## VersaTouch®

Industry's most versatile 4-wire resistive analog touchscreens

## **Mechanical and Dimensional Characteristics**

ITO Glass Construction:Two layer Construction (Glass/Film)Other Constructions available:ELTT, SLRT, EMI, Buffer Layer			
Other Constructions available: FLTT_SLRT_EML_Buffer Laver			
Chief Constructions available: Elerity Senty Emily Barter Edyci	ELTT, SLRT, EMI, Buffer Layer		
<b>Diag. Sizes:</b> 2" – 32" (Standard or wide aspect ratio)	2" – 32" (Standard or wide aspect ratio)		
Borders: As narrow as 0.1"	As narrow as 0.1"		
Tail: Integrated tail or Bonded tail	Integrated tail or Bonded tail		
Connectors: Standard connectors are 2.54 mm (0.10") FCI (Berg),			
Tyco (AMP) and Molex attached to integrated or bor	nded tails		
<b>ZIF Contacts:</b> Material: Gold plated copper			
or Carbon coated silver			
Spacing: 0.5 mm, 1.0 mm, 0.05" and 0.10"			
Input Method: Finger, Gloved hand, Stylus, Prosthetic Limb	Finger, Gloved hand, Stylus, Prosthetic Limb		
Activation Force: Stylus 20 grams, Finger 50 grams			
(Contact factory for custom activation force)			
Life: Over 1 Million touches at a single location			
(Contact factory for extended life version)			
<b>Dimensional Tolerances:</b> Overall size ± 0.015 inch			
Tail length $\pm$ 0.050 inch			
Thickness $\pm$ 0.010 inch			
Layer to layer registration: $\pm$ 0.030 inch			
Printing accuracy: $\pm$ 0.010 inch			
Die cutting accuracy: $\pm$ 0.010 inch	Die cutting accuracy: $\pm$ 0.010 inch		
Surface Hardness: Better than 3H, others available	Better than 3H, others available		
Chemical Resistance: Industrial chemicals acetone, ethylene, chloride, isopr	ropyl alcohol, hexane,		
turpentine, unleaded gasoline, diesel fuel, motor oil, t	transmission fluid,		
antifreeze, Food service chemicals vinegar, coffee, tea	a, grease, cooking oil,		
salt and most commercial cleaners including ammon	nia-based glass cleaner		
and laundry detergent.			

<b>Optical Characteristics:</b>		Three Layer Construction	Two Layer Construction	Optically Enhanced Construction
	Light Transmission <sup>*</sup> :	78	81	91
	Reflection <sup>*</sup> :	20	20	3.5
	Clarity:	99	99	99
	Haze:	2.5	0.9	2

\* ASTM STD D 1003, Values are for clear hardcoat finish

## **Electrical performance**

Non-Linearity (Average):	Less than 1%
Non-Linearity (Maximum):	Less than 3%
Input Voltage:	2 to 5 Volts
Current:	50 mili-Amp (Max.)
Sheet Resistance:	300 Ohms/Square (Typical)
Bounce:	10 ms
ESD:	15KV

## **Environmental Characteristics**

<b>Temperature and</b>	Humidity:
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	Operating	Storage
Temp	0C to 50C	-20C to 70C
Humidity	95% at 50C	95% at 50C

Contact factory for environmental requirements outside of the standard range

Sealing:	To NEMA 4, 12 and IP 65 standards
Altitude:	Operating 10,000 ft storage 30,000 ft
Warranty:	Limited 1 year – extended warranty available
Controllers:	Work with all industry standards controllers