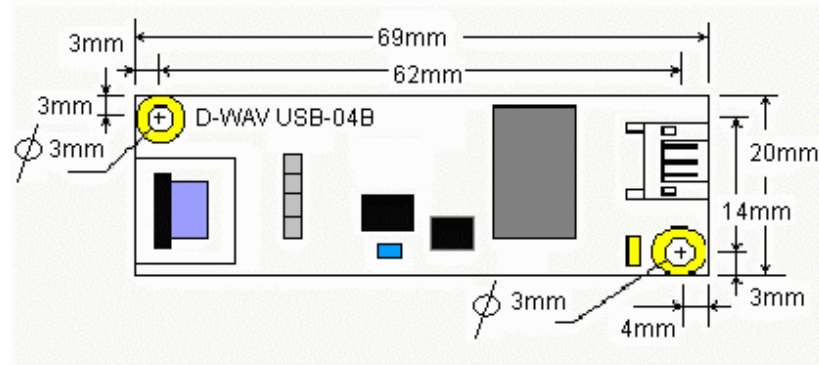


# Touch Panel Controller

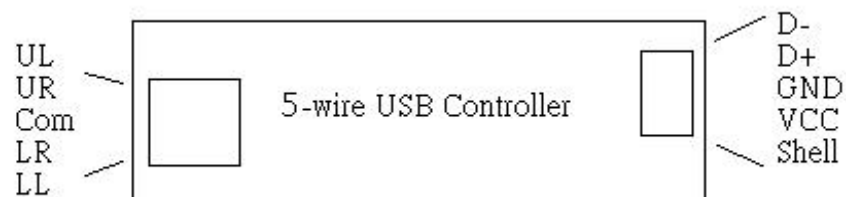
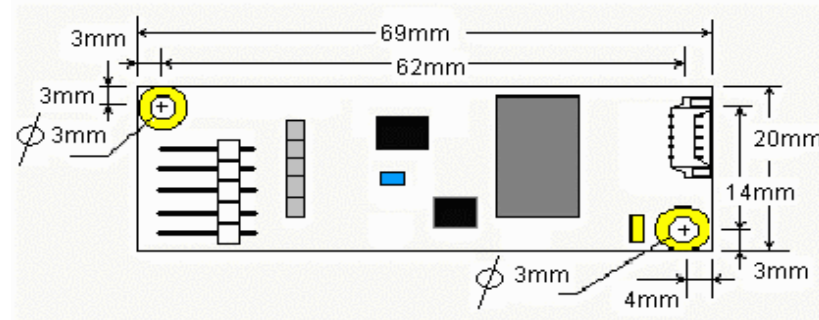
This touch panel controller provides the optimistic performance of your analog resistive touch panels for 4-wire and 5-wire models. It communicates with PC system directly through RS232 or USB connector. You can see how superior the design is in sensitivity, accuracy and friendly operation. The touch panel driver emulates mouse left and right button function and supports operation systems, including Microsoft Windows2000, Windows 9X, Windows Me, Windows NT 4.0, DOS, Linux, iMac, Windows XP2002, etc.

## Controller:

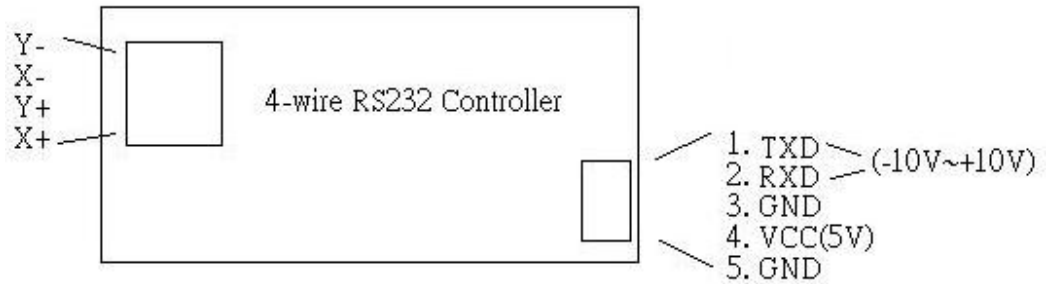
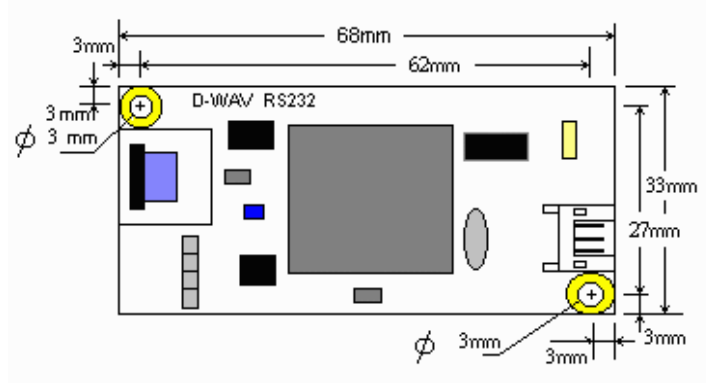
### USB (4-wire)



