FCL COMPONENTS

FCL Components Touch Panels
Feather Touch - Long Life 4-Wire series

FCL Components Resistive Touch Panel Specification

Features

- Superior quality 4-wire resistive touch panels
- Available in light input force types (min. 0.02N) or standard force type
- Light input force with dual input gesture supports PCAP comparable user experience
  • Pinch, Zoom, Rotate, Swipe or Flick action detectiont by the application or operating system
- Excellent specification and high quality panels for a wide range of applications
- Pen/finger input support
- 80% transparency typical
- New optional clear film with enhanced transparency and reduced friction
- Custom antibacterial and antiviral functionality
- RoHS compliant

- Feather Touch - Long Life 4-Wire Resistive Touch Panel Part Numbers

Size	Aspect Ratio	Part number	Transparent area (mm)	Glass thickness (mm)	Tail (Flex) length mm	Transparency %
22	wide	FID-1144-001-A22	479.8 x 303.1	1.8	120	80
19	4x3	FID-1143-001-A19	382.9 x 307.7	1.8	120	80
15	4x3	FID-1142-001-A15	311.0 x 234.2	1.8	120	80
15	4x3	FID-1141-001-A15	309.0 x 233.0	1.8	120	80
12.1	4x3	FID-1135-001-A12	251.0 x 189.5	1.1	75	80
10.4	4x3	FID-1134-001-A10	216.0 x 163.0	1.1	75	80
10.4	4x3	FID-1133-001-A10	216.6 x 164.6	1.1	75	80
10.1	wide	FID-1132-001-A10	229.0 x 131.5	1.1	75	80
10.1	wide	FID-1131-001-A10	223.4 x 141.5	1.1	75	80
8.4	4x3	FID-1125-001-A08	175.9 x 133.3	1.1	61	80
8.4	4x3	FID-1124-001-A08	176.0 x 133.5	1.1	61	80
7	wide	FID-1123-001-A07	162.4 x 98.6	1.1	61	80
7	wide	FID-1122-001-A07	159.4 x 97.4	1.1	61	80
5.7	4.3	FID-1121-001-A05	119.2 x 89.4	1.1	61	80

- Notes: Full specifications are available - please contact your local Sales Representative or use the Contact Form to request
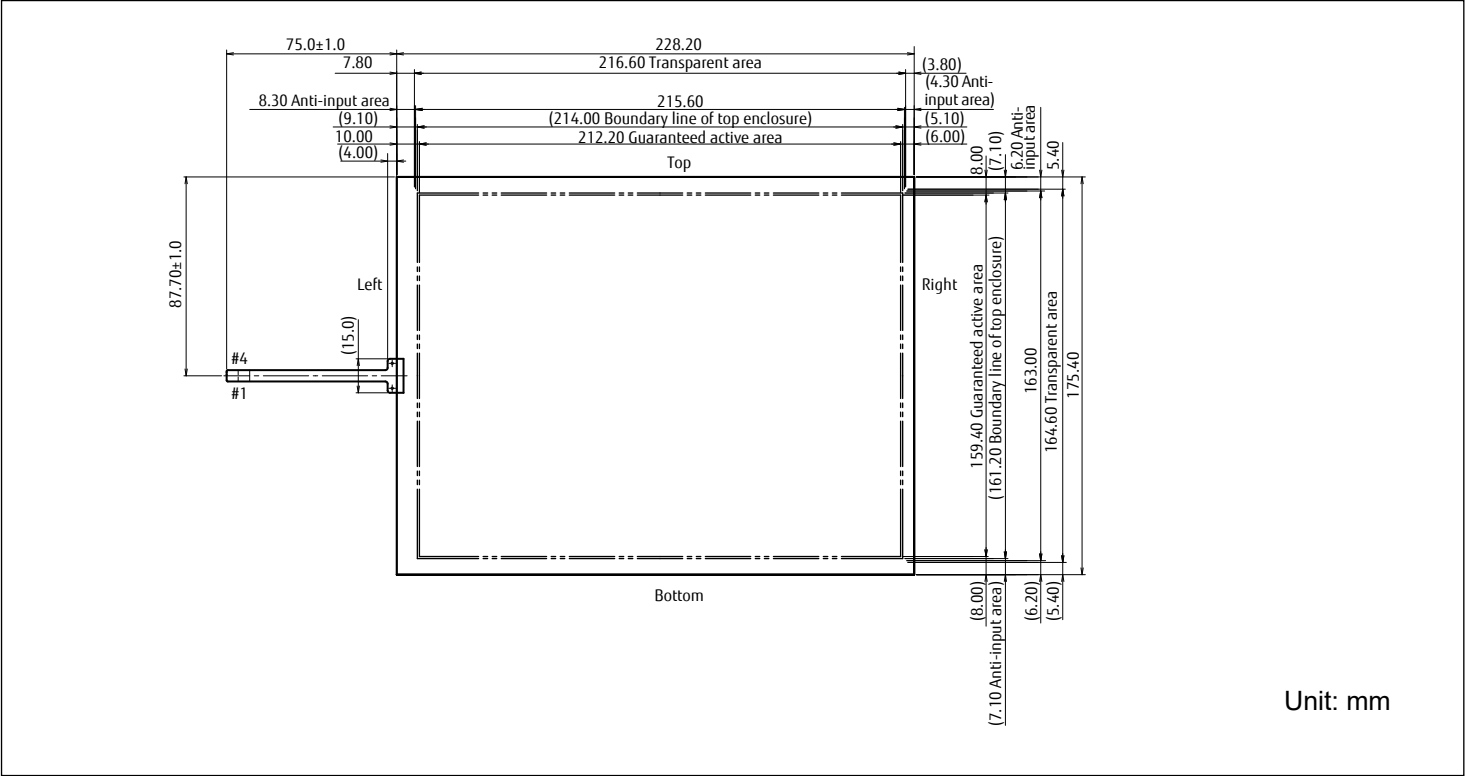
■   Controller Boards

