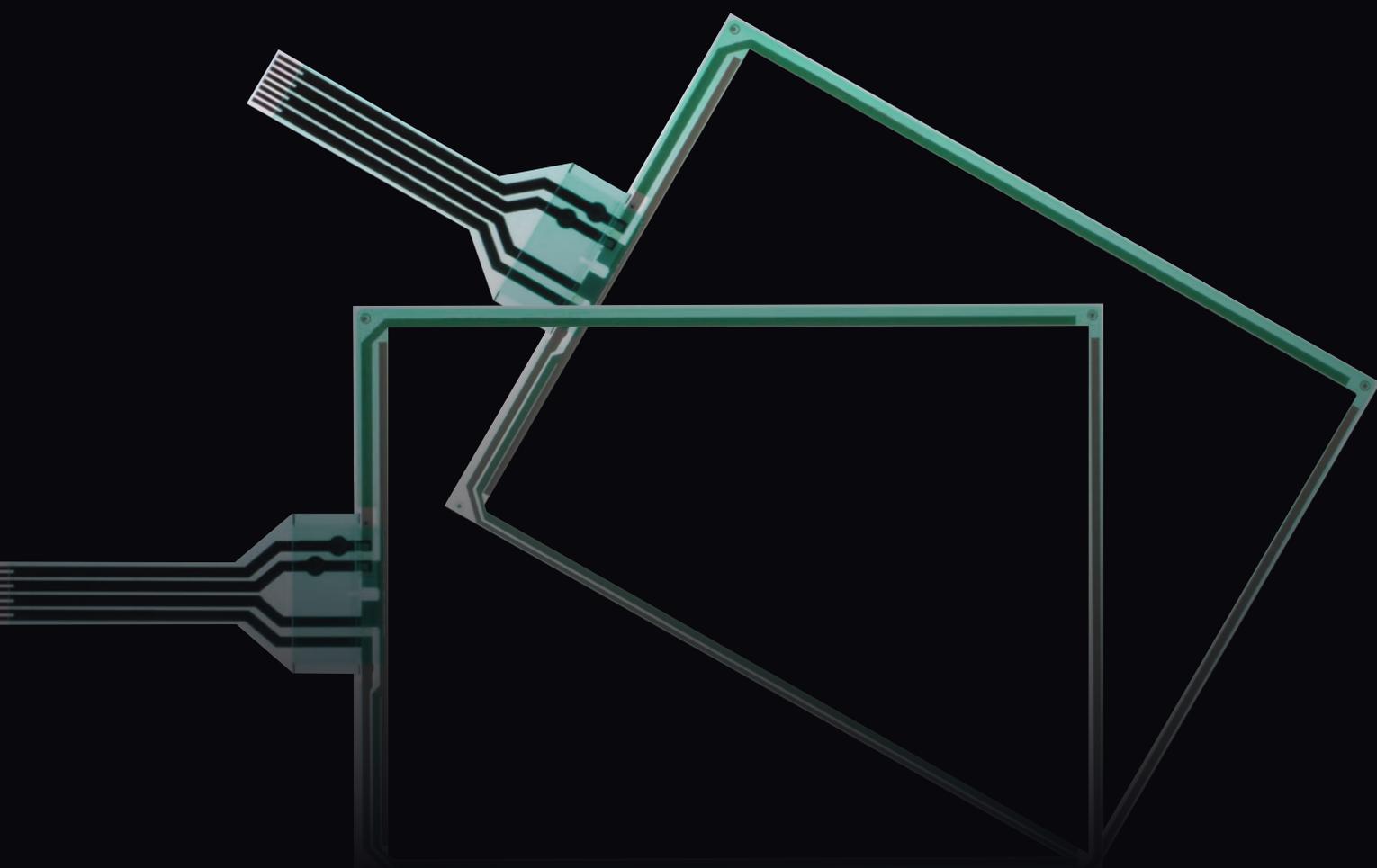


FT Series

**NKK**  
SWITCHES

# NKK Touch Screen



**NKK SWITCHES HONG KONG CO., LTD.**

# FT Series

Selection of the specialized industrial switch manufacturer  
Expand the touch screen field by “resistive film mode”

## Adopt the mode of resistive film

Currently, people use the touch screen in many ways. And resistive film mode is the most used one depending on such advantages as high design freedom in the input mode (digital and analog) and size and relatively low cost.

