Serial Controller ST6001S

Specifications
V1.1
Electrical Parameter

Supply Voltage and Current
- +12VDC, normal (+11V to +13VDC).
- 100mA, typical at +12VDC. Average power consumption is 1.2w, typical.
- Supply must be capable of sourcing 200mA, minimum.
- Total noise and ripple requirement must be less than 50 mV (p-p) for frequencies above 1 MHz.

Interface
- EIA 232E (Serial RS-232), DCE configuration. 8 Data Bits, 1 Stop Bit, No Parity, Full Duplex.
  Baud rate: 9600.

Touch Resolution
- $4096 \times 4096$

Conversion Time
- Approximately 10.4 ms per coordinate set (including transmitting time).

Touch Activation Force
- Touch force less than 80g (adjust allowed).

Environment Parameter
- Operating Temperature: 0 ℃ ~ +65 ℃
  Storage Temperature: controller: -20 ℃ ~ +85 ℃
- Humidity
  Operating: 10% to 90%, non-condensing
  Storage: 10% to 90%, non-condensing
- Operation Altitude
  3000m

Reliability
- MTBF is greater than 300,000 hours per MIL-HDBK-217-F2 using the parts stress calculation method for ground benign environment with an ambient temperature of 25 ℃.

ESD
- Per EN 61000-4-2: Contact discharge 4kV, air discharge 8KV.

Flammability
- The printed circuit board substrate is rated with 94V0.

Agency Approval
- CE, FCC, UL

ROHS Declaration
- The Serial Controller ST6001S is ROHS compliant.

Physical Characteristics

Construction
Multi-layer surface-mount design with internal ground plane for EMI suppression

Dimensions
- Total Width: 55mm
- Total Length: 99 mm
- Total height: 10.8mm (Including connectors)

http://www.generaltouch.com
Appendix:

Fig. 1: Dimensions

Top and side view

Bottom view
Controller Port

<table>
<thead>
<tr>
<th>J1</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>NC</td>
<td>4</td>
<td>NC</td>
</tr>
<tr>
<td>2</td>
<td>RXD</td>
<td>5</td>
<td>GND</td>
</tr>
<tr>
<td>3</td>
<td>TXD</td>
<td>6</td>
<td>+12V</td>
</tr>
</tbody>
</table>

Note: The communication signal definition stands on the side of PC.

Fig. 2: Connect to the computer

Operation platform
Windows 98/ME
Windows 2000/XP
You can get these drivers download from our website:
www.generaltouch.com

http://www.generaltouch.com