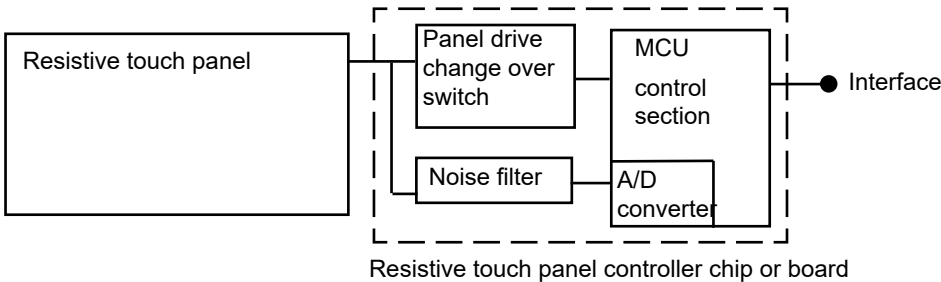| Part Number	Type	Support Interface	Features	Dimmensions (mm)
FID-1850-170	4-wire	RS232C	Single input	75.0 x 30.0 x 8.5
FID-1850-150	4-wire	USB (full speed)	Single input	75.0 x 30.0 x 8.5
FID-1850-160	4-wire	USB (full speed)	Dual / single input	60.0 x 30.0 x 5.2

■   Control IC

Part Number	RTP Type	Support Interface	Feature	Dimensions (mm)
FID-1860-013	4-wire	Asynchronous serial	Dual/single input	7.0 x 7.0 x 1.7 (body) 48 pin LFQFP
FID-1860-014	4-wire	USB (full speed)	Dual/single input	7.0 x 7.0 x 1.7 (body) 48 pin LFQFP

■   Dimension example

Unit: mm

■   System description and block diagram

FCL Components' touch panel in combination with a control IC chip or control board is used for transfer the co-ordinate data to the host system.

Resistive touch panel controller chip or board

■   General notes

Touch panels are made of glass, so care must be taken in handling them. Do not stress, pile, bend, lift by the cable or put any stress on the film, for example moving by film face vacuum. In order to clean wring dry a cloth which has been emersed in a natural detergent.

DO NOT use any organic solvent, acid or alkali solution. Watch the edge of the panel when cleaning, again for safety reasons.

■   Detailed specifications

Complete specification document is available upon request.

■   Electrical: Touch Panels

Rated voltage	DC 5V
Switch bounce (chattering)	20ms maximum
Insulation resistance	10MΩ minimum

■   Environmental: Touch Panels

Operating temperature	-5°C to 60°C
Storage temperature	-30°C to 70°C
Operating humidity *[1]	20% to 90%
Storage humidity *[1]	10% to 90% RH

*[v]: Maximum wet bulb temperature of 38°C

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[FCL Components]():

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