



Test Development Engineer - Advanced Power Management ICs

Job description

Do you enjoy the challenge of working in a leading-edge technology environment? Are you innovative and thrive in people interaction? Infineon Americas is looking for engineers with a passion for developing Test Development characterization and production ATE solutions using their knowledge at the cutting edge of H/W and S/W capability. In this role, you will utilize your experience to develop wafer probe and final test production and product characterization test solutions for Infineon's leading edge digital power management new products.

Our **Integrated Circuit (IC) design team** develops **Power Management** products for **Hyperscale server farms, high-end computing, telecom and datacom, automotive, and emerging AI platforms**. We also develop products for the rapidly expanding **Audio IC** applications space. We have design centers on both the east coast (Andover, MA & Warwick, RI) and west coast (El Segundo, CA), and we continue to grow this team to meet increasing market opportunities. If you are a **team player** with talent, **good communication skills**, a "**can-do**" attitude, and want to be part of a team where that is the secret sauce for success, then you would be a great fit for our organization, and we encourage you to apply.

As part of this **IC design team**, we are **looking for engineers** with a passion for **developing Test Development characterization and production ATE solutions** using their knowledge at the cutting edge of **H/W and S/W capability**.

We are open to hiring at all levels of experience and have a large enough team to efficiently integrate talented engineers and shape the position as needed.

Looking forward to meeting you soon!
Infineon Americas Design Team

In your new role you will:

- **Develop wafer probe and final test** production and product characterization test solutions for Infineon's leading edge **digital power management new products**
- Document test requirements, create test plans and develop test methods
- Work with design and concept development engineers to incorporate **design for test (DFT)** features into new products to ensure quality at low cost of test
- Design and develop test hardware using **Cadence Allegro tools**, using pre-existing libraries for **printed circuit board (PCB)** templates and component symbols
- **Create test programs**, integrate with test equipment and hardware, debug, validate, document and release per corporate standards and procedures

At a glance

Location: **Andover, MA (United States)**
Job ID: **55167**
Start date: **immediately**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **55167**
www.infineon.com/jobs



- Reduce the cost and improve the quality of existing test solutions through **test method improvements** and test platform transfers

Profile

You are best equipped for this task if you have:

- Bachelor or Master of Science degree in **Electrical, Electronics or Computer Engineering**, or similar discipline
- Experience developing production test solutions for **mixed signal ICs** using **automated test equipment (ATE)**.
- Strong understanding of electronic engineering principles in areas including a **analog and digital circuits, power devices**, and high-speed signal integrity
- Experience **designing PCBs** using schematic capture tools such as **Cadence Allegro**
- Sound test-programming skills and experience programming in **C / C++, Vbasic, LabVIEW** and **script languages**
- Knowledge in design for testability and manufacturability, and ability to articulate constructively with the design teams and product engineering teams to insure that design for test is understood by all involved and specified and validated at early stages of development
- Hands on experience **making bench electrical measurements** using signal generators, oscilloscopes and spectrum analyzers, including bench test automation
- Knowledge in digital and analog IC design and verification a plus
- Demonstrated skills in problem solving, communications and teamwork

Infineon **Power & Sensor Systems (PSS)** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world.

Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of “things” and systems such as HMI, and our RF chips power fast and reliable data communication.

– We drive leading-edge power management, sensing and data transfer capabilities –

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