



48-B-4-18-KIT
4-Wire Resistive Controller (RS232)
with ZIF Connector
Specification Guide

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Document Revision History

Revision	Page	Content	Revised By	Date
2.0	1-8	Specification	Bhushan Vaidya	07/07/2009

Product Overview

48-B-4-18-KIT

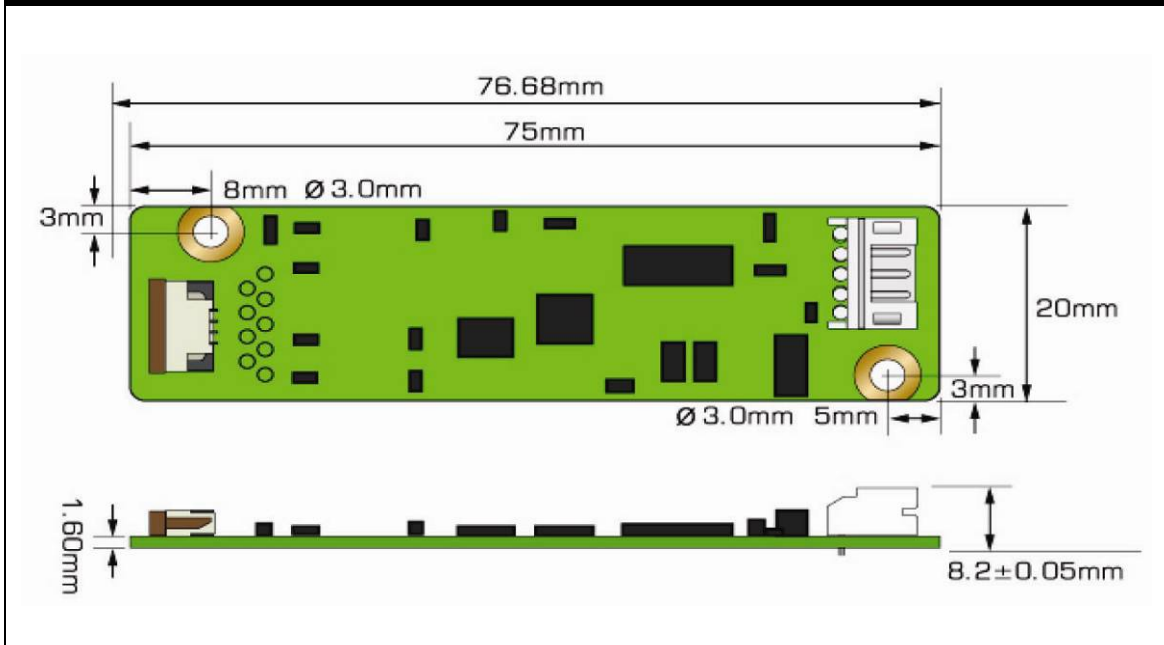
The RoHS compliant controller, specifically designed for 4-wire resistive sensors, offers a fast touch response while also providing excellent reliability and proven performance. It communicates with a host computer using the RS-232 serial interface. The touch panel driver emulates the mouse left and right button functions.

Supported Operating Systems

OS	Version	Interfaces
Windows	Windows Vista, XP/2000, 9x/ME Windows CE 2.12/3.0/.net/5.0 Windows Embedded Windows XP Tablet PC edition	RS232/USB
Windows	Windows NT4	RS232
Linux	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) 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)
DOS	DOS	RS232
Mac	Mac OS, Mac OS X (IBM, Intel CPU)	USB
QNX	QNX RTOS v6.3	RS232

Note: The 4-Wire Resistive (RS232) Controller can emulate both 3M and Elo protocols using RS232 communication.

Controller Drawings

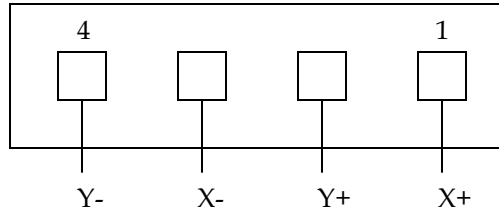


Specifications

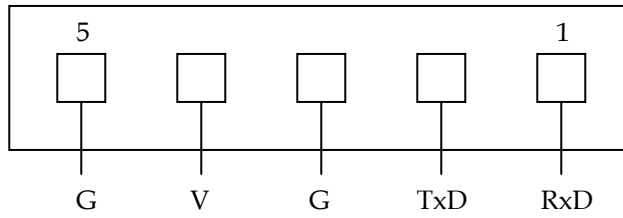
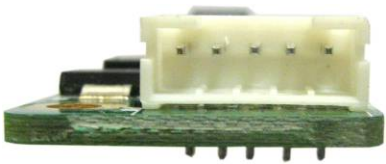
Circuit Board Dimension	20mm x 75mm (0.79" x 2.95")
Power Requirements	D.C. +5V (100mA typical, 50mV peak to peak maximum ripple and noise)
Operating Temperature	0°C to 70 °C
Storage Temperature	-40 °C to 80 °C
Relative Humidity	95% at 60 °C
Interface	Bi-directional RS-232 serial communication
Protocol	No Parity, 8 Data Bits, 1 Stop Bit, 9600 baud (N,8,1,9600)
Resolution	2048x2048
Report rate	RS232 Model: Max 160 points/sec.
Response time	Max. 35 ms
Attached Cable	6' shielded cable with 9-Pin D-sub connector
Regulatory Approvals	FCC-B, CE
EMI	N/A
Panel Resistance	4-wire resistive model: 200 ~ 900 ohm/sq.
MTBF	200,000 hrs.

