

Electronics Engineer

Descrição da função

- Drive the design and development of analog/mixed-signal circuits, ensuring compliance with performance specifications through discussions and design reviews. Proficient in analog and digital circuit design, including PCB layout, op-amps, A/D converters, microcontrollers, and communication hardware.
- Incorporate mechanical design elements, such as ECU housing, ensuring structural integrity and compatibility with thermal management strategies for optimal durability and reliability. Conduct thermal tests to validate performance under environmental conditions, enhancing product longevity.
- Lead ECU hardware development in line with the defined development process. Configure ECU circuit modules, define inputs/outputs, and generate electrical schematics based on customer requirements.
- Manage BOM and drawings release through internal workflow tools. Conduct EMC testing at the component level for safe project release, and finalize D-FMEA documentation as required.
- Initiate and manage DV/PV test plans, coordinating with the QTL team and compiling test reports for customers. Provide technical support for both quoted and active projects, including customer-specific ECU tests and report generation.
- Develop vehicle testing equipment as required, including switch control boxes, warning lamp boxes, and troubleshooters, to support testing and validation.
- Support the transition from design to manufacturing with expertise in assembly procedures, inspection plans, test fixtures, and field troubleshooting. Ensure manufacturing processes align with design specifications to uphold product quality and reliability.
- Utilize in-depth knowledge of ABS/ESC electrical architecture to negotiate performance specifications with customers and maintain internal documentation. Engage in customer design and technology reviews, ensuring alignment with Continental's roadmap and mitigating timing risks in active projects.
- Provide technical leadership in project-driven environments, championing best practices and fostering a collaborative team culture. Mentor and develop team members to reach their potential, ensuring effective teamwork to meet project milestones. Collaborate cross-functionally on manufacturability, serviceability, and product requirements to deliver robust solutions.

Requisitos

- Bachelor or Master engineering degree, electrical/ mechanical



Identificação da vaga
REF73625U

Local
Jia Ding Qu

Nível de liderança
Leading Self

Modalidade de trabalho
Onsite Job

Pessoa jurídica
Continental Automotive Systems Co., Ltd.

engineering plus

- Electronics System/Product Design and Manufacturing experience plus

O que oferecemos

工作地点： 上海市嘉定区汇荣路100号

100 Huirong Road, Jiading Industrial Zone, Shanghai, P.R.China 201815

Ready to drive with Continental? Take the first step and fill in the online application.

Quem somos

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2021, Continental generated sales of €33.8 billion and currently employs more than 190,000 people in 58 countries and markets. On October 8, 2021, the company celebrated its 150th anniversary.

The Automotive group sector comprises technologies for passive safety, brake, chassis, motion and motion control systems. Innovative solutions for assisted and automated driving, display and operating technologies, as well as audio and camera solutions for the vehicle interior, are also part of the portfolio, as is intelligent information and communication technology for the mobility services of fleet operators and commercial vehicle manufacturers. Comprehensive activities relating to connectivity technologies, vehicle electronics and high-performance computers round off the range of products and services.