

VersaTouch8®

Industry's most versatile 8-wire resistive analog touchscreens

Mechanical and Dimensional Characteristics

Standard Construction:	Three layer Construction (Glass/Film/Film)
ITO Glass Construction:	Two layer Construction (Glass/Film)
Other Constructions available:	ELTT, SLRT, EMI, Buffer Layer
Diag. Sizes:	2" – 32" (Standard or wide aspect ratio)
Borders:	As narrow as 0.1"
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 bonded tails
ZIF Contacts:	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
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)
Dimensional Tolerances:	Overall size ± 0.015 inch Tail length ± 0.050 inch Thickness ± 0.010 inch Layer to layer registration: ± 0.030 inch Printing accuracy: ± 0.010 inch Die cutting accuracy: ± 0.010 inch
Surface Hardness:	Better than 3H, others available
Chemical Resistance:	Industrial chemicals acetone, ethylene, chloride, isopropyl alcohol, hexane, turpentine, unleaded gasoline, diesel fuel, motor oil, transmission fluid, antifreeze, Food service chemicals vinegar, coffee, tea, grease, cooking oil, salt and most commercial cleaners including ammonia-based glass cleaner and laundry detergent.

Optical Characteristics

	Three Layer Construction	Two Layer Construction	Optically Enhanced Construction
Light Transmission*	78	81	91
Reflection*	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

Temperature and Humidity:

	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