



萬達光電科技股份有限公司

HIGGSTEC INC.

PRODUCT SPECIFICATIONS

Customer :

Model : COM-R5W-HT277-2210A-R

Mode : 5 wires resistive serial controller

Date : Dec. 26, 2006

Version : 1.1

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

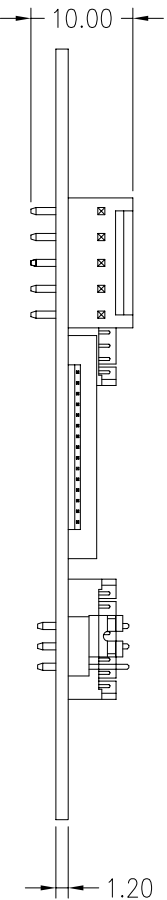
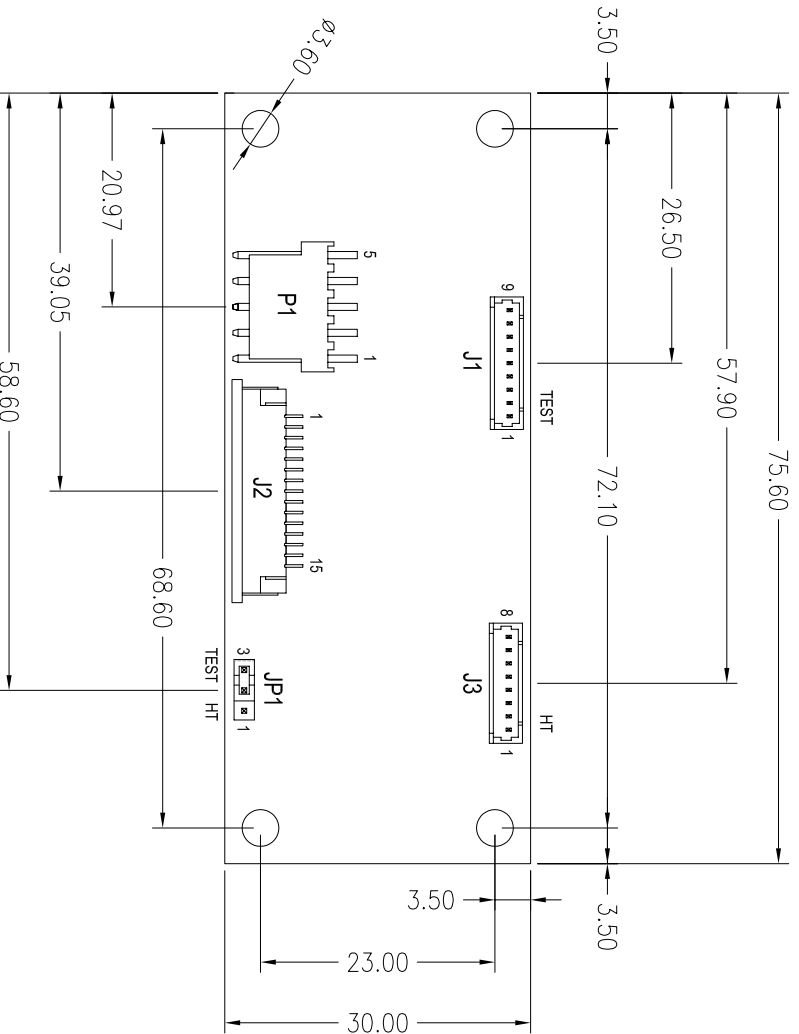
The touchscreen controller provides the optimistic performance for 5-wire analog resistive touch panels. It communicates with PC system directly through RS-232 port . The touchscreen device driver emulates mouse left and right button.

HARDWARE SPECIFICATIONS

| | |
|-------------------------|--|
| Circuit Board Dimension | 84 mm x 53.3 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 | 9600 BPS baudrate, 1 Start bit, 8 Data bits, None parity, 1 Stop bit (Maximum 19200 BPS baudrate) |
| Resolution | Sample 4096X4096 (12Bits) |
| Report Rate | Maximum 192 PPS (Point per Second) |
| 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) |

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.



| P1 | |
|---------|-------------|
| PIN NO. | DESIGNATION |
| 1 | RT |
| 2 | RL |
| 3 | SG |
| 4 | LT |
| 5 | LL |

| J2 | |
|---------|-------------|
| PIN NO. | DESIGNATION |
| 2 | U |
| 4 | R |
| 6 | A |
| 8 | L |
| 10 | B |
| 12 | D |
| 14 | C |

| JP1 | |
|---------|-------------|
| PIN NO. | DESIGNATION |
| 1-2 | HT |
| 2-3 | TEST |

| J3 (HT) | |
|---------|-------------|
| PIN NO. | DESIGNATION |
| 1 | PC_TXD |
| 2 | PC_RXD |
| 4 | PC_RTS |
| 7 | +5 VDC |
| 8 | GND |

| J1 (TEST) | |
|-----------|-------------|
| PIN NO. | DESIGNATION |
| 1 | PC_TXD |
| 2 | PC_RXD |
| 3 | PC_DSR |
| 4 | PC_RTS |
| 5 | PC_CTS |
| 6 | PC_DTR |
| 7 | +5 VDC |
| 8 | GND |
| 9 | PC_DCD |

| | | | | | | | |
|-------------|----------------------|-------|--------------|----------|--------------|--------|----|
| DESCRIPTION | SW, Internal, Serial | DATE | DEC.25, 2006 | APPROVED | | Rev. | A |
| MODEL | HT-277-2210A | SCALE | -/- | DESIGN | | Page | of |
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