



## Lead Principal Engineer Electrical Design (m/f/div)\*

### Job description

Infiniteon is recruiting for its team in Cork Ireland. The team is developing product differentiating IP for several markets in Automotive and Internet of Things/Wearables. We are actively seeking a talented Lead Principal Engineer Electrical Design who wants to join a dynamic and experienced team and take their technical knowledge to the next level in our mission of excellence.

As an Lead Principal Engineer Electrical Design you will lead the design of analog IPs that drive and support HMI and Programmable System on Chip (PSoC) devices. You will be part of a dynamic and experienced team and your technical knowledge will lead us to the next level in our mission of excellence.

#### In This Role, You Will

- Play a lead role in the development of HMI and PSoC solutions for the next generation of automotive products;
- Design and verify analog circuits achieving high performance, low power, and efficient implementation;
- Work with architects and system engineers to define IP and product specifications;
- Supervise layout designers to implement circuit designs with best-practice layout techniques;
- Support IP characterization into high volume production.

The successful candidate will have a proven track record in low power, low cost IC design in CMOS.

### Profile

You are best equipped for this role if you have:

- Bachelor/Masters/PhD Degree in **Electrical Engineering** or similar field with a focus on electronics;
- **8+ years** industry experience;
- Extensive **experience with various analog circuits** (sensors, switched-capacitor, ADCs, DACs, Delta-Sigma, PLLs, high voltage circuits, OpAmps, bandgaps, LDO's, Oscillators, etc);
- Understanding of **system specifications and working with product architects** to translate product requirements into circuit requirements at IP level;
- Proven **expertise in CMOS product development**;

### At a glance

Location: **Cork (Ireland)**  
Job ID: **339278**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **339278**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

**Daniela Ferreira**  
Talent Attraction Manager



- The ability to **resolve cross-functional technical issues** with system architecture, technology development, modelling, product engineering, and applications groups;
- A deep **understanding of analog IP development, chip integration, floor planning, physical design, and verification**;
- The ability to work both as an individual and as part of a team to **deliver complex IPs** starting from the creation of the spec, design, verification, and finally high volume productization is a strong requirement;
- As an experienced designer, an important part of your work will be **mentoring and coaching junior engineers** on mixed-signal design best practices. At Infineon the career development of our engineers is very important.

## Why Us

**Part of your life. Part of tomorrow.**

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

**Automotive (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –**

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality. [Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

**Automotive Microcontroller: We make cars clean, safe and smart**

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

**#AutomotiveMicrocontroller**

*\* The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

