Datasheet

Fujitsu Touch Controller

N16B-0558-B730

for 4-wire resisitive touch panels

FUJITSU

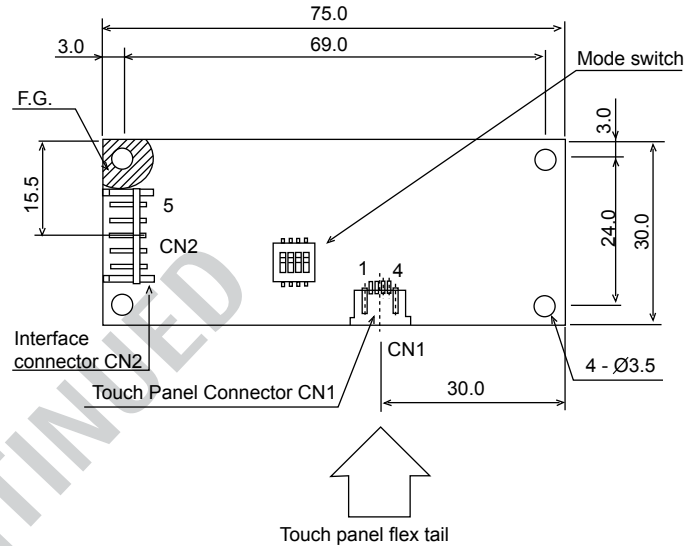# TOUCH PANEL CONTROL BOARD 4-WIRE USB

N16B-0558-B730 USB Interface Controller Board Quick Reference

4-Wire Resistive Touch Panels

75.0
69.0
3.0
F.G.
Mode switch
3.0
15.5
5
CN2
24.0
30.0
1 4
Interface connector CN2
CN1
4 - Ø3.5
Touch Panel Connector CN1
30.0

Touch panel flex tail

A   B

#1
#2
#3
#4

D   C

Origin (0,0) Point

■ **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**
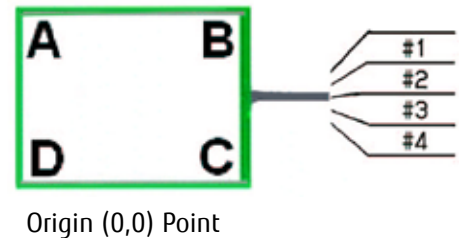
SW1	Orientation mode selection switches	OFF		ON		OFF		ON		Connector Pin Assignment		
SW1		OFF	A	ON	B	OFF	C	ON	D	#1	Top	Type A
SW2		ON		OFF		OFF		ON		#2	Right	
SW3		OFF		OFF		ON		ON		#3	Bottom	
										#4	Left	

SW1	Orientation mode selection switches	ON		OFF		ON		OFF		Connector Pin Assignment		
SW1		ON	A	OFF	B	ON	C	OFF	D	#1	Left	Type B
SW2		OFF		OFF		ON		ON		#2	Top	
SW3		OFF		ON		ON		OF		#3	Right	
										#4	Bottom	

Connector Pin Assignment listed on individual touch panel drawings.

■ **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	-5ºC to +60℃
	Storage temperature	-30ºC to +70℃
	Humidity	20% RH to 85% at +38℃ maximum wet bulb temperature

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

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

1.	+5V (Vcc)	3.	D-(Signal)	5.	Frame Ground
2.	D+ (Signal)	4.	Ground		

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

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