Feather Touch

4-wire resistive touch panel designed for multi-touch gesturing applications

FUJITSU

Enabling low-cost, high reliability, easily integrated alternatives to Projected Capacitive Multi-Touch Panels

- Standard 4-wire resistive touch panel structure, 3.5-inch to 17-inch panel size
- Special controller enabling 2-finger sensing
- Optimized for gesture recognition, pinch, expand, rotate, flick, swipe
- Ultra low input force: 0.02~0.3N
- Special top film technology provides user experience comparable to projected capacitive panels
- Film/Glass, Film/Film/Plastic structures available
- Touch window enables creative Industrial Design: flush surface, logo printing, special shapes supported
- Transparency 82%~90%
- Automotive temperature range available:
  -30~+85ºC (operation)
  and -40~+95ºC (storage)
- Anti-Newton Ring technology

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Feather-Touch Specifications

Operation force	0.02~0.3N (initial, measuring point: center of the touch panel)	
Surface hardness of film	Pencil hardness ≥ 3H	JIS K-5400
Transparency	82%~90% typical	JIS K 7105
Haze	5%~10% typical	JIS K 7105 surface: anti-glare
Linearity	≤1.5%	
Operation temperature	-5~60ºC	
Operation humidity	20~90%RH	Maximum wet bulb temperature 38ºC with no condensation
Storage temperature	-30~70ºC	
Storage humidity	10~90%RH	Maximum wet bulb temperature 38ºC with no condensation
Reliability	1 million finger inputs	Tapping at the same point by silicon rubber R8 hardness 60%

Feather-Touch Panel Sizes

NC01152-T101	7-inch wide
NC01101-T001	7-inch wide (automotive)
NC01111-T081	12.1-inch wide

Standard 4-Wire Resistive Touch Panel Sizes

Most of Fujitsu's Standard 4-wire resistive touch panels can be made available in a Feather Touch version. Our standard size range from 3.5-inches up to 17-inches in 4x3 aspect ratio, with a range of wide types (16x9) also available.
Please go to our website for the standard 4-wire resistive touch panel size selections:
http://www.fujitsu.com/us/services/edevices/components/touchpanels/4wire/

4-Wire Dual Touch Controller Board & MCU

NC01850-B045RS	USB controller board	
NC01850-B040RS	I2C development test board	
Operation temperature	-5~60ºC	
Operation humidity	20~90%RH	Maximum wet bulb temperature 38ºC with no condensation
Storage temperature	-30~70ºC	
Storage humidity	20~85%RH	Maximum wet bulb temperature 38ºC with no condensation
Size	60mm x 30mm	
NC41120-0031	USB controller MCU	
NC41120-0030	I2C controller MCU	

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