



DATA DISPLAY GROUP

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# Datasheet

## Fujitsu Touch Controller

N16B-0558-B730

for 4-wire resistive touch panels

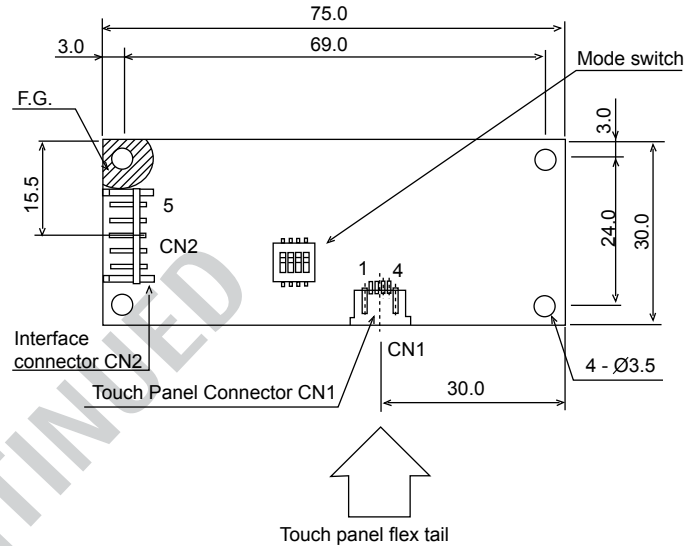
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# TOUCH PANEL CONTROL BOARD 4-WIRE USB

## N16B-0558-B730 USB Interface Controller Board Quick Reference

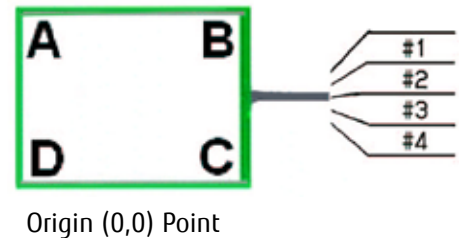
### 4-Wire Resistive Touch Panels



#### ■ FEATURES

- High quality and reliability touch panel control board with integrated switch for selectable cable tail exit direction for FPC cable 4-wire touch panels.
- USB 1.1 bus powered interface for direct connection to PC or alternative USB interfaces.
- RoHS compliant

#### ■ SWITCH SETTINGS



SW1	Orientation mode selection switches	OFF		ON		OFF		ON		<table border="1"> <thead> <tr> <th colspan="2">Connector Pin Assignment</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>Top</td> </tr> <tr> <td>#2</td> <td>Right</td> </tr> <tr> <td>#3</td> <td>Bottom</td> </tr> <tr> <td>#4</td> <td>Left</td> </tr> </tbody> </table>	Connector Pin Assignment		#1	Top	#2	Right	#3	Bottom	#4	Left	Type A
Connector Pin Assignment																					
#1		Top																			
#2	Right																				
#3	Bottom																				
#4	Left																				
SW2	ON		OFF		OFF		ON														
SW3	OFF		OFF		ON		ON														

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#1		Left																			
#2	Top																				
#3	Right																				
#4	Bottom																				
SW2	OFF		OFF		ON		ON														
SW3	OFF		ON		ON		OF														

Connector Pin Assignment listed on individual touch panel drawings.

# USB 4 -Wire Control Board

## ■ CONSTRUCTION

Specification item		N16B-0558-B730 4-Wire USB Control Board
Mechanical	Size / Weight	75mm x 30mm / 30g
Electrical	Supply voltage (max./min.)	Vcc 5.5V/4.1V
	Operating current (detect)	36mA at Vcc=5V and T=25 degrees
	Sleep mode current	6mA at Vcc=5V and T=25 degrees
Environment	Operating temperature	-5°C to +60°C
	Storage temperature	-30°C to +70°C
	Humidity	20% RH to 85% at +38°C maximum wet bulb temperature

## ■ TOUCH PANEL CONNECTION CN1 (FCI: SFW4R-1STAE1-LF)

## ■ INTERFACE CONNECTION CN2 (JST #: S5B-EH (LF))

1.	+5V (Vcc)	3.	D-(S ignal)	5.	Frame G round
2.	D+ (S ignal)	4.	G round		

Complete specification document is available on request for customers with whom we have an approved NDA in place.

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