

PRODUCT DATA SHEET

Title: Resistive Touch Panel Controller (4 wire and 5 wire combo RS232 type)	Doc ID	Date 2015/12	Ver. 3.3
	Product TCA2S		

Description

TCA2S is a resistive touch panel controller for **RS232** port and is able to be used with **4-wire** or **5-wire** analog resistive panel. It is with drivers supporting many kinds of operation systems such as Windows, Linux and Macintosh.

Specification

Resolution :	4096 x 4096 (ADC 12 bit)
Touch Panel :	4-wire or 5-wire
Interface :	RS232
LED :	Touch / un-touch indication
Power :	Derived form PS2 port
Power consumption :	35mA / 5V typical
Respond time :	12.5ms (80 rps)
Dimension :	PCB 60 x 35 mm
Connector Type :	Wafer / FPC / Pin Header
Operation Temperature :	-40°C ~ 85°C
Storage Temperature :	-40°C ~ 105°C
Regulatory Approvals :	CE,FCC,BSMI

Figure : Photo of controller board:



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Interface Specifications

Interface for Host side :

J1 : For RS232 connector

2.00mm Wafer 90° Type

Pin No.	Specifications
1	TXD
2	RXD
3	VCC
4	RTS
5	GND

J2 : Extra Power (+5V)

2.00mm Wafer 180° Type

Pin No.	Specifications
1	VCC
2	GND

Interface for Touch Panel side :

J5 : For 5 wire panel connector

2.54mm Pin Header Double Rows 90° Type

Pin No.	Specifications
1	Lower Left
3	Upper Left
5	Top Sheet
7	Lower Right
9	Upper Right

J5/J3 : For 4 wire panel connector

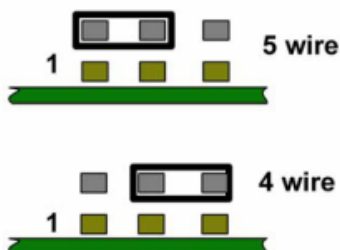
(J5) 2.54mm Pin Header Double Rows 90° Type

(J3) 1.00mm FPC SMD Side Entry Type

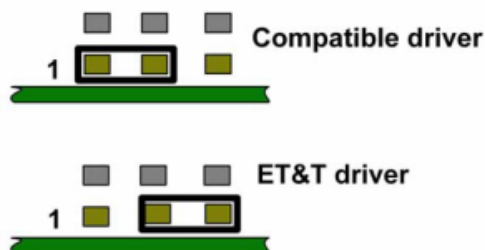
(J5)Pin No.	(J4)Pin No.	Specifications
2	1	Left
4	2	Right
6	3	Lower
8	4	Upper

J7 : For choose touch function Jump (1.0mm)

Pin description of J7 (Upper Layer)



Pin description of J7 (Lower Layer)



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Figure : Size of controller board

