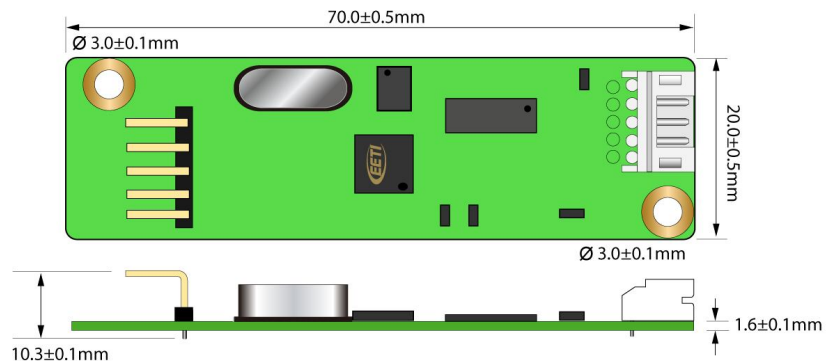


## 4 / 5-Wire RS232 Touch Panel Controller

eGalax\_eMPIA launched touch control board to meet latest Restriction of Hazardous Substances (RoHS) Directive. This touch panel controller provides the optimistic performance of your analog resistive touch panels for 4 or 5 wire models. It communicates with PC system directly through RS232 connector. You can see how superior the design is in sensitivity、accuracy and friendly operation. The touch panel driver emulates mouse left and right button function and supports operation systems as following.

| OS             | Version  | Interfaces                                |
|----------------|--|---|
| <b>Windows</b> | Windows Vista, XP/2000, 9x/ME<br>Windows CE 2.12/3.0/.net/5.0/6.0<br>Windows Embedded<br>Windows XP Tablet PC edition<br>Windows Vista<br>Windows 7  | RS232/USB/<br>PS2                         |
| <b>Windows</b> | Windows NT4  | RS232/PS2                                 |
| <b>Linux</b>   | Mandrake (Mandrake 9.1/9.2/10,<br>Mandriva 2005, Mandriva 2006),<br>Red Hat (7.3/8.0/9.0),<br>Fedora (Core I/II/III/IV/V/VI),<br>Yellow Dog (3.X) ,<br>SuSE (9.2/9.3/10/10.1),<br>Ubuntu (5.1/6.06),<br>Debian (3.1, Kernel 2.4.x/2.6.x) | RS232/USB/<br>PS2 (up to<br>Kernel 2.6.x) |
|                | Android 1.5 - Google<br>Moblin V2 - Intel  | RS232/USB                                 |
| <b>DOS</b>     | DOS  | RS232/PS2                                 |
| <b>Mac</b>     | Mac OS9, Mac OS X (IBM, intel CPU)   | USB                                       |
| <b>QNX</b>     | QNX RTOS v6.3  | RS232/USB                                 |

### Controller:



## ETP-MB-R4502RPEG

### **Specifications:**

| <b>RS232 Type Controller</b> |   |
|------------------------------|---|
| Circuit Board Dimension      | 20mm x 70mm (0.79inches x 2.75inches)   |
| Power Requirements           | D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise)                  |
| Operating Temperature        | -25 to 80 °C  |
| Storage Temperature          | -55 to 150 °C   |
| Relative Humidity            | 95% at 60 °C, RH Non-condensing   |
| Interface                    | Bi-directional RS-232 serial communication  |
| Protocol                     | No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600)                              |
| Resolution                   | 2048×2048 resolution  |
| Report rate                  | RS232 Model: Max. 180 points/sec  |
| Response time                | Max. 20 ms  |
| Attached Cable               | 180cm shielded cable with 9-pin D-sub connector                                     |
| Regulatory Approvals         | FCC-B , CE, Unaffected by EMI from other nearly CRTs and other display devices CRTs |
| EMI                          | Unaffected by environmental EMI   |
| Panel resistance             | 4 wire resistive model: 200 ~ 900 ohm<br>5 wire resistive model: 50 ~ 200 ohm       |

### **Product Package:**

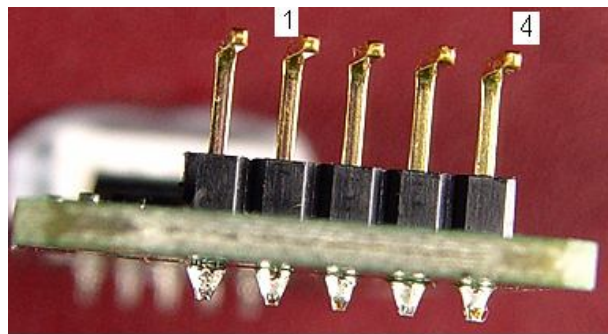
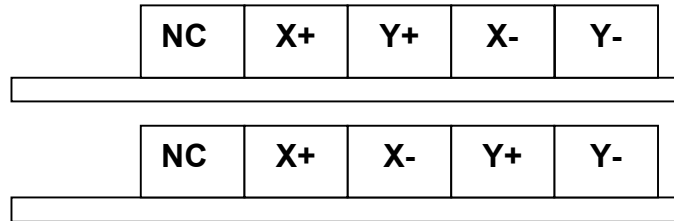
(1) ETP-MB-R4502RPEG (4 / 5 wire RS232 control board)

# ETP-MB-R4502RPEG

## *Controller Panel Pin Assignment:*

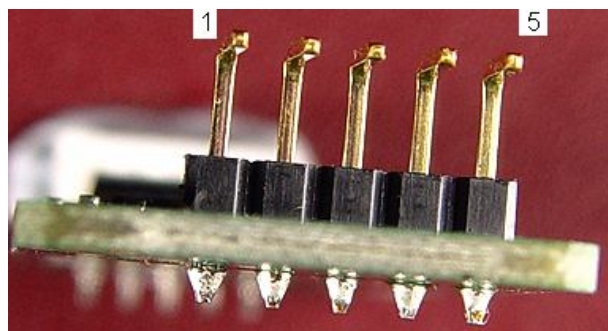
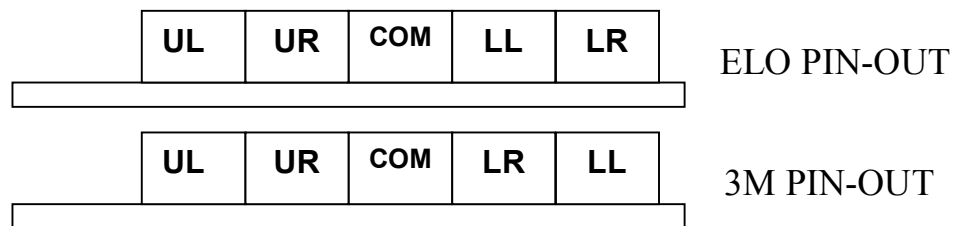
### **For 4-Wire Resistive Touch Panel**

Pin-Out as below figure is automatically detected



### **For 5-Wire Resistive Touch Panel**

ELO or 3M type Pin-Out is automatically detected



# ETP-MB-R4502RPEG

## *Controller Wafer Pin Assignment:*

