

Mixed Signal IC Design Engineer (Timing)

Reference No. DET202206-01

Job Highlights

- Design for low jitter timing solution
- Submicron CMOS tech
- B.S.E.E required

Job Description

Responsibilities

- Design, simulate and verify analog and digital circuit for ultra-low jitter PLL, PFD Link, digital filter, Fraction N divider, and high performance output buffer using deep submicron CMOS process technology.
- Understand design specifications and product architecture, create and perform top level simulation with appropriate modeling.
- Supervise physical layout work.
- Work with test engineering and product engineering for product characterization and post silicon verification, provide occasional customer support.
- Create and maintain documentations for the related projects.

Requirements

- B.S.E.E required, M.S.E.E. or above preferred.
- Solid knowledge in high performance CMOS mixed signal circuit design.
- Familiar with low jitter PLL, DPLL, LCPLL design is a plus.
- Familiar with IC development and layout verifications tools, e.g., Cadence tool set, Hspice simulation tools, Matlab and etc.
- Good in oral and written Chinese and English. Fluent in Mandarin is a plus. Good communication and interpersonal skill.
- Ability to work as a team and work proactively.

Interested parties, please send application letter and full resume with date of availability, current and expected salary to HR Department at hko1_general@hk.diodes.com . Please also quote the reference number on the application.

Personal data provided will be treated in strict confidence and used for recruitment purpose only. Only shortlisted candidates will be notified. Applicants not invited for interview within eight weeks from the date of job advertisement may consider their applications unsuccessful.

Company Overview

Diodes Hong Kong Limited (DHK: <https://www.diodes.com>) is a leading development of high-speed, high voltage mux and repeater using in serial connectivity protocols applications and timing solution for the consumer electronics, computing, communications, industrial, and automotive markets. Diodes Incorporated, the holding company of DHK, is a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic, analog and mixed-signal semiconductor markets.