

CANDIDATE SPECIFICATION



JOB TITLE	Electronic Engineer	
REPORTING TO	Engineering Development Manager	
DEPARTMENT/SUB DEPARTMENT	Engineering Design Office	
LOCATION	St. Neots	
OVERALL PURPOSE		
To carry out electronic development activities to support hardware development for aerospace and military applications		
PRINCIPLE ACCOUNTABILITIES		
<ul style="list-style-type: none"> • Design Power supply and mixed signal modules for use in military or aviation applications • Perform Analogue and/or Digital circuit design and Power Supply design • Perform Schematic Capture using ECAD software (Altium/ OrCAD / Mentor), have appreciation of PCB layout and work with PCB Draughtsman to create PCB parts and assemblies • Optionally to perform Embedded software development using C/C++ or FPGA development • Support Verification & Validation testing by creating test plans, test reports, setting up and performing tests. • Circuit Analysis and Simulation. • Design for Manufacture/EMC / Environmental / Reliability • To provide electrical / electronic support to design staff during development and testing of a range of products. • Investigate and provide reports on V&V and Qualification test failures and customer returns and queries. • Perform Component level testing on: software, populated PCBs, and electrical assemblies. • Fault finding to component level. • Support Production improvement actions, in resolving issues, assisting in creation of Acceptance Test Plans. • To help create and maintain a safe working environment and observe the published Health and Safety procedures. • To carry out any other tasks where reasonable and relevant, when required. 		
QUALIFICATIONS	ESSENTIAL	DESIRABLE
HNC/HND Electrical/Electronic Engineering or equivalent.	✓	
BSc/BEng Electrical/Electronic Engineering.		✓
EXPERIENCE/ SKILLS	ESSENTIAL	DESIRABLE
Experience in Design and Development or test 2+ years		✓
Experience designing electronic hardware to meet DO-160 /MIL-STD's / DEF-STAN or BS EN standards		✓
Good practical skills, hands on approach in a lab environment.	✓	
Experience of aircraft or defense or automotive electronics industry		✓
Experience of design, testing or qualification of aircraft Galley products.		✓

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Experience of sub-system software requirements		✓
Proficient in MS office suite of applications.	✓	
Experience using LabVIEW/MATLAB.		✓
Experience in testing embedded systems		✓
Ability to liaise with product design team and external design facilities.	✓	
Detail design of digital and analogue Electrical/Electronic systems.		✓
Knowledge of C or C++ programming.		✓
Knowledge of electronic component selection and substitution		✓
Understanding of electrical safety.	✓	
Knowledge of aircraft electrical regulatory requirements.		✓
Experience of qualification and certification of aircraft products		✓
Experience of Electrical and EMC Test Plan creation.		✓
Knowledge of requirements management.		✓
Able to travel and work overseas from time to time		✓
Adaptable, professional outlook and initiative with attention to detail	✓	
Ability to work independently while collaborating in a team environment	✓	
Ability to work under pressure and to deadlines	✓	
PERSONAL SKILLS	ESSENTIAL	DESIRABLE
Team Player	✓	
Strong Work 'Can-do Ethic'	✓	
Exceptional at building relationships	✓	
Excellent Customer Service skills	✓	
Strong attention to detail and time management	✓	
Exceptional Planning and Organisation skills	✓	
High awareness of Productivity and Quality	✓	
Excellent Communication skills	✓	
Flexibility	✓	
Takes Responsibility for actions	✓	
Learn, Apply and Improve	✓	