



# Product Specifications

## Touch Panel Controller

**TMC-5770**

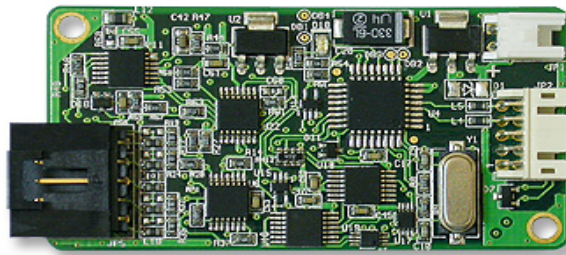
Product Version: V1.26



**RoHS Compliance**

**Issue Date: Jul-11-2008**

**Document Version: 1.0**



**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	0°C to 70 °C
Storage Temperature	-40°C to 80°C
Relative Humidity	95% at 60°C
Interface	USB mode: USB 2.0compliant RS-232 mode: Bi-direction RS-232 serial communication
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

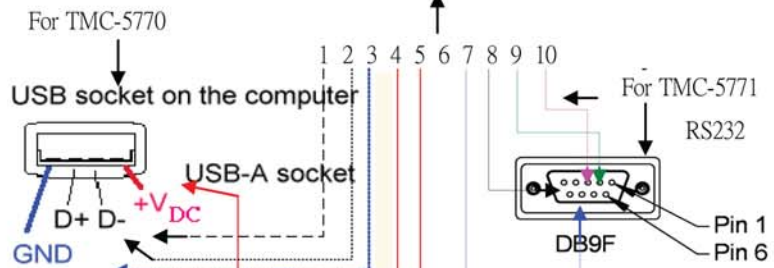
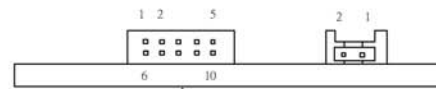
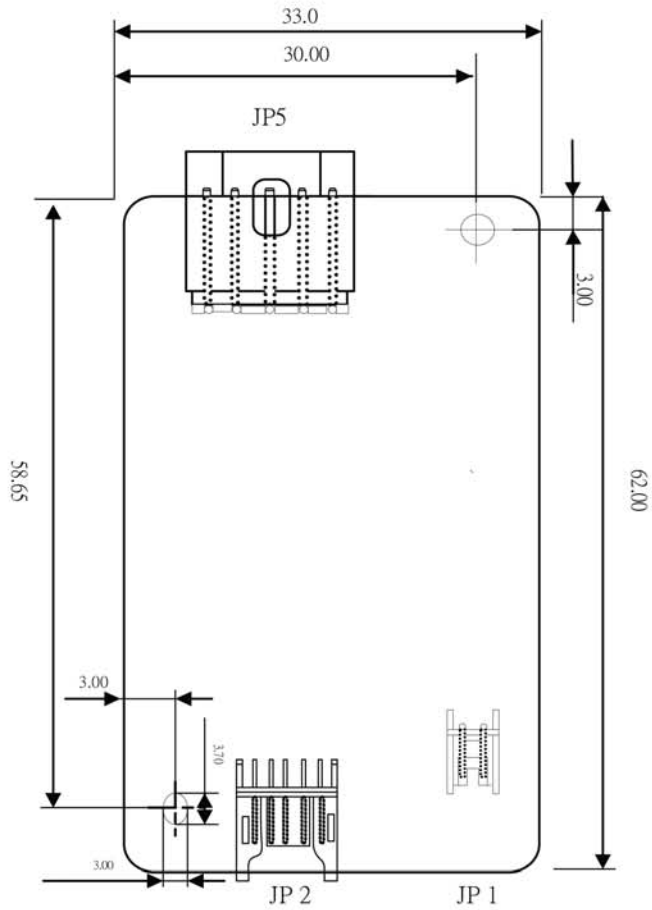
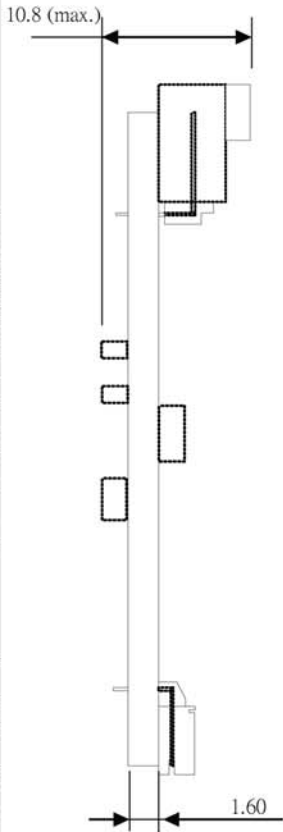
**Software Support:**

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
MODEL	TMC-5770
PART NO.	
DATE	March, 13, 2007
SCALE	- / -
UNIT	mm.

APPROVED	
DESIGN	
DRAWING	

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JP5	
PIN NO.	DESIGNATION
1	LT
2	RT
3	SD
4	RL
5	TL

JP2	
PIN NO.	DESIGNATION
1	GND
2	Vcc
3	GND
4	DATA+
5	DATA-
6	GND
7	Vcc
8	GND
9	PC_TWD
10	PC_RXD

JP1	
PIN NO.	DESIGNATION
1	GND
2	V+(-42V)