It supports both finger input and pen input.

## Analog type and digital type

There are two types, analog and digital (matrix).

## Touch panel + LCD

We can provide touch panel stuck with LCD. Sticking process is carried out in dust-free room in our local factory.

## Anti-glare surface treatment

By making anti-glare surface treatment toward the film surface, we made reflection of fluorescence soft.

## Adopt ANR film

ANR (Anti Newton-Ring) film is used to get rid of interference stripes and enhance screen visibility.

## Material composition

As for material composition, we take the most widely-used “film+ glass” as the standard product. We can also customize “film+ film” mode.

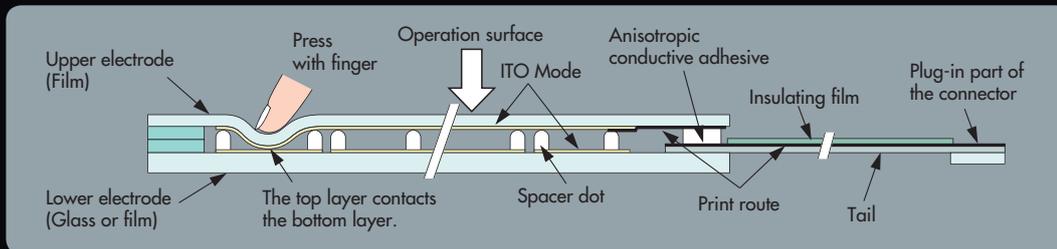
## Tail

We use 1.25 mm pitch 8-pins of PCB type as the standard.

## Various options

Film: fingerprint-proof, high transmittance  
Tail: two specifications, gilding and tinning. The size can also be customized according to the customer’s demand. There are also other customized services. Please contact our sales department for more information.

### Structure Chart



### Products

◎: Standard product ○: Customizable product

Size	3.5	5.7	6.2	6.5	7	8.4	8.5	10.4	10.5	12.1	14	15	17	17.1	19
Type			Wide		Wide		Wide								
Digital	○	◎	○	○	○	○	○	○	○	○	○	○	○	○	○
Analog 4-wire type	○	◎	○	◎	○	◎	○	◎	○	◎	○	◎	○	○	○
Analog 5-wire type								◎		◎		◎			
Analog 8-wire type	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

\* 8-wire switching tail can be used to customize all dimensions of analog 4-wire mode (auto-calibration unsupported).

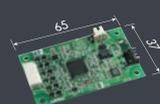
#### Easy USB link. Supports various OS. Control panel/device driver

- Interface: USB (some products support RS-232C)
- Install EEPROM to save setting data.

The control panel and driver of the device can be downloaded from the website. By using them in combination, you can touch the screen to realize operation as same as the mouse click.

#### High speed/high precision Analog transparent touch screen detection IC

- Built-in functions like high-speed high-precision noise elimination of coordinate data input (antivibration, device noise elimination, etc.)
- Built-in calibration function



Applicable os: Windows Vista/XP/2000 (Japanese Version)  
Windows Xpe/CE (Japanese Version)  
\* Windows 7.8.8.1 (Japanese Version)  
(Please contact us in advance on whether customization can be made.)

# Touch screen + membrane keyboard + switch Ever-expanding total solution

Driver's seat



Touch screen   Switch

Medical equipment



Touch screen   Switch

Sewing machine



Touch screen   Membrane keyboard  
Switch

Multi-function Printer (MFP)



Touch screen   Membrane keyboard  
Switch

Access control panel



Membrane keyboard   Switch

ATM/POS



Touch screen   Switch

Coin parking operation panel



Touch screen   Switch

Wheelchair motor unit



Membrane keyboard

Ticket vending machine (TVM)



Touch screen   Switch

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# NKK SWITCHES

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