



The expert in human-machine interaction solutions.

FLEXKYS ELEC TECH CO.

Company Profile



FLEXKYS ELEC TECH CO. was established in 2012 and is a technology enterprise headquartered in Jiangning District, Nanjing City, Jiangsu Province, China. We focus on the design and production of human-machine interaction solutions, providing high-quality products such as membrane switches, membrane panels, silver paste printed circuits, plastic parts, IMD/IML, flexible pressure sensors (FSR), FPCBA, and PCBA to customers worldwide.

Our mission:

To create value for customers through innovation and technology, and to bring more possibilities to human-machine interaction experiences!

Who are we?

We are a passionate and experienced team. Our founder, Mr. Thomson Zhang, has 22 years of industry experience. Our engineering team consists of 4 senior experts, each with over 8 years of professional background, dedicated to providing customers with the most high-quality solutions.

Our advantages:

Customized services: One-stop service from design to production, meeting customers' personalized needs.

Quality assurance: ISO 9001 certified since 2016, ensuring high standards and zero defects in products and services.

Global perspective: Serving over 500 customers, familiar with product requirements and business rules in European and North American markets, helping customers easily solve problems in product supply.

Our Story:

FLEXKYS is not only a technical expert but also your partner. We have successfully designed and developed over 2,000 products, covering multiple industries such as household appliances, consumer electronics, medical instruments, industrial control, automotive industry, safety protection, and electronic entertainment. With rich experience, we help customers solve problems related to material selection, structural design, functional development, appearance design, and product testing. Our technical strength lies in our deep understanding of customer needs and our rapid response capability in complex projects.

Why Choose FLEXKYS?

Rich Experience: With over 20 years of industry accumulation, we have become a reliable technical partner.

Thoughtful Service: From design to production, we are always by your side, solving every problem for you.

Reliable Quality: ISO 9001 certification is our commitment to quality and your guarantee for a worry-free cooperation.

Marketing

FLEXKYS is offering OEM and ODM services in China, Germany, Britain, Sweden, France, Italy, Turkey, Croatia, Russia, the United States, Canada, Argentina, Egypt, Iran, India, Israel, Australia and others more than 30 countries. And FLEXKYS always provide sincere service and quality products to help customers gain stronger market competitiveness.



FLEXKYS ELEC TECH CO. is ready to face the future challenges together with you and create more possibilities for you!

