

PRITEE MANE

Electronics Manufacturing | Production | Quality | Process Improvement
Pune, Maharashtra | Associate Engineer — Philips India |

PROFESSIONAL SUMMARY

Electronics and Communications Engineer with **6+ years of hands-on experience in electronics manufacturing** at Philips India, working in a healthcare manufacturing environment involving MR coil products. Experienced in production support, electronic component handling, troubleshooting, quality improvement, Root Cause Analysis (RCA), RFT/DEFOA reduction, Lean Manufacturing and continuous improvement. Strong knowledge of PCB assemblies, electronic components, IPC standards, BOM management, production processes and quality controls. Hands-on exposure to TPM, 5S, Kaizen, Poka-Yoke concepts, EHS audits and process optimization. Skilled in cross-functional coordination, data-driven problem solving and production performance improvement.

CORE COMPETENCIES

Electronics Manufacturing & Production Support	PCB Assembly & Electronic Components	Electronic Product Troubleshooting
Quality Control & Process Quality	Root Cause Analysis (RCA)	RFT & DEFOA Investigation
Lean Manufacturing & Continuous Improvement	Kaizen & Poka-Yoke	5S & TPM
Production Planning & Process Monitoring	BOM Handling & Inventory Optimization	Cycle Time Reduction
Yield Improvement	Production & Quality KPI Monitoring	EHS / HIRA / AIA Audits
Cross-functional Coordination	SAP / Manufacturing Systems	

PROFESSIONAL EXPERIENCE

Associate Engineer — Philips India, Pune

Electronics / Healthcare Manufacturing

- Support day-to-day **electronics manufacturing and production activities** for MR coil products in a controlled healthcare manufacturing environment.
- Accountable for on time target completion by perform and managing electronic product troubleshooting, fault investigation also handling and planning for RF product packaging department.
- Work with **PCB assemblies, electronic components, soldered assemblies and electrical/electronic sub-assemblies**.
- Apply **IPC-610 and IPC J-STD** acceptance requirements while handling soldered electrical and electronic assemblies.
- Investigate **RFT and DEFOA failures** using structured Root Cause Analysis and support corrective/preventive actions.
- Contribute to yield improvement, defect reduction and process-quality improvement through data-based analysis.
- Participate in Kaizen and continuous improvement initiatives focused on process efficiency, waste reduction and defect prevention.
- Apply Lean Manufacturing, TIMWOODS, TPM and 5S principles in daily manufacturing activities.
 - Work on cycle-time reduction and process optimization initiatives to improve manufacturing efficiency.
- Handle BOM-related activities, component availability, inventory optimization, backorders and aging management.
- Coordinate with production, quality, supply-chain and engineering teams for issue resolution and material/process continuity.
- Support HIRA, AIA and EHS audit activities and compliance with defined safety and manufacturing practices.
- Monitor manufacturing KPIs and contribute to improvement actions based on production and quality data.
- Develop/maintain automated dashboards and reports to improve visibility of production and quality performance.

KEY PROJECTS & ACHIEVEMENTS

- **DEFOA Reduction:** Analyzed recurring manufacturing defects and supported RCA and corrective actions to reduce defect occurrence.
- **RFT & Yield Improvement:** Investigated process/product failures affecting Right First Time performance and supported corrective actions.
- **Dashboard Automation:** Automated production/quality reporting and KPI visualization using data-analysis tools.
- **Inventory Optimization:** Worked on BOM, inventory, backorder and aging-related activities to support production continuity.

QUALITY & MANUFACTURING KNOWLEDGE

Quality: RCA, RFT, DEFOA, Yield Improvement, Defect Analysis, Quality KPIs

Electronics: PCB Assemblies, Electronic Components, Soldered Assemblies, Electronic Troubleshooting, IPC-610, IPC J-STD

Manufacturing: Production Support, Process Improvement, Cycle Time Reduction, Production Planning, BOM Management

Lean: Kaizen, Poka-Yoke, Lean Manufacturing, 5S, TPM, TIMWOODS

Safety & Compliance: HIRA, AIA, EHS Audits, Manufacturing Safety Practices

TECHNICAL SKILLS

Data & Reporting: Advanced Excel, Power BI, Python, MySQL, Tableau

Manufacturing / ERP: SAP Basics, BOM Management, Inventory Management

Engineering: Electronics Troubleshooting, RF Systems, PCB, Electronic Components

Process: Lean Manufacturing, TPM, Kaizen, Quality Improvement, RCA

CERTIFICATIONS

- IPC-610 — Acceptability of Electronic Assemblies
- IPC J-STD — Requirements for Soldered Electrical and Electronic Assemblies
- Data Analyst Certification
- LEAN Basics

EDUCATION

B.E. / B.Tech — Electronics & Communications Engineering Savitribai
Phule Pune University

Awards

- **EAGER TO IMPROVE AND INSPIRE**
- **TAKE OWNERSHIP TO DELIVER FAST**
- **TEAM UP TO WIN**
- **Q2 -BEST KAIZEN AWARD**