

Specification

USB-R5W-HT580/COM-R5W-MT580

Version July 2006

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

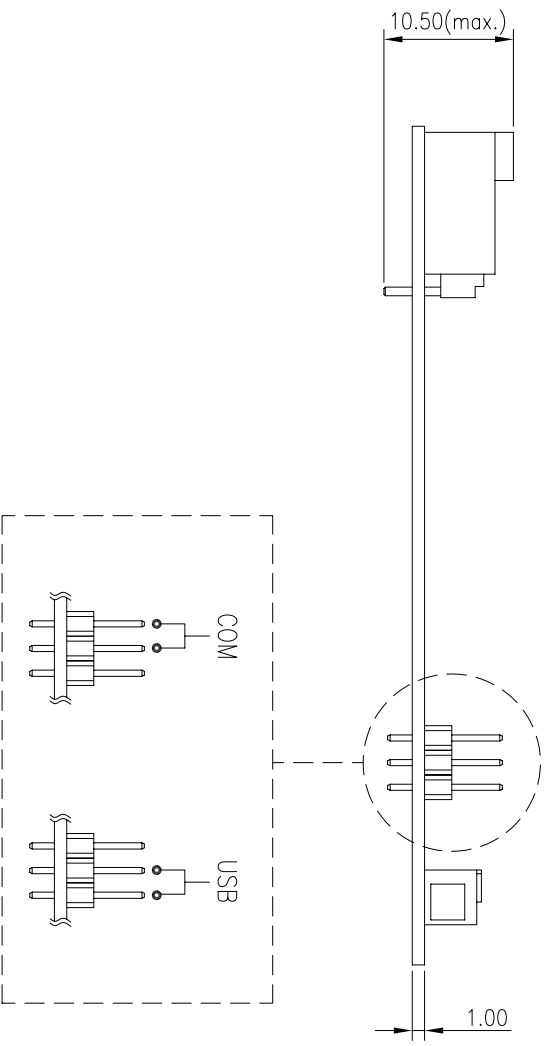
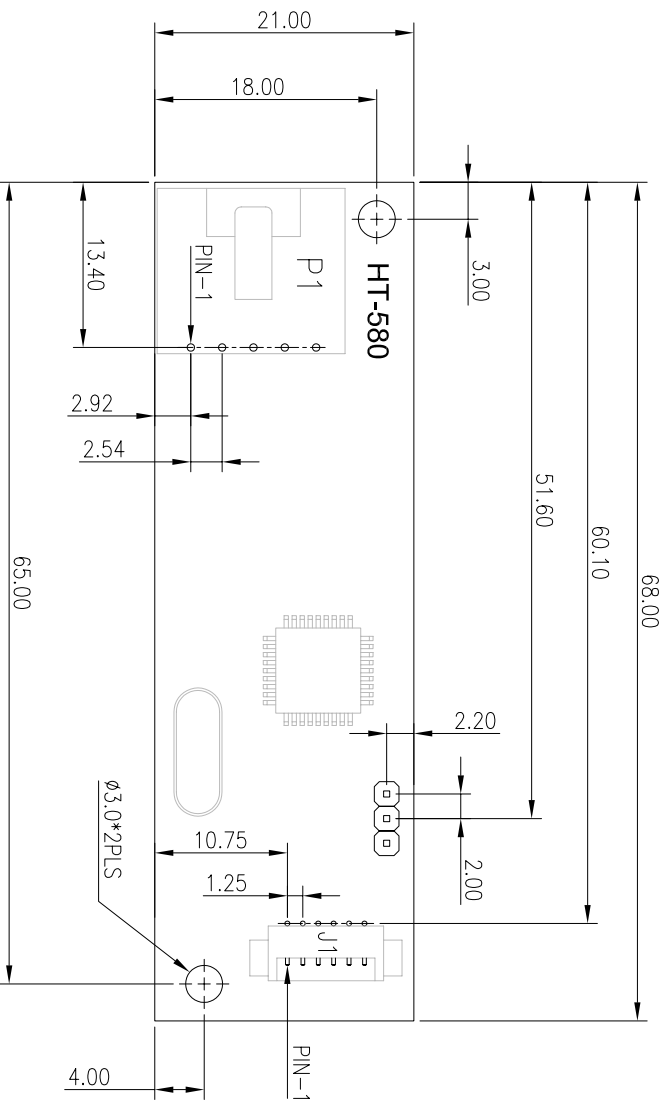
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|-------------------------|--|
| Circuit Board Dimension | 68 mm x 21 mm |
| Power Requirements | +5VDC (Maximum 150mA, typical current depend on specified panel, 50mV peak to peak maximum ripple) |
| Operation Temperature | 0 to 60 °C |
| Storage Temperature | -40 to 80 °C |
| Relative Humidity | 95% at 60 °C |
| Protocol | 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.

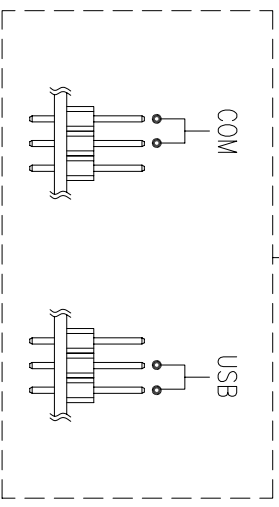
USB SOFTWARE SUPPORTS

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



| 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 |



DATA MOBUL

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



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