

To apply for this job, please submit your resume to jobs@rtl-corp.com

Electronics PCB Design Engineer

Location : 97 Highbury Road, Burwood 3125, VIC, Australia

Full Time

Rectifier Technologies is a global, high-tech company specialising in innovative design and manufacturing of medium and high power conversion modules and systems which service the industrial controls, public utility, mining, telecommunications, and Electric Vehicle (EV) charging markets. We are seeking an experienced Electronics PCB Design Engineer for our Research and Development department. This person will be integral in the expansion of the company's switch mode rectifiers (AC/DC), controllers, and the associated system peripherals.

The applicant must list in a cover letter their demonstrated experience and proficiency in all the following items:

Must have experience in:

- Schematic capture and PCB layout in ALTIUM for Microprocessor Controllers and Power Electronics designs.
- Documentation of BOM, test procedures and work instructions
- The management of components and design information in ERP systems.
- The management of ALTIUM component libraries and design file repositories.
- Designing multi-layer, high speed and high-density PCB layouts

Desirable to have experience in :

- Hands-on Power Electronics with experience working on equipment above 2kW.
- Circuit design and simulations to include power train, control loops, and interface circuits via analogue and digital components
- Mechanical design in AUTOCAD/SOLIDWORKS
- Construction of switch-mode power supply and controller prototypes
- Construction of test rigs and system racks
- Prototype operation, testing and basic troubleshooting
- Product testing and qualification (including EMC/RFI and UL)

Other requirements:

- Level of experience required 5 to 10 years. This is not a junior or senior role.
- Bachelor of Science Electrical Engineering (4 years) or higher / equivalent experience
- Must be a self-starter, be a team player but require minimal supervision

Must have a visa to work in Australia prior to application.