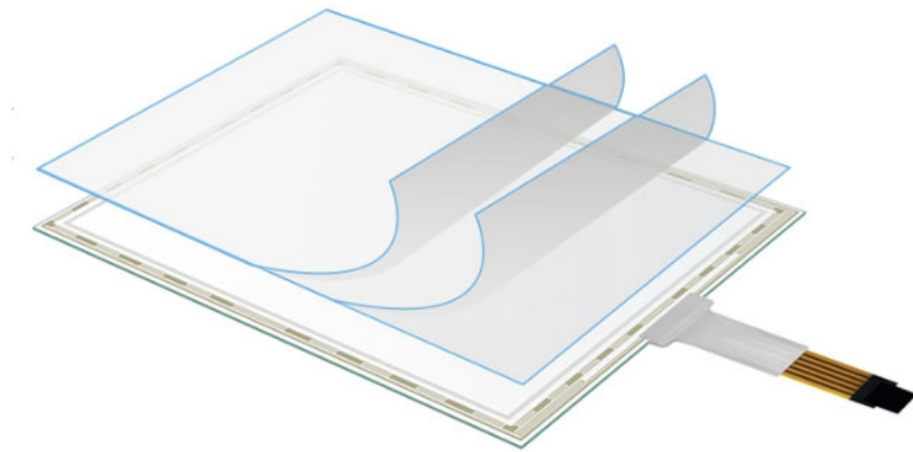


Product Description



5 Wire Resistive Touch Screens
Available Size 7 Inch-32 Inch
5 Wire Resistive Touch Screen, 7" -22", OEM ODM

Product Description

Product Description

Technical Data

Part Number	TDS121A5B03
Screen Diagonal	12.1"
Format	4:3
Active Area (L*W:mm)	245.3*186

View Area (L*W: mm)	250.3*191
Outline Dimension (L*W:mm)	262.8*199.8
Surface Disposal	Anti-Glare Coating Anti-Newton Ring Glare (Option)
Glass Thickness	1.3/ 1.8mm
Touch Technologies	
Touch Technologies	Analog Resistive 5-Wire Touchscreen
Sensor Construction	ITO Film and ITO Glass
Input Method	Finger Gloved hand Passive stylus
Active Force	≤ 45g~110g
Linearity Error	≤1.5%
Response Time	10ms
Surface resistance	200Ω~900Ω
Operating Life	Finger Input Over 5,000,000 hits Character Input (pen) Over 100,000 Characters
Surface Hardness	Over 3H (per ASTM D3363) based on technology requests
Environmental Specifications	
Light Transmission	Over 80% (Meet ASTM D1003)
Operating Temperature	-20°C ~ 70°C (no condensation)
Storage Temperature	-30°C ~ 80°C (no condensation)
Operating Humidity	10%~90% RH at 60°C, non-condensing
Storage Humidity	10%~90% RH at 40°C, non-condensing
Chemical Resistance	Alcohol, Gasoline, Machine Oil, Ammonia, Glass Cleaner, Mayonnaise, Ketchup, Salad Oil Vinegar, Lipstick, Toluene, Trichloroethylene, Athetone, Wine, etc.

Electrical Characteristics

Operation Voltage	Typical +DC 5V (3~7 V)
Interface	FPC Pintch 0.5mm/1mm (connect with mainboard) Via Controller Board: 1. Full Duplex USB 2.0 (Full Speed) Plug and play compatible 2. Serial RS-232. Baud Rate: 9600, 8 Data Bits, 1 Stop Bit, No Parity
Current	5mA~25mA
Electrostatic Endurance	No abnormal appearance after 10kv, 100Ω, 250PF electrostatic used
Isolation Resistance	>20MΩ @ DC 25V
Resistance	300Ω< X Axis <900Ω, 200Ω< Y Axis <800Ω (according sizes)
Reliability Tests	
Heat Cycle	70°C /240 hrs
Cold Cycle	-40°C /240 hrs
Thermal Cycle	-40°C ~70°C [60 min./cycle] *10 cycles
Resistive Touch Drivers	
Operation System	Dos, Windows ME,Windows 95,Windows 98,Windows NT4.0,Windows XP Windows 2000,Windows 7,Windows 8,Windows 10 Mac OS Linux Android

* The specification is subject to change without prior notice.