



Jumpstart - Product Engineer (Electrical Failure Analysis)

Job description

In your new role you will:

- Be responsible for **Product Engineering activities for Microcontroller** during product Ramp Up phase including: Supports Yield, Test Time and Burn-In optimization, Wafer process improvement etc..
- **Electrical and Physical Failure Analysis** to identify failure mechanism and Root cause finding.
- Be responsible to **Microcontroller customer return (RMA) handling and Electrical /Physical Failure Analysis**
- **Test Data Analysis** to Contribute to overall Cost Saving, Yield and Test quality improvement initiatives
- **Develop Tooling** to improve the efficiency of EFA and **data mining** by automation and digitalization.
- Collaboration with Design, Product and Test Engineering team to develop optimal test solution for high volume MCU manufacturing with best-in-class quality and reliability

Profile

You are best equipped for this task if you have:

- Master / Bachelor's Degree in Semiconductor Physics, Electrical / Electronics Engineering or equivalent
- **Fundamental knowledge on Semiconductor process and device, VLSI and analog/digital circuit design and microcontroller structure**
- Strong problem solving and analysis skill
- Familiar with programming languages in **Embedded C/C++, R, Perl, Python**
- Passion for product testing and failure analysis
- This is a **24-month program, candidates with no prior working experience are welcome to apply.**
- Able to commit to a 24 months contract period.

Why Us

Part of your life. Part of tomorrow.

At a glance

Location: **(Singapore)**
Job ID: **66336**
Start date: **as soon as possible**
Entry level: **0-1 year**
Type: **Full time**
Contract: **Temporary**

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

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We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

In accordance with the requirements set by the Singaporean Government, Infineon Technologies Asia Pacific Pte Ltd (“Infineon”) can only allow individuals who are (a) fully vaccinated, (b) certified to be medically ineligible for a vaccine or (c) have recovered from COVID-19 within a prescribed period, onto company premises. Therefore, Infineon requires all new employees, as well as contractors and business partners, to be fully vaccinated against COVID-19. “Fully vaccinated” means individuals have completed the full regime of an approved COVID-19 Vaccine as listed under the World Health Organization (WHO) Emergency Use Listing (EUL) including the respective post-vaccination period to ensure the vaccine has become full effective. Anyone who is unable to be vaccinated due to an approved and/or recognised exemption condition may apply for special consideration.

