

# Job Notification Form, IIT Delhi

## Company Overview

**Name:** MaxLinear Technologies

**Website:** [www.maxlinear.com](http://www.maxlinear.com)

**Company Type:** Core (Technical)

**Description:** Company Overview  
MaxLinear is a global, New York Stock Exchange-traded company (NYSE: MXL) where the entrepreneurial spirit is alive and well. We are a fabless system-on-chip product company, striving to improve the world's communication networks for everyone through our highly integrated radio-frequency (RF), analog, digital, and mixed-signal semiconductor solutions for access and connectivity, wired and wireless infrastructure, and industrial and multi-market applications.

We hire the best people in the industry and engage them in some of the most exciting opportunities that connect the world we live in today. Our growth has come from innovative, bold approaches to solving some of the world's most challenging communication technology problems in the most efficient and effective manner.

MaxLinear began by developing the world's first high-performance TV tuner chip using standard CMOS process technology. Others said we couldn't achieve the extremely high-performance requirements using CMOS, but we proved them wrong and achieved enduring global market leadership with our designs. Since then, we've developed a full line of products that drive 4G and 5G infrastructure; enable data center, metro and long-haul optical interconnects; bring 10Gbit to the home; power the IoT revolution; and enable robust and reliable communication in harsh industrial environments. Over the years, we've expanded through organic growth and through several acquisitions that have perfectly complemented our existing portfolio and enabled us to deliver complete end-to-end solutions in our target markets. One such example was the acquisition of Intel's Home Gateway Platform Division that added Wi-Fi, Ethernet, and Broadband Gateway Processor SoC technology to our connected home portfolio creating a complete and scalable platform of connectivity and access solutions to fully address our customers' needs.

Our headquarters are in Carlsbad, near San Diego, California. We also have major design centers in Irvine and San Jose, California; Vancouver, Canada; Valencia, Spain; Bangalore, India; Villach, Austria; Munich, Germany; Israel; and Singapore.

We have approximately 1,500 employees, a substantial majority of whom have engineering degrees and include masters and Ph.D. graduates from many of the premiere universities around the world. Our employees thrive on innovation, outstanding execution, outside-the-box thinking, nimbleness, and collaboration. Together, we form a high-energy business team that is focused on building the best and most innovative products on the market

# Job Details

**Designation:** Senior ASIC Engineer or Sr. ASIC PnR/DFT Engineer

**Type:** Core (Technical)

**Place of Posting:** Bangalore

**Job Details:**

- The Digital Design group architects and implements digital signal processing, communication interfaces, power management in applications in communication, storage, networking domains.
- The design activity requires understanding of digital communication systems, digital design fundamentals and knowledge of CMOS logic fundamentals.
- Design elements consist of development of filters, demodulator components and custom digital signal processors and integration of embedded processors for multi-CPU SOC environments
- Involve in realizing the millions of gates or billions of transistors and work closely with cutting edge process technology.
- Involve in SCAN, MBIST and ATPG insertion for testing the devices
- Involve in Synthesis, STA and PnR to realize HDL language into actual implementation to meet performance/power and area needs
- Post implementation they perform signoffs like electrical, physical (manufacturing) and timing before handing over data to foundry. Team also involved in process technology evaluation as well as post silicon issues

**Joining By:** 1 August 2022

## Salary Details

**CTC:** 1,600,000 INR Per Annum

**Gross:** 1,523,680 INR Per Annum

**CTC Breakup:**

Component Description	Annual ₹	Annual ₹
Take Home Components Basic	₹ 636,000	₹ 696,000
House Rent Allowance	₹ 254,400	₹ 278,400
Leave Travel Allowance	₹ 79,500	₹ 87,000
Flexible Allowance	₹ 198,000	₹ 198,000
Special Allowance	₹ 355,780	₹ 407,080
Total Base Salary	₹ 1,523,680	₹ 1,666,480
Retirement Benefits PF - Company Contribution	₹ 76,320	₹ 83,520
CTC Fixed Cost to the Company per Year	₹ 1,600,000	₹ 1,750,000

**Perks / Bonus:** 15% of Gross

**Bond:** Yes

## Selection Process

**Resume Shortlist:** Yes

**Written Test:** No

**Online Test:** Yes

**Group Discussion:** No

**Medical Test:** No

**Personal Interview:** No

**No. of Rounds:** 2

**No. of Offers:** 4

## Eligibility

**Recruiting PHDs:** No

**Eligible Departments:** M.Tech in Communications Engineering, M.Tech in Control & Automation, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Power Electronics, Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Radio Frequency Design & Technology, M.Tech in Telecommunication Technology & Management, M.Tech in VLSI Design Tools & Technology, M.S.(R) in Electrical Engineering, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Telecommunication Technology and Management