

Job Description: Characterization Leader

Required Basic Qualifications:

- Strong understanding of electrical circuit analysis, design, and test fundamentals
- Some programming experience in languages such as Basic, C, C++, Verilog and VHDL
- Strong Debug and problem solving skills
- 6+ years of relevant experience

Additional Preferred Qualifications:

- Understand the function and operation of basic test equipment including Power Supplies, Oscilloscopes, Multi-meters, Function Generators, and Logic Analyzers
- Some understanding of differential signaling, transmission line theory, board design
- Understand the function and operation of Spectrum Analyzers, Vector Network Analyzers, and equipment including Data Generators/Analyzers and Clock Modules
- Experience with LabVIEW / LabWindows automation software
- Experience working in a lab environment

Responsibilities:

- Develop unique and sometimes complex bench characterization test methodologies for various IO cells, mixed signal systems – ADC/ DAC, PLL, Serializer/ Deserializers, Cross Point Switches, and High Speed Receiver Equalizer Devices etc in order to determine and verify the device's performance across Manufacturing Process, Voltage, and Temperature combinations for the datasheet parameters.
- Develop and write automated code to control all test equipment during the collection and processing of characterization data which can run up to 24 hours or longer.
- Perform Design Evaluation and Bench Characterization for High Speed Analog Interface devices still in development servicing the Consumer Electronics, Wireless Infrastructure, and Data Communications industries.
- Design and develop circuit boards that maintain excellent Signal Integrity to enable design evaluation and characterization of High Speed Analog Interface devices and Customer Evaluation Modules.
- Provide customer application support.
- Participate with a team consisting of marketing, systems, design, test, and project management to define and drive the successful launch of new products.

Management/Organizational Skills:

- Strong organizational and time management skills are required

Team and People Skills:

- Strong team-building skills and the ability to communicate thoughts and information to individuals of different backgrounds is a must.
- Must enjoy working with test equipment and Device Under Test boards in a lab environment and solving complex problems.