



Job Description

Position:	PCB Design Engineer
About the Company, and working environment:	<p>CyanConnode is a world leader in narrowband radio frequency (RF) Smart Mesh Networks, headquartered in Cambridge UK, with subsidiaries in India and Sweden.</p> <p>CyanConnode is an equal opportunity employer, and we take pride in the diversity of our employees, valuing the special experience and expertise that people from diverse cultures and backgrounds bring to our business. We are a global organization with employees from different countries and backgrounds in the UK and India. The ability to develop ground-breaking technologies is one of our key assets and our people make it happen. Open plan office with excellent facilities, adjacent to the world-renowned Science Park in Cambridge, with access to private meeting rooms and private car parking, and hybrid working environment.</p>
Directly reports to:	Hardware Team Lead
Direct reports:	None
Regularly interacts with:	<p>Hardware and Operations departments Software Team CyanConnode India Team</p> <p>External: Test Labs / Accreditation facilities. Suppliers / CEM's / Vendors</p>
Primary location:	CyanConnode UK Office, Cambridge
Travel requirements:	Occasional visits to external Suppliers / CEMs / prototype house / test labs as needed.

Role description:	<p>CyanConnode is currently seeking a PCB Design Engineer to join their Hardware team, based in Cambridge, near the Science Park.</p> <p>This opportunity would be ideal for a PCB Design Engineer with 5-7 years of work experience in designing complex PCBs for RF and industrial applications. This would suit any individual looking for the opportunity to play a key role in the growth of a fantastic business.</p>
Primary responsibilities will include:	<p>This role requires a hands-on, practical PCB Design Engineer with knowledge and experience in the following areas:</p> <ul style="list-style-type: none"> • Supporting the team in the delivery of development projects. • CAD Schematic Entry / PCB Layout • CAD Library Management - Parts Creation / Footprints Creation / Database Administration • PCB Lifecycle Management • PCB Volume Manufacturing Transfer • Design Version Control Management • Dealing with technical queries for designs from suppliers. • Knowledge of Altium designer. • DFM, DFT experience for medium and/or high-volume product manufacturing. <p>The candidate may also be called on to support the Manufacturing Operations teams as and when required.</p>
Experience and skills required:	<p>The following skills and capabilities will be needed for the selected candidate:</p> <ul style="list-style-type: none"> • Consulting with Hardware Engineers to create schematics and PCB layouts for CyanConnode products. • Proficiency in Altium Designer for Schematics Capture and PCB Design - essential. • Experience of PCB Design for - <ul style="list-style-type: none"> ○ sub-GHz RF design for SigFox / LoRA / Zigbee / RFID / IOT devices or similar - essential. ○ Power Supplies - Buck / Boost / Buck-Boost DC-DC type designs - essential. ○ AC/DC Power Supplies - desirable. ○ Cellular Modems and modules for 2G/3G/4G/5G technology - essential. ○ High-Speed interface design for USB2/3 and 10/100/1000M Ethernet - essential. ○ Antenna design for sub-1GHz RF modules - desirable. • Experience in working with multilayer PCB stack-ups for high-speed and/or RF based designs - essential. • Experience of DFM/DFT for medium (100K+) / high volume (1M+) manufacturing - essential. • Creating Manufacturing Data Packs for suppliers for PCB designs - essential • Writing Test Reports / Technical documentation - essential. • Diligence and good problem-solving skills - essential.

	<ul style="list-style-type: none"> • Working with version control tools like Git, Gitlab, SVN (or similar) - desirable. • Working with planning tools like Jira, Trello (or similar) - desirable.
Personal attributes:	<ul style="list-style-type: none"> • Analytical with solving focused attitude. • Flexible; able to work in a small team, or individually as required. • Willingness to learn and looking to progress in role. • Effective communication skills in dealing with external parties such as test labs and contract equipment manufacturers. • Ability to get on with a task and take it to completion once shown how to perform it. • Ability to show initiative.
Working environment:	<ul style="list-style-type: none"> • Hybrid Home/office environment with meeting rooms, whiteboards, and projector • Candidates based out of Cambridge/who can move to Cambridge are preferred.
Qualifications:	<ul style="list-style-type: none"> • Bachelors or Master's Degree in relevant fields • HND in relevant fields • Good understanding and use of PC software • MS Office-based tools
Benefits:	<ul style="list-style-type: none"> • Share options. • 25 days annual leave • Private health insurance plan (currently BUPA) • Pension scheme with employer contributions • Life cover (3x salary)
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