



Field Application Engineer Manager

Job description

The FAE team member will focus on leading a team of FAEs as well as being a shirt-sleeve engineer supporting customers in the Bay area working on power management solutions related to DC-DC solutions. These solutions are to be designed into computing equipment such as desktop/laptop computers and GPU boards, and data communication equipment such as server/router/switch to power CPU's, Memory, GPU's and ASIC's. The ideal candidate must have experience leading technical teams and have hands-on experience in high performance multiphase DC-DC non-isolated embedded power, and enjoys working in the lab to validate customer designs according to application requirements. Experience in SMPS and RF is an added plus.

In your new role you will:

- Organization and planning of staff assignments to meet customer development needs
- Responsible for providing all types of technical support leading to design wins, as well as ongoing support for existing products and customer programs as needed. These include schematic reviews, layout reviews, board bring ups, tuning /optimization and running
- Debugging of solution in customer application on-site at customer labs or at Infineon Technologies labs
- Collaboration with other FAEs and communication with Infineon design centers and other functions as necessary to support customer design-in
- Proficient in understanding system solution design decision and trade-offs (including magnetics, capacitors, and control loop) and makes recommendations on product selection for the desired cost/benefit ratio
- Training and development of staff
- Maintain and develop understanding of customer's products

Profile

You are best equipped for this task if you have:

- BSEE, MSEE preferred or equivalent experience
- 10 or more years relevant experience in power electronics
- At least 10 years management experience
- Experience in Applications and/or design of end equipment using power management control ICs & power semiconductors
- Proficient in Microsoft Office productivity tools (Outlook, PowerPoint and Excel)
- Excellent communication and presentation skills (verbal and written)
- Willing and capable to take responsibility
- Strong quantitative analysis skills
- Ability to work in a team
- Capable to quickly understand complex situations/problems
- Reliable, responsive, and creative

At a glance

Location: **Milpitas | CA**
Job ID: **35942**
Start date: **immediately**
Entry level: **Professionals / experienced**
Type: **Full time**
Contract: **Permanent**

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- Ability to think and act strategically and operationally without direction

You are best equipped for this task if you have:

- BSEE with minimum 7+ years of experience in the semiconductor industry
- Experience with Teradyne (Eagle) ETS364 and/or J750 test platforms is desired
- In depth knowledge of power electronic products and processes
- Fundamental understanding of product design implementation
- Knowledge of device fabrication process, such as epi growth, diffusion, ion implantation, etc., including final electrical testing and their impact on power device performance
- Theoretical and practical knowledge of PN junction diodes, Schottky diodes, BJT, MOSFETs HEMTs, MOS capacitors, and resistors, etc.
- Understanding of semiconductor material properties and their influence on semiconductor device behavior
- Comprehensive understanding of complex mixed signal control schemes in multiphase, power-stage, and Point of Load products – relationship to tested parameters and subsequent relationship to data sheet parameters
- Ability to understand applications based subjective conditions and how that may be in conflict with product performance parameters
- Knowledge of QFN package assembly and device fabrication process, such as epi growth, diffusion, ion implantation, etc., including final electrical testing and their impact on power device performance
- Experience with Eagle, J750, Agilent 93K test platform desired
- Experience with Mentor Galaxy Examiner and JMP data analysis tools is strongly desired
- Excellent interpersonal, verbal, and written communication skills
- Ability to demonstrate great attention to detail
- Are a proven self-starter

Infineon **Power Management & Multimarket (PMM)** 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** –