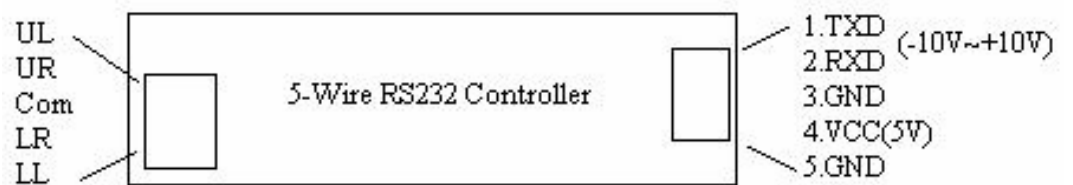
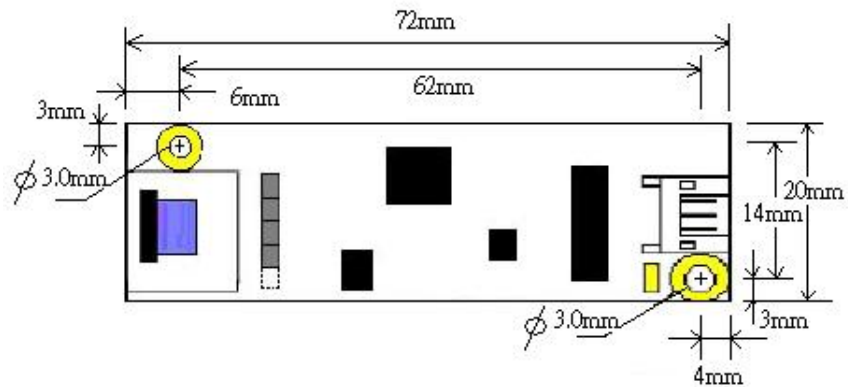
### USB (5-wire)



## RS232 (4-wire)



## RS232 (5-wire)



## Specifications:

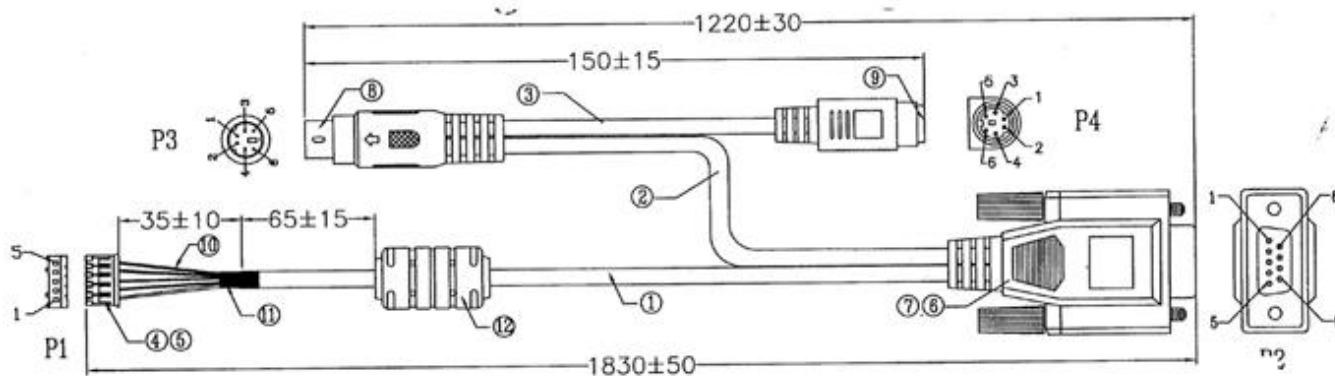
### **RS-232 Type Controller**

Circuit Board Dimension	33mm x 68mm (1.3inches x 2.68inches)----(4-Wire)
	20mm x 72mm (0.79inches x 2.83inches)----(5-Wire)
Power Requirements	D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise)
Operating Temperature	0 to 50 °C
Storage Temperature	-40 to 80 °C
Relative Humidity	95% at 60 °C
Interface	Bi-directional asynchronous RS-232 serial communication
Protocol	No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600)
Report rate	Max. 160 points/sec
Pin out definition	4 wire model: X+, Y+, X-, Y- 5 wire model: UL, UR, COM, LR, LL
Panel resistance	4 wire model: 300 ~ 900 ohm ( pin to pin on the same layer ) 5 wire model: 50 ~ 200 ohm ( pin to pin on drive layer )
Attached Cable	6' shielded cable with 9-pin D-sub connector for serial port
Regulatory Approvals	FCC-B , CE,Unaffected by EMI from other nearly CRTs and other display devices
EMI	Unaffected by environmental EMI

