Working at Eta Wireless

Eta Wireless is solving the fundamental power challenges in the mobile communications industry. Today’s smartphones, wearables and Internet of Things (IoT) devices are highly energy inefficient and typically waste most of the power consumed as heat. Our game changing technology, ETAdvanced, dramatically reduces energy consumption to significantly extend the battery life of all wireless communication devices. Unlike legacy power management technologies, ETAdvanced supports new gigabit communication standards for LTE Advanced, 5G and WiFi. With ETAdvanced, running out of power becomes a thing of the past.

Based on breakthrough research by two MIT professors, Eta Wireless is headquartered in Cambridge, MA, USA. The founders of Eta Wireless previously built Eta Devices, a company providing proven power management solutions for mobile base stations that was acquired by Nokia in October 2016.

Based on strong market traction, we are looking to expand our technical team with outstanding talent. At Eta Wireless, you get to work together with some of the smartest people in the industry to push the boundaries of power management for wireless communications. We thrive on solving problems that matter and making a lasting impact. We are not looking for people seeking comfortable 9-to-5 office jobs; we are looking for people who are passionate about changing the world – people who can imagine the future and who possess the talent and drive to create the future.

We are a young company with a culture that is dynamic, innovative, fast-paced and performance-oriented. We offer competitive packages to attract the best global talent.

For any career inquiry, please contact careers@etawireless.com
**Job description: PMIC Design Engineer**

Working as a key member of the hardware Engineering team, you will be responsible for all aspects of the power management product development including: product specification, simulation, design, layout, verification, silicon validation, and introduction into manufacturing.

Responsibilities for the position include the design of analog, mixed signal and power converter circuits and blocks targeting advanced power management solutions. Expertise in a variety of DC/DC converter architectures and other analog blocks is required. Experience in power management design specifically for RF subsystems or RF envelope tracking systems is also desirable.

You will work in collaboration with the hardware and systems team to define the products specification. The end-to-end design phase responsibilities include the semiconductor process selection, top-level simulation and verification, ESD compliance, overseeing circuit/block level layout, IC debug and characterization, silicon validation, and integration into the complete solution.

**Qualifications**

- **Background/requirements:** Experienced BSEE/MSEE/PhD Engineer with demonstrated ability to develop analog design blocks in Silicon (taped out, working, proven hardware design blocks shipping in product). Mobile device industry experience preferred.
- **Expertise with a wide range of DC/DC converter architectures.**
- **Hands-on experience with testing and troubleshooting designs in the lab, test equipment and measurement control (high-speed oscilloscope, spectrum analyzer, dynamic current and voltage measurement).**
- **Primary tools:** Cadence analog design flow Virtuoso/ Spectre/AMS/etc and Matlab
- **Experience working with foundry device technologies, wafer options, and device models.**
- **Experience designing for reliability, automated test/trim, directing layout, device packaging, and thermal management.**
- **Specific knowledge of techniques for noise mitigation/reduction, PVT compensation, and design for test in the context of mobile PMIC.**
- **Design or definition of external digital interface (e.g. RFFE, SPI) and digital PMIC state machine.**
- **Exceptional organizational skills: planning, documenting, follow-through, ability to manage details.**
- **Ability to learn and explore new technology areas and applications in a start-up environment**

Eta Wireless offers an exceptional compensation plan including equity and a competitive benefits package. Interested candidates are invited to send their resume and cover letter to careers@etawireless.com