Electronic Engineer

Job Information

Hiring Company
Advanced Energy Japan K.K.

Job ID
1583771

Division
Plasma Power Products Group

Industry
Electronics, Semiconductor

Company Type
International Company

Job Type
Permanent Full-time

Location
Miyagi Prefecture

Salary
3.5 million yen ~ 5.5 million yen

Refreshed
April 28th, 2026 00:00

General Requirements

Minimum Experience Level
Over 1 year

Career Level
Mid Career

Minimum English Level
Daily Conversation

Minimum Japanese Level
Fluent

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

≪Job Description & Position Highlights≫

- Electronic engineering roles involving the design, testing, and assembly of RF power supplies and prototype circuits
- The opportunity to work with cutting-edge power supply and RF technologies, engaging in the entire process from design to evaluation
- Growth opportunities to enhance your technical skills and problem-solving abilities by collaborating with multinational teams and customers
- A workplace where you can deepen your expertise by utilizing measurement equipment and development tools in a well-equipped laboratory environment

【Job Responsibilities】
An Electronics Engineer supports engineering activities such as design, test, verification, modification, fabrication and

assembly of prototype electro-mechanical systems, experimental design circuitry or specialized test equipment.
This position will participate in electrical design for RF matching network and Power generator products.
This position will report to the head of engineering in Korea.

＜RESPONSIBILITIES＞
*Essential

- Demonstrated ability to independently work from electrical schematics, diagrams, written and verbal descriptions, layouts or defined plans to perform testing, checkout, and trouble-shooting functions.
- Assemble and test electrical components. This includes mechanical setup of housings, chassis, etc.
- Work safely with high voltage components in excess of 100V with large energy storage.
- Demonstrated history of assembling electrical components or assemblies – PCBA's, capacitors, FETs, diodes, surface mount, through-hole parts, inductors, etc.
- Demonstrated soldering skills of small and large electrical components.
- Operate electrical test equipment to analyze electrical circuits, troubleshoot and measure V, I, mpedance, frequency response, etc. Demonstrated history of operation of oscilloscopes, spectrum analyzers, network analyzers, LCR meters in a R&D, non-production-test environment.
- Knowledge of the function of capacitors, resistors, LCR circuits.
- Performs operational test and fault isolation on systems and equipment. Assists in determining methods or actions to remedy malfunctions. Find failed or damaged components within PCBA's, trace signals to determine electrical circuit issues.
- Support engineering in writing ECO's, organizing BOM's, work orders. Understanding of assembly processeses. - Occasional documentation of build procedures and tests of electrical components.
- Creation of testing report and a comprehensive summary, ability to analyze collected data and provide conclusions and recommendations for next steps.
- Work with electrical component vendors, acquire parts, understanding of PCBA assembly

＜WORK ENVIRONMENT＞

- To work within standard electronic laboratory environment and office
- To communicate and work with the customers for the developments

＜REPORTS TO＞
Engineering Director

＜RECEIVES ADDITIONAL DIRECTION FROM＞
Senior Engineer or Above

【Employment Type】
Permanent employee

【Salary】
3.5 to 5.5 million yen

【Work Location】
Sendai Office

Required Skills

【QUALIFICATIONS】
***Required:**

- Bachelors degree in Electronic or Electrical Engineering or equivalent specific experience
- PCB Software, Altium or Cadence, experience
- Ability to work independently as needed as well in a multi-national, collaborative and highly innovative team environment.
- Comfortable with: Standard laboratory instrumentation, including but not limited to oscilloscopes, VNAs, RF VI probes, multimeters, leak detectors, and thermal sensors
- Reading schematics, PIDs, and wiring diagrams
- Build scripts (e.g., Python/JMP) or LabVIEW routines to automate equipment and capture/clean/analyze logs.
- Programming/scripting languages such as Python, Matlab, MathCadHas knowledge of basic electrical circuits and common practices in electrical assembly.
- Relies on instructions and pre-established guidelines to perform the functions of the job.
- Must have strong electro-mechanical problem-solving attributes. Able to operate a variety of electrical test instrumentation.
- Strong skills in operation of electrical test equipment – oscilloscopes, network analyzers, spectrum analyzers, volt meters.
- Manual soldering skills, includes fine pitch components.
- Mechanical and electrical assembly
- Good verbal skills to understand instructions, report results
- B.S. in Electrical, Mechanical, Chemical Engineering, Materials Science, Physics or related technical / scientific field
- Language Skills: Native-level or fluent Japanese communication skills are required. Basic to intermediate
- English comprehension is preferred for reviewing technical materials and collaborating with global teams.

***Desired:**

- Working knowledge of RF engineering and plasma physics principles.
- Basic understanding of power electronics and power supply technologies.

【REQUIREMENTS】

- Integrity to work with team
- Thorough work ethics and full dedication to work
- Good technical skills and ability to learn fast

Company Description