Certification



ISO9001:2015

ROHS & REACH



Alibaba verified supplier



SGS verified supplier

Production scenario



Office scene



Products



Membrane Switch



Plastic Part



Force Sensor



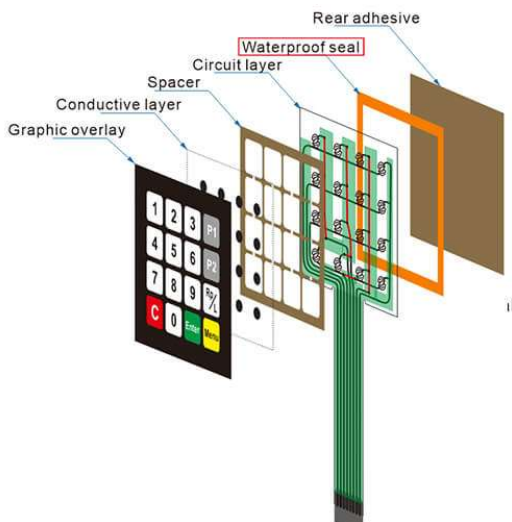
FPC



PCBA

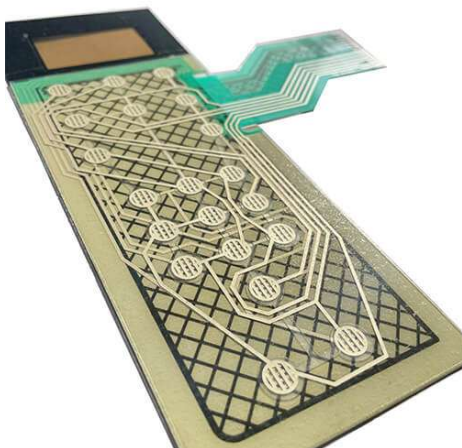
Membrane switch

Waterproof membrane switch



Waterproof membrane switch is an efficient and reliable switching solution with IP68 protection rating. Its excellent waterproof and dustproof performance and exquisite design scheme make it able to work normally in a variety of dusty and humid environments, significantly improve the service life of the product, and provide more comprehensive protection for the entire equipment. Waterproof film switch usually adopts special structural design and waterproof rubber layer material, product structure usually adds a complete waterproof sealing ring on the outer edge of the circuit. The use of waterproof materials on spacer and post-adhesive materials can effectively prevent the decay and failure of the bonding layer caused by water immersion. This design not only improves the reliability and service life of the equipment, but also provides users with a safer and more reliable operating experience, especially in critical areas that require high levels of protection, such as: door flasks for outdoor use, refueling machines, watering equipment, laundry equipment, bathroom equipment, and so on.

ESD membrane switch



ESD Membrane Switch is a high-end input device used to prevent electrostatic damage, widely used in precision instruments, industrial control systems and other electrostatic sensitive environments. Through special conductive materials and grounding design, it effectively prevents electrostatic interference and damage to electronic components.

Its main materials include silver paste, carbon paste or aluminum foil shielding layer, which can quickly disperse electrostatic charges and guide to the ground wire, ensuring the stable operation of the device. The specially processed anti-static film switch is not only sensitive in operation, but also can maintain reliability in complex electromagnetic environments, which is the ideal choice for precision instruments and industrial automation equipment.

Anti-uv membrane switch



Outdoor equipment often requires protection against the long-term damage caused by ultraviolet (UV) radiation, including damage to keypad or label. Prolonged exposure to UV light can cause the surface of membrane keypad to crack and fade. Therefore, it's essential that the keypad surface material has excellent UV resistance, and the printing ink must also possess UV-resistant properties.

We assist our customers in selecting the appropriate UV-resistant materials for manufacturing membrane keypad based on their product application scenarios. This effectively prevents the keypad surface from becoming brittle and fading after a period of use.

Additionally, outdoor usage can lead to water seepage issues in the equipment. We can address this through our waterproof design solutions, enabling the keypad to function normally even in rain-soaked or submerged conditions. Our design also effectively prevents device malfunctions caused by dust intrusion in dusty environments.

Luminous film switch



The illuminated keypad ensures that key characters are clearly visible in any lighting condition, thus improving the user's operational accuracy. In addition, the luminous keyboard design enhances the visual appeal of the product, giving it a modern and upscale feel.

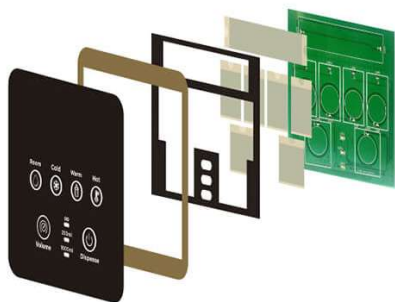
FLEXKYS offers more than just a monochrome illuminated keyboard. We also offer color-changing light-emitting keyboards to meet a wider range of key function expansion needs. Depending on the specific needs of the user, we can provide a variety of keyboard lighting solutions, including:

(1) LED with light guide film or light guide plate

(2) LED with rubber key

(3) LED with diffusion film. Each solution has its own unique advantages and can meet different functional requirements and visual effects.

Capacitive membrane switch



Capacitive keypad have won widespread favor for their stylish beauty and excellent user experience. Its innovative keyboard lighting system and exquisite key pattern design ensure that users can clearly identify the keys in any light environment, bringing a pleasant input experience. The panel design of advanced acrylic or glass material not only enhances the tactile texture of the product, but also highlights its advanced technical level and modern aesthetic style.

