



Senior Engineer Product & Test Engineering

Job description

1. Owner of the test process and Easy product(s) under responsibility ,with significant role in the Product and Test Engineering team: • Test process sustain and improvement • Responsible to investigate and partner with Front End for improvement activities on genuine electrical related rejects • Work with product developer to define and execute new test requirement on new and existing product from first engineering sample to process freeze phase
2. To deliver products to customers at committed functionality ,reliability, time, volume and cost
3. Ensure compliance of control plan deployment and quality controls are met; understanding of key parameters definition and controls.
4. Verify test specification feasibility for production and approve it in test specification release tool ,,
5. Initiate new test program and major test program changes approval through test program checklist and ICN issuance
6. Responsible for the new test hardware / test methodology development ,product yield monitoring and improvement
7. Involve in data collection for product characterization (for new product/package /process changes) and responsible for product yield monitoring and improvement
8. Identify and drive ratio (cost down) projects – Yield improvement ,test time/ test insertions reduction ,,
9. FAR support – support QM with product-related analysis and fault analysis & simulation, support execution of 8D (root-cause finding ,containment and permanent actions.) ,,
10. Process and product failure analysis, SBA,DDM, QRA, low yield investigate
11. Capability improvement(machine handling /test time optimization..)

Profile

1. At least 6years experience in Simi-conductor, IGBT/MOSFET/IC test process, solid semiconductor knowledge and experience, test program management
2. Experience in test process , with right control and further improvement
3. Experience in data analysis, failure analysis and product troubleshooting.
4. Product know-how for different products namely IGBT, diodes ,transistors, LNA, RF switches, HIPACs, voltage regulator, etc)
5. Analytical and problem solving skills know-how (FMEA, Cause & Effect Diagram, 3x5 WHY, Fault Tree Analysis (FTA), 7 QC tools ((Pareto diagram, Fishbone diagram, Process flow chart, Check sheet, Histogram ,Scatter diagram)) and also good in decision making.
6. Familiar with lab equipment (e.g. curve tracer, oscilloscope, etc)and waveform scoping technique.
7. Experience in products testing in terms of hardware, test correlation, test summary /data uploading, release process and interface.
8. Excellent understanding and interpretation of test program structures, test

At a glance

Location: **Wuxi, (China)**
Job ID: **355682**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Contact

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parameters and test program debugging.

9. Knowledge in schematic/electronic circuitry interpretation ,semiconductor technologies and device physics.

Benefits

- **Wuxi, :** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Medical coverage; On-site social counselling and works doctor, in Wuxi only.; Provision of health tips, health knowledge sharing, annual medical check; On-site canteen, in Wuxi only.; Wage payment in case of sick leave; Corporate pension benefits in some sites.; Performance bonus; Reduced price for public transport

Why Us

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Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

