Specification of Resistive Controller Board & User Manual

Customer：

Model：33-CAUSB-BBB2-0B01

Date：

Version：

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

SPECIFICATION REVISION RECORD

Customer ： **Issue Date** ：

Customer NO. ： **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)

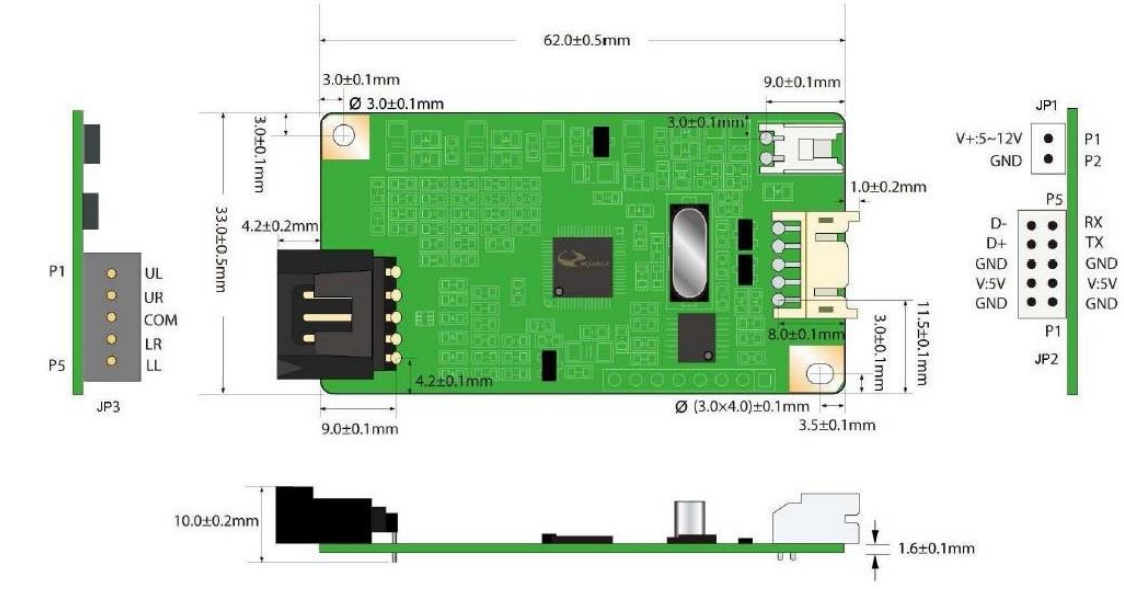
If consider applying to the control of transporting apparatus (train, automobile, boat) or as correlated security, please tell to seller in advance. The quality of this product is used in general products mainly (Computer, OA machine, FA machine, communication apparatus, measurement apparatus, AV machine,etc.)

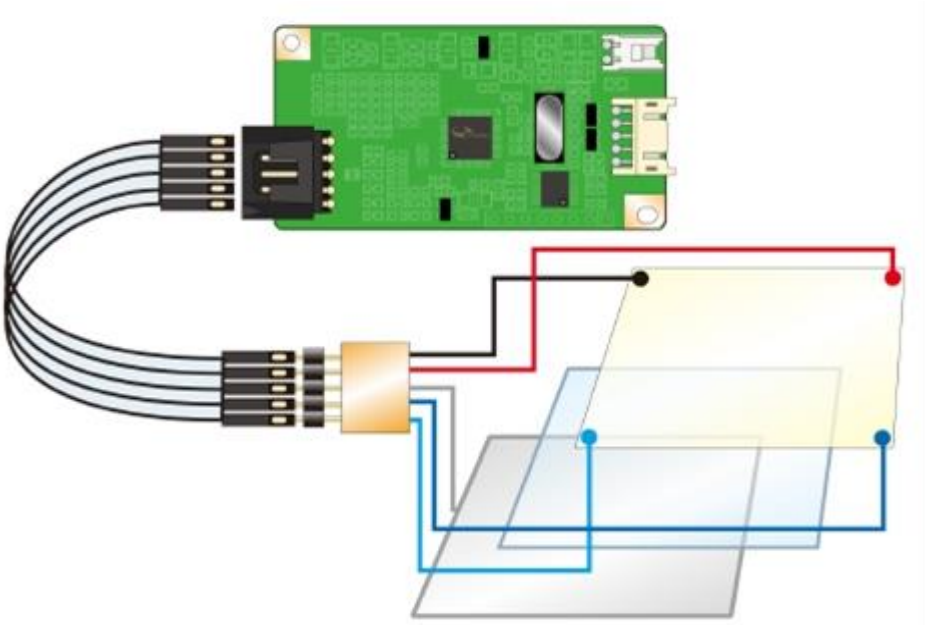
＊ The content of this specifications might change without a previous notice.

