



TouchInternational

48-B-5-08-KIT

5-Wire Resistive Controller (USB) Specification Guide

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Last Revision Date: 07/07/2009

Document Number: 6500268

Revision: 2.0

Document Revision History

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

Product Overview

48-B-5-08-KIT

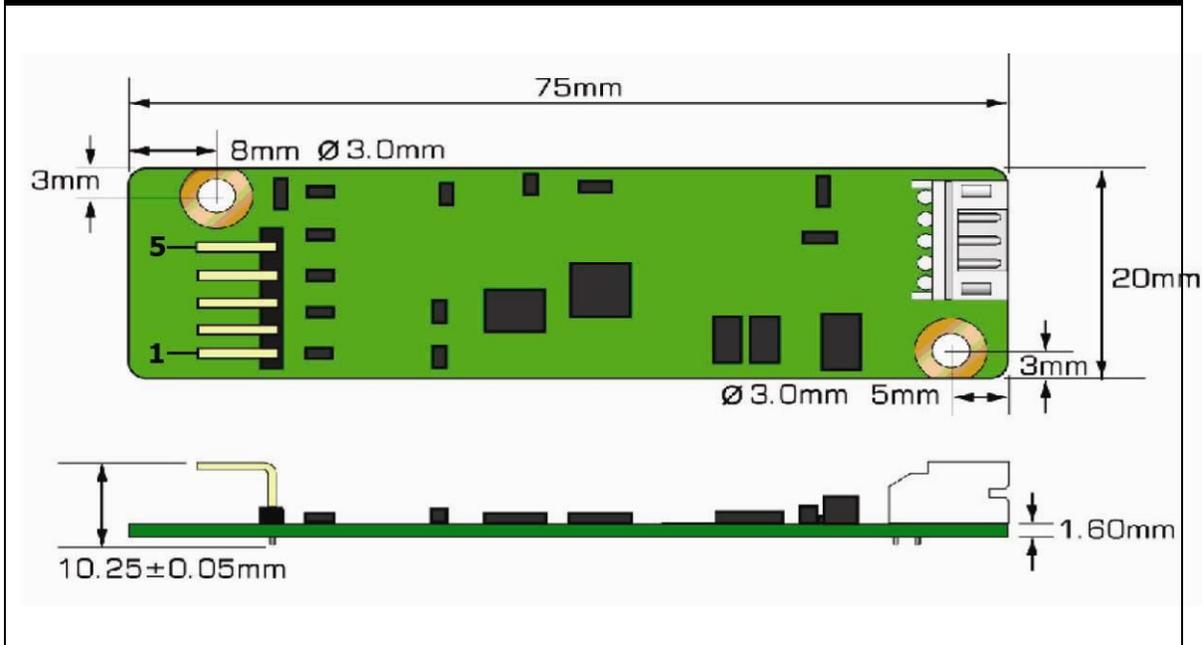
The RoHS compliant controller, specifically designed for 5-wire resistive sensors, offers a fast touch response while also providing excellent reliability and proven performance. It provides a Universal Serial Bus (USB) interface compliant with the USB Human Interface Device (HID) class. The touch driver emulates the mouse left and right button functions and supports the following OS:

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 Windows 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

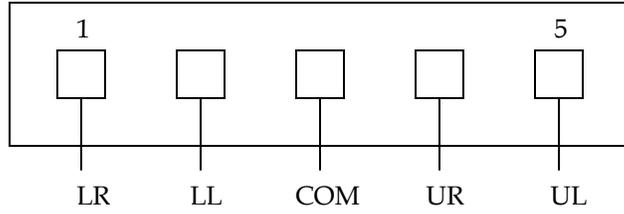
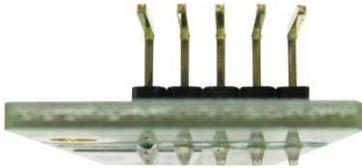


Specifications

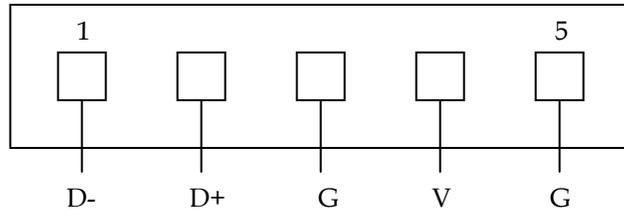
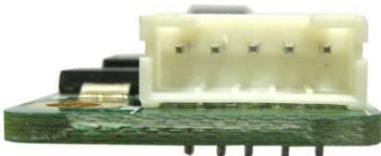
Circuit Board Dimension	20mm x 75mm (0.79" x 2.95")
Power Requirements	D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise)
Operating Temperature	0°C to 70 °C
Storage Temperature	-40 °C to 80 °C
Relative Humidity	95% at 60 °C
Interface	USB: 1.1 low speed, 2.0 full speed
Resolution	2048x2048
Report rate	USB Model: Max 150 points/sec.
Response time	Max. 35 ms
Attached Cable	6' shielded cable with USB-A connector for USB Port.
Regulatory Approvals	FCC-B, CE
EMI	N/A
Panel Resistance	5-wire resistive model:50~200 ohm/sq.
MTBF	200,000 hrs.

