



## Staff Engineer - Analog Mixed Signal Design

### Job description

Our Power & Sensor Systems division is looking for a Staff Engineer, Analog Mixed Signal Design to take charge of Analog IP developments such as high voltage startup circuit with JFET or Depl-MOSFET, sigma-delta ADC, class AB driver, pulse/coreless transformer transceiver and DCDC converter (Boost, Buck, Buck-Boost, Charge-pump and etc) with emphasis on high voltage AC/DC applications.

In your new role you will:

- Take charge of **Analog IP developments** such as **high voltage startup circuit with JFET or Depl-MOSFET, sigma-delta ADC, class AB driver, pulse/coreless transformer transceiver and DCDC converter (Boost, Buck, Buck-Boost, Charge-pump and etc) with emphasis on high voltage AC/DC applications.**
- Hands-on in **Analog Mixed Signal IC Design**, good knowledge in high voltage and high driving current design, ESD & Latch-up will be an added advantage.
- Good knowledge in **power semiconductors (SMPS) systems, technologies, topologies and applications.**
- Responsible in **advising layouts on chip /IP layout** for optimal performance and able to develop re-usable Analog IP.
- Drive and deliver **IC design-related documentations** and design reviews.

### Profile

You are best equipped for this task if you have:

- Degree in Electrical & Electronic Engineering with min. 5 years of relevant experience.
- Excellent Analog Mixed Signal IC Design knowledge.
- Added advantage if candidate has past technical patents and publications in related area ( Analog Design / ACDC SMPS IC/Systems )
- Added advantage if candidate possess **in depth knowledge of ADCs, charge pumps, LDOs, drivers, HV-technology experience, oscillators.**
- Solid understanding in state of the art **IC development flow/methodologies /tools.**
- Strong teamplayer, detail , good communication and presentation skills at all levels, results-oriented, innovative

### Why Us

#### At a glance

Location: **(Singapore)**  
Job ID: **346765**  
Start date: **as soon as possible**  
Entry level: **3-5 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: **346765**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



**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.

*In accordance with the requirements set by the Singaporean Government, Infineon Technologies Asia Pacific Pte Ltd (“Infineon”) can only allow individuals who are (a) fully vaccinated, (b) certified to be medically ineligible for a vaccine or (c) have recovered from COVID-19 within a prescribed period, onto company premises. Therefore, Infineon requires all new employees, as well as contractors and business partners, to be fully vaccinated against COVID-19. “Fully vaccinated” means individuals have completed the full regime of an approved COVID-19 Vaccine as listed under the World Health Organization (WHO) Emergency Use Listing (EUL) including the respective post-vaccination period to ensure the vaccine has become full effective. Anyone who is unable to be vaccinated due to an approved and/or recognised exemption condition may apply for special consideration.*

