

48-B-4-17-KIT
4-Wire Resistive Controller (USB)
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-4-17-KIT

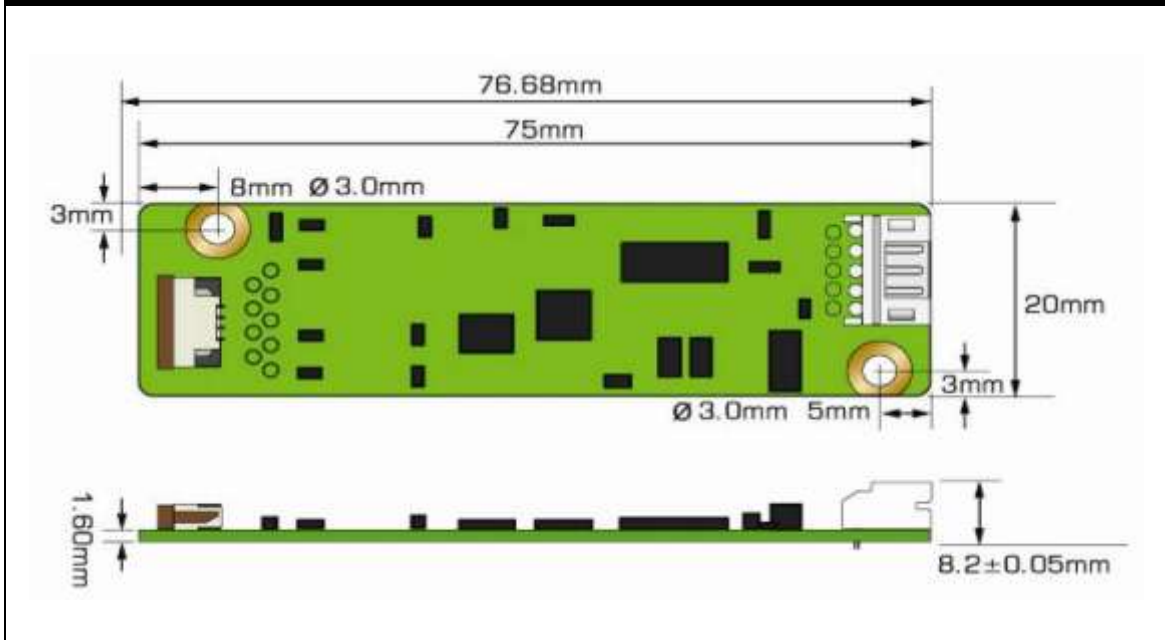
The RoHS compliant controller, specifically designed for 4-wire resistive sensors, offers a fast touch response while also providing excellent reliability and proven performance. It provides a Universal Serial Bus (USB) interface compliant with the USB Human Interface Device (HID) class. The touch driver 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 Window 7	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 (USB) Controller only supports Touch International drivers.

Controller Drawings

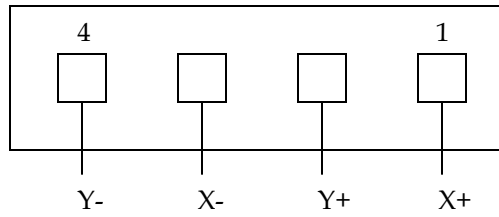


Specifications

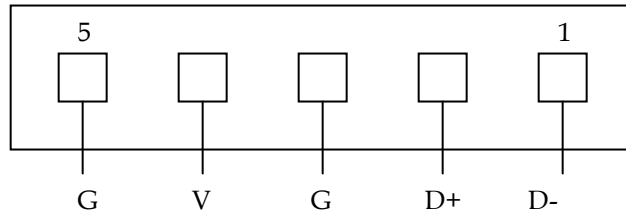
Circuit Board Dimension	20mm x 76.68mm (0.79" x 3.019")
Power Requirements	D.C.+5V (100mA typical, 50mV peak to peak maximum ripple and noise)
Operating Temperature	0°C to 70 °C
Storage Temperature	-40 °C to 80 °C
Relative Humidity	95% at 60 °C
Interface	USB 1.1, USB 2.0
Resolution	2048x2048
Report rate	USB Model: Max 250 points/sec.
Response time	Max. 20 ms
Attached Cable	6' shielded cable with USB-A connector for USB Port.
Regulatory Approvals	FCC-B, CE
EMI	N/A
Panel Resistance	4-wire resistive model: 200 ~ 900 ohm/sq.
MTBF	200,000 hrs.

