaction in concept, and specification discussion
- Project Management
- Deep understanding (at least 5 years experience in design) of state of art ADC/DAC architecture
- Independent, able to work under minimal supervision
- Leadership qualities, able to drive project
- Team player, able to work with internal and external partners
- Good communications, interpersonal skills and presentation skills
- Able to work under pressure and challenging environment
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Staff / Senior IC Product Engineer

The Job:
- Responsible for setting directions in analysis methodology and bench capability, toolings to enable fast execution of reject analysis and verifications
- Responsible for defining qualification requirement, analysis, characterization including tests generation and ensure manufacturability
- Perform/provide guidance on Electrical and Physical failure analysis to understand failure mechanism
- Interact with FE, design, concept and test engineers to drive for product robustness and test coverage improvements
- Champion root cause findings to support improvement programs and drive for yield optimization

Requirements:
- Master or Degree in Semiconductor Physics, Electrical/ Electronics Engineering or equivalent
- Experience in FE Wafer processes and fabrication, preferably on CMOS products
- Good knowledge in Test/Product Engineering
- Experience in product development, embedded circuit design, design and test of digital/ analog circuits. Preferably with Micro-controller product know-how
- Strong technical background with proven experience in IC failure analysis and fault localization techniques
- Experience in analysis using bench setup and/ or ATEs
- Good knowledge in UNIX, Ms Office & programming (C, C++, Perl and/or assembly language)
- Self starter and team player with good communication and analytical skills
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Senior/Staff IC Test Development Engineer

The Job:

- Responsible for Production Testpackages (test programs and hardware)
- Prepares test specifications and hardware (Probecard, Loadboard) design specifications.
- Responsible for development of new innovative approaches for highly parallel testing, new methodologies to improve coverage and test time, more efficient program structures and libraries
- Ensure continuous development, improvement and updating of component/module test programs from early development until end of product life
- Ensure Timely transfer of Engineering and Production testpackages for Wafersort and Final (Packaged) Test to various test sites.

Requirements:

- Master or Degree in Electrical/Electronics Engineering
- Relevant 5-8 years of working experience in leading successful test development project at SOC level in deep submicron processes.
- Knowledgeable in Teradyne J750 ATE testing with experience in Hardware designs.
- Knowledge of Microcontroller, SOC and FLASH test development is preferred.
- Experience in Visual Basic programming and Perl Scripting.
- Business focus with strong planning, coordination, analytical and communication skills
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Principal/Senior Staff/Staff Engineer (System Concept)

The Job:
- Requirement management from lead customers and competitor benchmark
- Lead customer support for technical discussion and issues
- System architecture specification and system modelling in USB power management application domain
- Algorithm design and IP definition, such as Processor, memories, analog front-end

Requirements:
- PhD/Master/Bachelor’s degree in Electronic/Computer Engineering with minimum 10 years working experience where at least 5 years is in system concept engineering
- Profound expertise in analog, digital and firmware base system architectures
- Strong system architecture knowledge of USB charger management and power deliveries
- Strong knowledge of mixed-signal architecture and concept, such AFE, PLL, ADC, DAC, etc
- Knowledge of power converter topologies such as PFC, LLC, DCM, CCM, Flyback and algorithms for SMPS application is highly desirable
- Profound knowledge in system modelling, e.g. MATLAB, SIMETRIX etc.
- Strong interpersonal and communication skills and self-motivated team player
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

**Senior Staff/Staff Engineer (System and Application Engineering)**

**The Job:**
- Key technical team member in developing state of art lighting system solution from system concept, design and testing.
- Develop turn-key lighting system board, application note, fighting guide to support smooth solution implementation.
- Provide second level (expert) technical support to worldwide customer including design-in activities.
- Conduct training and share relevant technical information to regional field support engineer.
- Coach team in performing reverse engineering and benchmarking on competitors lighting solution.
- Perform Product Definition and technical requirement management together with customer on new/innovative Lighting solutions.

