

Research & Development

Experienced

ENGINEER

Modules & Polymer Products - Motherson Technology Services Limited (MTSL) - Pune, India

At Motherson, we're committed to creating long-term jobs and advancing global careers. Featured on TIME's World's Best Companies list, we are a diversified global design, engineering, manufacturing, assembly and logistics specialist, delivering full-system solutions to customers across industries. With a focus on innovation, quality and sustainability, we strive to be a trusted industrialisation partner and an employer that nurtures a diverse, inclusive workplace.

Our Modules and Polymer division leads automotive innovation, producing everything from plastic components to complex integrated systems. Trusted by major OEMs worldwide, we also specialise in mould design, tooling, and high-quality upholstery for passenger vehicles. Join us in shaping the future of mobility.

What you'll do

- Responsibilities:
- 1. Understand the Customer's work requirement and project deliverables (Project time estimation, quality and commit delivery dates).
- 2. Design and analyse electronics circuits for Automotive Lamp.
- 3. Perfect Electronic design of Linear / Resistive / DC-DC converter-based LED Driver for HL/Tail Lamps.
- 4. Topologies Selection of DC-DC Converter and Logic Integration as per Vehicle requirement. (According to Customer)
- 5. Automotive grade Component selection and analysis to fulfil hardware requirements.
- 6. Interface with ECAD for PCB layout with compliance to EMC & manufacturing design rules.
- 7. Participating in Design Reviews with Cross Functional PD & Manufacturing Team.
- 8. Control and release component BOM as per required Format.
- 9. Work with Product Assurance group to develop test specifications and assist in troubleshooting according to Customer Spec.
- 10. Interface with suppliers for development of component specifications, resolving open issues and ensure part availability for design milestones.
- 11. Design, change, tracking and developing interface specifications.
- 12. Field failure worst case analysis / handle field failures occurrence during SOP.
- Expected Outcomes:
- 1. Products meet specification requirements and are delivered on-schedule.
- 2. Manufacturing problems are dealt with in a timely manner.
- 3. Calibration procedures are optimised through new insights and effective communication.
- 4. Documentation is accurate and consistent.
- Capabilities & Desired Characteristics:

What we are looking for

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- Capabilities & Desired Characteristics:
- 1. Qualification in Electronics, or relevant experience (Automotive sector, lighting preferred)
- 2. A good understanding of structured projects and engineering methodologies.
- 3. Ability to work well in a group, sharing ideas and problem solving skills.
- 4. Excellent organizational skills, such as time management and prioritizing.
- 5. Excellent team and interpersonal skills.
- 6. Excellent attention to detail.
- 7. Excellent problem-solving skills.
- 8. Ability to maintain strict confidentiality.
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What we offer

Opportunity to work on innovative automotive lighting products for global customers.

Exposure to advanced electronics technologies, engineering tools, and industry standards.

A collaborative and technology-driven work environment.

Continuous learning and professional development opportunities.

Cross-functional project exposure and career growth within a leading automotive organization.