



# Specification of Resistive Controller Board & User Manual

Customer :  
Model : SAW  
Date :  
Version:

Acceptance Sheet			
Onetouch Technologies Co., Ltd.			
(Supplier)		(Purchaser)	
Date	Approval Signature	Date	Approval Signature

# SPECIFICATION REVISION RECORD

Customer :  
Customer NO. :

Issue Date :  
Model :

NO.	Version	Issue Date	Summary of Changes	Page

<Remarks>

# Note !!

Please avoid using it on the products correlated with the human life. (For example: Medical apparatus, universe apparatus, plane, seafloor relay apparatus, etc. needs high trusting thing)

If consider applying to the control of transporting apparatus (train, automobile, boat) or as correlated security, please tell to seller in advance. The quality of this product is used in general products mainly ( Computer, OA machine, FA machine, communication apparatus, measurement apparatus, AV machine, etc. )

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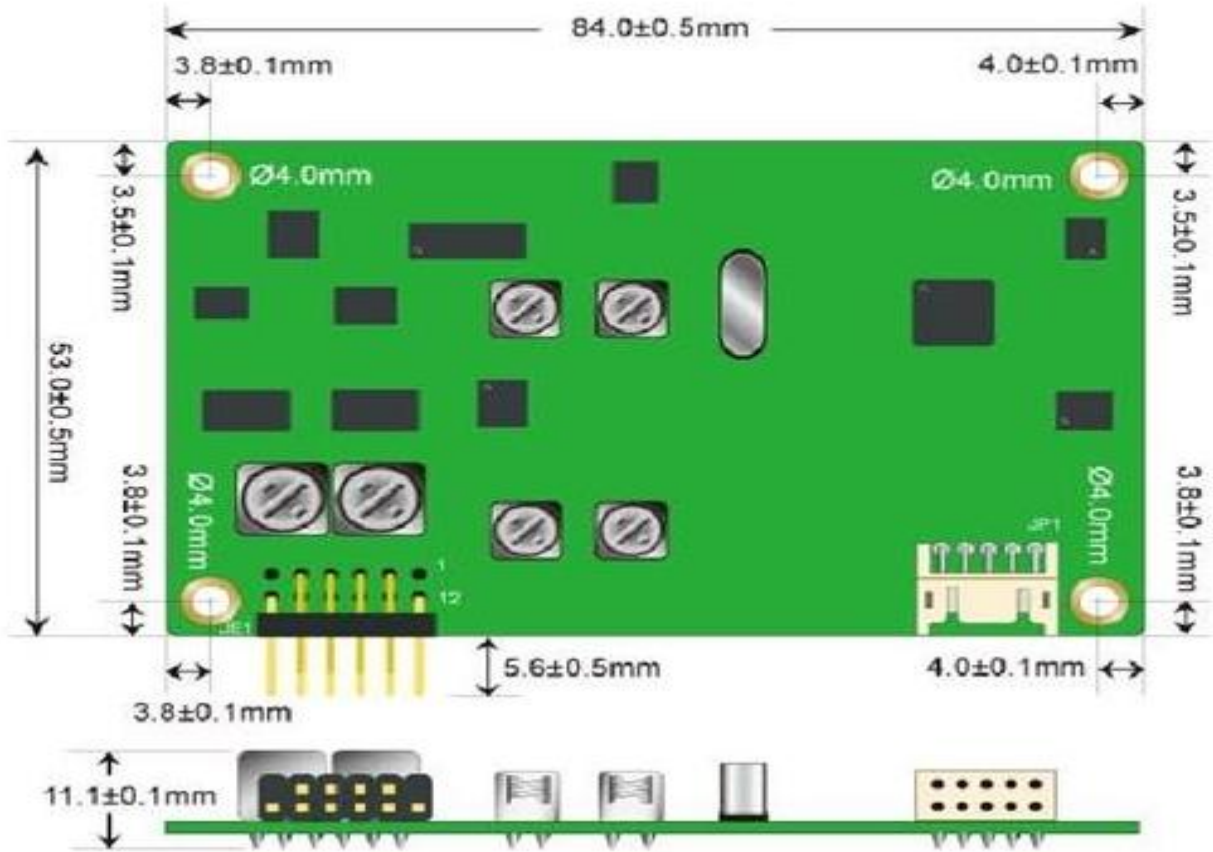
# SAW

## Touch Panel Controller

This touch panel controller provides the optimistic performance of the Surface Acoustic Wave touch panels. It communicates with PC system directly through RS232 or USB connector. You can see how superior the design is in sensitivity , accuracy and friendly operation. The touch panel driver emulates mouse left and right button function and supports operation systems as following.

