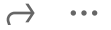# MTS Silicon Design Engineer

AMD · Santa Clara, CA (On-site) · 1 week ago · 40 applicants

💼 $138,400/yr - $207,600/yr · Full-time · Mid-Senior level

🏢 10,001+ employees · Semiconductor Manufacturing

👥 31 connections · 71 company alumni · 11 school alumni

✅ Skills: Application-Specific Integrated Circuits (ASIC), RTL Design, +8 more

Easy Apply   **Saved**

PREMIUM

Meet the hiring team

Patrick Harrington 2nd
Talent Acquisition Partner at AMD
Job poster
31 mutual connections

Message

About the job

WHAT YOU DO AT AMD CHANGES EVERYTHING

We care deeply about transforming lives with AMD technology to enrich our industry, our communities, and the world. Our mission is to build great products that accelerate next-generation computing experiences – the building blocks for the data center, artificial intelligence, PCs, gaming and embedded. Underpinning our mission is the AMD culture. We push the limits of innovation to solve the world's most important challenges. We strive for execution excellence while being direct, humble, collaborative, and inclusive of diverse perspectives. This is who we are at our best. One Company. One Team.

AMD together we advance_

PHYSICAL DESIGN ENGINEER - 069

The Role

The focus of this role is to drive Physical design of critical Graphics blocks on latest architectures, and achieve PPA by exploring improvements to RTL and Physical design methodologies.

THE PERSON:

You have a passion for pushing PPA on latest technology nodes and for Physical Design in general. You are a team player who has excellent communication skills and experience collaborating with other engineers located in different sites/timezones. You have strong analytical and problem-solving skills and are willing to learn and ready to take on problems.

KEY RESPONSIBILITIES:
- Own Physical design and PPA attainment for critical Graphics blocks

- Tasks to include RTL Synthesis, Placement, Clock tree synthesis, Optimization, Routing, Parasitic Extraction, Static Timing Analysis, IR drop analysis, Physical Verification and Sign Off
- Work closely with RTL designers to analyze critical bottlenecks that impact PPA.
- Identify complex technical problems, break them down, summarize multiple possible solutions, and lead the team in the right direction
- Drive and hands-on flow development and scripting
- Technical lead of three to five senior level engineers

PREFERRED EXPERIENCE:
- Over 6 years experience with MSEE or MSCE in ASIC Physical Design from RTL to GDSII
- Excellent analytical and problem solving skills along with attention to details
- Strong background in RTL analysis, Timing and Physical Design closure.
- Hands on experience in taping out 7nm, 10nm, 16nm, 28nm, 32nm, and/or 40nm SOCs
- Working experience on CAD tools from Synopsys, Cadence and Mentor Graphics
- Strong communication, Time Management, and Presentation Skills
- Must be a self-starter, and be able to independently and efficiently drive tasks to completion
- Ability to provide mentorship and guidance to junior and senior engineers, and be an effective team player

ACADEMIC CREDENTIALS:
- Bachelors or Masters degree in computer engineering/Electrical Engineering

At AMD, your base pay is one part of your total rewards package. Your base pay will depend on where your skills, qualifications, experience, and location fit into the hiring range for the position. You may be eligible for incentives based upon your role such as either an annual bonus or sales incentive. Many AMD employees have the opportunity to own shares of AMD stock, as well as a discount when purchasing AMD stock if voluntarily participating in AMD's Employee Stock Purchase Plan. You'll also be eligible for competitive benefits described in more detail here.

AMD does not accept unsolicited resumes from headhunters, recruitment agencies, or fee-based recruitment services. AMD and its subsidiaries are equal opportunity, inclusive employers and will consider all applicants without regard to age, ancestry, color, marital status, medical condition, mental or physical disability, national origin, race, religion, political and/or third-party affiliation, sex, pregnancy, sexual orientation, gender identity, military or veteran status, or any other characteristic protected by law. We encourage applications from all qualified candidates and will accommodate applicants' needs under the respective laws throughout all stages of the recruitment and selection process.

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Member of Technical Staff, Santa Clara, CA

🔔 Set alert

Employer-provided

Pay range in Santa Clara, CA

Exact compensation may vary based on skills, experience, and location.

