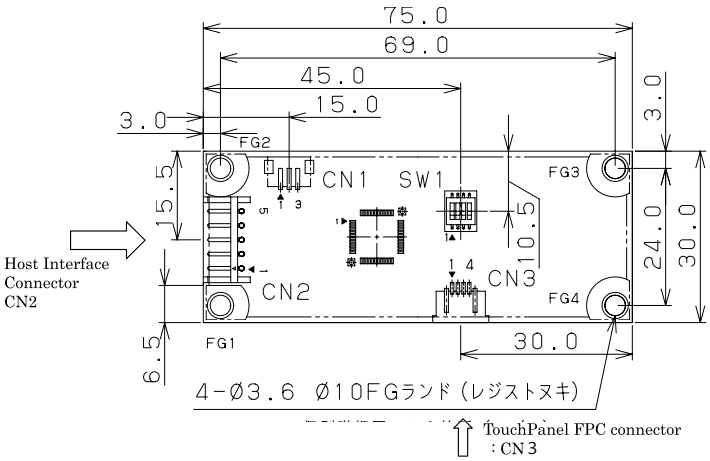
FUJITSU

TOUCH PANEL CONTROL BOARD 4-WIRE USB

NC01850-B010RS USB Interface Controller Board Quick Reference

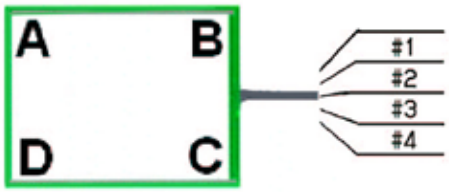
4-Wire Resistive Touch Panels





■ 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	A	ON	B	OFF	C	ON	D	Type A
SW2		ON		OFF		OFF		ON		
SW3		OFF		OFF		ON		ON		

Connector Pin Assignment	
#1	Top
#2	Right
#3	Bottom
#4	Left

SW1	Orientation mode selection switches	ON	A	OFF	B	ON	C	OFF	D	Type B
SW2		OFF		OFF		ON		ON		
SW3		OFF		ON		ON		OF		

Connector Pin Assignment	
#1	Left
#2	Top
#3	Right
#4	Bottom

Notes:

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

■ 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	-5ºC to +60ºC
	Storage temperature	-30ºC to +70ºC
	Humidity	20% RH to 85% at +38ºC 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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