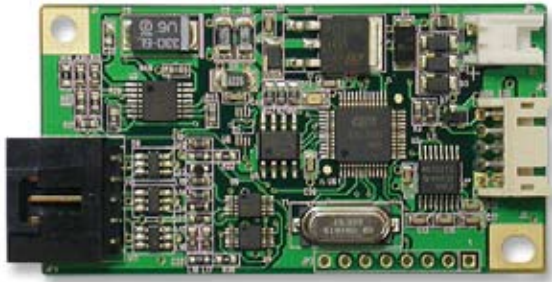


Capacitive Touch Screen Controller

TMC-5770



Overview:

The TMC-5770 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:

Item	Specification
1	Circuit Board Dimension 62.00mm x 33.00mm
2	Power Requirement DC + 5V (Maximum 75mA, 50mV peak to peak maximum ripple and noise)
3	Operation Temperature 0°C ~ 70°C
4	Storage Temperature -40°C ~ 80°C
5	Relative Humidity 95% at 60°C
6	Interface USB mode: USB 2.0 compliant RS-232 mode: Bi-direction RS-232 serial communication
7	Resolution 2048 x 2048 pixel
8	Report Rate USB mode: Max. 250 points/sec RS-232 mode: Max. 166 points/sec
9	Response Time Max. 20 ms
10	Pin Out Definition LT, RT, SD, RL, LL
11	Regulatory Approval FCC-B, CE
12	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.

Ordering Information:

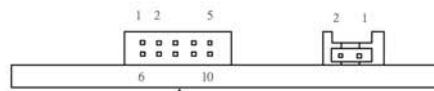
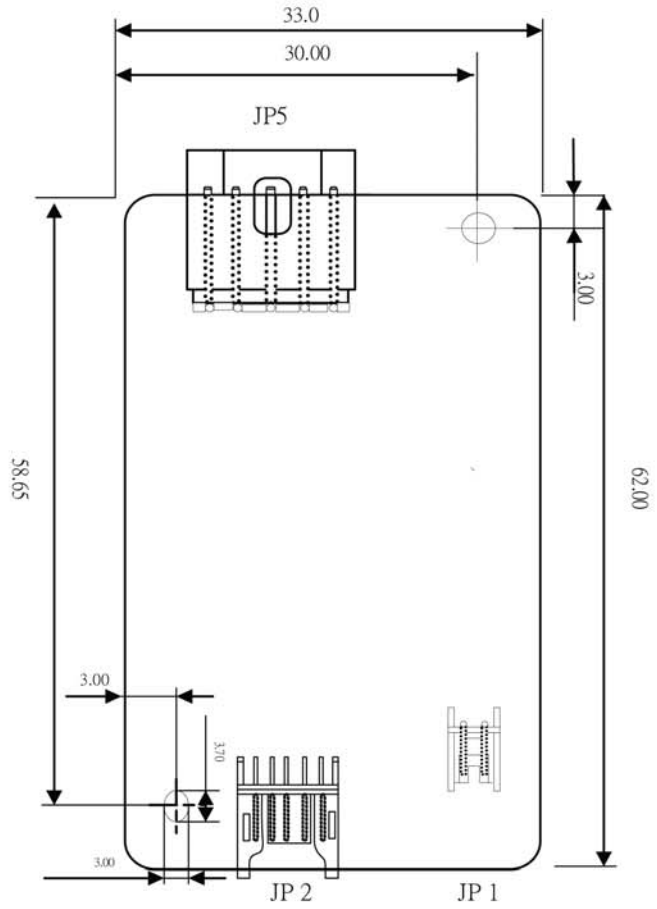
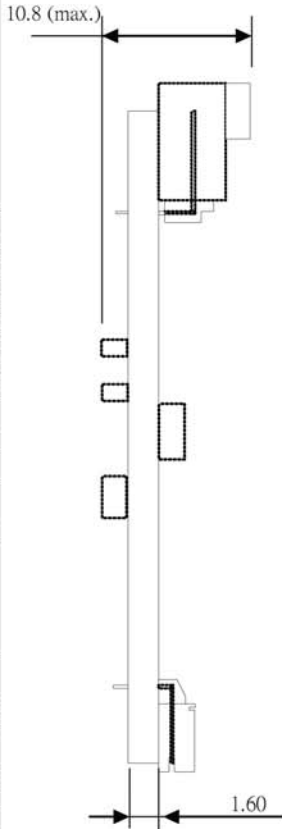
- TMC-5770 (5-wire, Capacitive Controller, USB or RS-232 Interface)

DESCRIPTION	Touch Panel controller
MODEL	TMC-5770
PART NO.	

DATE	March, 13, 2007
SCALE	- / -
UNIT	mm.

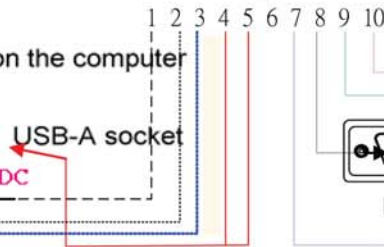
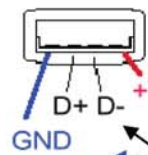
APPROVED	
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DRAWING	

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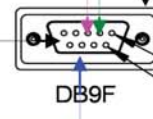
For TMC-5770

USB socket on the computer



For TMC-5771

RS232



DB9F

PIN NO.	DESIGNATION
1	GND
2	V ₊ 5-12V

PIN NO.	DESIGNATION
1	GND
2	V _{cc}
3	GND
4	DATA+
5	DATA-
6	GND
7	V _{cc}
8	GND
9	PC_TXD
10	PC_RXD

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