Base salary
$138,400/yr - $207,600/yr

Put your best foot forward with your application

Hire a resume writer

Get a resume review

See how you compare to other applicants

Top applicants

50% You're in the **top 50% of 40 applicants** based on your LinkedIn profile
40 Applicants -
0 Applicants in the past day

To maximize your chances of getting this job, be sure to update your profile with the most relevant skills

Most common applicant skills

You have **5 out of the 10 most common skills** among all other applicants

- ✅ MATLAB
- ✅ Very-Large-Scale Integration (VLSI)
- ✅ Python (Programming Language)
- ⚪ Cadence Virtuoso
- ⚪ Application-Specific Integrated Circuits (ASIC)

- ✅ C (Programming Language)
- ✅ C++
- ⚪ Verilog
- ⚪ Field-Programmable Gate Arrays (FPGA)
- ⚪ VHDL

Applicant seniority level

24 Entry level applicants

9 Senior level applicants

Applicant education level

75% have a Master's Degree (Similar to you)

13% have a Bachelor's Degree

10% have a Doctor of Philosophy

2% have other degrees

Applicants are in these locations

10-15 applicants ✓
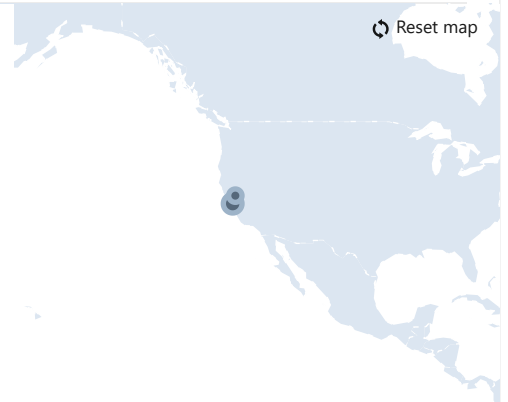San Francisco Bay Area

1-5 applicants
Greater Sacramento
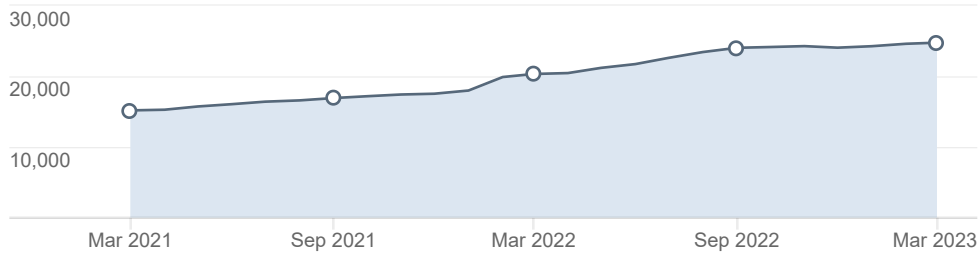
1-5 applicants
New York City Metropolitan Area

↻ Reset map

Median employee tenure · **2.3 years**

AMD hires candidates from some of these companies and schools

AMD hired 71 people from Western Digital. **See all**

AMD hired 11 people from Ira A. Fulton Schools of Engineering at Arizona State University. **See all**

Engineering hires at AMD came from these companies and more.

Engineering hires at AMD came from these schools and more.

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About the company

AMD
1,051,596 followers

✓ **Following**

Semiconductors • 10,001+ employees • 24,795 on LinkedIn

For more than 50 years AMD (NASDAQ: AMD) has driven innovation in high-performance computing, graphics, and visualization technologies. AMD employees are focused on building leadership high-performance and adaptive products that push the boundaries of what is possible. Billions of people, leading Fortune 500 businesses, and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work, and play. ...show more

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Wath upon Dearne, England, United Kingdom

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Manpower UK
Carrickfergus, Northern Ireland, United Kingdom

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New

Corporate Structured and Leveraged Loan Documentation...
JAC Group
London, England, United Kingdom

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New

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Tesco Team Manager - Leeds Superstore

Tesco Colleague - Stroud Superstore

Area Sales Specialist Diagnostics - Microbiology

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Flemish Region, Belgium
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Tesco
Redhill, England, United Kingdom

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IKEA
Madrid, Community of Madrid, Spain

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Tesco
Old Alresford, England, United Kingdom

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New

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Tesco
Shoreham by Sea, England, United Kingdom

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