

Electronics Engineer

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Company: MAHLE

Location: Suzhou

Category: other-general

Your Roles & Responsibilities

HW development for thermal management module ECU which control cooling pumps/EXV/multi-way valves/SOV etc.

Participation in project specific release decisions and identification of development risks

Create Hardware Architecture, specification, Bill of materials, Schematic, Layout according to system requirement.

Create DFMEA, WCCA, Circuit module simulation.

Build prototypes with SW & SYS, set up test bench and evaluate products.

Create design documentation and test report in PLM system.

Selection and setup of PCBA suppliers for electronics product

Creation of requirements/specification and cooperation with PCBA suppliers

Definition and development of validation plan for both internal and external validations

Close cooperation with pre-development in Stuttgart/Germany

Your Skills & Strengths

Bachelor's degree or above in electrical engineering or comparable major

Min. 5 years of design experience in automotive electronics/hardware

Deep understanding of analog and digital circuit

Familiar with Stepper/BLDC Motor control circuit, LIN/CAN interfaces

Proficient in design tool: Altium Designer, Mathcad, LTspice or similar tool

Proficient in test tool: Oscilloscope, programmable power supply.

Familiar with PLM tool will be a plus.

Familiar with SiC MOSFET/IGBT will be a plus.

Good knowledge of Automotive standards

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