

ASIC Analog Design Engineer (m/f/d) - REF79515L

Your tasks

As an Analog Design Engineer (m/f/diverse) you specify, design and implement functional circuit blocks to meet the specifications of an ASIC. You have the opportunity to work on Continental's diverse innovative automotive applications and find optimized solutions for their specific needs. Special care must be taken during design to meet the stringent automotive requirements. Willingness to support the layout of the circuits you designed is desired.

- Participation in feasibility studies for ASIC module functions and specification definition
- Definition of ASIC module functions and requirements based on system level requirements
- Design, simulation and test of analog and mixed signal circuits
- Transistor level circuit design and design documentation
- Design validation and verification
- Development and documentation of test concepts and procedures
- Modelling of analog functionality in high level description language (SystemVerilog, VerilogAMS) based on requirement specification
- Collaboration with digital design, layout, verification, test and application teams
- Collaboration with analog designers in world-wide locations
- Collaboration with external design houses and foundry partners

Your profile

The ideal candidate (m/f/d) will possess the following qualifications:

- Master of Science / PhD in Electrical Engineering / Microelectronics / Physics or similar
- Deep expertise in design, simulation and test of analog and mixed signal circuits using state-of-the-art ASIC design tools (Cadence)
- Knowledge in layout of analog circuits appreciated
- Experience in designing for automotive applications and high volume production processes
- Experience in analyzing and evaluating integrated circuits in lab environment
- Knowledge in semiconductor production processes (manufacturing, testing, failure analysis)
- Planning and organizing skills, ability to take initiative and to communicate effectively, eagerness to grow and develop
- Relevant design experience appreciated
- Very good English language skills (written and spoken), advanced German language skills appreciated
- Ability to work in an international and multicultural environment

Applications from severely handicapped people are welcome.



Job ID
REF79515L

Field of work
Engineering

Location
Ulm

Leadership level
Leading Self

Job flexibility
Hybrid Job

Contact
Daniela Krebs

Legal Entity
Continental Automotive Technologies GmbH

Our offer

The well-being of our employees is important to us. That's why we offer exciting career prospects and support you in achieving a good work-life balance with additional benefits such as:

- Training opportunities
- Mobile and flexible working models
- Sabbaticals
- and much more ...

Sounds interesting for you? [Click here to find out more.](#)

[Diversity, Inclusion &](#)

[Belonging](#) are important to us and make our company strong and successful. We offer equal opportunities to everyone - regardless of age, gender, nationality, cultural background, disability, religion, ideology or sexual orientation.

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

About us

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 2022, Continental generated sales of €39.4 billion and currently employs around 200,000 people in 57 countries and markets.

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.