FUJITSU Component Touch Panels

Standard 4-Wire series

Fujitsu Resistive Touch Panel Specification

Features

- Superior quality standard 4-wire resistive analog touch panel
- Excellent specification and high quality
  - Anti Newton ring technology
  - High reliability materials
- Pen/finger type
- Transparency - 80% typical
- RoHS compliant



Part Numbers

Part Number	Size	Type
N010-0554-T703A	3.8"	Pen Finger (80%, AG, 21mm FPC)
N010-0554-T241A	4.3"W	Pen Finger (86%, AS, 75mm FPC)
N010-0554-T015A	5.7"	Pen/Finger (120mm FPC)
N010-0554-T009A	5.7"	Pen/Finger (50mm FPC)
N010-0554-T043A	6.4	Pen/Finger (80%, AG, 61mm FPC)
N010-0554-T048A	6.4"	Pen/Finger (86% clear, 120mm FPC)
T010-1301-T320*	7"W	Pen/Finger (82%, AS, 70mm FPC)
N010-0554-T504A	8.4"	Pen/Finger (0.7mm glass, AS 75mm FPC)
N010-0519-T742A	8.4"	Pen/Finger (86%, clear, 120mm FPC)
N010-0554-T511A	8.4"	Pen/Finger (1.1mm glass, AS 120mm FPC)
T010-1201-T930*	10.1"	Pen/Finger (83%, AG, 80mm FPC)
N010-0554-T347A	10.4"	Pen/Finger (75mm FPC)
N010-0554-T352A	10.4"	Pen/Finger (82%, AS, 120mm FPC)
N010-0554-T351A	10.4"	Pen/Finger (86%, AS, 120mm FPC)
N010-0554-T805A	12.1"	Pen/Finger (75mm FPC)
N010-0554-T814A	12.1"	Pen/Finger (82% 120 mm FPC)
N010-0554-T902A	15"	Pen/Finger (61mm FPC)

Notes

- Unless otherwise noted, all PNs are 1.1mm Glass, Pen/Finger operation, 80% Transmissivity, Anti-Glare (AG), RoHS-Compliant.
- AS = Anti-Smudge, aka AFP or Anti-Finger Print
- For drawings please refer to the Documentation tab.
- Full specifications are available - please contact your local Sales Representative, or use the Contact Form, to request.

*: Produced by Transtouch Technology, Inc., a Fujitsu partner company.

