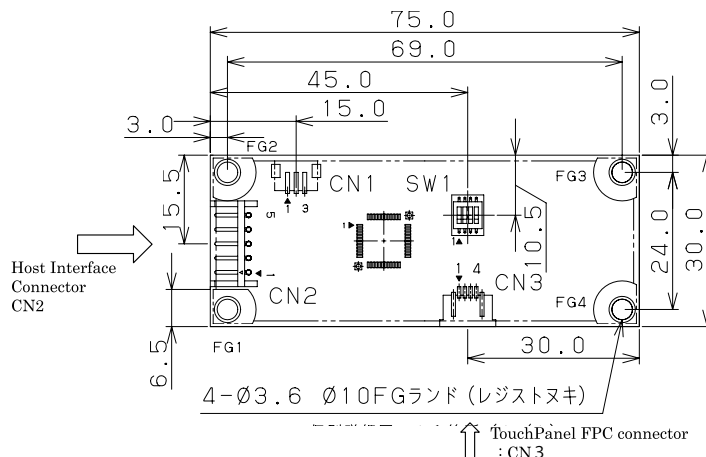


TOUCH PANEL CONTROL BOARD 4-WIRE USB

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><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
Connector Pin Assignment																				
#1		Top																		
#2	Right																			
#3	Bottom																			
#4	Left																			
SW2	ON	OFF	OFF	ON																
SW3	OFF	OFF	ON	ON																

Type A

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

Type B

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-(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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