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
- 4096×4096

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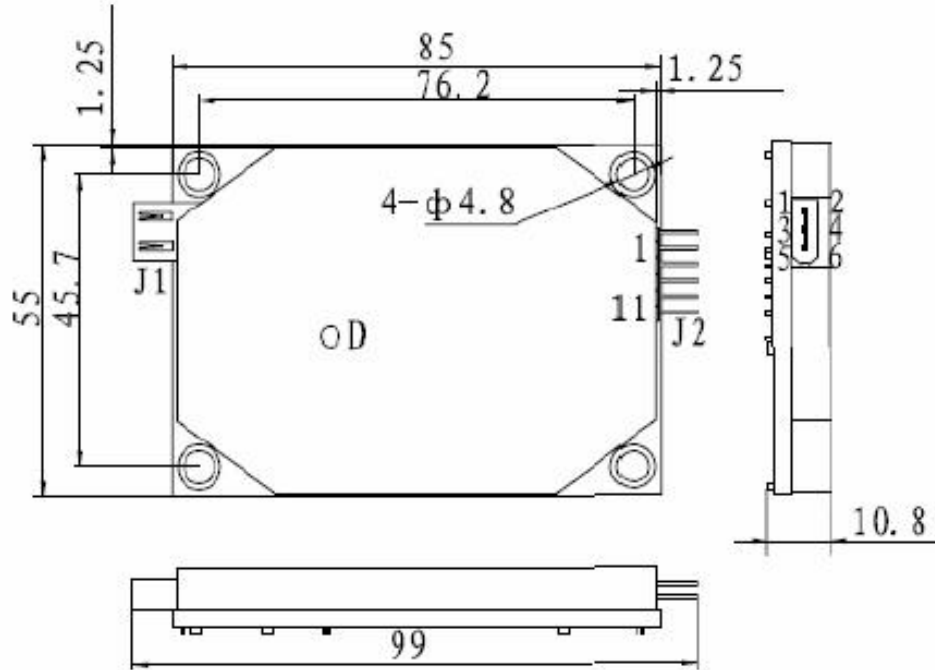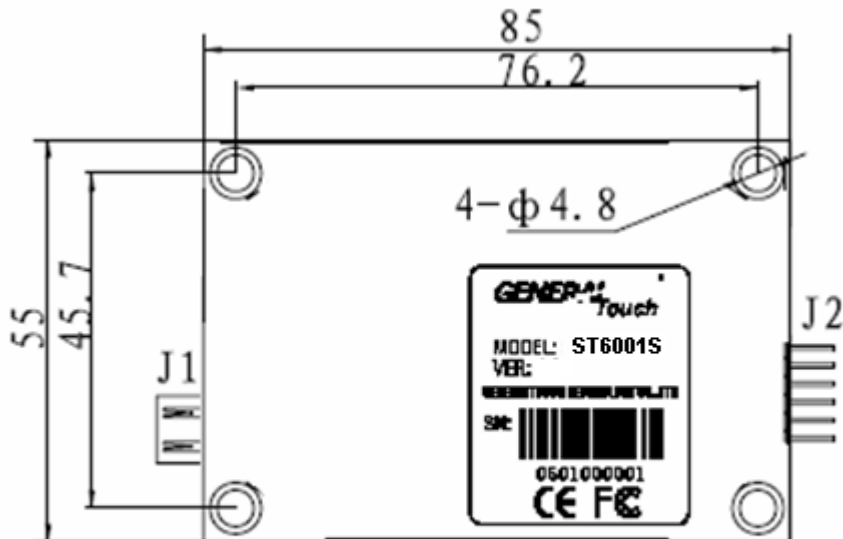Total Width: 55mm
Total Length:99 mm
Total height: 10.8mm (Including connectors)

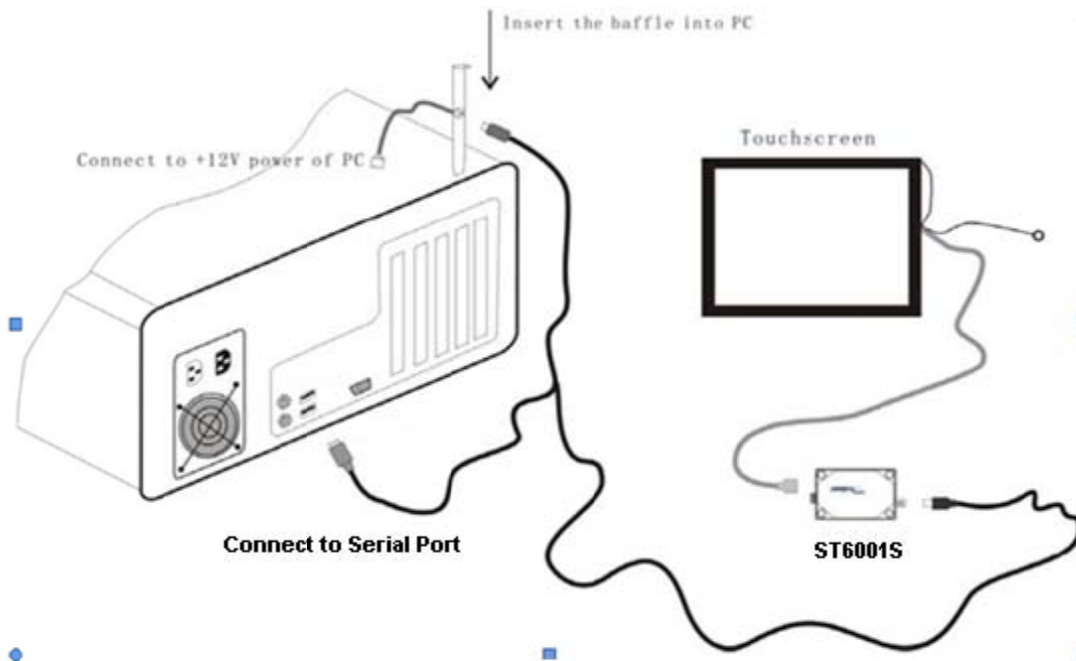**Appendix :**

Fig. 1: Dimensions

Top and side view

Bottom view

http://www.generaltouch.com

Controller Port

JI			
1	NC	4	NC
2	RXD	5	GND
3	TXD	6	+12V

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

Fig. 2: Connect to the computer

Insert the baffle into PC

Touchscreen

Connect to +12V power of PC

Connect to Serial Port

ST6001S

Operation platform
Windows98/ME
Windows 2000/XP
You can get these drivers download from our website:
www.generaltouch.com

http://www.generaltouch.com