



6,4" Touchscreen Kit resistive 4-wire

Art.Nr.:

301.4506xx

Mechanical Characteristics

Activation force	Less than 40gr. Using by the silicone finger, hardness = 60° of diameter 16mm
Input Methods	Finger, glove hand, pen or stylus
Surface Hardness	Meets pencil hardness 3H (per ASTM D3363)
Position Accuracy (Linearity)	Less than 1.5%
Resolution	Based on controller resolution of 4096 x 4096

Reliability

	The following characteristics are generated by evaluating test samples after 2 hours leaving in the room condition when each of the reliability test finishes.
Storage Temperature-high	80°C for 240 hours (at ambient humidity)
Storage Temperature-low	-25°C for 240 hours
Thermal Shock	-20°C (1hr.) ~ 70°C (1hr.) 10 cycles
High Temp./Humidity Test	60°C/90%RH: 240hours
Operating Life 1:	250g, 1 activations / sec (By using Silicone finger)
Hitting Key Test	More than 3.00.000 time (By using Silicone finger)
Operating Life 2:	250g, 4.5mm / sec. (By using polyester finger)
Writing Test	More than 200.000 times (By using polyester finger)

Optical Performance

Light Transmission	75~85% (typical value) (per ASTM D1003)
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Environmental Conditions

Size	6,4"
Glass Thickness	1mm
Operating Temperature	-20°C ~ 70°C
Operating Humidity	5% ~ 96%RH (no dew falls)
Storage Temperature	-25°C ~ 80°C
Storage Humidity	5% ~ 96% RH (no dew falls)
Water Spray	not damaged by running water applied to the active area

Chemical Resistance

The touch panel active area of the touchscreen is resistant to the following chemicals when exposed for a period of one hour at 21°C:

- Aceton
- Ammonia-based glass cleaners
- Common foods and beverages
- Hexane
- Isopropyl alcohol
- Methylene chloride
- Methyl ethyl ketone
- Mineral spirits
- Turpentine

Electrical Characteristics

Supply Voltage	+5VDC, nominal
Contact Bounce	less than 10ms (input by finger)
Lead to Lead Resistance	200Ω ~ 500Ω (between X1-X2) 200Ω ~ 500Ω (between Y1-Y2)
Insulation Resistance	More than 20M ohms at DC 25V

Options:

301.450600	USB Interface
301.450610	RS232 Interface

NOTE:
1. CABLE IS ATTACHED TO THE LEFT SIDE OF TOUCH PANEL AS SHOWN.
2. TAIL CONNECTOR: PITCH 2.54mm

