DIGITAL SYSTEM DESIGN ENGINEER

Inova Semiconductors a Munich-based fabless semiconductor manufacturer founded in 1999, designs, markets and sells its products and licensed technologies both directly and through a global network of distributors, heavily focusing on the automotive market. The core competence of Inova resides in the development and marketing of high-speed digital data transmission semiconductor technologies for harsh automotive environments.

APIX™, APIX™2 and APIX™3 are the company's flagship product lines that have delivered major advancements in digital multimedia transmission, particularly in the automotive, industrial and transportation market segments. Inova Semiconductors has recently entered the emerging smart digital LED market under the ISELED™ brand name as member of an open industry-wide alliance.

JOB SUMMARY

- Definition of future digital multimedia data transmission architectures that will be utilized for automotive infotainment devices (APIX3).
- Specification of digital functional modules in English language.
- Development and verification of complex digital circuitries for high speed serial data links with the utilization of state-of-the Art EDA tools.
- Realization of functional performance and reliability requirements.

KEY QUALIFICATIONS

- Degree in electrical engineering/communications engineering or a comparable field of study.
- Work experience in a relevant area would be beneficial.
- In-depth understanding of SERDES and videolink architectures.
- Very good understanding of common video interfaces, such as HDMI, DSI or DP.
- Experience in digital circuit design.
- Knowledge of hardware description languages Verilog or VHDL.
- Knowledge of the C programming language.
- Basic knowledge of one object oriented programming language (SystemC or UVM) would be beneficial.
- Fluent in German and English.

CONTACT

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