ONETOUCH launched touch control board to meet latest Restriction of Hazardous Substances (RoHS) Directive.
This touch panel controller provides the optimistic performance of your capacitive touch panels.
It communicates with PC system directly through USB or RS232 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.

OS	Version	Interfaces
Windows	Windows 8, 7, Vista, XP/2000, 98/ME Windows CE 2.12/3.0/4.0/5.0 /6.0 Windows Embedded XP Windows XP Tablet PC edition	RS232/USB
Windows	Windows NT4, Windows 95	RS232
Linux	Support kernel 2.4.x /2.6.x with XFree 4.x /xorg 6.7 to 7.5 (Up to X server 1.8x) The new Linux public driver supports most of the Linux distributions 32/64 versions, including: CentOS, Debian,Fedora,Gentoo,Mandrake (Mandriva),Red Hat, Ubuntu(Xubuntu),slackware, SuSE(open Suse) etc	RS232/USB
	Android 3.0 - Google Meego 1.x – Intel Nokia	RS232/USB I2C
DOS	DOS 6.22	RS232
Mac	Mac OS9, Mac OS X(PowerPC, intel CPU)	USB

Controller:


62.0±0.5mm
3.0±0.1mm
Ø 3.0±0.1mm
9.0±0.1mm
3.0±0.1mm
3.0±0.1mm
33.0±0.5mm
4.2±0.2mm
1.0±0.2mm
8.0±0.1mm
3.0±0.1mm
11.5±0.1mm
4.2±0.1mm
Ø (3.0x4.0)±0.1mm
3.5±0.1mm
9.0±0.1mm
P1
UL
UR
COM
LR
LL
P5
JP3
JP1
V+:5~12V
GND
P1
P2
P5
D-
D+
GND
V:5V
GND
RX
TX
GND
V:5V
GND
P1
JP2
10.0±0.2mm
1.6±0.1mm



Specifications:

Circuit Board Dimension	62mm x 33mm (2.455inches x 1.299inches)
Power Requirements	D.C.+5V exemal 5~12v unregulated power (Maximum 65mA，typical 40mA，50mV peak to peak maximum ripple and noise)
Operating Temperature	-40 to 85 ℃
Storage Temperature	-40 to 90 ℃
Relative Humidity	95% at 60 ℃
Interface	Bi-directional RS-232 serial communication USB:2.0 compliant
Resolution	2048×2048 resolution
Report rate	Adaptive Sampling Rate. Max. 180 point/sec.
Response time	Fast Mode:<25ms Slow Mode:<80ms
Attached Cable	RS232: 6' shielded cable with 9-pin D-sub connector USB: 6' shielded cable with A type connector for USB Y converter cable
Regulatory Approvals	FCC-B , CE
EMI	Unaffected by environmental EMI
Electro-Static Discharge (ESD)	Contact ±8KV， Air ±27KV
Protocol	RS232: No parity 8 data bits，1 STOP BIT, 4800~57600 baud (N,81,4800~57600) USB:Full Speed, USB2.0 compliant

Features:

Alignment	Fast 4 point Alignment
Linearization	9, 25 Linearzation
Setting	Support Multi-Controller and Dynamical Add/Remove
Languages Support	Support 11 languages in Windows
Mouse Emulation	Right/Left buttons emulations
HID Touch Digitizer	Support Vista HID Touch Digitizer
Sound Feedback	Sound on Touch Sound on Lift No Sound
Double Click	Configurable Speed Configurable Range
Monitor Support	Monitor Rotation Supported Multiple Monitor Supported Split Display Supported
EMI	Auto Frequency Control
LED Indicator	Flashing: Stray Update Constant On: On Touch Constant Off: No Power/Error

