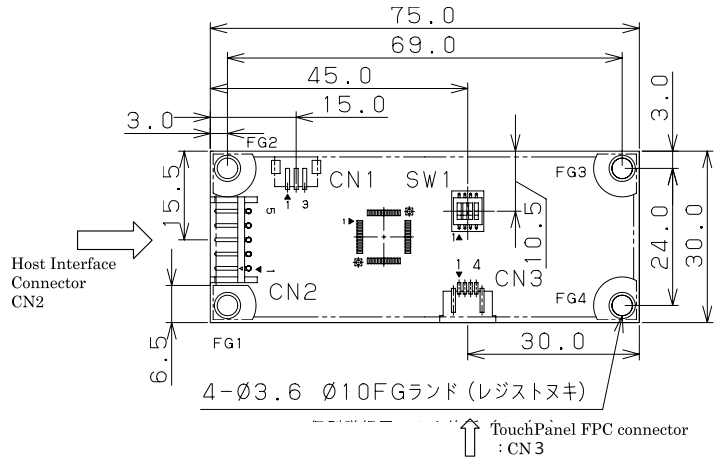


TOUCH PANEL CONTROL BOARD 4-WIRE USB

NC01850-B010RS 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 2.0 bus powered interface for direct connection to PC or alternative USB interfaces.
- RoHS compliant



Origin (0,0) Point

SWITCH SETTINGS

SW1	Orientation mode selection switches	OFF		ON		OFF		ON		<table border="1"> <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	ON																
SW3	OFF	OFF	ON	ON	ON																

SW1	Orientation mode selection switches	ON		OFF		ON		OFF		<table border="1"> <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	ON																
SW3	OFF	ON	ON	OF	OF																

Notes:

- Connector Pin Assignment listed on individual touch panel drawings.
- SW4 should remain OFF.

USB 4 -Wire Control Board

■ CONSTRUCTION

Specification item		NC01850-B010RS 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-(Signal)	5.	Frame G round
2.	D+ (Signal)	4.	G round		

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

Fujitsu Components International Headquarter Offices

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	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/
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://us.fujitsu.com/components/	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: fcalfcal.fujitsu.com Web: http://www.fujitsu.com/sg/services/micro/components/

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