Pin Assignments

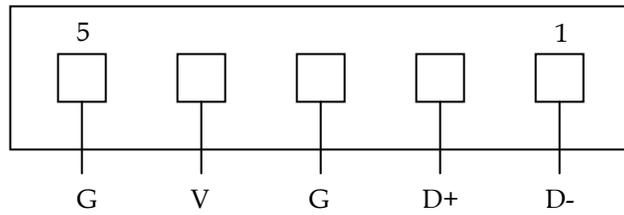
Controller Panel



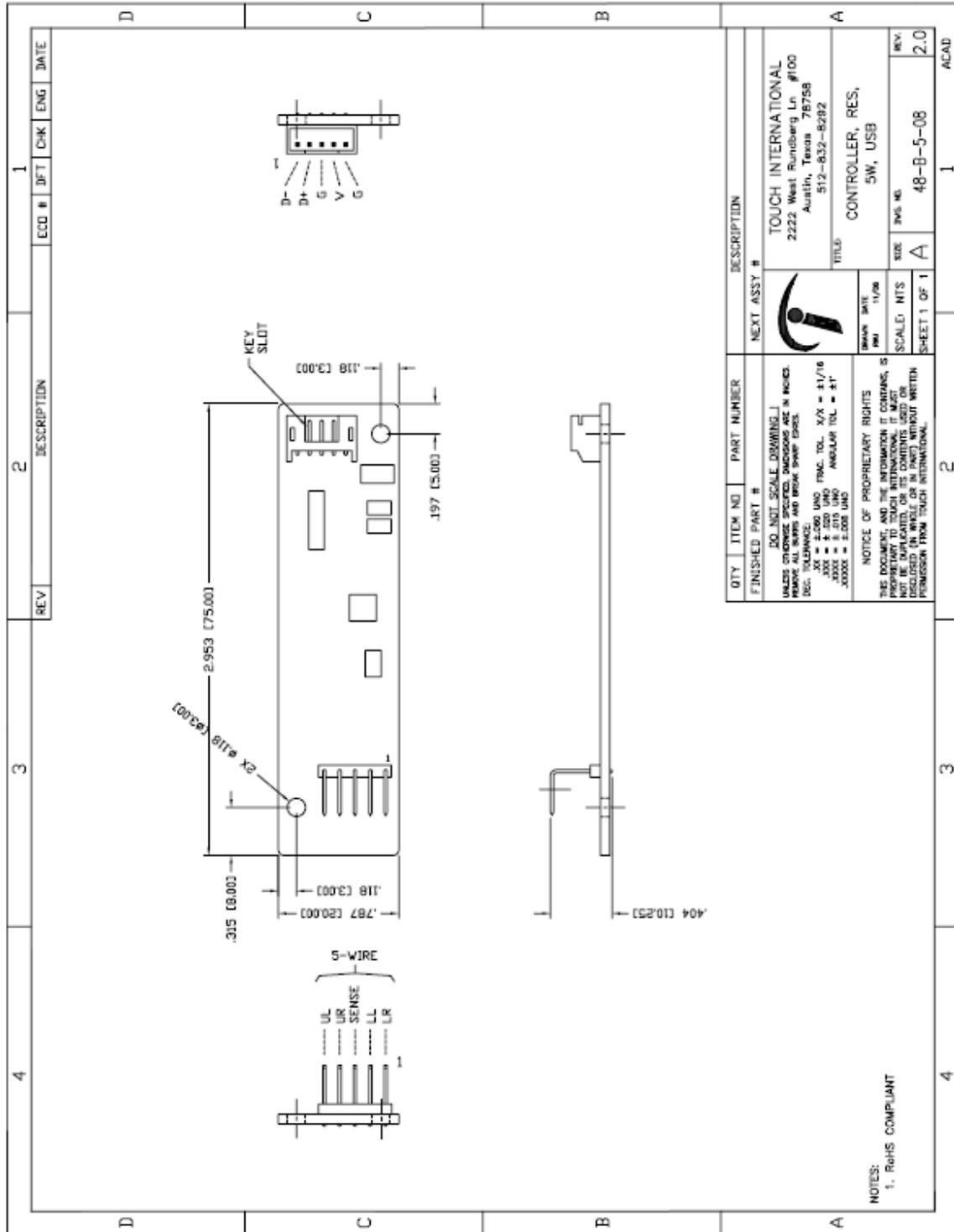
USB Connector



USB Cable



Drawing:



Ordering Information

Part Number	KIT Description
48-B-5-08-KIT	5-Wire USB Controller (1) : TI# 48-B-5-08
	USB Cable (1) : TI # 1300252
<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>	