

## Supplier Industrialization Engineer Top Level Assembly Electronics -



### **Educational Qualifications:**

BS Degree in Electrical / Mechanical / Industrial / Material/Manufacturing Engineering or evidence of experience and exceptional ability.

Experience

0-2 Years Experience in Automotive Top Level Assembly Component Development preferred.

### **What you bring to the role:**

- Possess demonstrable leadership abilities; Previous experience managing safety critical parts.
- Ability to communicate and direct supplier activities at the management level.
- Ability to define and execute a project using project management techniques.
- Ability to thrive in a fast paced, dynamic environment. Excellent team building skills in dealing with suppliers, peers, and other functional areas.
- Experience in Quality Systems and PPAP/APQP processes.
- Well versed with new product development and customer launch DFMEA & PFMEA and DFM.
- Ability to learn new skills and processes, in development simulation methods and tools
  - Knowledge of simulation tools, design tools and methodologies, mechanical systems.
- Knowledge of manufacturing processes of electronics Top Level Assembly for EV.
- A fundamental knowledge of electrical and electronics products
- In-depth knowledge of Geometric Dimensioning and Tolerancing (GD&T) and inspection.
- Exposure to Design, simulate & qualify product components and assemblies.
- Review and Analyze product specification and operational limits, relative to the successful validation of product.
- Fundamental Knowledge of SMT process.
- Knowledge of Automation in Manufacturing assembly, EOL testing of Electronic Modules.
- Know-how of PPAP for Automotive
- Know-how of Product Development Cycle for Automotive Electronic Assemblies.
- Knowledge of GD & T, Data Management/Change management processes and drawing standards.
- Knowledge of Plastic, Metal, Part Design, Tooling, and Manufacturing processes.
- Strong technical writing ability and an ability to explain complex issues in a concise and plain manner.
- Must be proficient with SPC and data analysis and have experience in using Statistical Software packages like Minitab or JMP, MS office, especially for Excel and PPT

### **What you will do:**

- Develop, Manage, Audit, Improve and Correct supplier planning and execution of component manufacturing and assembly techniques and quality control processes from the advanced development phase to mass production qualification.

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- Provide leadership for New Product Introduction (NPI) at Suppliers, Lead supplier improvements in scalability, cost, and quality.
- Review 2D ,3D CAD Mechanical Drawings and conduct DFM with suppliers.
- Execute qualification activities, required for product release PPAP.
- Accountable for supplier audits to ensure their ability to meet part performance, delivery, and reliability expectations.
- Collaborate with Tesla Design, Quality, and Manufacturing to determine the ideal performance specifications and supplier metrics.
- Accountable for leading, tracking and improving supplier manufacturing process development and launch readiness for new products and design changes.
- Guide suppliers in developing exceptionally robust processes and procedures to promote efficient and seamless production of high-quality products.
- Validate supplier corrective actions involving design and/or process changes to ensure they are robust, sustainable, and implemented for similar potential concerns across manufacturing lines and/or suppliers.
- Provide input on new or alternative materials for improved design, manufacturability, or cost reduction.

### **Soft Skills Required**

Highly motivated, proactive engineer

Strong in Analytical Skills, Presentation Skill

Strong communication skills with international teams.

Strong Problem-Solving Skills

Strong Interpersonal skills

Experience working with International OEM/Supplier

Able to work independently and under high pressure, an average of 50 - 60% travel, possibly on short notice.