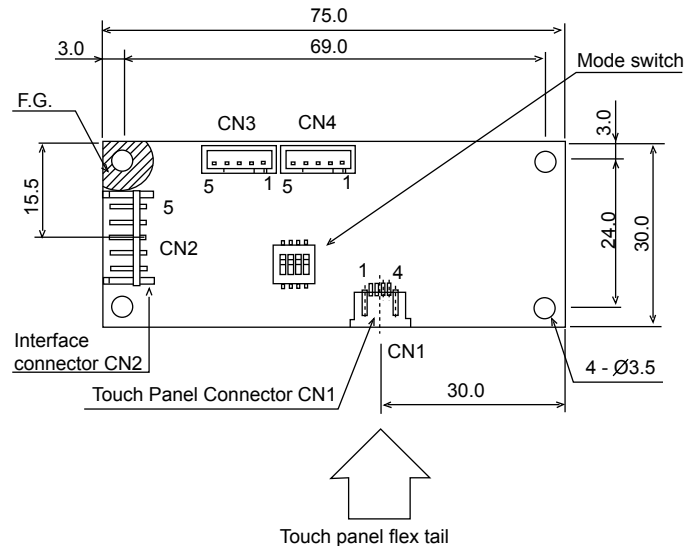


# TOUCH PANEL CONTROL BOARD 4-WIRE USB

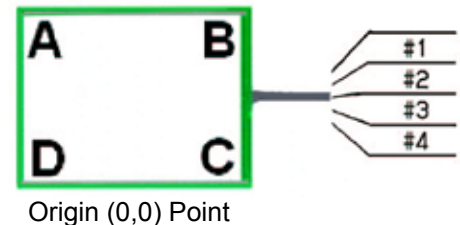
## N16B-0558-B710 USB Interface Controller Board Quick Reference

### 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.



#### ■ SWITCH SETTINGS

SW1	Orientation mode selection switches	OFF		ON		OFF		ON		<table><tr><th colspan="2">Connector Pin Assignment</th></tr><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></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														

SW1	Orientation mode selection switches	ON		OFF		ON		OFF		<table><tr><th colspan="2">Connector Pin Assignment</th></tr><tr><td>#1</td><td>Left</td></tr><tr><td>#2</td><td>Top</td></tr><tr><td>#3</td><td>Right</td></tr><tr><td>#4</td><td>Bottom</td></tr></table>	Connector Pin Assignment		#1	Left	#2	Top	#3	Right	#4	Bottom	Type B
Connector Pin Assignment																					
#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-B710 4-Wire USB Control Board
Mechanical	Size / Weight	75mm x 30mm / 30 g
Electrical	Supply Voltage (max./min.)	Vcc 5.5V/4.1 V
	Operating current (detect)	36 mA at Vcc = 5V and T = 25 degrees
	Sleep Mode current	6 mA at Vcc = 5V and T = 25 degree s
Environment	Operating Temperature	-5°C to +60°C
	Storage Temperature	-30°C to +70°C
	Humidity	20%RH to 85% RH at +38° C maximum wet bulb temperature

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

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.

## Fujitsu Components International Headquarter Offices

<b>Japan</b> Fujitsu Component Limited Gotanda-Chuo Building 3-5, Higashigotanda 2-chome, Shinagawa-ku Tokyo 141, Japan Tel: (81-3) 5449-7010 Fax: (81-3) 5449-2626 Email: <a href="mailto:promothq@ft.ed.fujitsu.com">promothq@ft.ed.fujitsu.com</a> Web: <a href="http://www.fcl.fujitsu.com">www.fcl.fujitsu.com</a>	<b>Europe</b> Fujitsu Components Europe B.V. Diamantlaan 25 2132 WV Hoofddorp Netherlands Tel: (31-23) 5560910 Fax: (31-23) 5560950 Email: <a href="mailto:info@fceu.fujitsu.com">info@fceu.fujitsu.com</a> Web: <a href="http://emea.fujitsu.com/components/">emea.fujitsu.com/components/</a>
<b>North and South America</b> Fujitsu Components America, Inc. 250 E. Caribbean Drive Sunnyvale, CA 94089 U.S.A. Tel: (1-408) 745-4900 Fax: (1-408) 745-4970 Email: <a href="mailto:components@us.fujitsu.com">components@us.fujitsu.com</a> Web: <a href="http://www.fujitsu.com/us/services/edevices/components/">http://www.fujitsu.com/us/services/edevices/components/</a>	<b>Asia Pacific</b> Fujitsu Components Asia Ltd. 102E Pasir Panjang Road #01-01 Citilink Warehouse Complex Singapore 118529 Tel: (65) 6375-8560 Fax: (65) 6273-3021 Email: <a href="mailto:fcsl@fcsl.fujitsu.com">fcsl@fcsl.fujitsu.com</a> Web: <a href="http://www.fujitsu.com/sg/services/micro/components/">http://www.fujitsu.com/sg/services/micro/components/</a>

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