

Principal / Senior Engineer, New Product Introduction - IC Packaging, Technical Operations Management

Your tasks

- Lead NPI process from Concept to Mass Production at OSAT (especially QFP, BGA).
- Define and implement Package Development, Assembly and Testing for new PMIC products for Automotive.
- Identify opportunities for cost reduction in packaging materials and process optimizations while ensuring quality.
- Ensure Manufacturability and Product Ramp-Up.
- Prepare and present reports on NPI project status, risks and milestones.
- Drive Failure Analysis (FA) to identify Root Causes for issues.
- Perform Risk Assessments such as Failure Mode and Effects Analysis.
- Develop, align and monitor Qualification Process.
- Interface to Quality Department for Quality Confirmation.
- Elaborate and define Data Exchange between OSAT and Continental for Traceability, Quality. Assurance and Yield Monitoring.
- Establish Part Traceability Concepts.
- Conduct risk assessments and implement mitigation strategies

Your profile

- Degree in Electronics/Electrical Engineering (or relevant) with minimum five years' working experience in semiconductor (e.g., process or product), or subcon management (e.g., Foundries or OSAT).
- Good knowledge in semiconductor manufacturing processes (e.g., wafer process technologies and package assembly), electronic testing (e.g., DFT, Test Hardware, Test Development) and automotive electronic qualification requirements (e.g., AEC-Q100/101).
- Preferable with strong technical proficiency in package and assembly processes.
- Good interpersonal and communication skills (e.g., Business English, Presentations) to interact with internal and external stakeholders.
- Strong problem-solving skills, results oriented and a quality-focused mindset.
- Team player with proactive attitude, able to work independently and travel frequently.

Our offer

Ready to take your career to the next level and join us at the start of something extraordinary? Apply now to become a part of AUMOVIO and drive the future mobility together with us!

About us



Job ID
REF84224D

Field of work
Engineering

Location
Singapore

Leadership level
Leading Self

Job flexibility
Onsite Job

Legal Entity
**Continental Automotive
Singapore Pte. Ltd.**

Continental's Automotive group sector is expected to be listed as independent company "AUMOVIO" in September 2025. With ~93,000 employees worldwide and annual sales of ~€20 billion, we are entering an exciting new era.

AUMOVIO stands for highly developed electronic products and modern mobility solutions. In addition to its strong market position with innovative sensor solutions, displays, and technologically leading braking and comfort systems, AUMOVIO has significant expertise in software, architecture platforms and assistance systems for the rapidly growing future market of software-defined and autonomous vehicles. Our purpose is clear: to make future mobility safe, exciting, connected, and autonomous.