

Product Engineer

Roles and Responsibilities

- As a product engineer, you will be the product expert and you will play one of the major roles in ensuring PL revenue, on time delivery, product quality and ensuring the product is manufactured in accordance with the committed specifications.
- Own product Bill of Material (BOM) and support any BOM changes required by validating change request and impact to product performance, quality and regulatory requirements
- Ensure product meets yield, Out of Box Experience (OBE) and warranty failure rates, continuously embark on initiatives to improve product yield, quality and reliability.
- Solve manufacturing/test/hardware/firmware related issues by using effective Root Cause Analysis (RCA) methods.
- Provide support to production to ensure continuous manufacturing and shipment.
- Participate actively in new product introduction, including influencing the design of the product by performing Design For Experience (DFx) evaluations to ensure manufacturability.
- Receive the knowledge transfer from R&D. Review R&D product design to ensure product meets DFx requirements.
- Manufacturing knowledge transfer from US to CM.
- Lead production setup activities, product assembly documentation & qualification.
- Supports and implements transition of products and manufacturing processes from prototype to full production and through the entire life cycle of the product.
- Plans, evaluates and recommends technical, quality and cost specifications to meet design and business growth objectives and supply chain optimization. Identifies and qualifies alternative materials when needed.
- Collaborate with Safety and Regulatory Lab to test and qualify existing or new product designs. Troubleshoot and make necessary improvements to ensure product meets necessary safety and EMC requirements.
- Perform failure analysis on defects and warranty failures and perform necessary improvements to enhance quality and reliability of the product.
- Provide speedy resolution to customer issue and ensure customer satisfaction.
- Provides product knowledge training to technician and manufacturing specialist.
- Support in alternative component parts, redesign qualification to ensure no assurance of supply issue.
- Product engineering support for CM to ensure product yield, trending and quality are stable, and linkages to local and US ER for further support if needed.
- Support on product safety & reliability, and ensure Customer Centric Annualized Failure Rates (CCAFR) & warranty indicators are nominal.
- Support on various re-engineering cost savings initiatives such as product re-design, reverse-engineering driven by cost down initiative, supplier EOL (end of life) announcement and etc.

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Education Requirement

- Bachelors or Master Degree or University Degree or equivalent in Electrical, Electronics, Microelectronics, Telecommunications or similar discipline.

Skills Requirement

- Ability to interact effectively with people at all levels.
- Strong data analysis skills:
- Excellent communication skills.
- A great team player who is able to communicate and work effectively with team members.
- Ability to quickly learn new technologies.
- Good attitude on proactive approach and customer first mindset.
- Good knowledge in Analog HW and Digital HW designs
- Knowledge on product & test calibration standards and applications will be added advantages.
- Experience in electrical product design & specifications and manufacturing test processes will be added advantage.
- Excellent electronic technical knowledge & skillset.
- Experienced in project coordination will be added advantage.
- Software programming knowledge will be an added advantage
- Well versed in RF/uW and familiar with Keysight RF/uW instrumentation such as network analyzer, signal sources, Power Supply PCA manufacturing and Box build assembly and etc will be an added advantage