



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**Bergquist Part Number: 400443**

**Revision: A**

**Description: 12.1" Surface Capacitive Touch Screen**

**Mechanical Dimensions and Construction.**

	<b>Specification</b>	<b>Remarks</b>
<b>Overall Dimensions</b>	10.724" x 8.106", 272.40mm x 205.90mm	+/- .020", +/- .50mm
<b>Overall Thickness</b>	.094", 2.3mm	+/- .008", +/- .20mm
<b>Viewable Area</b>	10.020" x 7.598", 254.50mm x 193.00mm	+/- .020", +/- .50mm
<b>Active Area</b>	9.823" x 7.402", 249.50mm x 188.00mm	+/- .020", +/- .50mm
<b>Nominal Glass Thickness</b>	.073", 1.85mm	EMI Shielded

\*See mechanical drawing for additional specification

**Environmental Specification**

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Temperature</b>	-20° C ~ +70° C	
<b>Storage Temperature</b>	-50° C ~ +85° C	
<b>Constant Temperature/ Humidity</b>	70° C/ 90% RH/ 500 Hrs.	Tested at ambient temperature after cycle
<b>Thermal Shock</b>	-40° C ~ +70° C 60 min/cycle/100 times	Tested at ambient temperature after cycle
<b>Chemical Resistance</b>	Acetone, methylene chloride, methyl ethyl ketone, isopropyl alcohol, mineral spirits, unleaded gasoline, diesel fuel, antifreeze, vinegar, coffee, tea, cooking oil, most commercial cleaners including laundry detergent, and ammonia based glass cleaners	10 minutes at room temperature

**Optical Characteristics**

	<b>Specification</b>	<b>Remarks</b>
<b>Light Transmission</b>	>90%	Clear
<b>Haze</b>	<5%	Clear

**Linearity Characteristics**

	<b>Specification</b>	<b>Remarks</b>
<b>Direction X</b>	<1.0%	Linearity is the value of the max. error voltage
<b>Direction Y</b>	<1.0%	Linearity is the value of the max. error voltage

**Durability**

	<b>Specification</b>	<b>Remarks</b>
<b>Activations</b>	200 Million	
<b>Activation Force</b>	≤10g Stylus	
<b>Top Film Hardness</b>	7H	ASTM D3363
<b>Tail Bond Strength</b>	>13 lbs	90° Tail Pull/EMI Shield

**Electrical Specifications**

	<b>Specification</b>	<b>Remarks</b>
<b>Operating Voltage</b>	5V to 16V or USB	
<b>Insulation Resistance</b>	≥ 20 MΩ at 25 V(DC)	
<b>Electrostatic Protection</b>	20 discharges at 15Kv	EN 61000-4-2

**Warranty**

2-year limited warranty

**Mechanical Drawing**

\*\*See attached drawing