<b>OS</b>	<b>Version</b>	<b>Interfaces</b>
<b>Windows</b>	Windows Vista, XP/2000, 9x/ME Windows CE 2.12/3.0/.net/5.0/6.0 Windows Embedded Windows XP Tablet PC edition Windows Vista	RS232/USB
<b>Windows</b>	Windows NT4	RS232
<b>Linux</b>	Mandrake (Mandrake 9.1/9.2/10, Mandriva 2005, Mandriva 2006), Red Hat (7.3/8.0/9.0), Fedora (Core I/II/III/IV/V/VI), Yellow Dog (3.X) , SuSE (9.2/9.3/10/10.1), Ubuntu (5.1/6.06), Debian (3.1, Kernel 2.4.x/2.6.x)	RS232/USB (up to Kernel 2.6.x)
<b>DOS</b>	DOS	RS232
<b>Mac</b>	Mac OS, Mac OS X (PowerPC, intel CPU)	USB
<b>QNX</b>	QNX RTOS v6.3	RS232/USB

# Controller:



## Specifications:



<b>Circuit Board Dimension</b>	84mm x 53mm (3.3 inches x 2.09 inches)
<b>Power Requirements</b>	4.75V ~ 5.25 VDC (50mv, peak to peak maximum ripple) Current 80mA
<b>Power Dissipation</b>	30mW
<b>Operating Current</b>	75mA
<b>Operating Temperature</b>	-20°C to 60 °C
<b>Storage Temperature</b>	-20°C to 80 °C
<b>Relative Humidity</b>	95% at 60 °C, 10%-90% Non-Condensing
<b>Interface</b>	Bi-directional RS-232 serial communication USB: 2.0 compliant
<b>Protocol</b>	RS232:No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600) USB: Full Speed, USB 2.0 compliant
<b>Resolution</b>	2048×2048
<b>Report rate</b>	RS232 : 133points/sec USB : 200points/sec
<b>Response time</b>	Max. 35 ms
<b>Attached Cable</b>	RS232: 6' shielded cable with 9-pin D-sub connector USB: 6' shielded cable with A type connector for USB Y converter cable
<b>Regulatory Approvals</b>	FCC-B , CE
<b>EMI</b>	Unaffected by environmental EMI
<b>Electro-Static Discharge (ESD)</b>	15KV, 8KV Contact



## Features:

<b>Alignment</b>	Fast 4 Points Alignment
<b>Linearization</b>	9, 25 Points Linearization
<b>Setting</b>	Support Multi-Controller and Dynamical Add/Remove.
<b>Languages Support</b>	Support 11 languages in Windows.
<b>Mouse Emulation</b>	Right/Left buttons emulation
<b>HID Touch Digitizer</b>	Support Vista HID Touch Digitizer
<b>HID Mouse</b>	Support HID Mouse
<b>Sound Feedback</b>	Sound on Touch Sound on Lift No Sound
<b>Double Click</b>	Configurable Speed Configurable Range
<b>Monitor Support</b>	Monitor Rotation Supported Multiple Monitor Supported Split Display Supported
<b>LED indicator</b>	Flashing, Standby Constant On, On Touch Off, Error

## Controller Panel Pin Assignment:

(1) For Panel

<b>GND</b>		2
<b>Y+Rec</b>	<b>Y+Tran</b>	
<b>Y-Rec</b>	<b>Y-Tran</b>	
<b>GND</b>	<b>X-Tran</b>	
<b>X-Rec</b>	<b>X+Tran</b>	
<b>X+Rec</b>		12

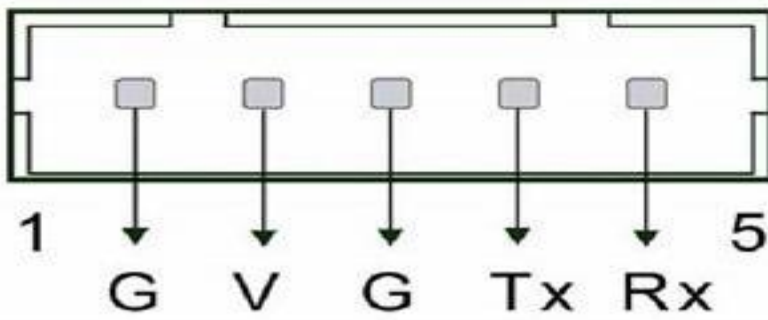
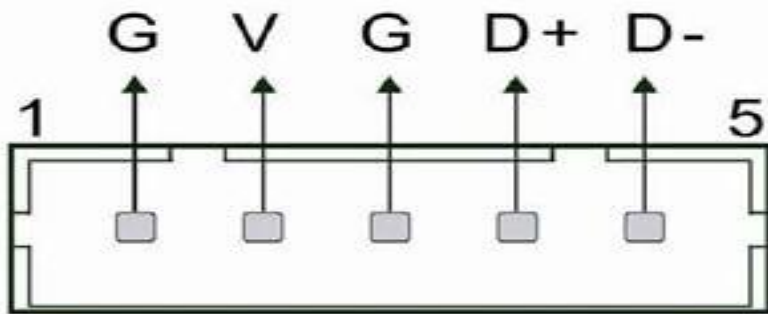
2						12
	<b>Y+Tran</b>	<b>Y-Tran</b>	<b>X-Tran</b>	<b>X+Tran</b>		
<b>GND</b>	<b>Y+Rec</b>	<b>Y-Rec</b>	<b>GND</b>	<b>X-Rec</b>	<b>X+Rec</b>	
1						11







### *USB Interface*



### *RS232 Interface*