

**PRODUCT DATA SHEET**

Title: <b>Resistive Touch Panel Controller (4 wire USB type)</b>	Doc ID	Date 2023/04/14	Ver. 1.2
	Product <b>TC4UP-E</b>		

**Description**

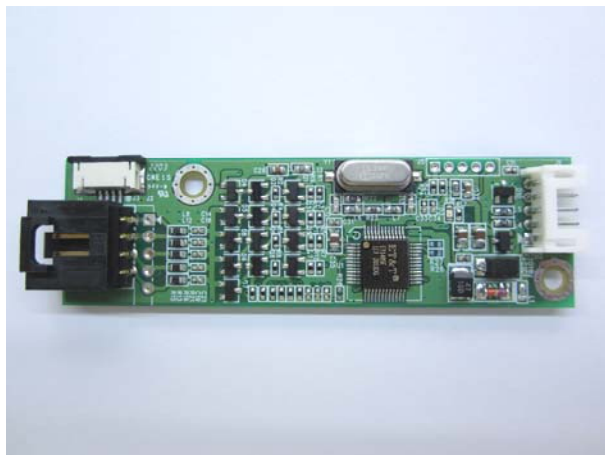
**TC4UP-E** is a resistive touch panel controller for **USB** port and is able to be used with **4-wire** analog resistive panel. No need extra drivers for many kinds of operation systems such as Windows, Linux and Macintosh. It supports plug and play features. It provides calibration tool for calibration features.

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

**Specification**

<b>Resolution :</b>	4096 x 4096 (ADC 12 bit)
<b>Touch Panel :</b>	4-wire
<b>Interface :</b>	USB 2.0
<b>LED :</b>	Touch / un-touch indication
<b>Power :</b>	Derived form USB port
<b>Power consumption :</b>	30mA / 5V typical
<b>Respond time :</b>	10ms (100 rps)
<b>Dimension :</b>	PCB 75 x 22 mm
<b>Connector Type :</b>	Wafer / Shrouded Header / FPC
<b>Operation Temperature :</b>	-40°C ~ 85°C
<b>Storage Temperature :</b>	-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

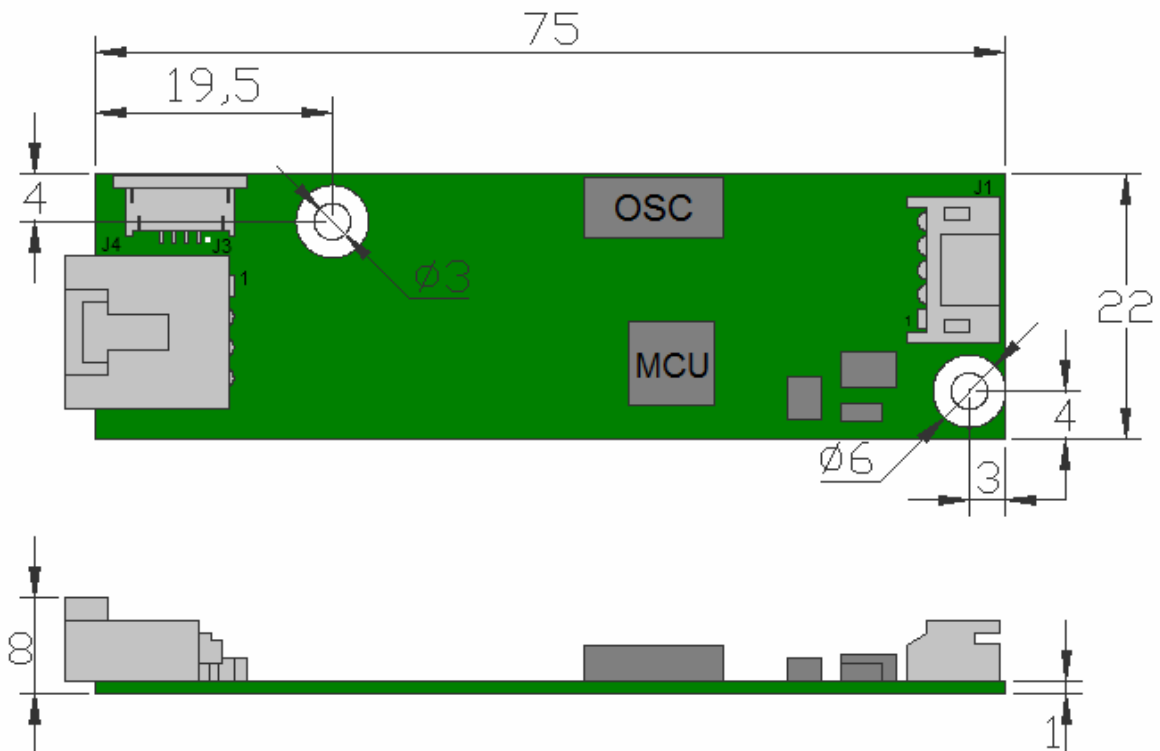
Interface for Touch Panel side :

J3 : 2.54mm Shrouded Header 90° Type

J4 : 1.0mm FPC connector

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

**Figure : Size of controller board**



**Unit : mm**

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