



# **Product Specifications**

## **Touch Panel Controller**

### **TMC-5770**

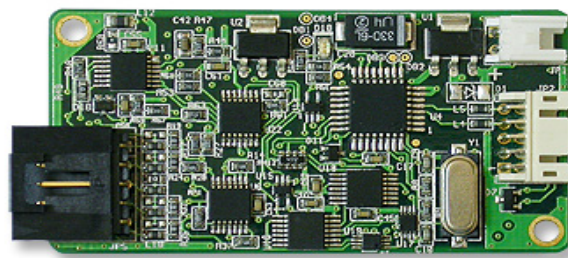
Product Version: V1.106



**RoHS Compliance**

**Issue Date: May-04-2009**

**Document Version: 1.2**



## Revision History

[illegible]

**Overview:**

The touchscreen controller provides the optimistic performance for 5-wire analog capacitive touch panels. It communicates with PC system directly through USB (work with TU-Cable-2410180) port or RS-232 (work with TD-Cable-2910180) port. The touchscreen device driver is able to emulate mouse left and right button for various operation systems.

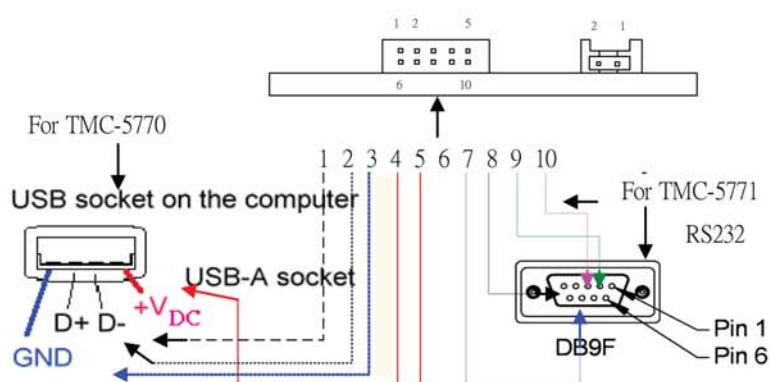
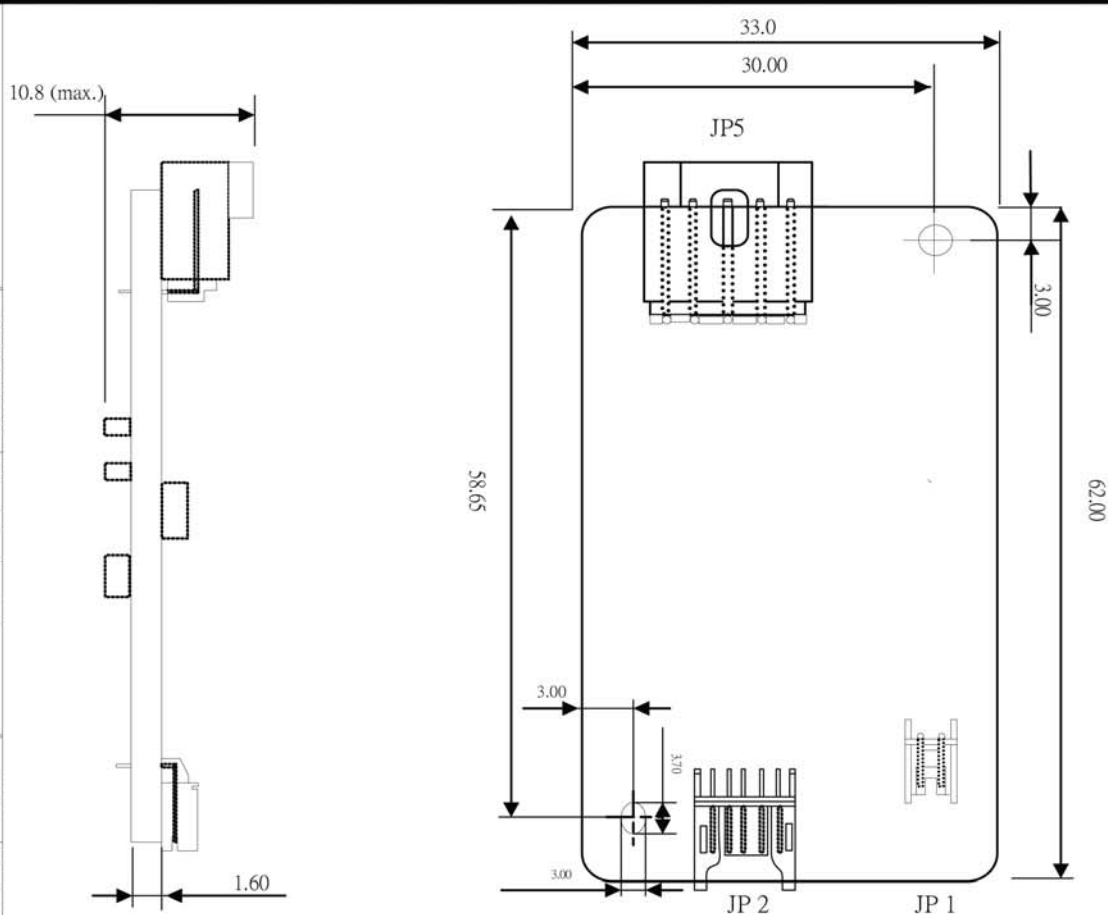
**Hardware Specifications**

Circuit Board Dimension	62.00mm x 33.00mm
Power Requirements	DC + 5V (Maximum 75mA, 50mV peak to peak maximum ripple and noise)
Operation Temperature	-40°C to 80°C
Storage Temperature	-40°C to 90°C
Relative Humidity	95% at 60°C
Interface	USB mode: USB 2.0compliant
Resolution	2048 x 2048
Report Rate	USB mode: Max.250 points/sec RS-232 mode: Max.166 points/sec
Response Time	Max.20 ms
Pin out Definition	LT, RT, SD, RL, LL
Regulatory Approvals	FCC-B, CE
Green Product	RoHS

**Software Support:**

The touchscreen device driver supports operation systems, including MS-DOS, Windows 95, Windows 98, Windows ME, Windows NT 4.0, Windows 2000, Windows XP, Windows CE 2.12/3.0/ net/5.0, Linux Series (Up to kernal 2.6), MAC/OS, etc.

DESCRIPTION	Touch Panel controller	DATE	March. 13, 2007	APPROVED		Rev.	C
MODEL	TMC-5770	SCALE	- / -	DESIGN		Page	1 of 1
PART NO.		UNIT	mm.	DRAWING		B-Page	of



PIN NO.	DESIGNATION
1	LT
2	RT
3	SD
4	RL
5	LL

PIN NO.	DESIGNATION
1	GND
2	V <sub>CC</sub>
3	GND
4	DATA+
5	DATA-
6	GND
7	V <sub>CC</sub>
8	GND
9	PC_TXD
10	PC_RXD

PIN NO.	DESIGNATION
1	GND
2	V <sub>CC</sub> = 1.2V