

Job Title:	Electronics Engineer – NPI	Position Type:	Permanent, Full-time
Location:	Melksham	Grade:	M
Department:	Engineering	Closing Date:	21/12/18
Job Description:			
Purpose of position:	<ul style="list-style-type: none"> • Electronics PLM and configuration management. • Work with the electronics NPI team performing integration testing on prototypes. • Design and document complex printed circuit boards conforming to IPC and industry standards from schematics, parts lists, and requirements supplied by various engineering disciplines. 		
Training / education:	<ul style="list-style-type: none"> • Degree level in Electronics Engineering preferred. • Candidates with practical and proven experiences working in PCB layouts will also be considered. 		
Professional experience and / or qualifications:	<ul style="list-style-type: none"> • A minimum of 5 years recent practical design experience in complex, double sided and high-density PCB design. • IPC Certified Interconnected Designer Qualified (CID or CID+). • Direct experience with the Mentor Graphics PCB design suite is preferred. • Experience in any of the following PCB design tools: CADSTAR, Altium, Cadence Allegro is desirable. 		
Additional skills and requirements (IT, languages, extensive travel, etc.):	<p>Essential:</p> <ul style="list-style-type: none"> • Expert in the PCB design process: schematic capture, layout, generation of design files, BOMs, and release and revision control to ERP. • Creation of complex high density multi-layer layouts from schematics. • PCB outline, layer setup; component placement and signal routing. • Ability to work across multi development locations and interfacing with external library management team. • Experience of working within a formal product development lifecycle and a multi-disciplined development team. • Strong interpersonal skills. • Strong communication skills: oral, written and presentation. <p>Desirable:</p> <ul style="list-style-type: none"> • Electronics & EMC design principles and effects on PCB layout. • Windchill, CADIM or similar PLM system. • PCB Librarian work - creation of component symbols and layout footprints. 		
Financial responsibility:	N/A		

Key indicators:	N/A
Responsibility for personnel:	None direct, 3rd party resources.
Indicative main responsibilities / duties (5-9 key outputs):	
<ul style="list-style-type: none"> • Maintain engineering configuration of electronic products and incorporate engineering changes received from designers and engineers. • Work directly with engineers to prepare drawings from conceptual designs to final product documentation. • Generate, verify and validate Gerber data and perform design rule checks (DRCs). • Working with engineering teams to introduce new PCB technology and methods into the electronic product range. • Interface with board fabrication vendor to ensure the understanding of critical design parameters, board stack-up and material requirement • Work with vendors to resolve manufacturing issues, improve designs and reduce cost. • Apply working knowledge of PCB / CCA vendor capabilities / techniques and manufacturing processes. Support manufacturing in resolving assembly issues and improving procedures. • Develop and research state of the art methodologies pertaining to the design and layout of PCB. 	
Applying for this position:	
By email:	<p>To apply by email, please send your CV and Covering Letter to: recruitment.resmlk@knorr-bremse.com.</p> <p>Please include the 'Job Title' in the email subject.</p>

Please note that roles may close earlier than specified should we receive sufficient applications prior to the written closing date.