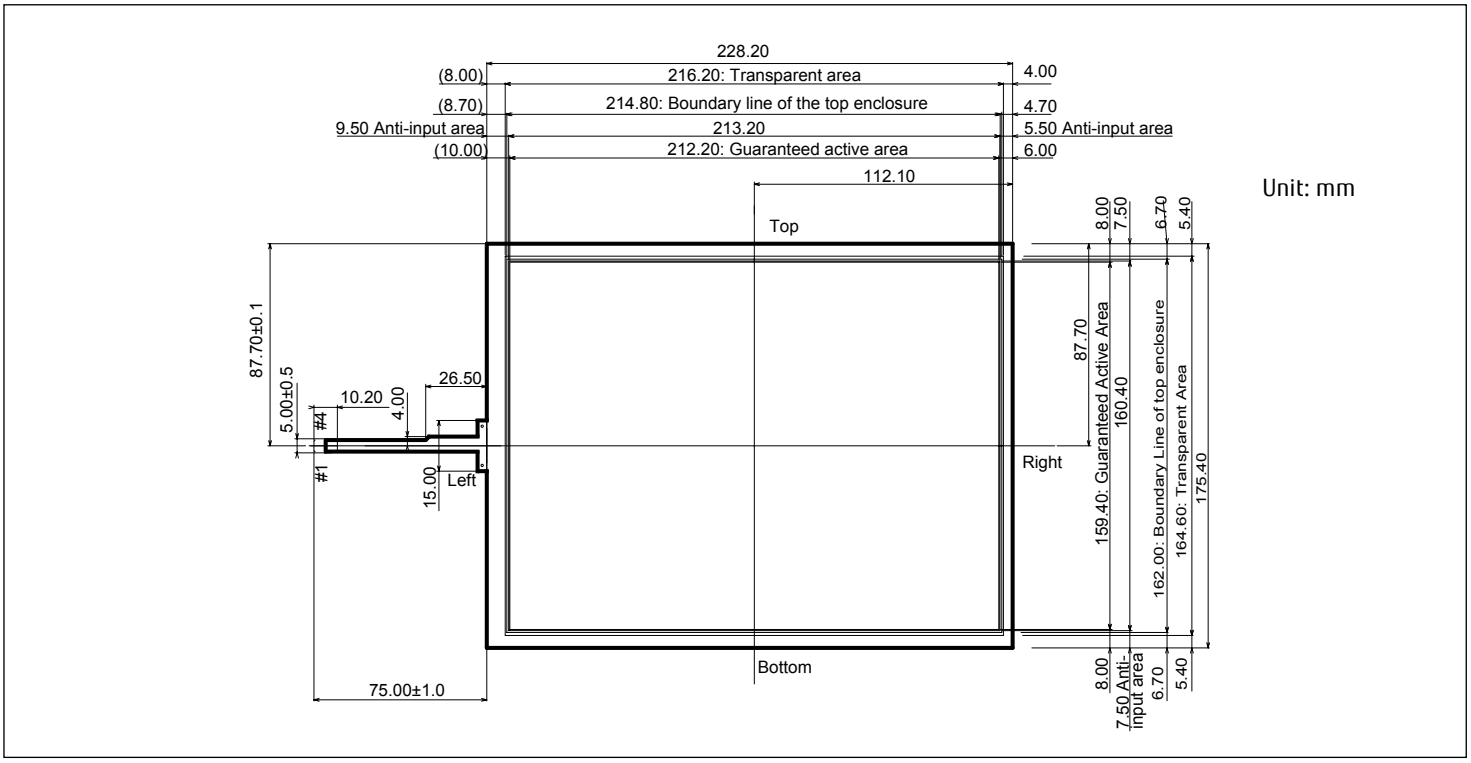
■ Controller Boards

Part Number	Type
NC01850-B070RS	4-wire, RS232
NC01850-B010RS	4-wire, USB
FID-1850-120	4-wire, USB, dual touch

■ Interface Controller Chips

Part Number	Type
NC41120-0036	4-wire, RS232
NC41120-0051	4-wire, USB
FID-1860-005	4-wire, USB, dual touch

■ Dimension example (10.4″ shown)



■ Detailed specifications

■ 1.0 Application

This specification applies to the standard series Resistive Touch Panel (Pen/Finger type)

■ 2.0 Additional application

Complete specification document is available upon request.

■ 3.0 Description and block diagram

This panel in combination with a control IC chip or control board is used to transfer the co-ordinate data to the host system.
Please see block diagram on page 1.

■ Electrical

Rated voltage	DC 7V max.
Resistance X axis	300 to 850Ω (at the connector) typical
Resistance Y axis	100 to 600Ω (at the connector) typical
Switch bounce (chattering)	20ms min. when using the silicon rubber measurement tool
Insulation resistance	10MΩ minimum
Dielectric strength	25KV DC for 1 minute
Linearity	1.5% typical

■ Environmental

Operating temperature (*)	-5°C to 60°C
Storage temperature	-20°C to 70°C
Operating humidity	20% to 85% RH with a maximum wet bulb temperature of 38°C
Storage humidity	10% to 90% RH with a maximum wet bulb temperature of 38°C
Chemical resistance	Coating with the following chemicals and storing at room temperature for 2 hours gives no problems. 10% NaCl-water solution, ethyl-acetate, ethyl-alcohol, toluene, methyl-ethyl-ketone
Low air pressure	No issues down to 0.5 x normal air pressure

■ 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.

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