



Principal Engineer - Product Management

Job description

In your function, you grow a team of FAB product engineers in Singapore to support and improve Power & Sensor Systems, Supply Chain & Production Management technologies produced in Silicon Foundries. You are the central interface between our internal customers, the wafer fab and the testing site. You understand the functionality of our products and our technology. You love technology, a dynamic surrounding and you want to be part a world wide community of experts. You fight for the best solution and you are always open for feedback? If this sounds like a challenge, than become part of our team!

In your new role you will:

- **Review probe parametric data, center distributions** within the specification in collaboration with Silicon Foundry (SiFo) team
- **Report FAB yield and parametric results** to Production Management and division product engineers
- **Drive Yield improvements**, if losses occur at wafer test or in Backend (BE) due to Frontend (FE) deviations, feedback deviations to SiFo
- **Execute the lot disposition** by working closely with FE and BE. define and implement lot release criteria
- **Support and verify test changes in Wafertest** and product ramp up teams with technical expertise regarding wafer processing and parametric knowledge
- **Work on defects reduction** with SiFo team based on yield, fast Wafer Level Reliability (fWLR) results
- **Escalate potential quality issues detected at Wafertest** to Quality Management, Product Management, Division Product Engineering and SiFo team and drive for improvement
- **Form and lead expert teams** to solve problems with the products
- Provide Wafertest data for new product releases
- **Attend PCRB and support upcoming changes** with product data wherever needed
- Support the Global Yield team, collaborate with Backend product engineering and Division product engineering

Profile

You are best equipped for this task if you have:

- Master's / Bachelor's Degree in Physics / Manufacturing Engineering / Materials Sciences

At a glance

Location: **(Singapore)**
Job ID: **355368**
Start date: **Sep 01, 2022**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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- **5-10 years of experience** in the **Semiconductor industry**, ideally in **Process Integration / Product Engineering**
- **Team leader** competency with ability to **lead cross-sites / cross-functional teams** and work in a multi-cultural environment
- Device and technology knowledge in **Trench MOSFETs**
- Strong **communication** and **interpersonal skills** to collaborate effectively with various stakeholders

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

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.

