



Senior Engineer, Reliability & Qualification

Job description

As a Senior Engineer, Reliability & Qualification, you will define reliability assessment plan for new package technologies with a failure mechanism-based approach and determine the technical capability of a package technology to meet the specified reliability requirements.

In your new role you will:

- Define **reliability assessment plan** for new package technologies with a failure mechanism-based approach and determine the technical capability of a package technology to meet the specified **reliability requirements (including set-up of customer mission profile)**
- Identify **new failure modes, detect unexpected results, statistical outliers and also potential risks which are not covered by standards**
- Execute **reliability stress tests and physical analyses, evaluate and assess reliability data, derive conclusions and recommendations**
- Participate in **project discussions on package delta analyses and risk assessments**
- Support **qualification of new packages / processes and production changes**

Profile

You are best equipped for this task if you have:

- Bachelor's or Master's degree in **Materials Science / Physics/Electrical & Electronics Engineering**
- **3 to 5 years of experience in Frontend and backend semiconductor manufacturing industry, reliability and qualification are preferred.**
- Be able to work independently and pro-actively and drive value through improvement activities
- Be a strong team player with good communication and interpersonal skill
- **Familiarity with Problem solving technique, statistical analysis, Failure Mode and Effects Analysis (FMEA) methodology, Machine Learning model developed using Python and Tableau Software will be advantageous**

Why Us

Part of your life. Part of tomorrow.

At a glance

Location: **(Singapore)**
Job ID: **347688**
Start date: **as soon as possible**
Entry level: **3-5 years**
Type: **Full time**
Contract: **Permanent**

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