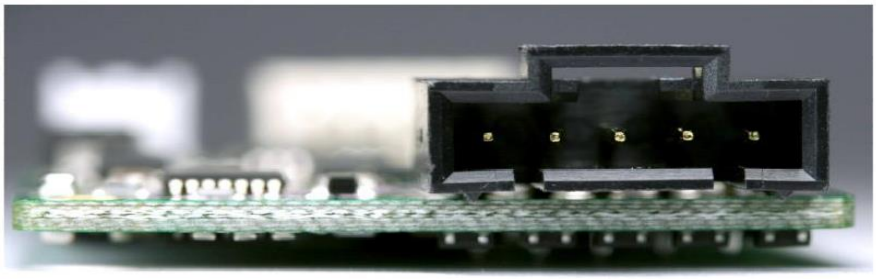
Product Package:

(1) Control board, v.1.047

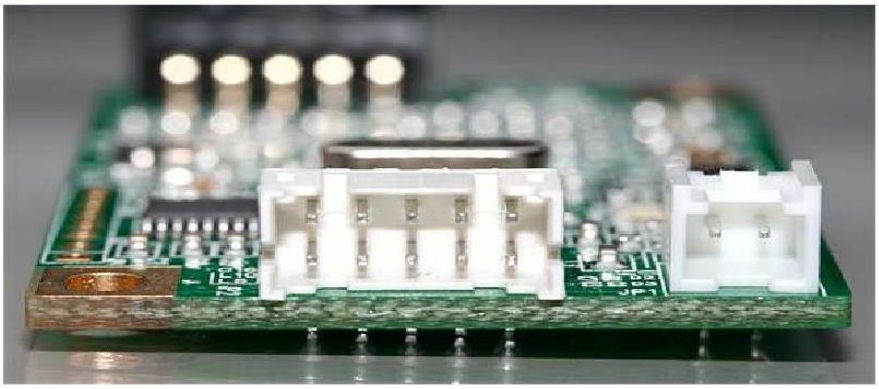
(2) Y converter cable

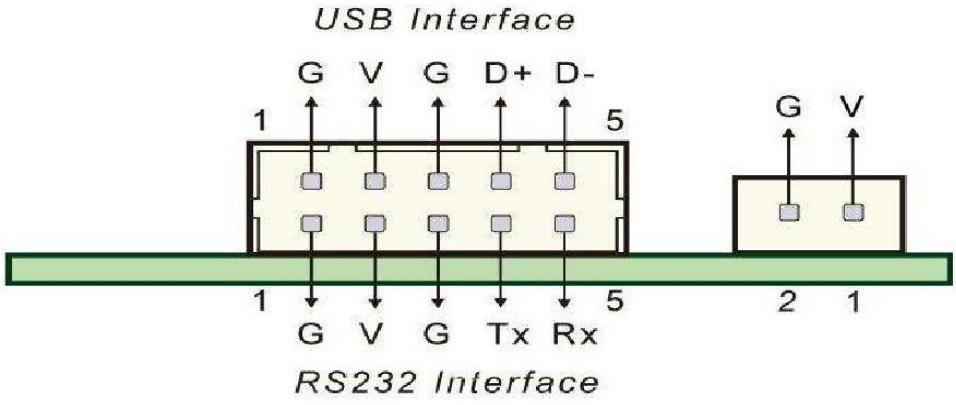
Controller Panel Pin Assignment (JP3):

