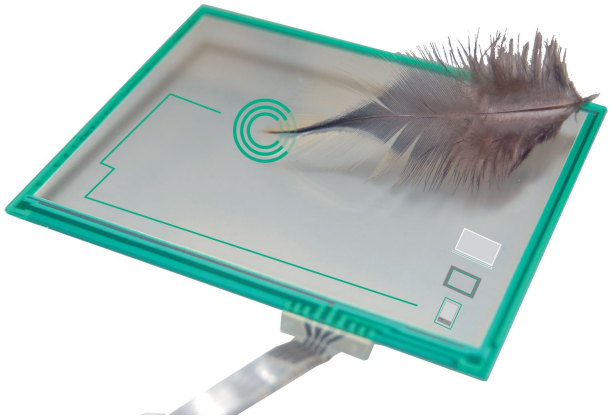
Feather Touch

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, 4.3-inch to 22-inch panel size
- Special controller enabling 2-finger sensing (except automotive type)
- Optimized for gesture recognition, pinch, expand, rotate, flick, swipe (except automotive type)
- Ultra low input force: min. 0.02N
- Special top film technology provides user experience comparable to projected capacitive panels
- Film/Glass structures
- Touch window enables creative Industrial Design: flush surface, logo printing, special shapes supported
- Transparency 80% to 90%
- Anti-Newton Ring technology



shaping tomorrow with you

Feather-Touch Specifications

Operation force	Min. 0.02N (initial, measuring point: center of the touch panel)	
Surface hardness of film	Pencil hardness ≥ 3H 22-inch: more than 2H	JIS K-5400
Transparency	80% to 90%	JIS K 7105
Haze	6% typical (Custom range is 1% to 10%)	JIS K 7105 surface: anti-glare
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

NC01111-T161	3.8-inch	NC01111-T241	12.1-inch
NC01111-T181	4.3-inch	NC01111-T242	12.1-inch
NC01152-T101	7-inch wide	NC01111-T081	12.1-inch wide
NC01111-T202	8.4-inch	NC01111-T261	15-inch
FID-1154-401-A10	10.1-inch wide	NC01152-T021	15.3-inch wide
NC01111-T222	10.4-inch	NC01111-T281	17.1-inch
NC01111-T221	10.4-inch	FID-1111-381-A19	19-inch
NC01111-T222	10.4-inch	FID-1111-501-A22	22-inch wide

4-Wire Dual Touch Controller Board & MCU

FID-1850-120	USB controller board	
Operation temperature	-5~60ºC	
Operation humidity	20~85%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	
FID-1860-005	USB controller MCU	
NC41120-0038	I2C controller MCU	

Contact

Japan
FUJITSU COMPONENT LIMITED
Shinagawa Seaside Park Tower
12-4, Higashi-shinagawa 4-chome,
Tokyo 140 0002, Japan
Tel: (81-3) 3450-1682
Fax: (81-3) 3474-2385
Email: fcl-contact@cs.jp.fujitsu.com
Web: www.fujitsu.com/jp/group/fcl/en/

North and South America
FUJITSU COMPONENTS AMERICA, INC.
2290 North First Street, Suite 212
San Jose, CA 95131 U.S.A.
Tel: (1-408) 745-4900
Fax: (1-408) 745-4970
Email: components@us.fujitsu.com
Web: http://us.fujitsu.com/components/

Europe
FUJITSU COMPONENTS EUROPE B.V.
Diamantlaan 25
2132 WV Hoofddorp
Netherlands
Tel: (31-23) 5560910
Fax: (31-23) 5560950
Email: info@fceu.fujitsu.com
Web: www.fujitsu.com/uk/components/

Asia Pacific
FUJITSU COMPONENTS ASIA, Ltd.
102E Pasir Panjang Road
#01-01 Citilink Warehouse Complex,
Singapore 118529
Tel: (65) 6375-8560 / Fax: (65) 6273-3021
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/components/

China
FUJITSU ELECTRONIC COMPONENTS (SHANGHAI) CO., LTD.
Unit 4306, InterContinental Center
100 Yu Tong Road, Shanghai 200070, China
Tel: (86 21) 3253 0998 /Fax: (86 21) 3253 0997
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/components/

Hong Kong
FUJITSU COMPONENTS HONG KONG Co., Ltd.
Room 06, 28/F, Greenfield Tower, Concordia Plaza, No.1 Science Museum Road,
Tsim Sha Tsui East, Kowloon, Hong Kong
Tel: (852) 2881 8495 Fax: (852) 2894 9512
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/components/

Korea
FUJITSU COMPONENTS KOREA, LTD.
Alpha Tower #403,
645 Sampyeong-dong,
Bundang-gu, Seongnam-si,
Gyeonggi-do, 13524 Korea
Tel: (82 31) 708-7108
Fax: (82 31) 709-7108
Email: fcal@sg.fujitsu.com
www.fujitsu.com/sg/products/devices/components/

Copyright

All trademarks or registered trademarks are the property of their respective owners. Fujitsu Components America or its affiliates do not warrant that the content of datasheet is error free. In a continuing effort to improve our products Fujitsu Components America, Inc. or its affiliates reserve the right to change specifications/datasheets without prior notice. Copyright ©2019 Fujitsu Components America, Inc. All rights reserved. Revised April 9, 2019.