

About MPS

Monolithic Power Systems, Inc. has emerged as the fastest-growing semiconductor company by developing superior products, providing excellent support, and aiding the world's largest companies with their product development. We are creative thinkers, we break boundaries. With over 3.400 employees worldwide, MPS's diverse product portfolio includes over 4,000 products ranging from power conversion systems, power modules, precision analog, μ Controllers, motor drivers, position sensors and many more.

Job summary

As a Intern at the Applications Engineering Team, you will work with MPS Automotive products. You will be supporting the evaluation and validation of components and board designs.

Some of your responsibilities will include, but will not be limited to:

- IC validation and characterization, optimization and automatization of existing measurements and test concepts. Characterization of key product parameters using laboratory instruments (oscilloscope, spectrum analyzer, pattern generator...).
- PCB layout of evaluation boards, characterization/validation boards and system demonstrator.
- EMC performance testing.
- Collaborate with application engineers to verify MPS products regarding electrical parameters. Create the necessary designs and collaterals. Identify and drive device improvements.

Qualifications

- Pursuing a Bachelor or Master Degree in Electrical Engineering, Computer Engineering, Electrical and Computer Engineering or related field.
- First experience in the space of switched mode power supplies, loads switches, linear regulator, motor drivers etc...
- Hardware bench experience in power electronics and experiences with test equipment (i.e, power supplies, multimeters, oscilloscopes etc ...)
- Basic understanding of schematics, layouts and laboratory equipment to analyze analog circuits
- Motivated, open minded, rigorous, out-of-the-box thinker.
- Ability to work in teams and collaborate effectively with people in different functions.
- Able to take the initiative and drive for results.
- Fluent communication skills in English.

What we offer

- **Competitive Salaries, Performance-Related Bonus Plans, and Long-Term Stock Incentive Plans**
We believe in taking care of our employees and ensure this by offering comprehensive and attractive compensation packages.
- **Diverse Career Development & Promotion Opportunities**
Multicultural Team & We believe in adapting quickly and efficiently to the ever-changing face of consumer needs and this means that your job responsibilities will also be constantly evolving. Coming to work will never cease to be challenging!
- **Open Communication Culture**
We pride ourselves in our ethnic diversity. This means that you will be exposed to different ways of thinking and getting things done.
- **Leading & Advanced Technology**
Since we are the leaders in Power Solutions, you will learn from some of the most talented people in the industry.

Start: Q4/2025

Period: 6 months

Location: Ettenheim (MPS Germany GmbH, Gutenbergstrasse 4, D-77955 Ettenheim)

What to do?

If you are interested and would like to learn more about this opportunity, please send an email to Eujob@monolithicpower.com, mentioning:

- Name and Surname
- Degree (eg; MS in Electrical Engineering) expected graduation year
- Current university
- Formula Student Team (if applicable)