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Product Engineer

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Company: Fidelis Companies

Location: United States

Category: other-general

Staff Product Engineer:Join our dynamic, high-growth technology company as a Staff Product Engineer. We are seeking a self-motivated, energetic professional with a strong understanding of a rapidly expanding business environment.Key Responsibilities and Duties:Evaluate new product performance pre-manufacturing release.Develop and maintain the engineering database.Implement and monitor SPC systems for production products.Manage wafer sort and final test disposition.Enhance product yield.Support engineering teams in NPI.Oversee change control for products in production.Collaborate with the reliability/quality team to analyze return merchandise authorization customer returns.Perform any other duties as assigned.Knowledge, Skills, Abilities:In-depth knowledge of the semiconductor product life cycle.Strong data analytical skills for power semiconductor evaluation and characterization.Experience with GaN or other compound semiconductor devices preferred.Proficient in test development, defining hardware/software needs for debugging.Experience in conducting yield analysis and circuit debugging for GaN semiconductor devices.Experience with 6-sigma quality practices.Hands-on experience with the following skills: product and test engineering, failure analysis, design, and yield improvement projects.Familiarity with the following statistical analysis techniques this includes SPC, CPK, CPU, CPL, etc.Ability to write concise engineering reports.Strong understanding of device physics.Familiarity with industry-standard reliability testing and failure analysis.Expertise in electrical and thermal characterization.Knowledge of wafer fabrication and packaging processes.Experience in probe and final test operation.Proficiency in Datapower or JMP for data analysis.Ability to autonomously manage tasks throughout the

product life cycle. Excellent written and verbal communication skills. Maintains accountability for actions (ownership of work). Requirements: Basic BS in electrical engineering. 5+ years of experience in Product or Design Engineering. Preferred MS in electrical engineering. 7+ years of experience in Product or Design Engineering. Strong background in reliability, burn-in circuit design, data analysis, automation, cost reduction, and customer support.

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