

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.

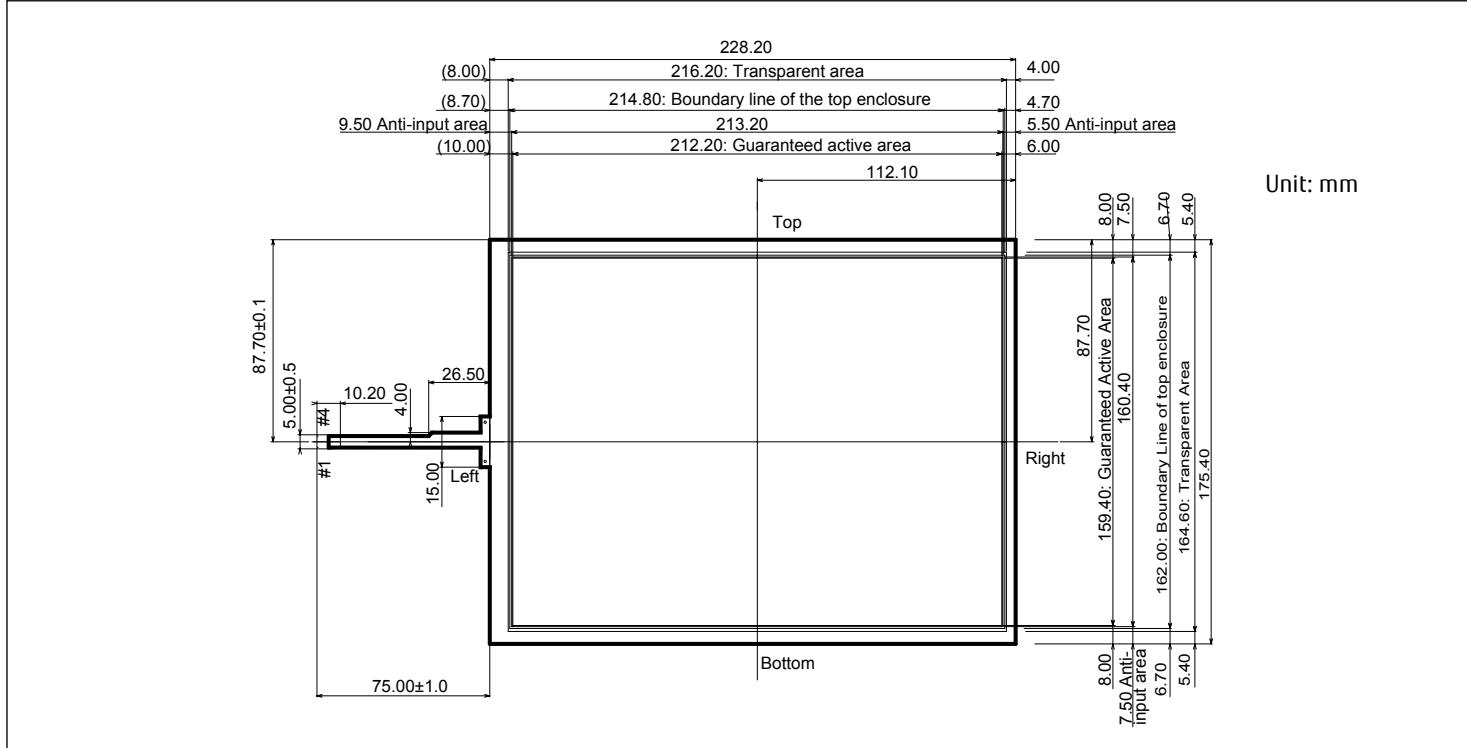
■ Controller Boards

| 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.

Contact

| | | | |
|---|---|--|---|
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