

PRODUCT DATA SHEET

Title: Resistive Touch Panel Controller (5 wire USB type)	Doc ID	Date 2023/04/14	Ver. 1.3
	Product TC5UH-E		

Description

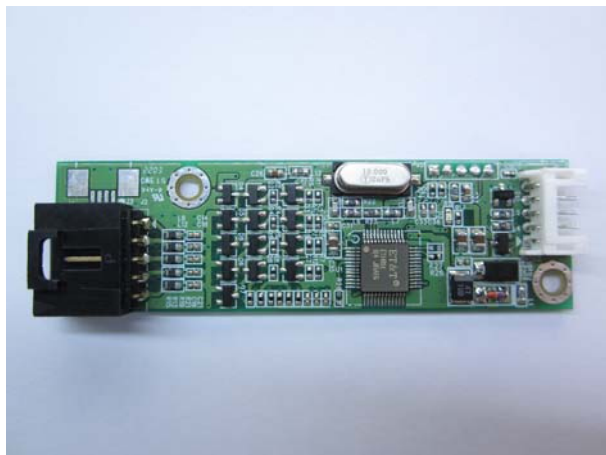
TC5UH-E is a resistive touch panel controller for **USB** port and is able to be used with **5-wire** analog resistive panel. No need extra drivers for many kinds of operation systems such as Windows, Linux and Macintosh. It supports plug and play features. It provides calibration tool for calibration features.

Provides calibration tool for controller with touch monitor. Don't need to recalibrate for touch monitor when system changed.

Specification

Resolution :	4096 x 4096 (ADC 12 bit)
Touch Panel :	5-wire
Interface :	USB 2.0
LED :	Touch / un-touch indication
Power :	Derived form USB port
Power consumption :	30mA / 5V typical
Respond time :	10ms (100 rps)
Dimension :	PCB 75 x 22 mm
Connector Type :	Wafer / Shrouded Header
Operation Temperature :	-40°C ~ 85°C
Storage Temperature :	-40°C ~ 105°C

Figure : Photo of controller board:



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Interface Specifications

Interface for Host side :

J1 : 2.00mm Wafer 90° Type

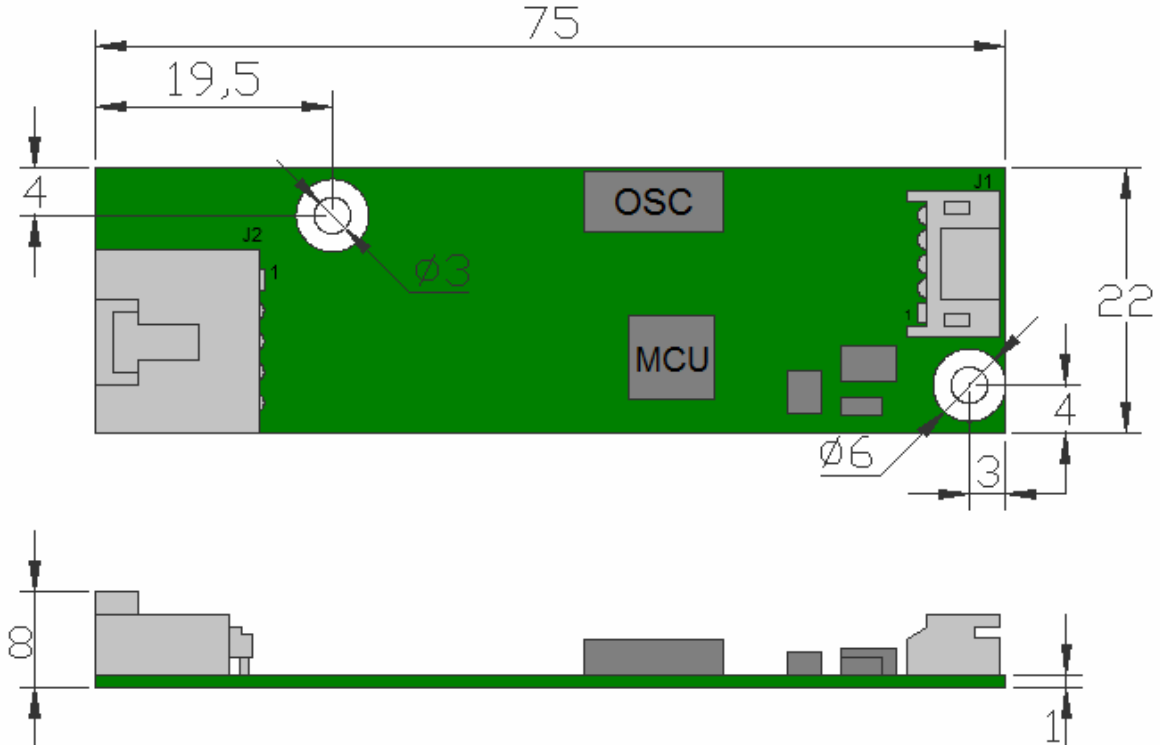
Pin No.	Specifications
1	VCC
2	D-
3	D+
4	GND
5	Frame Ground

Interface for Touch Panel side :

J2 : 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

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