



## ST6201SU

<b>Electrical</b>	
Supply Voltage Current	<ul style="list-style-type: none"><li>• +12VDC, normal (+11 to +13VDC).</li><li>• 150mA, typical at 12VDC, average power dissipation is 1.8W, typical.</li><li>• Supply must be capable of sourcing 250mA, minimum.</li><li>• Total noise and ripple requirement must be less than 100mV (p-p) for frequencies below 1MHz, and less than 50mV (p-p) for frequencies above 1 MHz.</li></ul>
Interface	<ul style="list-style-type: none"><li>• EIA 232E (Serial RS-232), DCE configuration. 8 Data Bits, 1 Stop Bits, No Parity, Full Duplex. Baud rate: 9600</li><li>• USB1.1</li></ul>
Operation Mode	Support UP/STREAM/DOWN modes.
Touch Resolution	4096×4096
Touch Activation Force	120
Conversion Time	10.4ms
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°C
<b>Environmental</b>	
Temperature	Operation: 0°C ~65°C Storage: -20°C ~85°C
Humidity	Operating: 10% to 90%, non-condensing Storage: 10% to 90%, non-condensing
Agency Approval & ESD	CE, FCC, RoHS Per EN 61000-4-2: Contact discharge 4KV, air discharge 8KV
Flammability	The printed circuit board substrate is rated with 94V0
<b>Physical</b>	
Construction	Multi-layer surface-mount design with internal ground plane for EMI suppression
Dimensions	Total width: 67mm Total length: 85mm Total height: 12mm