Pin Assignments

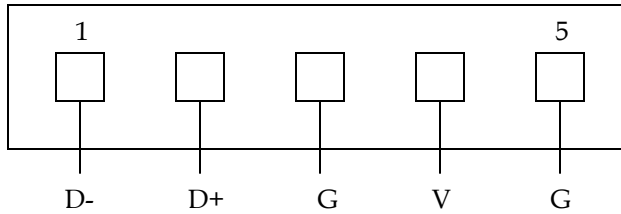
Controller Panel



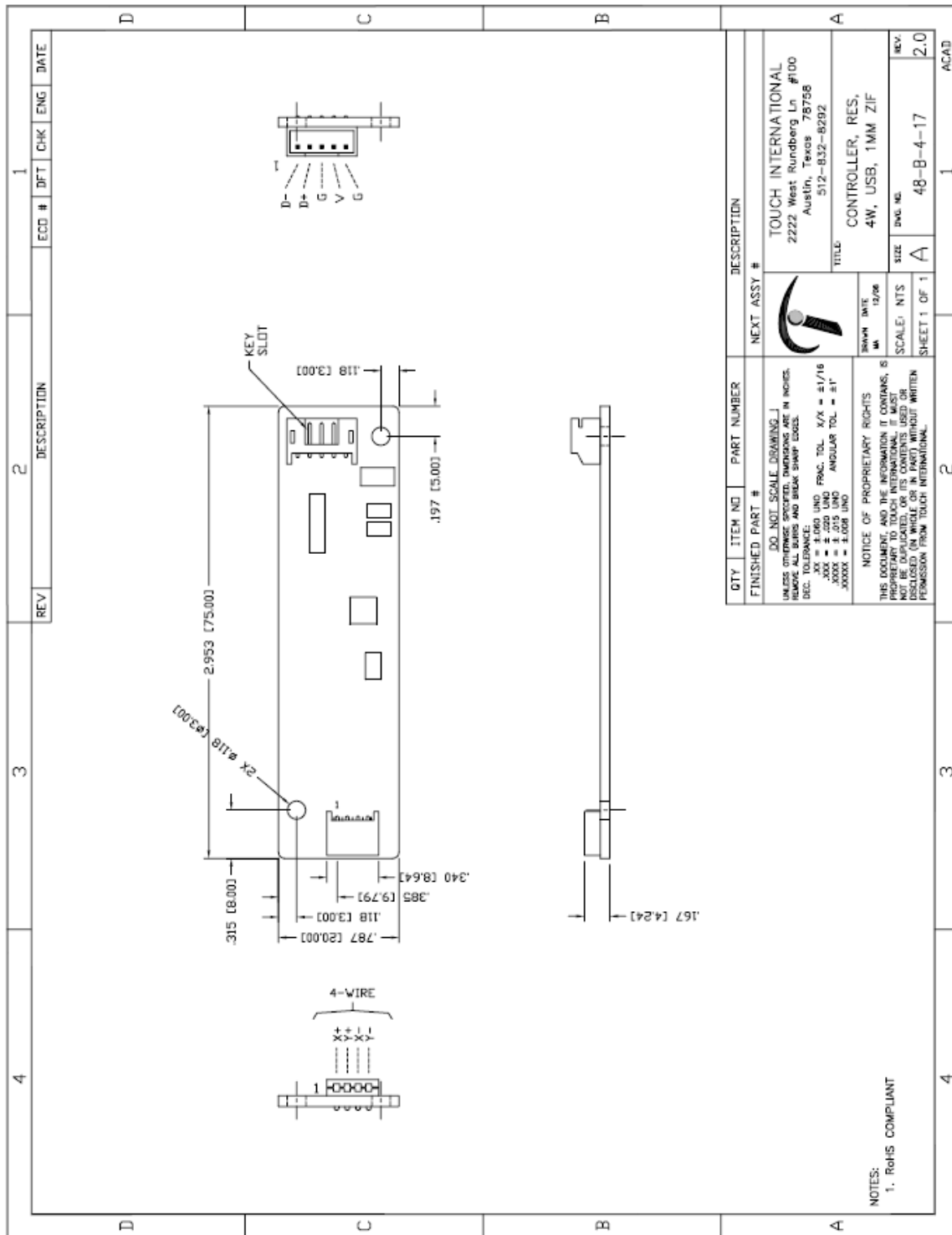
USB Connector



USB Cable



Drawing:



Ordering Information

Part Number	KIT Description
48-B-4-17-KIT	4-Wire USB Controller (1) : TI# 48-B-4-17
	USB Cable (1) : TI# 130025

Contact TI sales representative for a complete list of TI's OEM and retail products.

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