

Engineer, Electrical (SG ENDOSCOPY PTE LTD)

JOB RESPONSIBILITIES

- Work on electrical/electronic system for product design, design verification and validation activities.
- Participate in solving electronics and software/firmware related problems.
- Generate product documentation such as specifications, risk assessment, test protocols and reports that contribute to the Design History File.
- Involve in design review to ensure the product is designed for testability and manufacturability.
- Develop test fixtures/jigs and test program with R&D and manufacturing teams.
- Provide engineering support for manufacturing and test systems in production.
- Work closely with a multidisciplinary team on design verification, manufacturability, quality and reliability.
- Provide technical ownership for product design aspects for developmental and commercial products throughout their entire lifecycle.
- Resolve technical problems by working closely with internal and external stakeholders.
- Propose solutions for technical problems using systematic problem-solving methodologies and engineering principles.
- Follow Design Control for medical devices to ensure compliance with the company's Quality Management System and ISO 13485.

JOB REQUIREMENTS

- Min Degree in Electronic Engineering or related field.
- Preferably to have minimum of 3 years professional experience working on electrical/electronic product development and related activities.
- Working experience in product design, design Verification and debugging.
- Candidates with more relevant work experience or expertise might be considered for a senior level position.
- Strong understand of product testing, troubleshooting and test fixture development.
- Experience with electronics hardware design, review, verification and troubleshooting.
- Experience in testing electrical and electronic systems, PCBAs and hand-on experience in configuring equipment (oscilloscope, spectrum analyzer, safety tester, etc.) is a plus.
- Experience with PCB design software (e.g., PADS, Altium Designer) is preferred.
- Experience with EMC and safety regulatory certifications is a plus.
- Experience with IEC60601/IEC61010 is a plus.

SKILLS

- Good knowledge in power, microprocessor, PCBA, high speed signals designs.
- Strong knowledge of technical standards related to video and electrical safety.
- Outstanding communicator with strong troubleshooting skills.
- Excellent documentation writing skills.

If you are looking for challenges and have the qualities and experience to undertake this challenging opportunity, please write to hr@fongspl.com.sg with your detailed resume stating your qualifications, experience, present and expected salary, and notice period.