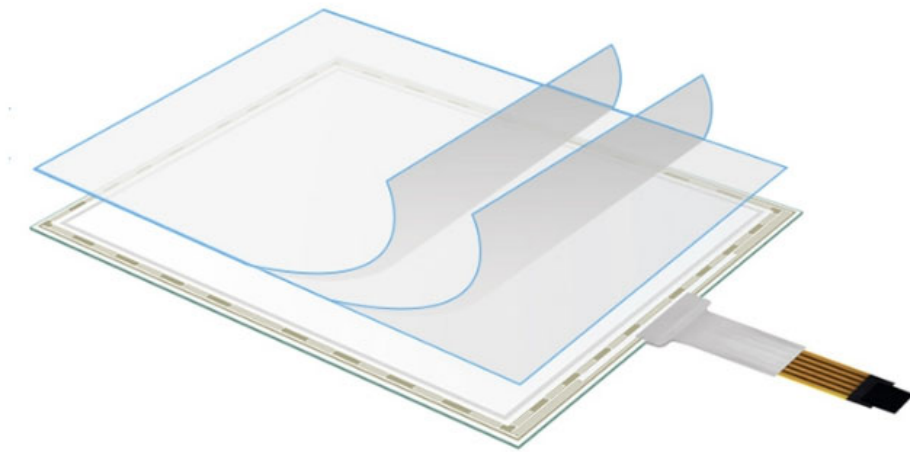


Product Description



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

Product Description

| Technical Data | |
|----------------------|--------------------|
| Part Number | TDS101A5K01 |
| Screen Diagonal | 10.1" |
| Format | 16:10 |
| Active Area (L*W:mm) | 216.96*135.6 |
| View Area (L*W: mm) | 219.76*138.4 |

| | |
|------------------------------|-------------------------------------------------------------------------------------------|
| Outline Dimension (L*W:mm) | 229.06*173 |
| 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.