



Product Specifications

Touch Panel Controller

THC-5650

Product Version: V01



RoHS Compliance

Issue Date: Oct-31-2007

Document Version: 1.2



Overview:

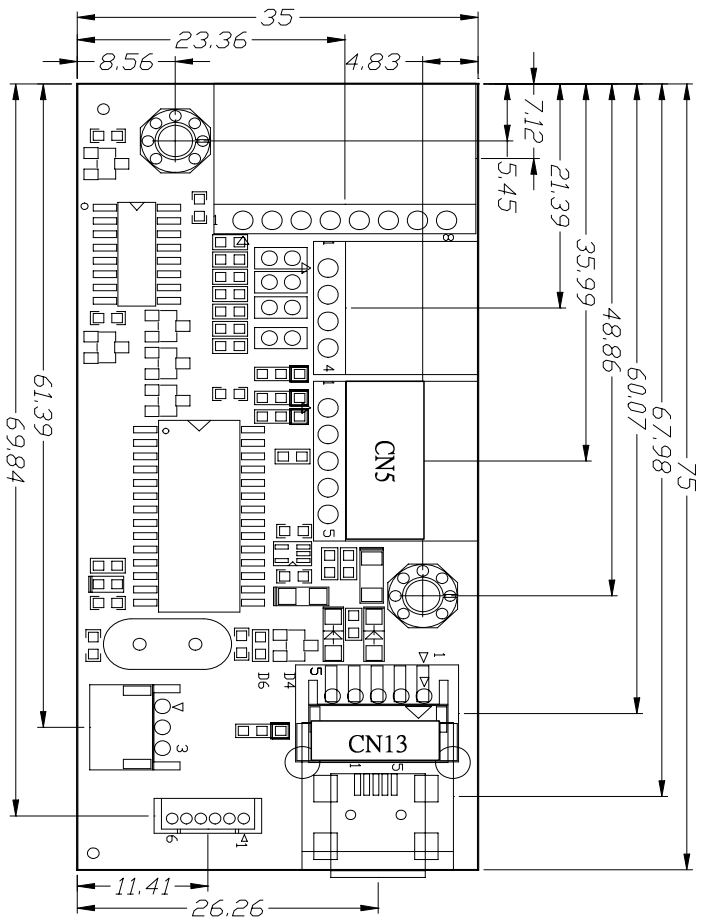
The THC-5650 provides the optimistic performance for most 5-wire analog resistive touch panels. It communicates with PC system directly through USB port. The touchscreen device driver is able to emulate mouse left and right button for various operation systems.

Hardware Specifications

Circuit Board Dimension	75.00mm x 35.00mm
Touch Controller	Hampshire controller HSA01 series
Power Requirements	DC + 5V +/- 5%
Power Consumption	< 2 mA @ 4V, 4MHz
Brown out Voltage	2.7V
Operation Temperature	-40°C to 85 °C
Storage Temperature	-65°C to 120°C
Interface	USB mode: USB 2.0 compliant (1.5Mbs/sec)
Resolution	True 10-bit (1,024 x 1,024) ratio metric analog to digital converter (1,048,576 points in the field)
Position Detection Speed	> 120 pts/sec (unfiltered points)
Pin out Definition	UPPER RIGHT, LOWER RIGHT, 5W, UPPER LEFT, LOWER LEFT
Green Product	RoHS

Software Support:

Drivers are available for Windows™ 9X, 2K, ME, XP, NT™, DOS™, Linux™, MAC and other operating systems and their variations.



Touch Connector

CN5	
PIN NO.	DESIGNATION
1	UPPER RIGHT
2	LOWER RIGHT
3	SW
4	UPPER LEFT
4	LOWER LEFT

USB Connector

CN13	
PIN NO.	DESIGNATION
1	D-
2	D+
3	GND
4	+5V
5	GND

Spectrah Dynamics Inc.		DESCRIPTION	Touch Panel controller	DATE	March. 13.2007	APPROVED		Rev.	C
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