

Capacitive Touch Panel Controller

RS232 & USB auto detected

Densitron offers the perfect controller and software solutions for capacitive touch panels. The design is optimized for an accurate, sensitive and quick touch performance as well as a user friendly utility.



www.densitron.com

10400-4 Pioneer Blvd.
Santa Fe Springs, Ca 90670

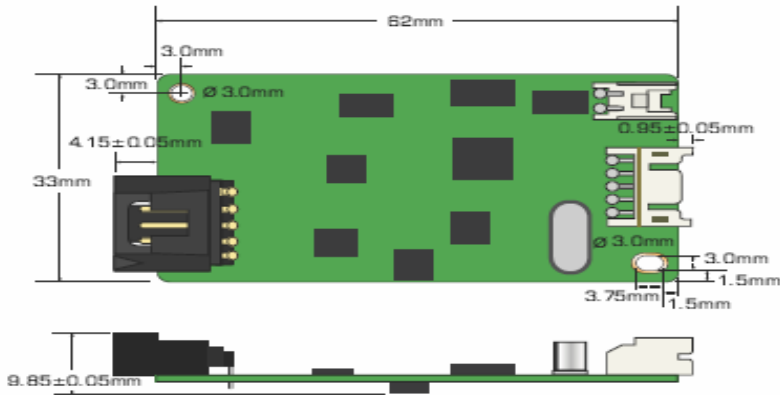
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Capacitive Touch Panel Controller

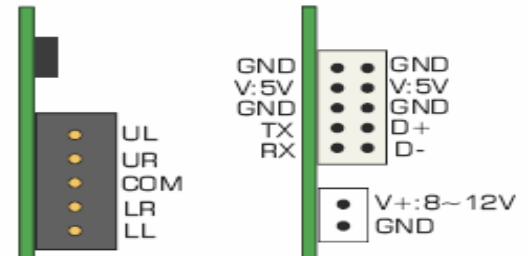
TSC700-24A-000 - Capacitive, Dual Interface, Amp Connector

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Dimensions



Pin Assignment



Hardware Specifications

Software Feature

Hardware Specifications		Software Feature	
Power Requirements	External power 8~12VDC unregulated power +5VDC Regulated power supply. (max 100mA, typical 90mA,50mV peak to peak max ripple).	Calibration	Fast full oriental 4 points position
Operating Temperature	0°C to 70°C	Compensation	1. Accuracy 25 points linearity compensation. 2. Edge compensation.
Storage Temperature	-40°C to 80°C	Draw Test	Position and linearity verification
Relative Humidity	95% at 60°C	Controller Setting	1. Support multiple controllers. 2. Dynamical add/remove controllers. 3. Change controller interface without reboot.
Interface	Auto-detection: RS232 Models: (9600 bauds, None parity,8 data bits,1 stop bit) USB Model: (USB 2.0 compliant, full speed).	Languages	Support 11 languages for windows
Resolution	2048 x 2048	Mouse Emulator	1. Right/left button emulation. 2. Click/drawing mode
Accuracy Drift	Max. ± 1.5% tolerance	Sound Notification	1. No sound. 2. Touch down. 3. Touch Up.
Report Rate	Max. 250 points/sec.	Double Click	1. Configurable double click speed. 2. Configurable double click area
Response Time	Max. 20 ms	OS Support	1. Windows Vista / XP / 2000 / XP Server 2003. 2. Windows 95/98/ME/NT4/XP Tablet PC edition. 3. Windows CE 2.12/ 3.0/ .net (4.0, 5.0, 6.0). 4. Linux (up to Kernel 2.6). 5. MS-DOS: Support display resolution:320x200, 640x200,640x350,640x480,800x600,1042x768, and 1280x1024. 6. iMac 9.0/ OS X (power PC, Intel CPU). 7. QNX.
Regulatory Approvals	FCC, CE	Com Port Support	1. Support COM1~COM255 for windows and Linux. 2. Support COM1~COM8 for DOS.
Pin Out Definition	UL,UR,COM,LR,LL	Display Support	1. Support monitor/display rotation. 2. Support multiple monitors. 3. Support split monitor.
Green Product	RoHS		
ESD	±16KV Air, ±8KV Contact		