



Technical and Application Support Engineer

NKK Switches (NKK) is a global tech manufacturer of innovative electromechanical switches and programmable displays, setting the standard for quality and reliability in human-machine interface solutions. NKK provides full-service engineering support to include electronic system design, programming and value-added services by combining over 65 years of expertise and a true commitment to our partners' success.

We are seeking an experienced Technical and Application Support Engineer to:

- Write Firmware in C
- Knowledge of Electric circuit
- Design the schematics and layouts of the PCB and evaluate the processors and boards to verify the functionality of the designs
- Provide troubleshooting support regarding NKK Switches applications to customers.
- Provide Technical Customer Support
- Familiarity with Electromechanical Switches; the functionality, applications, and especially in HMI Switch Panel solutions

Essential Duties and Responsibilities, as a contributing Member of the Engineering Team:

- Analyzes product or equipment specifications and performance requirements to determine designs which can be produced by existing manufacturing or processing facilities and methods.
- Determines the feasibility of designing new plant equipment versus modifying existing facilities considering costs, available space, time limitations, company planning, and other technical and economic factors.
- Observes and understands major environmental regulations and assists in renewing certifications
- Provides technical information concerning manufacturing or processing techniques, materials, properties, and process advantages and limitations which affect long range plant and product engineering planning.
- Designs electronic controller modules. Creates schematics and Printed Circuit Board (PCB), and write firmware.
- Conducts research to clarify or resolve problems and develops design solutions.
- Prepares or directs preparation of product or system layouts, detailed drawings and/or schematics.

- Directs and coordinates the manufacturing or building of prototype products or systems. Documents process and prepares application notes.
- Compiles and analyzes operational, test, and research data to establish performance standards for newly designed or modified equipment or products.
- Plans and develops experimental test programs.
- Analyzes test data and affiliated reports to determine if the design meets functional and performance specifications.
- Confers with research and other engineering personnel to prepare required design modifications.
- Evaluates engineering test results for possible use in other applications or in the development of other systems.

Qualifications:

Bachelor's degree in Engineering and two years related experience and/or training; or equivalent combination of education and experience.

Preferred Qualifications:

- Programming and Coding experience
- Ability to communicate with customers
- Engineering Technical Reporting experience skill
- Ability to read mechanical drawing or electric diagrams
- Basic knowledge of major environmental regulations is preferred

Benefits:

NKK Switches offers a competitive compensation and benefits package including Paid Time Off, 401k with employer match, Life/Disability package, Health, Dental, and Vision insurance.

Submit resume and cover letter to NKK Switches Human Resources: jjones@nkkswitches.com