



## Principal Engineer, Package Technology

### Job description

As a Principal Engineer, Package Technology, you would be conducting technical feasibility of new package design and make recommendation to address delta

In your new role you will:

- Conduct **technical feasibility of new package design** and make recommendation to address delta
- Assess compliance to **Bonding Diagram (BD), Design Rules (DR), Bill of Materials (BOM), and Process Block (PB)** to already established guidelines
- Collaborate with designer, characterization and material team to initiate required analysis to address gaps identified
- Quantify potential impact of new technology implementations on overall package cost and make recommendations to achieve cost targets
- Reduce complexities in processes by reviewing and harmonizing BOM, PB, and DR.
- Provide technical support to project managers during **new package technology qualifications and technical risk assessments (DFMEA and PFMEA)** and ensure timely and effective solutions are deployed to identified risks.
- Provide technical support to Innovation Team to assess viability of new technologies for cost, stability and DFM.

### Profile

You are best equipped for this task if you have:

- Master's/ Bachelor's Degree in Chemical/ Electrical/ Mechanical/Materials Engineering
- More than 5 years in **Package Development/ NPI/ Process Assembly** in a matrix organization, exposure to IPM highly desirable
- More than 4 years managing and leading technical teams (2 to 4 engineers)
- Understands **FE-BE, chip-package, assembly materials-processes interactions**
- Proficient in **APQP, DOE, FMEA, and Six Sigma**
- Knowledge in **DR, BD, BOM**, and equipment capability
- Knowledge in failure mechanism and failure analysis of assembly and test-related defects
- Very hands-on technical person or the potential to be a leader and desire to lead

### At a glance

Location: **(Singapore)**  
Job ID: **350811**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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