**Requirements:**
- PhD/Masters/Bachelor's degree in Electrical/Electronic/Applied Science Engineering with minimum 8 years’ related working experience
- In depth knowledge on both fluorescent and LED lighting application topology, AC-DC, DC-DC lighting ICs
- Solid hands on experience in system board design including PCB layout, EMI/EMC compliance, dimming compatibility etc
- Good understanding on current lighting solution trend, lighting specification, limitation for analog and digital lighting solution
- **Experience in designing e-Transformer and dimmer is a must**
- Self starter and good track record in technical leadership
- Strong analytical skill and able to lead team resolve complex technical issue
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Application / System Engineer (2 years contract)

The Job:
- Application and System Engineering for AC-DC SMPS IC products
- New IC verification in the Application, reference board design, support product launch and in-design in at lead customers
- Application Notes and develop application design tools, train Field Application Engineers
- Product Definition in co-operation with the IC design concept team

Requirements:
- Bachelor Degree/Masters in Electrical Engineering with minimum 3 years experience in Switched Mode Power Supplies (SMPS) design, prototyping and verification, experience in IC product definition desired
- AC-DC power supply circuit design experience needed, especially quasi resonant and fixed frequency flyback, PFC CCM and DCM and resonant topologies like LLC
- Knowledge in digital controlled (DSP based) power application desired, software / firmware knowledge for DSP based SMPS
- Good knowledge in EMC standards and system testing methods
- Fluent English, good English technical writing skills
- Team player, good communication and presentation skills, results-oriented, innovative
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

System Engineer (2 years contract)

The Job:
- Working closely with Application Scouting Centre in Villach, mainly on:
  - Circuit design (Power converter design)
  - Circuit simulation (Simulation software used: Matlab, PLECS, PSPICE and SIMetrix)
  - Circuit and component evaluation
  - Schematic and CAD layout design support for proto-type build
- Technical support to System engineering team

Requirements:
- Bachelor Degree in Electrical/Electronics Engineering or equivalent
- 2 to 3 years of experience in power electronics
- Highly skilled in engineering analysis with advanced knowledge in the theory and application of power converter systems
- Experience and understanding of application of magnetics to inductors and transformers to minimize losses and maximize efficiency
- Design experience with FETs, MOSFETs, SCRs, TRIACs, IGBTs, Bipolar Transistors, TVS, etc
- A strong understanding of PCB layout, component placement and routing
Interested candidates, please send your resumes to sinrecruitment@infineon.com, and indicate the job title in subject field.

Principal Engineer (System-on-Chip Verification)

The Job:
- Technical lead responsible for system-on-chip (SoC) verification of Infineon Tricore-based microcontroller family in a team of SoC verification engineers
- Overall responsibility and ownership of new microcontroller SoC verification concept and verification plans, including support for and review of verification plans provided by the team. Verification content ownership based on specifications and application scenarios, ISO26262 Safety product requirements and SoC design requirements
- Technical coordination of SoC verification team: direction setting in terms of verification focus, debug and troubleshooting; training and coaching of fellow engineers
- Work in a multi-cultural environment with international (eg Europe) R&D interfaces: application and concept engineering, methodology, design and subsystem/IP verification teams, SW development, etc
- Handling test bench integration of SoC design in all phases of verification (RTL, gate-level), including centralized troubleshooting of design issues over wide range of IP components: digital IP, mixed signal IP simulation models, firmware, etc

Requirements:
- MSc degree in Electrical Engineering
- At least 15 years experience in functional verification, especially SoC verification
- Very good understanding of processor (eg. ARM or other cores) based SoC architecture and SoC & IP designs to identify critical areas for focus of SoC verification
- Must have experience in Automotive microcontroller development/verification
- Preferably has background in verification/development of ISO26262 Safety products
- Excellent communication skills, verbal and written and strong leadership capability
- Embedded C and C++, SystemC, System Verilog, assertions (PSL, SVA), VHDL and Verilog, Unix scripting (Perl, Shell)