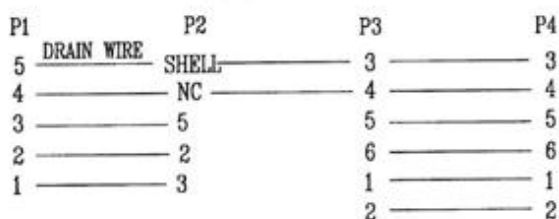
### **USB Type Controller**

Circuit Board Dimension	20mm x 69mm (0.79inches x 2.71inches)----(4-Wire)
	20mm x 69mm (0.79inches x 2.71inches)----(5-Wire)
Power Requirements	D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise)
Operating Temperature	0 to 50 °C
Storage Temperature	-40 to 80 °C
Relative Humidity	95% at 60 °C
Interface	USB 1.1 Low Speed
Report rate	Max. 160 points/sec
Pin out definition	4 wire model: X+, Y+, X-, Y- 5 wire model: UL, UR, COM, LR, LL
Panel resistance	4 wire model: 300 ~ 900 ohm ( pin to pin on the same layer ) 5 wire model: 50 ~ 200 ohm ( pin to pin on drive layer )
Attached Cable	6' shielded cable with USB-A connector for USB port
Regulatory Approvals	FCC-B , CE,Unaffected by EMI from other nearly CRTs and other display devices
EMI	Unaffected by environmental EMI

## RS232 Cable

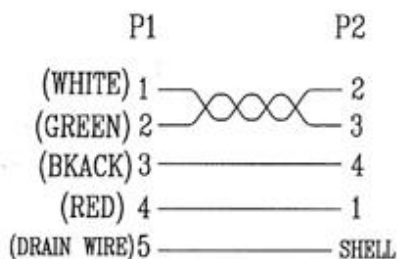
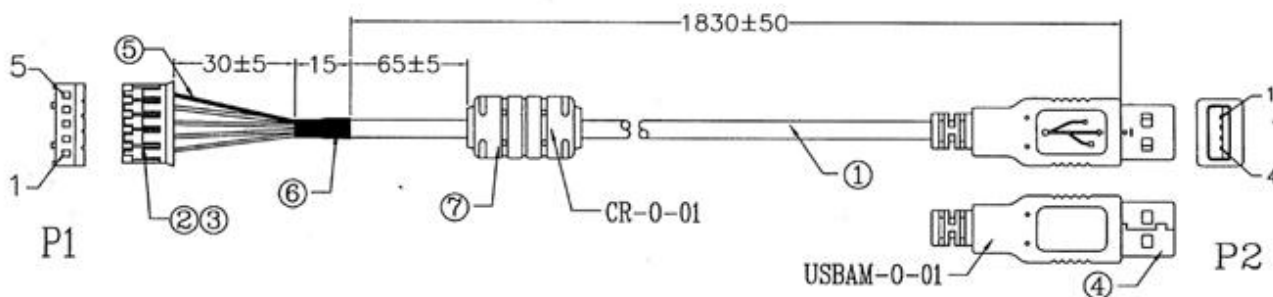


WIRING DIAGRAM



NO.	PART NO.	QTY	UNITS	DESCRIPTION
12	CORE	1	PCS	RH 12(OD)*5.6(CID)*L20MM
11	TUBE	1	PCS	TUBE #4.0*L10MM
10	TUBE	1	PCS	TUBE #1.0*L37MM
9	CONN.	1	PCS	MINI DIN 6PIN FEMALE
8	CONN.	1	PCS	MINI DIN 6PIN MALE
7	Screw	2	PCS	#4-40 BEIGE
6	CONN.	1	PCS	D-SUB 9PIN FEMALE
5	TERMINAL	5	PCS	JS-1124-T
4	HOUSING	1	PCS	H.3 1*5PIN PITCH2.0 BEIGE (JS-1124-05)
3	CABLE	150	MM	NO UL 28AWG*6C+AL/MY OD:#4.0±0.15MM COLOR-BEIGE
2	CABLE	1220	MM	NO UL 24AWG*2C+AL/MY OD:#4.0±0.15MM COLOR-BEIGE
1	CABLE	1830	MM	NO UL 24AWG*4C+EA OD:#4.0±0.15MM COLOR-BEIGE

## USB Cable



NO.	PART NO.	QTY	UNITS	DESCRIPTION
7	CORE	1	PCS	RH 12(OD)*5.6(D)*L20MM
6	TUBE	1	PCS	#5.0*L15MM
5	TUBE	1	PCS	#1.0*L40MM
4	CONN.	1	SET	USB "A" TYPE MALE
3	TERMINAL	5	PCS	2.0 (JS-1124-T)
2	HOUSING	1	PCS	H.3 5PIN PITCH2.0 COLOR-WHITE(JS-1124-05)
1	CABLE	1830	mm	UL2725 28AWG*1P+24AWG*2C+ARB JACKET-PVC BEIGE OD:#4.7MM (ALL VENDER UL2725 APPROVED)