



萬達光電科技股份有限公司

HIGGSTEC INC.

PRODUCT SPECIFICATIONS

Customer :

Model : COMBO-R5W-HT588D-R

Mode : 5 wires resistive USB/COM controller

Date : Feb 08, 2007

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 devicedriver emulates mouse left and right button.

HARDWARE SPECIFICATIONS

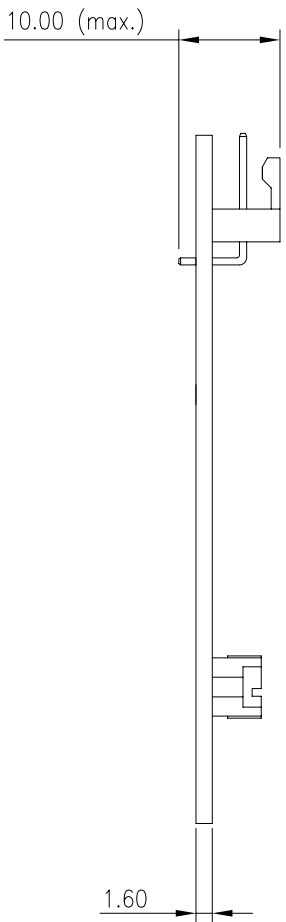
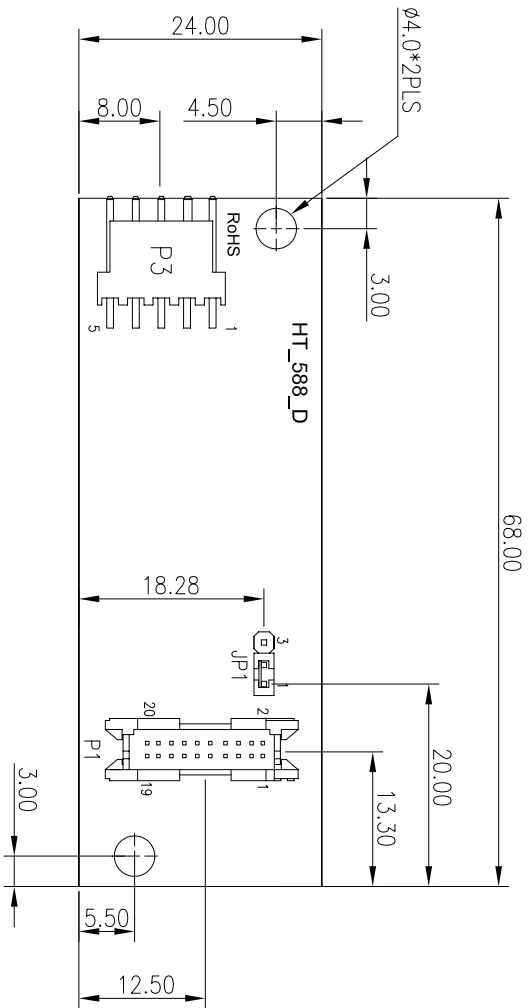
Circuit Board Dimension	68.00 mm x 24.00 mm
Power Requirements	+5VDC (Maximum 150mA, typical current depend on specified panel, 50mV peak to peak maximum ripple)
Operation Temperature	0 to 60 °C
Storage Tempeture	-40 to 80 °C
Relative Humidity	95% at 60 °C
Protocal	COM : 9600 BPS baudrate, 1 Start bit, 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



		P1	
	COM		COM
PIN NO.	DESIGNATION	PIN NO.	DESIGNATION
2	GND	1	USB_Vcc
4	USB_DATA+	3	USB_DATA-
6	GND	5	+5 VDC
8	NC	7	NC
10	RESET	9	LEDN
12	PC_DSR	11	PC_DCD
14	PC_RTS	13	PC_RXD
16	PC_CTS	15	PC_TXD
18	NC	17	PC_DTR
20	NC	19	GND

JP1		
PIN NO.	MODE (Serial)	
1-2	HT	
2-3	TEST (Default)	

P3		
PIN NO.	DESIGNATION	
1	RT	
2	RL	
3	SG	
4	LT	
5	LL	

DESCRIPTION	5W , Internal , Serial / USB	DATE	FEB. 05 ,2007	APPROVED		Rev.	A
MODEL	HT-588-D	SCALE	-/-	DESIGN		Page	1 of 1
PART NO.		UNIT	mm.	DRAWING	<i>Grand</i>		