



Navitas Semiconductor, Inc.

Job Description:

Title: Principal Product Engineer

Reports to: VP of Engineering

In Office / Remote: / Hybrid

Exempt / Non-exempt

Based: Torrance, CA – Corporate Office

Job Purpose:

Navitas Semiconductor (Nasdaq: NVTS) is a high-growth, publicly traded technology company seeking a Principal Product Engineer. The ideal candidate will be self-motivated, energetic, tech-savvy, collaborative, and understands the dynamics of a fast-growing company.

Key Responsibilities and Duties:

- Characterization of new product performance prior to manufacturing release
- Development of engineering database
- Development and monitoring of SPC systems for production products
- Disposition of Wafer sort and Final test
- Yield Enhancement
- Support engineering teams with NPI
- Change control relating to products in production
- Collaborate with reliability / quality team for analysis of RMA Customer returns
- Any and all other duties, as assigned

KSAOs:

- Detailed knowledge of semiconductor product life cycle from post silicon bring up, device characterization, device qualification, pre-production support, release to volume production and product sustenance
- Strong data analytical skills in the evaluation and characterization of power semiconductors
- Experience working with GaN or other compound semiconductor devices strongly desired
- Strong test development skills along with the ability to define hardware/software needs for debug
- Yield analysis and circuit debug experience with 6-sigma quality practices is an asset
- Experience working with a variety of technical projects that relate to product and test engineering, failure analysis, design, yield improvement
- Demonstrated experience with hands-on product characterization methodologies (planning, understanding of measurement techniques and use of lab equipment)
- Understanding of statistical analysis techniques (SPC, CPK, CPU, CPL, etc.)
- Ability to write concise engineering reports
- Strong knowledge of device physics
- Familiarity with industry standard reliability testing and failure analysis
- Electrical and Thermal characterization
- Familiarity with wafer fabrication and packaging process
- Experience in probe and final test operation
- Experience with Datapower or JMP for data analysis
- Experience with automating data analysis
- Demonstrated ability to perform moderately defined tasks relating to all phases of a product life cycle



- Demonstrated ability to define and communicate plans for completing difficult tasks
- Demonstrated ability to autonomously manage a myriad of demands and prioritize effectively
- Excellent written and verbal communication skills
- Maintains accountability for actions (ownership of work)

Requirements:

- Required
 - BS in electrical engineering
 - 8+ years of product engineering experience
- Preferred
 - MS in electrical engineering
 - 10+ years of hands-on experience in the field
 - Strong background in reliability, burn-in circuit design, data analysis, automation, cost reduction, and customer support

Position Qualifies for the Following Compensation

Base Salary: \$135,722.16 - \$195,156.04

Equity Compensation (RSUs)

Personal Performance Bonus

Company Performance Bonus