Panel PC - Rear Mount LCD - Open Frame LCD - Touchscreen Kit

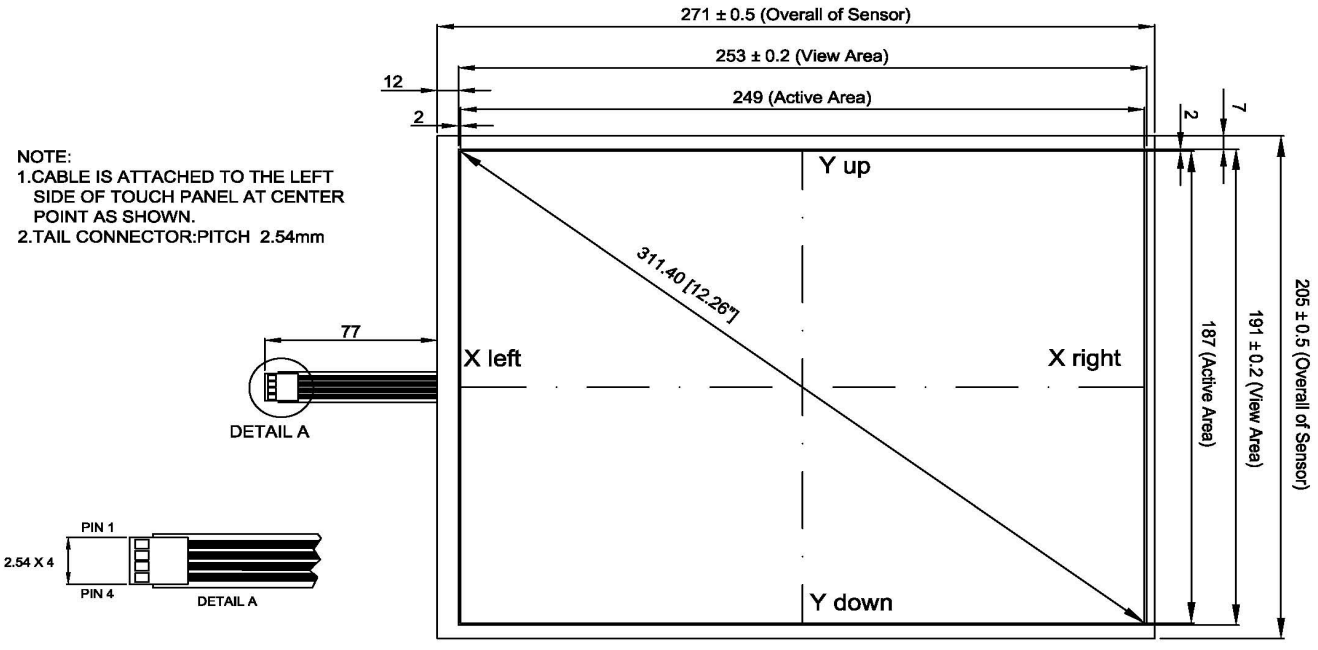
touch screen dis play

12,1" Touchscreen Kit resistive 4-wire

Art.Nr.: **301.4512xx**

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 Termperature-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)

Environmental Conditions	
Size	12,1"
Glass Thickness	2mm
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
Chmical Resistiance	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:	
301.451200	USB Interface
301.451210	RS232 Interface



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