



Principal Applications Engineer

Job description

Are you a technology savvy person who loves exploring ground-breaking ideas? Do you enjoy working with customers to develop power electronic solutions that meet their needs? Do you like challenges and want to be part of an outstanding team? Then look no further, this is the right job for you: as a Principal Application Engineer, you will be spearheading the Go-to-market activities in the Technical Marketing team to support Switch Mode Power Supply (SMPS) and renewable applications. You will collaborate with our global technical marketing, application management/marketing, product management/marketing and other engineering teams to define and execute the application board roadmaps for the target applications.

In your new role you will:

- Track the latest application trends in the segments of interest to **define the board roadmaps**
- **Generate the target specifications** for the application boards on the roadmap and execute them with best fitting technical solutions
- **Develop high performance and/or high density manufactural power converter designs**
- Technically support and train our technical and sales teams to transfer our system solutions to customer
- Roll-up the sleeves to trouble-shoot customer issues through **extensive analysis and hardware testing** among others
- **Develop application literature** such as application notes, technical articles and promotion material
- Team up with internal technical communities to produce best results

Profile

You are best equipped for this task if you have:

As a team player, you communicate openly, clearly, and coherently to quickly establish a successful cooperation. You are personally committed to the customer's concerns and aware them a high priority.

- A bachelor's degree in Electrical Engineering. An advance degree is preferred
- 8+ years of industry experience in power electronics field
- Strong understanding of **power electronic related topics** (topologies, control concepts, active and passive components, package and thermals concepts, EMI)

At a glance

Location: **El Segundo, CA (United States)**
Job ID: **323396**
Start date: **immediately**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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- Prior experience with designing **PFC (Power Factor Correction), LLC, DAB (Dual Active Bridge), inverter** and other topology based converters
- **Expertise in advanced magnetic design and FEA simulations**
- **Experience with system simulations and PCB layout software.** Familiarity with tools such as Simetrix, Matlab, PLECS and Altium is a plus
- Experience with **technical customer support** and intercultural communication
- Good understanding of software and firmware aspects of microcontrollers. Experience with **digital control solution development** is desired
- Good laboratory, problem solving, multi-tasking and effective presentation skills
- Self-disciplined and well organized personality
- Willingness to travel domestically & internationally

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