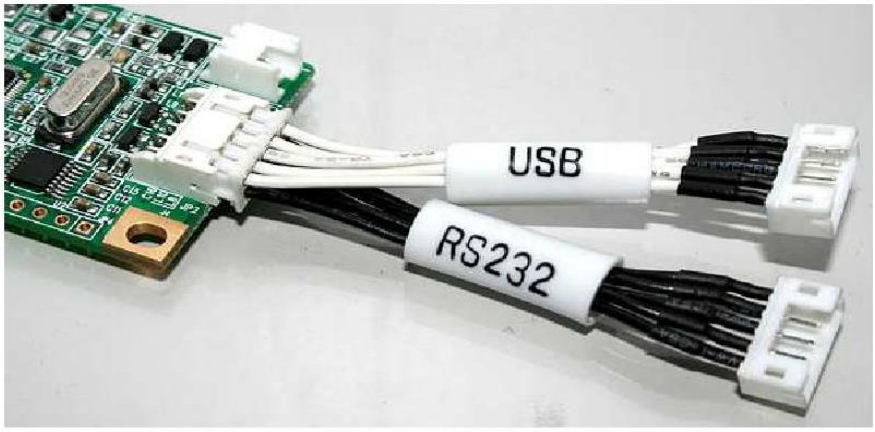
1	2	3	4	5
UL	UR	COM	LR	LL

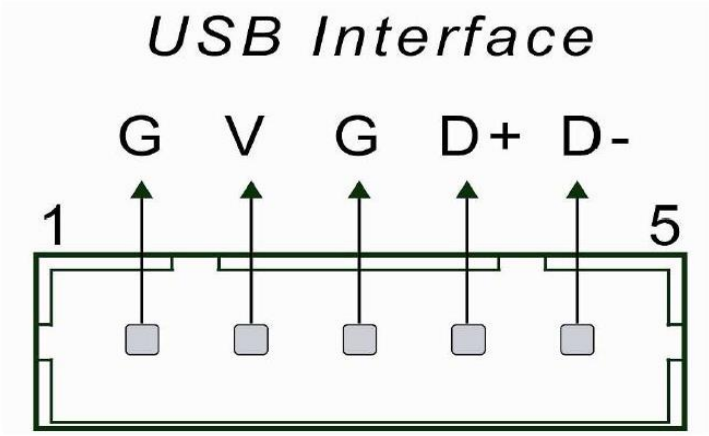


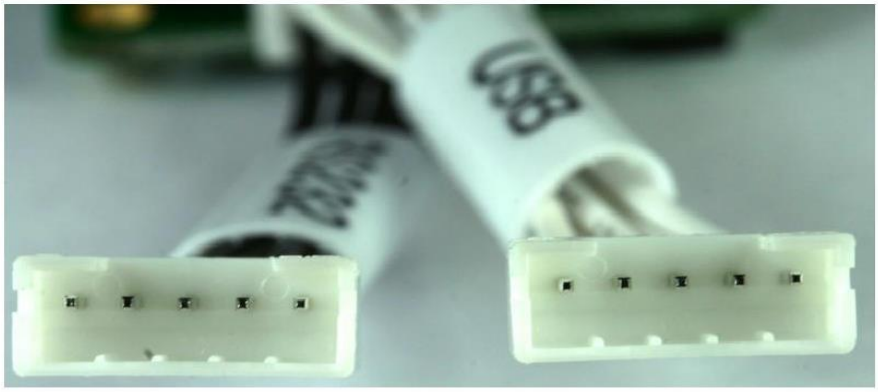
Controller Wafer Pin Assignment (JP2、JP1):

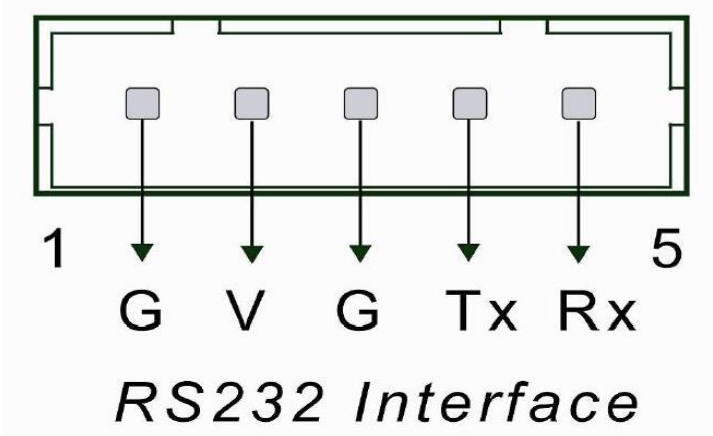





USB
RS232


USB Interface
G V G D+ D-
1
5


USB


1
5
G V G Tx Rx
RS232 Interface