

FCL Components 3rd Party Touch Panels PCAP-S series

FCL Components 3rd Party Projected Capacitive Touch Panels

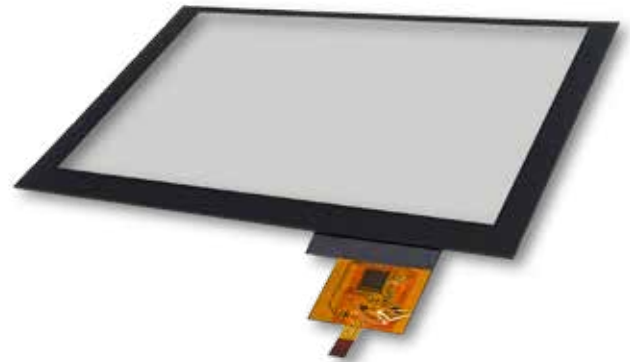
Overview

The projected capacitive touch panels (PCAP-S series) feature a film sensor with a top cover glass and are available in sizes from 7"W to 31.5". Basic features are 85% Transmissivity with 1% Haze, 2-finger gesture operation (10-finger detection), and Operating Life of 10 Million touches. A Chip-on-Film (COF) controller IC with USB Interface is standard, with a 1mm pitch FFC connection.

This series is suitable for a wide variety of applications including industrial, Instrumentation and medical products.

While the standard sizes shown fit many applications, the cover glass is often required to be customized to meet product design requirements, so we offer cover glass customization, as well as full custom sizing design service.

The PCAP-S series is manufactured by Transtouch Technology, Inc., a FCL Components partner company.



Standard Features

- Glass-Film-Film structure
- Chip-on-Film (CoF) Flex Tail
- Major OS driver support
- Standard interface: USB
- Standard glass finish: Clear (glossy)
- RoHS compliant

Optional Features

- Custom Cover Glass
- Flex only optional
- Graphic Border / Log
- Strengthend Glas
- Anti-Glare (AG) & Anti-Smudge (AS)
- Controller IC upgrade
- Full Custom Designs availab
- Active Pen support available

■ Part Numbers

Diagonal (inches)	Part numbers	Glass thickness (mm)	Tail (Flex) length (mm)	Transparent area (mm)	Sensor active area (mm)	USB signal type
31.5	T010-3101-T323	1.8	82.8	701.40 x 395.85	702.40 x 396.58	--*1
27.0	T010-3101-T621	1.8	68.0	617.01 x 358.01	599.89x 338.31	--*2
23.8	T010-3101-T611	1.8	69.0	549.01 x 319.01	529.04 x 298.01	--*2
21.5	T010-3101-T290U	1.8	70.0	480.80 x 271.30	481.80 x 272.30	B
18.5	T010-3101-T280U	1.8	70.0	410.80 x 231.40	411.80 x 232.40	B
15.6	T010-3201-T661U	1.8	70.0	345.16 x 194.59	346.16 x 195.59	D
15.6	T010-3201-T663U	1.8	70.0	345.16 x 194.59	346.16 x 195.59	B
15	T010-3201-T651U	1.8	70.0	309.20 x 234.23	310.20 x 235.23	B
12.1	T010-3201-T580U	1.8	69.8	256.92 x 165.20	248.50 x 187.00	B
12.1	T010-3201-T582U	1.8	69.8	256.92 x 165.20	248.50 x 187.00	B
12.1W	T010-3201-T560U	1.1	100.0	247.50 x 186.00	257.92 x 166.20	D
12.1W	T010-3202-T290U	1.1	100.0	247.50 x 186.00	257.92 x 166.20	B
10.4	T010-3201-T592U	1.1	70.0	213.20 x 160.40	214.20 x 161.40	B
10.1	T010-3201-T513U	1.1	72.0	218.00 x 136.60	219.64 x 138.14	C
10.1	T010-3202-T100U	1.1	55.3	218.00 x 136.60	218.96 x 137.60	B
7	T010-3301-T207U	1.1	63.0	153.85 x 92.87	154.30 x 93.37	A

*1: Controller board: EXC31C4588SCCG additionally required.

*2: Controller board: EXC84H5680STAG additionally required.

■ Interfaces

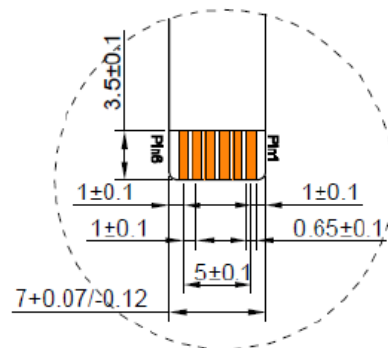
Pin order	USB signal type			
	A	B	C	D
Pin 01	VDD	GND	GND	VDD
Pin 02	D-	D-	RST	D+
Pin 03	D+	D+	VDD	D-
Pin 04	GND	VDD	D-	INT
Pin 05	RST	NC	D+	RST
Pin 06	INT	RST	NC	GND

Our COF FPC has a 1mm pitch design, except 7" panel which is 0.5mm.

■ Specifications

Please contact our sales office for specification drawings.

■ Flex Tail Detail (example)



Contact

Japan FCL COMPONENTS LIMITED Shinagawa Seaside Park Tower 12-4, Higashi-shinagawa 4-chome, Tokyo 140 0002, Japan Tel: +81 3 3450 1682 Email: fcl-contact@cs.fcl-components.com	Europe FCL COMPONENTS EUROPE B.V. Diamantlaan 25 2132 WV Hoofddorp Netherlands Tel: +31 23 5560910 Email: info@fcl-components.eu	China FCL COMPONENTS (SHANGHAI) CO., LTD. Unit 1105, Central Park –Jing An, No.329 Heng Feng Road, Shanghai 200070, China Tel: +86 021 3253 0998 Email: fcsh@fcl-components.com
North and South America FCL COMPONENTS AMERICA, INC. 2055 Gateway Place, Suite 480 San Jose, CA 95110 U.S.A. Tel: +1 408 745 4900 Email: fcai.components@fcl-components.com	Asia Pacific FCL COMPONENTS ASIA, LTD. No. 20 Harbour Drive, #07-01B Singapore 117612 Tel: +65 6375 8560 Email: fcal@fcl-components.com	Hong Kong FCL CCOMPONENTS HONG KONG Co., LIMITED Room 13, 23/F, Seapower Tower, Concordia Plaza, No.1 Science Museum Road, Tsim Sha Tsui East, Kowloon, Hong Kong Tel: +852 2881 8495 Email: fcsh@fcl-components.com

Web: www.fcl-components.com/en/

Copyright

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

Copyright ©2024 FCL Components America, Inc. All rights reserved. Revised April 25, 2024.
