

Graduate Electronics Engineer, Harlow
£24k - £30k Depending on experience, 20 Days' Holiday + Bank Holidays

Description

Exciting new design role in a fast-paced Automotive manufacturing business. Our products are recognised globally as market leaders in the field of automotive lighting, and we strive to innovate and deliver world class lighting solutions to a rapidly evolving customer base.

As a recent Graduate, in an Electronics Engineering degree (MS, BS) you will have already had minimum of one year in industry, with a role in Electronics Engineering either before or during University.

The ideal candidate would be familiar with High Power LED lighting circuit design with a good understanding of EMC. You would provide support for the sourcing and specification of all electronic components used within the products, and you would play an important role with integrating new technologies into our expanding product range. The ability to design, generate, interpret and understand PCB layouts and Gerber files is an essential part of the role, while an understanding of embedded systems programming would be an advantage.

The role requires you to become an advanced user of Altium, so a keen interest in the area of PCB and Circuit design is essential.

Requirements of the role:

- Minimum of 1-year related experience with high power LED circuits or DC/DC switching regulators (Buck, Buck-Boost, Boost... topologies).
- Schematic capture and PCB design knowledge (experience of using ECAD design software such as Altium).
- Familiar with PCB EMC techniques (filters, planes, coupling and shielding), Signal Integrity and Power Distribution Network.
- Design of PCBs rigid and flexible.
- Develops PCB layout solutions according to electrical, mechanical, and manufacturability constraints (familiarity of IPC standards) using the CAD tools available.
- Support the release of Gerbers and all PCB documentation to prototype and production PCB board manufacturers. Collaborate with Printed Circuit Board (PCB) layout and fabrication vendors to ensure prototype meets design intent.
- Manage circuit board BOMs within our inventory planning software, and coordinate changes in accordance with our change management systems.
- Collaborate with team members to test and document the circuit design to ensure program objectives are met.
- Experience conducting electrical design verification tests against requirements based on worst case tolerance, stress calculations, temperature effects, and safety and regulatory requirements

Education:

Minimum 2:1 degree BS - Electrical Engineering, MS - Electrical Engineering preferred.

To apply, please submit your CV and a cover letter to: eduard@lazerlamps.com.

Working hours 8am - 5pm Monday to Thursday. 8am - 3.30pm Friday.

Overtime available at 1.5 x basic