

FUJITSU Component Touch Panel Control Board (dual input)

FID-1850-130

Control Board Quick Reference

Features

- Control board for resistive touch panels' dual input
 - Corresponds to USB interfaces
 - Custom designs available
 - RoHS compliant
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- Major applications
Operation panel for POS/ECS, copier, FAX, industrial and medical terminals.



- Control board part number

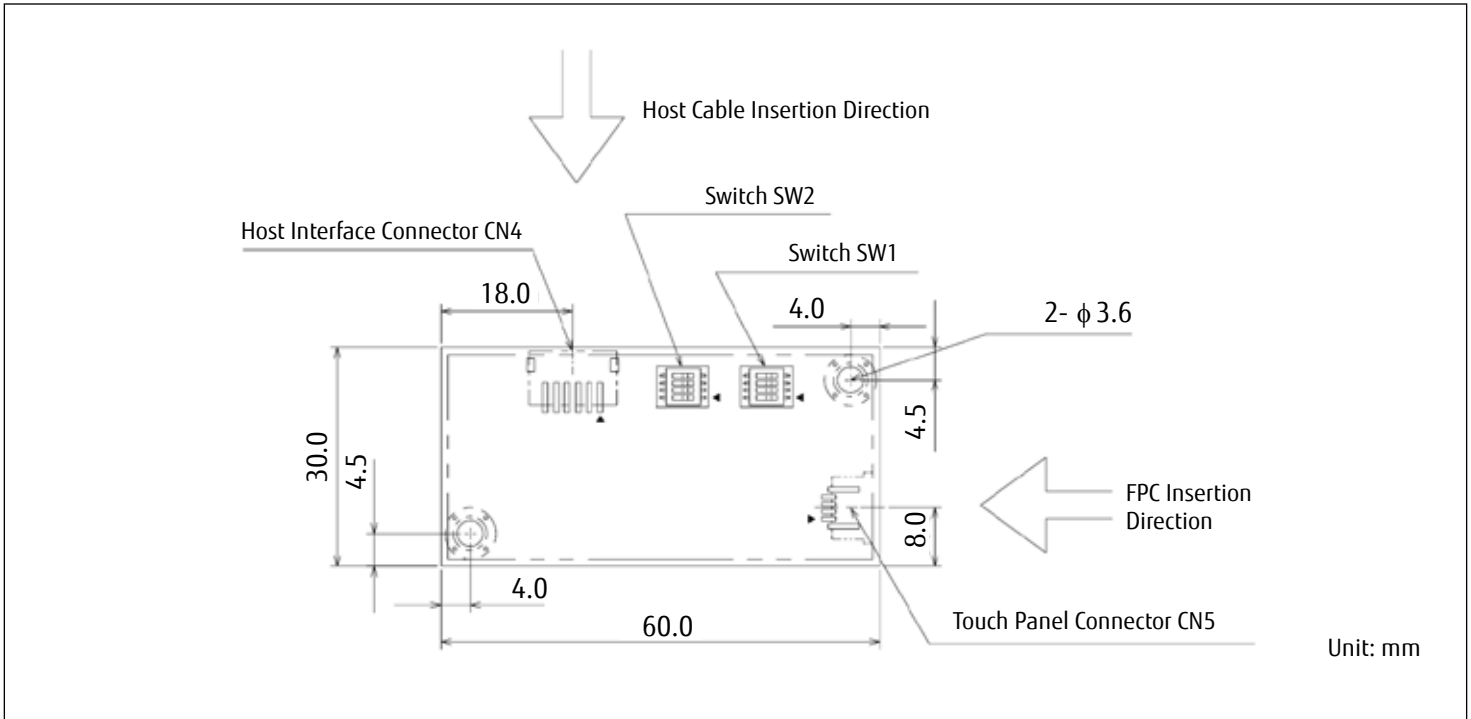
Part Number	Interface	Touch Panel series
FID-1850-130	USB full speed	4-wire

- Specifications

Item	Specifications
Part number	FID-1850-130
Interface	USB
Transmission method	Interrupt
Transmission speed	Full speed
Sampling speed	125pps (max.)
Resolution	16384 x 16384
Power supply	5VDC±10%
Current consumption	Operate 20mA
	Suspend 2.5mA
Operating temperature/humidity	-5°C to +60°C / 20%RH to 85%RH (no condensation)
Storage temperature/humidity	-30°C to +70°C / 20%RH to 85%RH (no condensation)
Dimension	60 x 30mm

■ Dimensions

For USB interface: FID-1850-130 (4-wire)



Unit: mm

■ Pin assignment

CN4 (USB connector)
Connector P/N: S6B-ZR-SM4 (LF) (SN) (JST) or equivalent

Pin #	Signal	Description
1	V _{BUS}	Vcc (5V)
2	D-	D-
3	D+	D+
4	Ground	Vss (0V)
5	FG	Frame ground
6	N.C.	No connected

CN5 (Connector for touch panel)
Connector P/N: SFW4R-1STAE1-LF (FCI) or equivalent

Pin #	Signal		Description
	Circuit 1	Circuit 2	
1	Left	Upper	Panel drive terminal PSW1, PSW5
2	Upper	Right	Panel drive terminal PSW4
3	Right	Down	Panel drive terminal PSW2
4	Down	Left	Panel drive terminal PSW3, PSW6

■ DIP switch setting

DIP switch SW1

Knob #	Function
1	X-Y coordinates are replaced
2	Y coordinate value is reversed
3	X coordinate value is reversed
4	Flash mode select

DIP switch SW2

Knob #	Function
1	Reserve
2	Dual/single touch mode select
3	Digitizer/mouse mode select
4	Reserve

■ Control IC

Part number	Output interface	Dimensions	Package
FID-1860-002	Serial (Asynchronous)	7.0 x 7.0 x 1.7mm body, 48 pin SQFP	Tray
FID-1860-005	USB interface	7.0 x 7.0 x 1.7mm body, 48 pin SQFP	Tray

■ Option (Stylus pen)

Part number	Type	Specification
N010-0557-T002	Small	Tip : R0.8 Polyacetal resin, Pen point load: Approx. 0.33N, Diameter: 5.4mm, length: 110mm, weight: Approx. 3g, color: black
N010-0557-T011	Standard	Tip: R0.8 Polyacetal resin, Pen point load: Approx. 0.33N, Diameter: 8.0mm, length: 140mm, weight: Approx. 10g, color: light gray

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