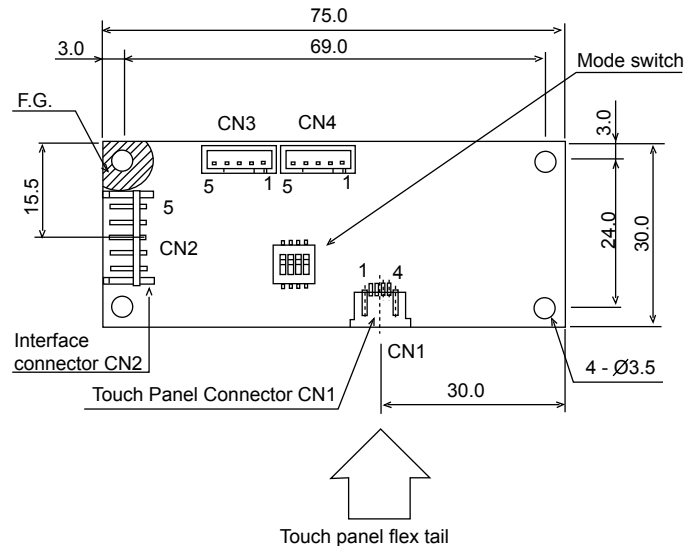


TOUCH PANEL CONTROL BOARD 4-WIRE USB

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



Origin (0,0) Point

■ SWITCH SETTINGS

SW1	Orientation	SW2	SW3	SW1	SW2	SW3	SW1	SW2	SW3	Connector Pin Assignment	
OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	#1 Top	Type A
ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	#2 Right	
OFF	OFF	OFF	ON	ON	ON	ON	OFF	ON	OFF	#3 Bottom	
ON	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	ON	#4 Left	Type B
OFF	ON	ON	OFF	ON	OFF	ON	ON	OFF	ON	#1 Left	
OFF	ON	ON	ON	ON	ON	ON	OFF	ON	OFF	#2 Top	
OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	#3 Right	
OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	#4 Bottom	

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 / 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

■ 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.

Fujitsu Components International Headquarter Offices

<p>Japan 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: promothq@ft.ed.fujitsu.com Web: www.fcl.fujitsu.com</p>	<p>Europe Fujitsu Components Europe B.V. Diamantlaan 25 2132 WV Hoofddorp Netherlands Tel: (31-23) 5560910 Fax: (31-23) 5560950 Email: info@fceu.fujitsu.com Web: emea.fujitsu.com/components/</p>
<p>North and South America 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: components@us.fujitsu.com Web: http://www.fujitsu.com/us/services/edevices/components/</p>	<p>Asia Pacific Fujitsu Components Asia Ltd. 102E Pasir Panjang Road #01-01 Citilink Warehouse Complex Singapore 118529 Tel: (65) 6375-8560 Fax: (65) 6273-3021 Email: fcal@fcal.fujitsu.com Web: http://www.fujitsu.com/sg/services/micro/components/</p>

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