



Innovative
Solutions in Touch Screen Technology

Resistive Touch Screen Controller Datasheet

The Next Generation of Resistive Controllers

Key Features

- 4/5/8-wire analog resistive Controller boards and chipset
- Updatable firmware
- Wide OS driver platform support
- ELO/3M compatible
- Combo USB/RS232 boards available
- Complete cabling options
- Standard mounting holes
- Wider environmental window

Chipset Solution

- Ideal for space restricted applications
- Reference Circuit Diagrams
- I2C/USB/RS232 Interfaces supported
- USB HID Support

A D Metro offers a complete range of resistive touch sensor controller solutions. From discrete controller boards to integrated chipset solutions, A D Metro has the right solution for integrating a 4/8/ or 5-wire sensors into your touch device.

A D Metro controller boards are a proven and reliable way to connect a resistive touch sensor to your PC using RS232 or USB. Our boards come with complete cabling options and drivers for all popular platforms as well as being Microsoft Windows Touch ready.

The controller boards feature superior touch sensitivity and accuracy. The bundled touch toolkit provides complete control over the touch functionality and calibration. The latest revision of the controller boards has improved quality, larger environmental window, in-service firmware upgrades, and faster data rates. All products meet the latest green ROHS requirements and have FCC and CE certifications.

For Industrial systems and mobile devices that require a low cost, compact design then ready-to-go chipset solution is the best way forward. With complete integration guide and reference circuit diagrams integration of our resistive chipset into your system board couldn't be easier.

The touch drivers support most touch technologies including Capacitive, SAW and IR, providing significant benefit to organizations with a mixed touch implementation. Drivers for our controllers can be downloaded from our website at www.admetro.com/downloads. If the driver for your platform is not there please just drop us an email.



Resistive TS Controller Datasheet

Controller Part Numbers

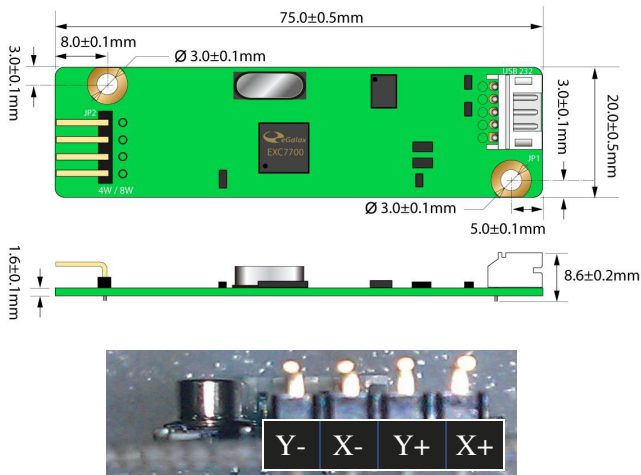
| Part number | Description |
|-----------------------|--|
| AD-MER4040CPBG | 4-wire combination controller |
| AD-MER4040RPBG | 4-wire RS232 controller |
| AD-MER4040UPBG | 4-wire USB controller |
| AD-MER4080CPBG | 8-wire combination controller |
| AD-MER4080RPBG | 8-wire RS232 controller |
| AD-MER4080UPBG | 8-wire USB controller |
| AD-MER4050CEBG | 5-wire Elo-type combination controller |
| AD-MER4050REBG | 5-wire Elo-type RS232 controller |
| AD-MER4050UEBG | 5-wire Elo-type USB controller |
| AD-MER4050CMBG | 5-wire 3M-type combination controller |
| AD-MER4050RMBG | 5-wire 3M-type RS232 controller |
| AD-MER4050UMBG | 5-wire 3M-type USB controller |