FLEXKYS focuses on providing customers with customized solutions for capacitive keyboards, including keyboard panels, lighting design, PCBA and control program development, simplifying the production process and creating more value for customers.

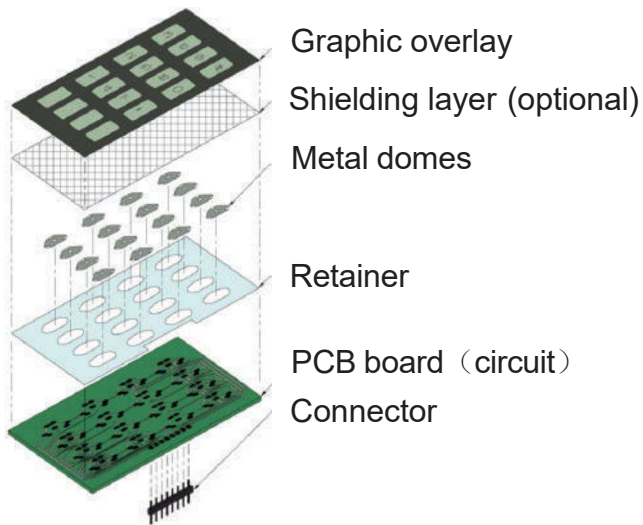
Metal keyboard



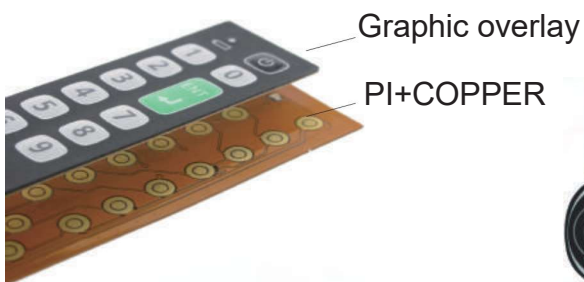
The metal keyboard is made of unique metal materials and has a rugged appearance, with riot control, dust and water resistance that ordinary keyboards cannot match. This makes them ideal for input devices in demanding environments. As an embedded device, metal keyboard is widely used in financial equipment, communication equipment, military equipment and other self-service terminal equipment fields.

