

PRODUCT DATA SHEET

Title: Resistive Touch Panel Controller (5 wire USB type)	Doc ID	Date 2015/12	Ver. 3.4
	Product TC5UH		

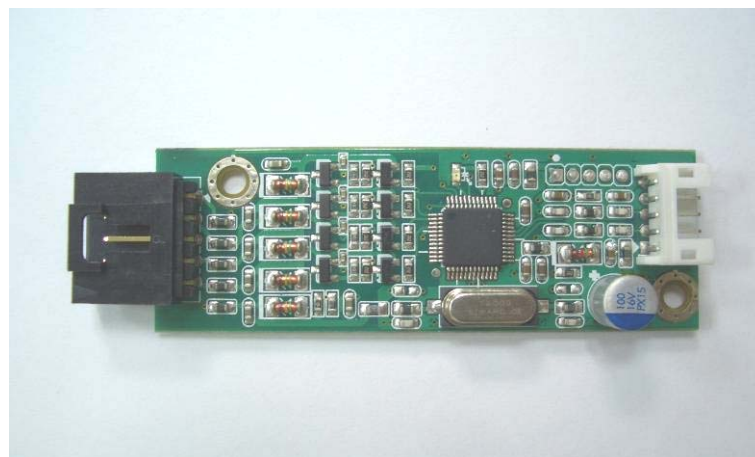
Description

TC5UH is a resistive touch panel controller for **USB** port and is able to be used with **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 :	5-wire
Interface :	USB 1.1
LED :	Touch / un-touch indication
Power :	Derived form USB port
Power consumption :	30mA / 5V typical
Respond time :	10ms (100 rps)
Dimension :	PCB 65 x 22 mm
Connector Type :	Wafer / Shrouded Header
Operation Temperature :	-40°C ~ 85°C
Storage Temperature :	-40°C ~ 125°C
Regulatory Approvals :	CE,FCC,BSMI

Figure : Photo of controller board:



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Interface Specifications

Interface for Host side :

J2 : For USB connector

2.00mm Wafer 90° Type

Pin No.	Specifications
1	VCC
2	D-
3	D+
4	GND
5	Frame Ground

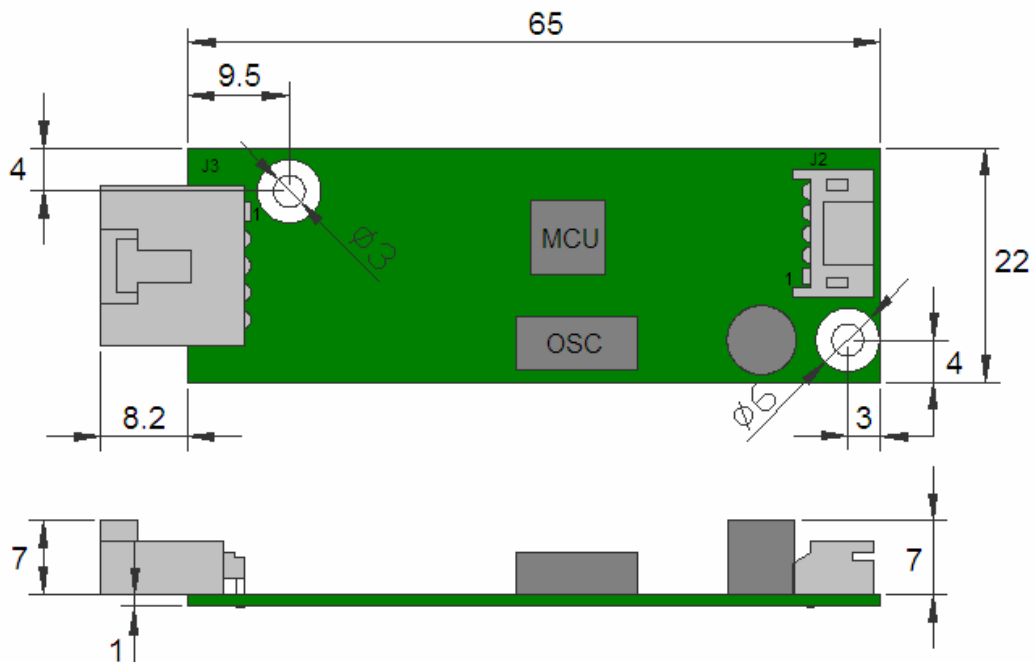
Interface for Touch Panel side :

J3 : For Panel connector

2.54mm Shrouded Header 90° Type

Pin No.	Specifications
1	Lower Left
2	Upper Left
3	Top sheet
4	Lower Right
5	Upper Right

Figure : Size of controller board



Unit : mm