Cable Part Numbers

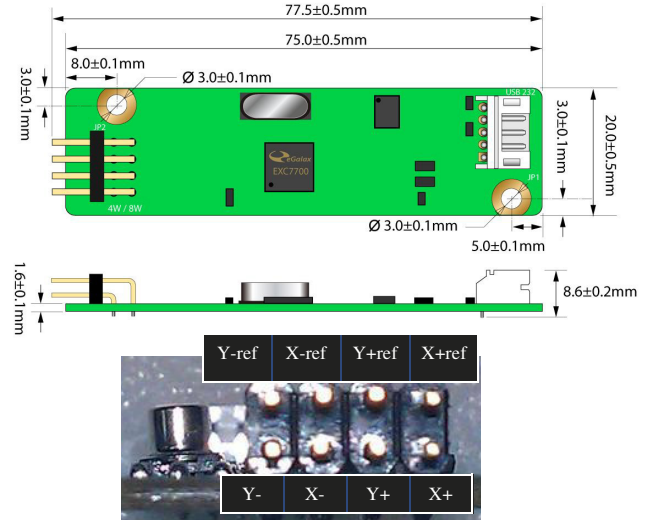
| Part number | Description |
|---------------------|------------------------------------|
| 10-CARS-INT | RS232 internal cable (bare leads) |
| 10-CARS-EXT | RS232 external cable (power thief) |
| 10-CARU-EXT | USB cable |
| 10-CAR-SPLIT | Y-splitter |

A D Metro controllers are supplied with one cable. When ordering a controller please specify which cable is desired. Extra cables are sold separately.

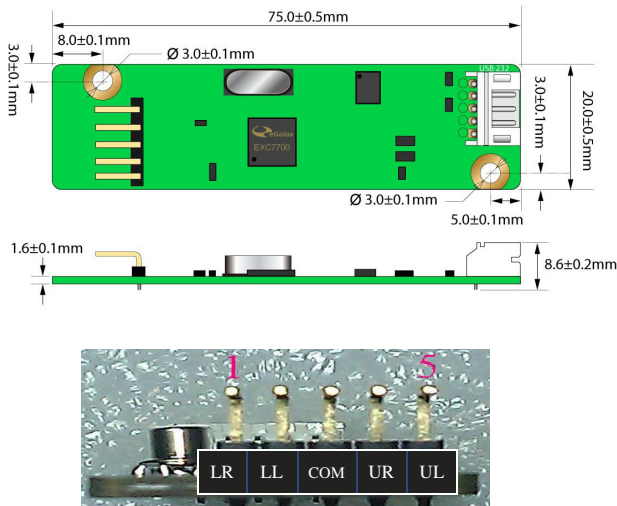
4-wire Controller Board and Panel Pin Assignment



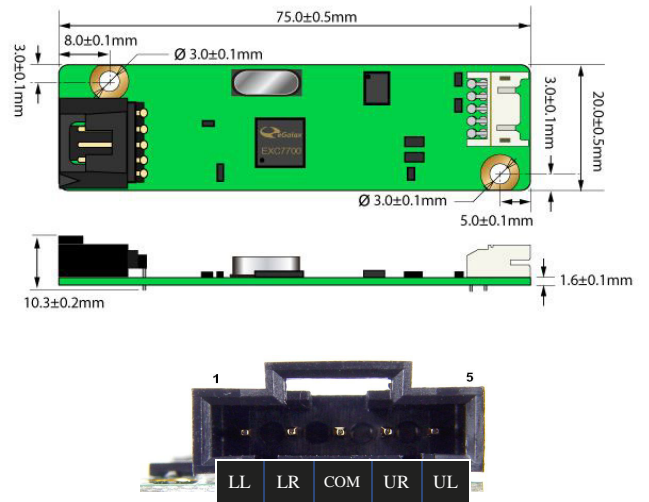
8-wire Controller Board and Panel Pin Assignment



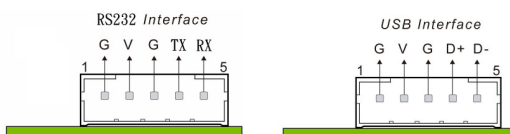
5-wire Controller Board and Panel Pin Assignment *Elo-type*



5-wire Controller Board and Panel Pin Assignment *3M-type*



Controller Wafer Pin Assignment *RS232 & USB*



Controller Wafer Pin Assignment *Combination & Y-splitter*

