



萬達光電科技股份有限公司

HIGGSTEC INC.

PRODUCT SPECIFICATIONS

Customer :

Model : USB-R5W-HT580-R/COM-R5W-HT580-R

Mode : 5 wires resistive USB/COM controller

Date : Mar. 07, 2006

Version : 1.0

Customer Approval

HIGGSTEC INCORPORATED

9 Fl., No.657-8, Jungjeng Rd., Shinjuang
City, Taipei 24260, Taiwan.
TEL : 886-2-2903-6262
FAX : 886-2-2906-2007
E-mail : info@higgstec.com.tw

Approve	Review	Preparation
Henry	Andy	Vicky

OVERVIEW

The touchscreen controller provides the optimistic performance for 5-wire analog resistive touch panels. It communicates with PC system directly through RS-232 port or USB port .The touchscreen device driver emulates mouse left and right button.

HARDWARE SPECIFICATIONS

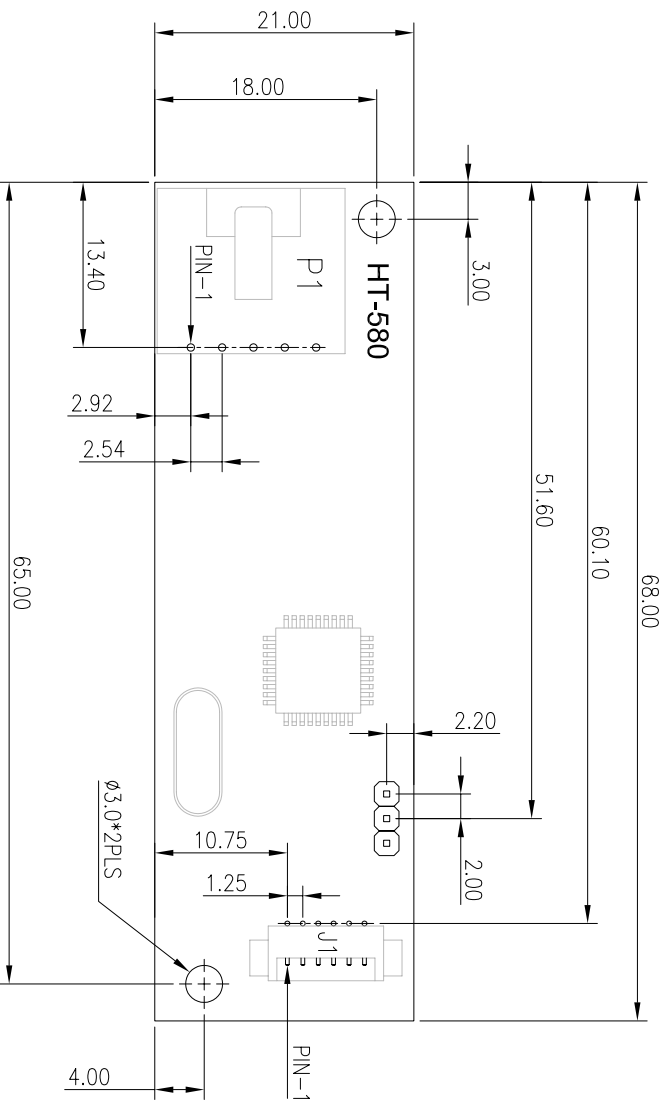
Circuit Board Dimension	68.00 mm x 21.00 mm
Power Requirements	+5VDC (Maximum 150mA, typical current depend on specified panel, 50mV peak to peak maximum ripple)
Operation Temperature	0 to 60 °C
Storage Tempeture	-40 to 80 °C
Relative Humidity	95% at 60 °C
Protocal	COM : 9600 BPS baudrate, 1 Start bit, 8 Data bits, None parity, 1 Stop bit USB : USB1.1 full speed (HID 1.11)
Resolution	Sample 4096X4096 (12Bits)
Report Rate	COM : Minimum 63 PPS (Point per Second) USB : Minimum 86 PPS (Point per Second)
Response Time	Maximum 20 ms
Pin Out Definition	RT, RL, SG, LT, LL
Panel Requirements	Capacitive 80 nF (max.), Resistance 30 to 500 Ohm (pin to pin on drive layer)

COM SOFTWARE SUPPORTS

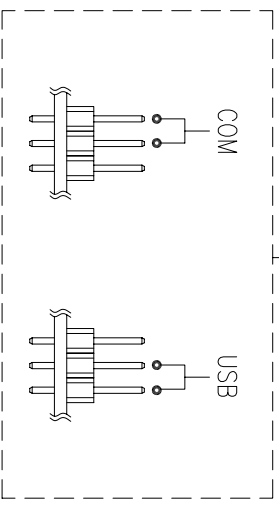
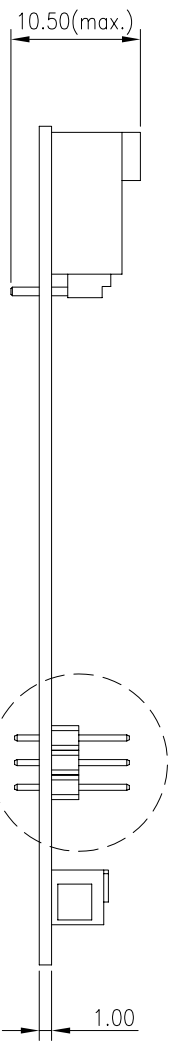
The touchscreen device driver supports operation systems, including MS-DOS, Windows 3.1, Windows 95, Windows 98, Windows ME, Windows NT 4.0, Windows 2000, Windows XP, Windows XP embedded, Windows CE, Windows server 2003, RedHat/Mandrake Linux series.

USB SOFTWARE SUPPORTS

The touchscreen device driver supports operation systems, including Windows 2000, Windows XP, Windows XP embedded.



J 1		COM	USB
PIN NO.	DESIGNATION	DESIGNATION	DESIGNATION
1	PC_RXD	NC	
2	PC_TXD	DATA+	
3	Vcc	Vcc	
4	PC_RTS	DATA-	
5	GND	GND	
6	EARTH_GND	EARTH_GND	



P 1	
PIN NO.	DESIGNATION
1	RT
2	RL
3	SG
4	LT
5	LL

DESCRIPTION	5W , Internal , Serial / USB	DATE	NOV. 21 ,2005	APPROVED	Rev.	A
MODEL	HT-580	SCALE	-/-	DESIGN	Page	1
PART NO.		UNIT	mm.	DRAWING	<i>study</i>	1 of 1