

Let's switch to a reliable touch screen.

NKK Switches leads the world as a manufacturer dedicated to making industrial switches.

Our touch screens inherit the full range of our technology, quality, and originality.

Our longstanding focus on quality is evident in our constant innovation of resistive film touch screens which we have continued to develop over the years.

NKK has won a reputation for the reliability of its resistive touch screens for medical and industrial applications where mission-critical reliability is essential.

NKK touch screens provide greater reliability to the products across a broad range of fields.

We don't provide just products. NKK also offers solutions, including arranging the most efficient procurement of liquid crystal displays (LCDs) and software development as part of a complete package that help our customers meet their objectives.

NKK touch screens exceed expectations in three major sectors

Technology

We provide unique technologies as a dedicated switch manufacturer

We have been awarded more than 1,200 industrial patents over our 60-year company history.

This speaks to NKK's innovation and technical expertise.

Quality

Performance

Responsiveness and customer satisfaction

Options include special orders, small-lot production, multiproduct production, rapid delivery, and a broad range of support services.

NKK provides responsiveness, versatility, quality, and customer satisfaction that exceeds expectations.

A reputation for quality established over 60 years

Supported by sophisticated precision processing and other advanced techniques, our industry-leading quality improves performance and function and maintains initial control capabilities for extended periods.

Expanding the world of touch screens through resistive film

An enviable track record with a reliable supply source

FT Series Digital Touch Screens

Meeting the need for a wide range of sizes

FT Series 4-Wire Analog Touch Screens

Integrated production at the NKK factory in Japan ensures high-quality, small-lot, multiproduct production and customization.

Materials and design

The materials and design used are the film/glass configuration most widely used.

Two types: analog and digital

Two types of products are available: analog and digital (matrix).

Anti-glare surface treatment

The anti-glare surface treatment suppresses glare from fluorescent light fixtures and other reflections from the film surface.

Narrow frames

Narrow frame touch screens are available for use with narrow frame LCDs.

Adhesive enhances integrity

Adhesive applied to glass/film joints improves resistance to environmental factors.

ANR film layer

Incorporates an ANR (anti-Newton ring) film layer to reduce visible interference and improve visibility (analog touch screens).

Resin coating

The film surface is protected by a coating of resin that offers durable protection against scratching.

A variety of sizes

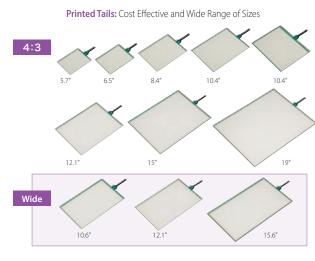
5.7", 6.5", 8.4", 10.4", 10.6" (wide), 12.1", 12.1" (wide), 15", 15.6", and 19" (analog touch screens).

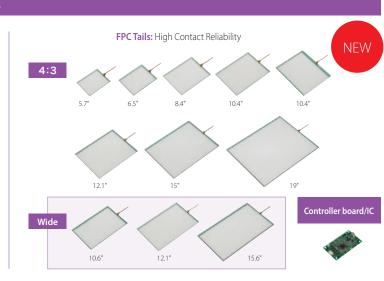
FPC tails

An FPC tail improves contact reliability. Reducing the size of the terminal from a pitch of 8-pin and 1.25mm to 4-pin and 1 mm results in smaller and thinner substrates. Various surface mount connector options are available. The tail material has changed from PET to polyimide to improve strength (bending durability) and heat resistance.

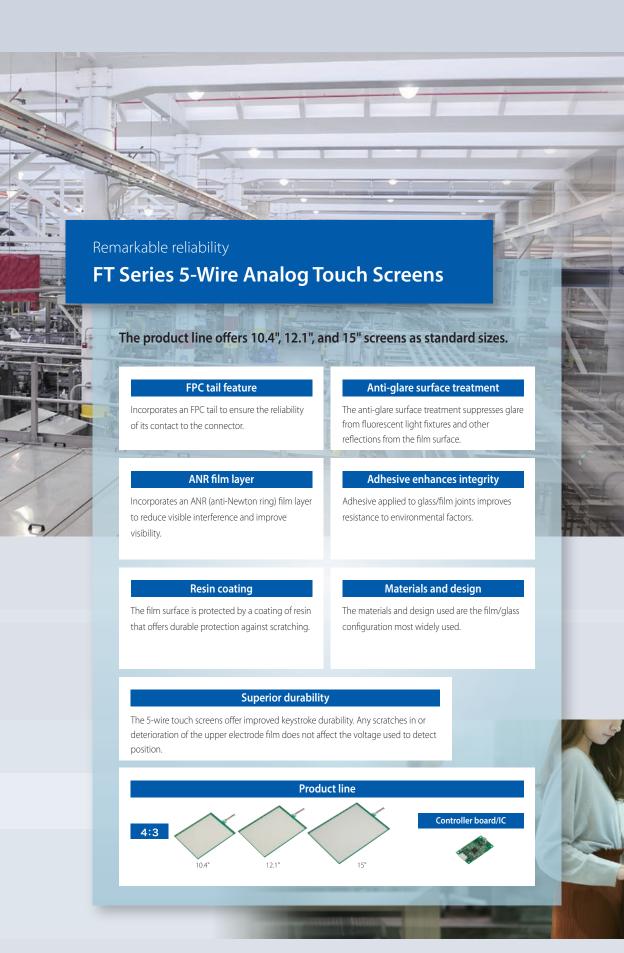
Product line







*A conversion tail allows a 4-wire analog touch screen of any size to be handled as an 8-wire analog touch screen. (The autocalibration function is not supported.)



Providing solutions equal to capacitive touch screens

TP01 Series 4-Wire Analog Touch Screens

NEW

Light touch operation on analog resistive touch screens. Supports multi-touch operation.

Supports two-point gesture input

The light touch panel ensures reliable input and sense of control. The dedicated controller board supports multi-touch operations.

Various input methods

Resistive touch screens can be operated using any input method: finger, stylus, or fingers covered by a glove.

Anti-glare surface treatment

The anti-glare surface treatment suppresses glare from fluorescent light fixtures and other reflections from the film surface.

FPC tail feature

Incorporates an FPC tail to ensure the reliability of its contact to the connector.

Narrow frames

Narrow frame touch screens are available for use with narrow frame LCDs.

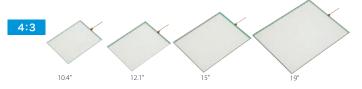
Resin coating

The film surface is protected by a coating of resin that offers durable protection against scratching.

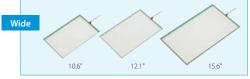
ANR film layer

Incorporates an ANR (anti-Newton ring) film layer to reduce visible interference and improve visibility.

Product line



*A TP01 series controller board and detection IC are bundled with the touch screen.



Controller board/IC



Touch Screens + Switches Promoting Solutions that Support Ease of Use

Combining NKK's touch screens and switches create added value.

We're committed to responding to the challenge of diverse requirements through performance that exceeds expectations in various aspects.

These include panel design, procurement of entire integrated screens, and cost reductions achieved through miniaturization and other solutions.



Measuring instrument











A World-wide Distribution of Sales and Services



Custom Requests



We welcome custom requests for products tailored to specific needs.

- Specialty films (e.g., antifingerprint film)
- Nonstandard sizes (e.g., 3.5 inches, wider screens)
- Customized tail positions, pin-outs and dimensions
- Number of keys for digital touch screens (e.g., 80 keys, 1,200 keys)

We can build products to meet specifications for special-order products.

Contact us for unique solutions.

*Listed specifications are subject to change without notice. Please contact our sales department for the latest specifications.

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