FUJITSU

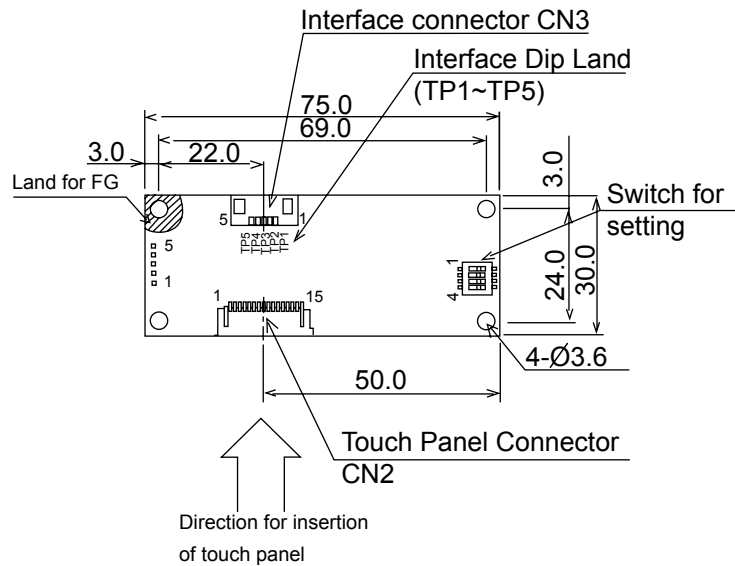T H E   P O S S I B I L I T I E S   A R E   I N F I N I T E

TOUCH PANEL CONTROL BOARD 7-WIRE SERIAL

N16B-0558-B280 Serial Interface Controller Board Quick Reference
7-Wire Resistive Touch Panels

Interface connector CN3
Interface Dip Land (TP1~TP5)
75.0
69.0
3.0
22.0
Land for FG
3.0
Switch for setting
24.0
30.0
4-Ø3.6
50.0
Touch Panel Connector CN2
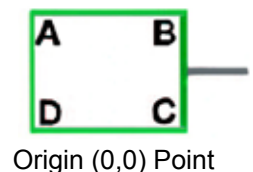Direction for insertion of touch panel

■   **FEATURES**
• High quality and reliability touch panel control board with switch selectable cable tail exit direction.
• RS232C Interface for direct connection to PC serial interfaces.
• Used to control the 7-wire resistive touch panels (in PnP or non-PnP mode).
• RoHS compliant

■   **SWITCH SETTINGS**

| SW1 | Orientation mode selection switches | ON | A | OFF | B | ON | C | OFF | D |
| SW2 | | ON | | ON | | OFF | | OFF | |

SW3: PnP setting: SW3 ON is PnP enable, SW3 OFF is PnP disable

A   B
D   C
Origin (0,0) Point

■   **CONSTRUCTION**

Specification Item		N16B-0558-B280 7-Wire Serial Control Board
Mechanical	Size / Weight	75mm x 30mm / 30 g
Electrical	Supply voltage(max./min.)	Vcc 5.5V at Vss=6V/Vcc is 4.5V at Vss=0.3 V
	Operating current (detect)	57 mA at Vcc = 5V and T = 25 degrees
	Sleep Mode current1	16 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 CN2 (FCI: SFW15R-1STAE1-LF)**

■   **INTERFACE CONNECTION CN3 (Molex: 53398-0571)**

		-B280	Host
1.	+5V (Vcc)	1+5V	+5V
2.	Transmit data	2 TXD	RXD
3.	Receive data	3 RXD	TXD
4.		4 CTS	RTS*
5.	Ground	5 Gnd	Gnd

* optional: used for plug-n-play detection

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

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