



PHOENIX SYSTEMS UK LTD

# ELECTRONIC DESIGN ENGINEER

We're looking for a full time Electronic Design Engineer to join our Engineering Team at our Fareham Head Office.

Phoenix Systems UK Limited are your PCB, and contracted electronics turnkey solutions provider, for the manufacture of electronic equipment and printed circuit board assemblies, to the aerospace, defence, medical, transport, automotive, education and industrial sectors.

**If you're interested, submit your CV today!**

All applicants are required to email their CV to:  
[marka@phoenixsystemsuk.com](mailto:marka@phoenixsystemsuk.com)



# ELECTRONIC DESIGN ENGINEER

The Electronic Design Engineer reports to the Engineering Manager and is responsible for designing and optimising PCB schematics and layouts, ensuring manufacturability, performance, and compliance with customer and industry requirements.

The role works closely with our customers and internal account managers to transform the customers' design requirements and ideas into production ready solutions. Coordinating with purchasing and production to source components and build prototypes, ensuring a smooth transition to production. Providing Product Engineering with the necessary documentation and technical support to facilitate full-scale production. Interfacing with quality to investigate and resolve any issues that are related to Phoenix or customer PCB designs.

## What you'll do:

- Develop and optimise PCB schematics and multilayer layouts for manufacturability and performance.
- Review and select suitable components for electronic designs.
- Specify PCB fabrication requirements, including copper weight, core materials, and solder mask types.
- Create assembly instructions, highlighting any special build requirements.
- Work with production teams to resolve design-related assembly challenges and improve DFM/DFT.
- Support other areas of the business as needed.



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## Qualifications & Requirements

- Strong expertise in PCB schematic capture and layout for design is essential.
- Degree level qualification in electronics is essential.
- Experience in using ECAD tools is essential (preferably Altium or Fusion/Eagle).
- Understanding PCB trace routing, impedance control, and material selection for digital circuit performance and reliability is essential.
- Experience in designing for EMC compliance, including layout best practices and mitigation techniques, is important.
- Appreciation of project planning is important.
- Understanding electronic enclosure selection or design requirements is important.
- Experience in electronic manufacturing is desirable.
- Basic knowledge of embedded firmware would be beneficial.

## What you'll bring:

- Record keeping
- Time management and planning.
- Proficiency in schematic capture and PCB layout methodologies using Altium, Fusion/Eagle, or equivalent ECAD tools.
- Commitment to robust version control and change management.
- Strong communication and collaboration skills.

## Why Phoenix Systems?

We are a family run business with over 20 years of experience and competence in the PCB, PCBA, electronics manufacturing and turnkey box build assembly facility, always embracing and investing in the latest cutting edge technology.

- Perks at Work membership providing 100s of discounts with a range of brands
- Pension Scheme
- Maternity/ Paternity packages
- Early finish Friday
- 24 Days Holiday with the ability to buy up to an extra 5 days holiday
- Employee referral bonus
- Free parking