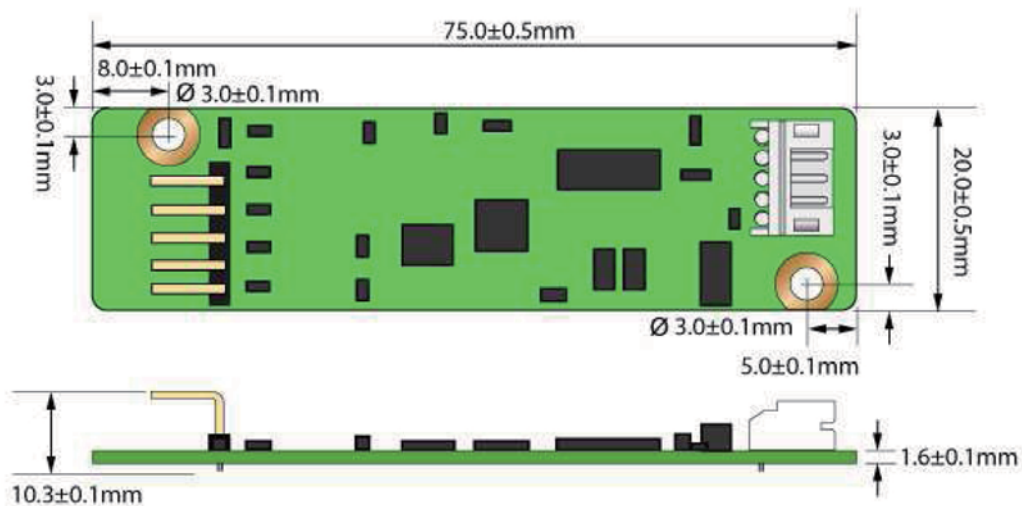


5-wire USB Touch Panel Controller

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 5-wire models. It communicates with PC system directly through USB 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 |
|----------------|--|--|
| Windows | Windows 7, Vista, XP/2000, ME/98 Windows XP Tablet PC edition Windows CE 2.12/3.0/4.0/5.0/6.0 Windows Embedded XP | RS232/USB/ PS2 |
| Windows | Windows NT4, Windows 95 | RS232/PS2 |
| Linux | Support kernel 2.4.x / 2.6.x with XFree 4.x / xorg 6.7 to 7.5 (Up to X server 1.8.x) The new Linux public driver supports most of the Linux distributions 32/64 versions, including: CentOS, Debian, Fedora, Gentoo, Mandrake (Mandriva), Red Hat, Ubuntu(Xubuntu), Slackware, SuSE(open SuSE) etc. | RS232/USB/ PS2 (up to Kernel 2.6.x) |
| | Android 2.3 – Google Meego 1.x – Intel Nokia | RS232/USB I2C |
| DOS | DOS 6.22 | RS232/PS2 |
| Mac | Mac OS9, Mac OS X (PowerPC, Intel CPU) | USB |
| QNX | QNX RTOS v6.3 | RS232/USB |

Controller:



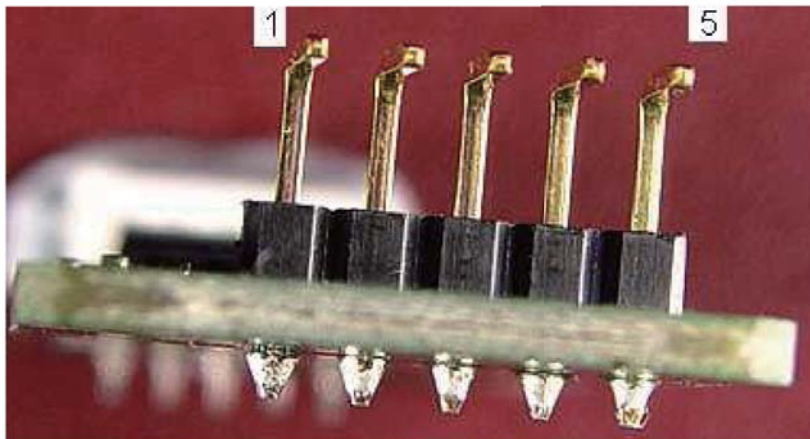
Specifications:

| USB Type Controller | |
|----------------------------|--|
| Circuit Board Dimension | 20mm x 75mm (0.79inches x 2.95inches) |
| Power Requirements | D.C.+5V (100mA typical,50mV peak to peak maximum ripple and noise) |
| Operating Temperature | -25 to 85 °C |
| Storage Temperature | -55 to 150 °C |
| Relative Humidity | 95% at 60 °C, RH Non-condensing |
| Interface | Bi-directional RS-232 serial communication USB: 1.1 Full Speed |
| Protocol | No parity,8 data bits,1 stop bit,9600 baud(N,8,1,9600) |
| Resolution | 2048×2048 resolution |
| Report rate | RS232: Max. 180 points/sec USB: Max. 200 points/sec |
| Response time | Max. 20 ms |
| Attached Cable | RS232: 180cm shielded cable with 9-pin D-sub connector USB: 180cm shielded cable with USB-A connector |
| Regulatory Approvals | FCC-B , CE, Unaffected by EMI from other nearby CRTs and other display devices CRTs |
| EMI | Unaffected by environmental EMI |
| Panel resistance | 4, 8 wire resistive model: 200 ~ 900 ohm 5 wire resistive model: 50 ~ 200 ohm |
| MTBF | 200,000 hrs |

Product Package:

(1) ETP-MB-S5000UEGG (5 wire USB control board)

Controller Panel Pin Assignment:



Controller Wafer Pin Assignment:

USB Interface

