

Mixed IC Design Engineer (HPI)

Reference No. DEH202206-01

Job Highlights

- Design for high performance serial connectivity
- SiGe & submicron CMOS tech
- B.S.E.E. required

Job Description

Responsibilities

- Mixed-Signal IC Design.
- Design, simulate and verify analog and digital circuits for high performance serial connectivity with high performance SiGe and submicron CMOS technology.
- Create and verify the high level model in Matlab/VerilogA to describe system design / architecture.
- Work with Project Leader. Supervise layout work. Work with product/test/application teams for product characterization, post silicon verification and Customer support.
- Create and maintain documentation for the related Projects.

Requirements

- B.S.E.E. is required, M.S.E.E. is preferred.
- Solid knowledge in CMOS/SiGe analog/digital signal circuit design.
- Familiar with SerDes architectures and block design, e.g. CTLE, DFE, VGA, CDR and PLL, is a plus.
- Familiar with IC development and layout verifications tools, e.g., Cadence schematic/layout/PVS, Spectre RF, Hspice, Matlab and etc.
- Good communication and interpersonal skills, while being motivated to take the initiative to drive for results and closure.
- Good in oral and written Chinese and English. Fluent in Mandarin is a plus.

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.