

Job description

Immediately impact this pioneering industry by taking ownership and responsibility of all facets needed to design and build PWB DC/DC Converter products in one of the most challenging industries in the world.

You will be part of Infineon's International Rectifier HiRel Products, Inc. division which markets components that meet particularly high demands and survive under extreme environmental conditions. Application areas include space systems, commercial aviation, medical, oil and gas drilling, undersea telecommunication cable and defense technologies. IR HiRel offers a comprehensive portfolio of power management solutions with highly reliable, robust discretes and ICs, high temperature DC-DC converters, solid state relays and motor controllers.

We are looking for a highly self-motivated engineer who can take the bull by the horns and is not afraid of a challenge. Be a key part of the Hybrid DC/DC Converter Product Engineering Team where you will be responsible for investigating, troubleshooting, determining, and solving any design and manufacturing issues that impact the overall business of IR Hi-Rel. This dynamic position is the backbone of all the activities required to successfully deliver products to our customers.

Using all the tools and information available, you will become an expert on design techniques, materials and processes impacting reliability, design for manufacturability and testability, and failure analysis methods.

This job requires access to technology, materials, software or hardware that is controlled by the export laws of the United States. Candidates are required to provide proof of either US citizenship, Permanent US residency or classification as a protected individual as defined in 8 USC 1324b (a) (3).

In this role you will:

- Continuously collaborate with design, test, component, and materials & process engineering to understand product design, functionality, reliability, manufacturability, and testability
- Corroborate with program management, planning, procurement, and manufacturing to ensure timely delivery of products to customers.
- Drive failure analysis of any product manufacturing or test issues that are observed
- Provide guidance, Investigate and troubleshoot technical issues, as required
- Create and maintain all required design and manufacturing documentation for released products
- Perform and drive qualification activities including, but not limited to, first article, vibration, EMI and/or radiation testing
- Create, maintain, and update design analyses including, but not limited to, stress, thermal and reliability
- Continuously improve designs by focusing on details and driving improvements

At a glance

Location: **San Jose | CA**

Job ID: **17770**

Start: **Apr 10, 2017**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **17770**

www.infineon.jobs

Profile



You are best equipped for this task if you have:

- BS in Electrical Engineering or other relatable technical field. Master's degree preferred
- 0 to 3 years of related experience in DC/DC converter technology
- Must have a strong understanding of electrical engineering principles
- Must have understanding of manufacturing and testing philosophies and processes
- Have a clear understanding of product engineering and its relationship to product quality, cost, and time to market.
- Have a clear understanding of Failure Analysis and troubleshooting methods and processes
- Knowledge and working experience with DC/DC product technology and processes
- Knowledge of Hybrid product technology and processes

