

PR/097822 | Electronics Engineer

Job Information

Recruiter
JAC Recruitment Singapore

Job ID
1621109

Industry
Electronics, Semiconductor

Job Type
Permanent Full-time

Location
Singapore

Salary
Negotiable, based on experience

Refreshed
November 3rd, 2026 10:43

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Native Level

Minimum Japanese Level
None

Minimum Education Level
Associate Degree/Diploma

Visa Status
No permission to work in Japan required

Job Description

Electronics EngineerAbout the Role
We are seeking a highly motivated **Electronics Engineer** to support the design, development, and testing of advanced electronic systems and precision test solutions. This role offers the opportunity to work on cutting-edge technologies involving high-speed electronics, device characterization, automated testing, and instrumentation development.

The ideal candidate will have a strong foundation in electronics engineering, hands-on experience with test and measurement equipment, and a passion for solving complex engineering challenges.

Key Responsibilities

- Design, develop, and validate electronic circuits, PCBs, and test systems.
- Create schematics and PCB layouts using industry-standard ECAD tools.
- Develop and maintain precision test rigs and measurement setups for device characterization.
- Perform electrical testing, signal integrity analysis, and troubleshooting of electronic systems.

- Utilize test and measurement equipment such as oscilloscopes, VNAs, spectrum analyzers, and TDR systems.
- Support the development of automated testing solutions using embedded systems, FPGA-based controls, and software tools.
- Prepare technical reports, test procedures, engineering documentation, and design records.
- Collaborate with cross-functional teams to drive product development, testing, and continuous improvement initiatives.

Requirements

- Bachelor's or Master's Degree in Electronics Engineering or a related discipline.
- Strong electronics engineering background with experience in device or chip testing.
- Experience in Analog Design, PCB schematic capture and layout using ECAD tools (e.g., Altium Designer).
- Familiarity with electronic test and measurement equipment, including oscilloscopes, VNAs, spectrum analyzers, and TDR systems.
- Knowledge of high-frequency signal measurement, signal integrity, and electronic system troubleshooting.
- Experience with embedded systems and FPGA-based control platforms.
- Strong technical writing, documentation, and problem-solving skills.

Preferred Qualifications

- Experience working with cryogenic environments or testing highly sensitive electronic devices.
- Mechanical CAD experience for fixture, tooling, or test rig design.
- Background in RF engineering, instrumentation, metrology, or high-speed electronics.
- Experience developing automated testing frameworks using Python, MATLAB, or similar scripting languages.
- Understanding of EMC, signal integrity, and high-speed digital design considerations.
- Experience supporting research, advanced technology development, or precision measurement applications.

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Company Description