Pin Assignments

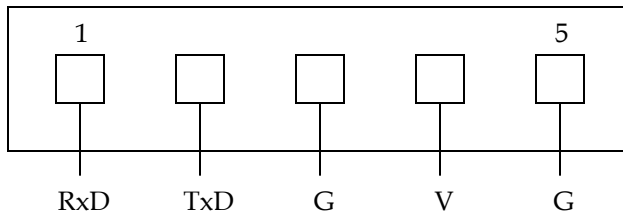
Controller Panel



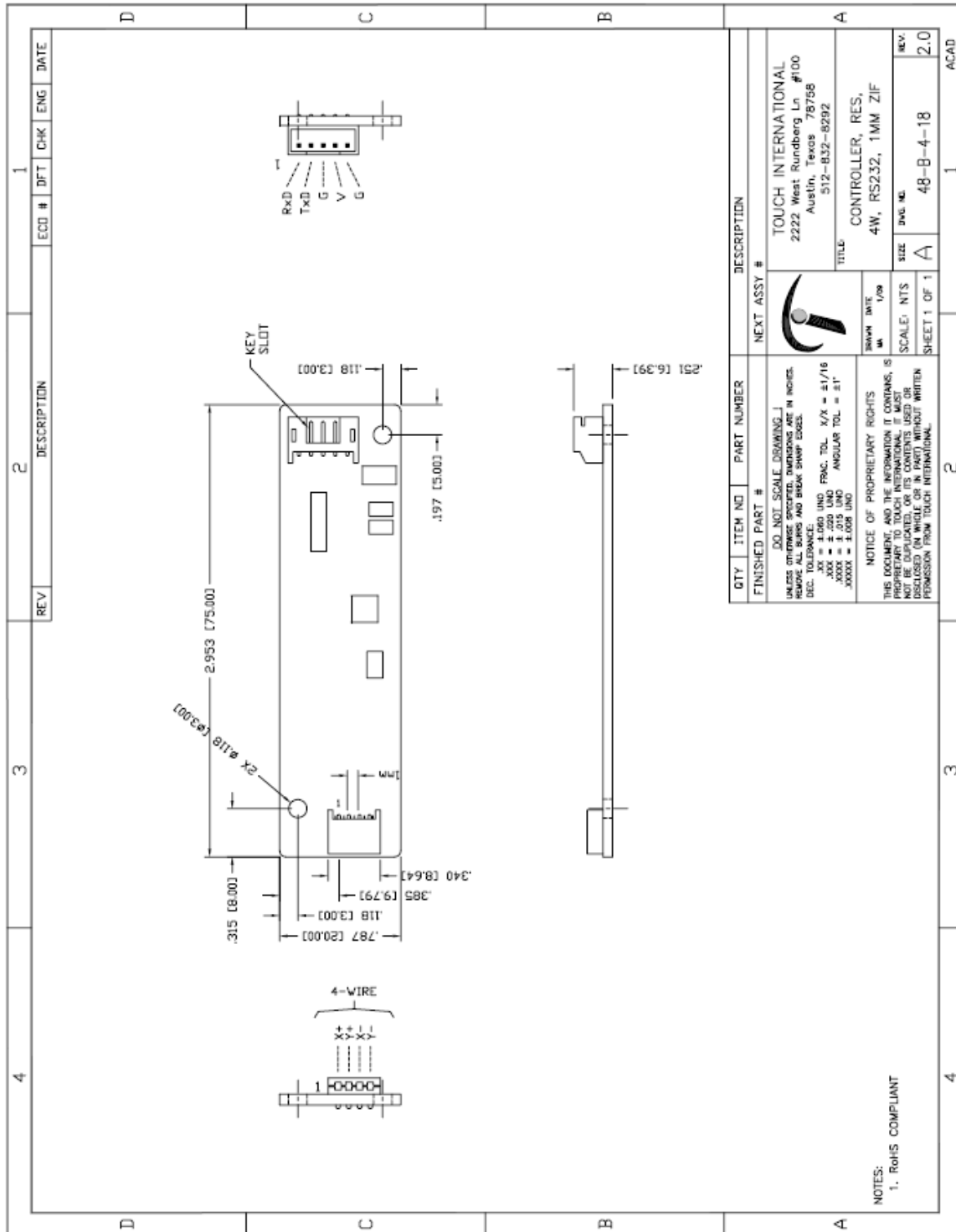
USB Connector



RS232 Cable



Drawing:



Ordering Information

Part Number	KIT Description
48-B-4-18-KIT	4-Wire RS232 Controller (1) : TI# 48-B-4-18
	RS232 Cable (1) : TI# 1300251
<p>Contact TI sales representative for a complete list of TI's OEM and retail products.</p> <p>Touch International 2222 W. Rundberg Ln. Suite 200 Austin, TX 78758 Tel: 512.832.8292 Fax: 512.491.6381 technicalsupport@touchintl.com www.touchinternational.com</p>	