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JAC Recruitment Malaysia

PR/161113 | Senior / Principal Quality Engineer

Job Information

Recruiter

JAC Recruitment Malaysia

Job ID

1614218

Industry

Electronics, Semiconductor

Job Type

Permanent Full-time

Location

Malaysia

Salary

Negotiable, based on experience

Refreshed

September 22nd, 2026 10:37

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Fluent

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

A leading global semiconductor organization is seeking a highly motivated Product Quality Engineer (PQE) to drive product qualification, reliability assurance, and quality excellence across a portfolio of semiconductor products, including SPS solutions for AI and data center applications. This role is responsible for ensuring products meet customer requirements, industry standards, and internal quality expectations through robust qualification methodologies, reliability monitoring, and risk assessment activities.

The successful candidate will work closely with cross-functional teams including Design, Test, Manufacturing, Reliability Labs, Failure Analysis, Customer Quality, and Supplier Quality to support new product introductions, engineering changes, second-source qualifications, and ongoing reliability programs. The ideal candidate will have strong expertise in semiconductor manufacturing processes, reliability testing, qualification standards, and structured problem-solving methodologies to drive product quality, prevent defects, and enable continuous improvement throughout the product lifecycle.

Key Responsibilities

- Lead and execute product qualification activities for new products, design changes, material changes, process changes, and second-source qualifications.

- Define and implement appropriate reliability and stress testing methodologies based on product applications.
- Ensure compliance with customer requirements, internal quality standards, and industry standards (ISO 9001, IATF 16949, JEDEC, IEC).
- Review qualification results, assess risks, and provide quality approval for product releases and engineering changes.
- Drive On-going Reliability Testing (ORT) and monitor product reliability performance.
- Collaborate with Design, Manufacturing, Test, Reliability, FA Labs, and Customer Quality teams to prevent defects and improve product quality.
- Participate in DFMEA, risk assessments, root cause investigations, and continuous improvement initiatives.
- Communicate qualification plans, test results, and reliability data with customers and stakeholders.

Key Requirements

- Bachelor's Degree in Electrical Engineering or a related discipline.
- 5+ years of experience in semiconductor quality, reliability, qualification, or product engineering.
- Good understanding of semiconductor manufacturing processes including wafer fabrication, assembly, packaging, and testing.
- Experience with product qualification and reliability methodologies for semiconductor modules, SiP, or power products.
- Strong knowledge of industry standards such as JEDEC, IEC, ISO 9001, and IATF 16949.
- Experience with Failure Analysis (FA), FMEA, 8D, Root Cause Analysis (RCA), and risk management.
- Strong analytical, problem-solving, and data interpretation skills.
- Excellent communication and stakeholder management skills.
- Ability to work effectively in a global, cross-functional environment.
- Willingness to travel internationally when required.

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Company Description