Keypad structure diagram

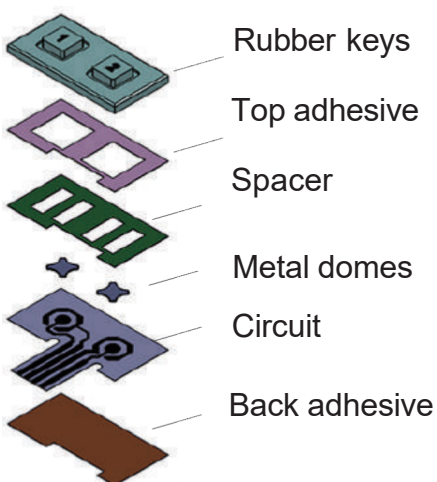
PCB Hy-brid Membrane Switch



Copper FPC Membrane Switch

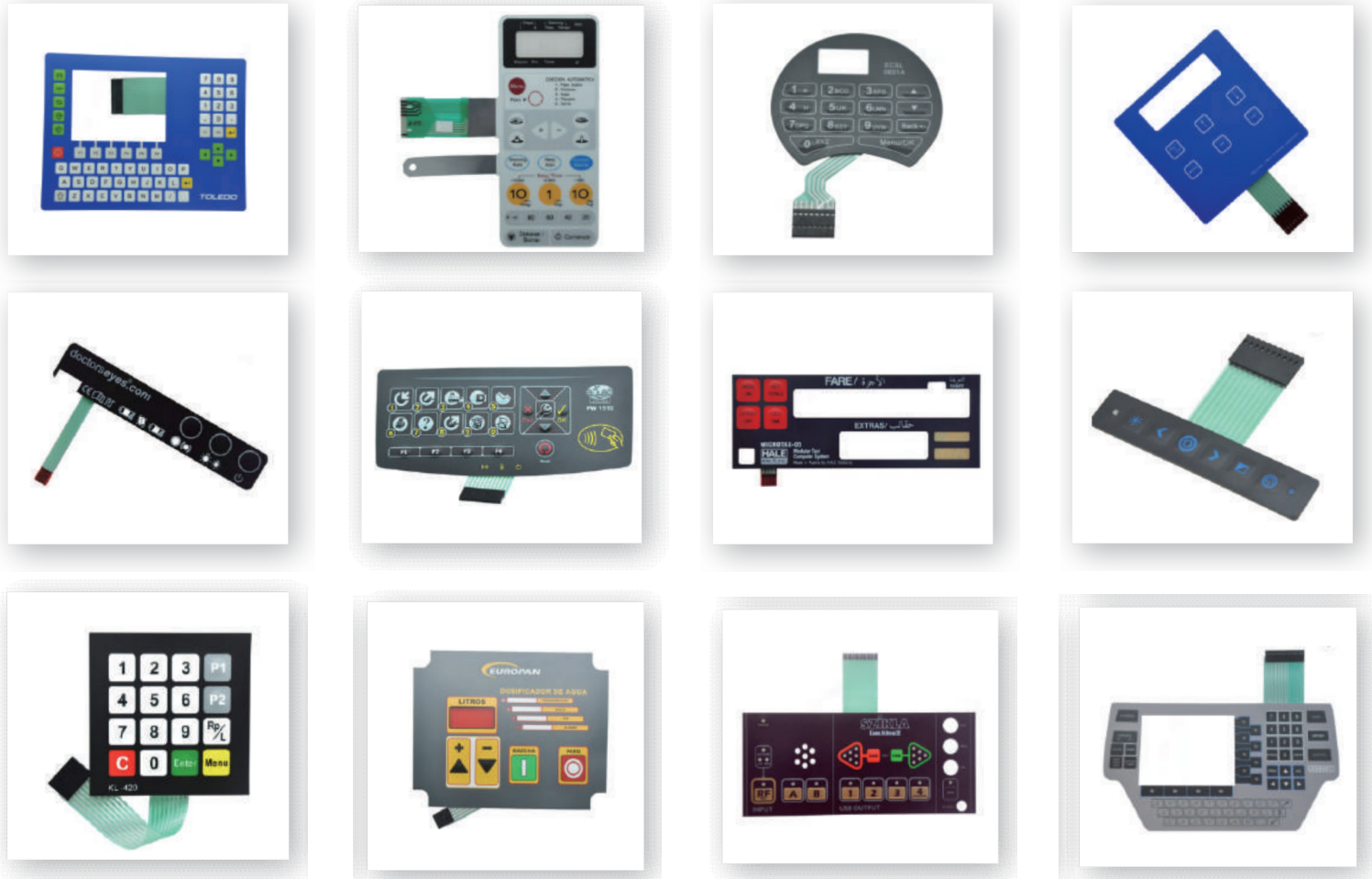


Silicone Rubber Keypad Membrane Switch

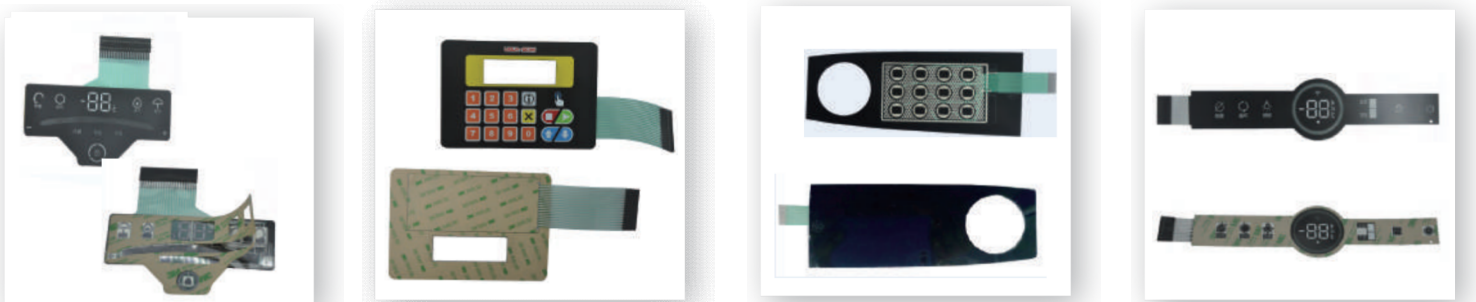


Samples show

Resistive membrane switch

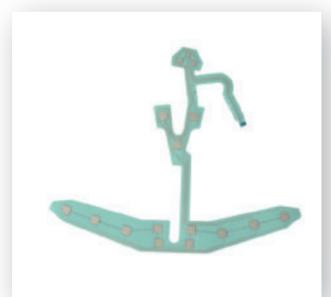
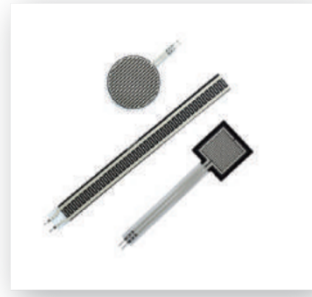
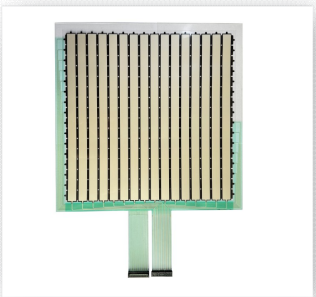


Capacitive membrane switch

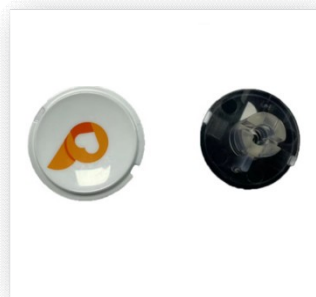


Samples show

Capacitive sensor and force sensor



Plastic parts , IMD/IML

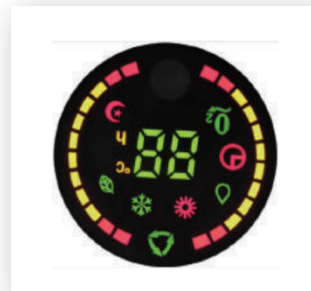


Samples show

Graphic Overlay



Display pannel



Application

Home Appliance



Medical Devices



Safes & Smart Locks



Communication Devices



Industrial Controls and Others



Our Customers

Customer & Partner

DIEHL
Controls

Haier

BLUECHIPS
ELECTRONIC PRODUCT DESIGN & MANUFACTURING SERVICES



SUNFIBRE
Wearable Active Lighting Technology

ESTUN
埃斯顿自动化



EGC
ENGINEERED SOLUTIONS



SAIMO



Kert
SISTEMI DI ENERGIA E ALIMENTAZIONE

ENG Systems
Innovative Dairy Solutions

MICRO RAD

BOSCHE
WÄGETECHNIK

LeakSafe
solutions

HOBART



Dosers

MAGEN
ECO-ENERGY

WATTS

Salamander Pumps

Neuralog

EASTHOUSE



doctoreyes



FLEXKYS ELEC TECH CO.

Your expert in human-machine interaction solutions.

Address:

Building 11, Jiyin Jiaheyuan,
Qingshuiting dong road 998#, Jiangning district
Nanjing , Jiangsu Province, China.

Tel:+86-25-52104047

Email: sales01@flexkys.com

Website:www.flexkys.com