

Featured supplier

The logo for AMT consists of the letters "AMT" in a bold, blue, sans-serif font. The letter "M" is stylized with a small square cutout on its right side.

Customers are looking for a **touch panel with LCD as a single part number solution** that allows them to source a complete touch assembly from one supplier. Alcom releases our single part number solution as Touch Display products to fulfill customer product design, manufacturing, and purchasing requirements. The Touch Display is a complete touch product that includes a resistive or PCAP touch panel, PenMount resistive or PCAP touch control board, bonding service, and LCD panel.

In addition, PhotoReal décor glass enhances the aesthetics of the Touch Display product. AMT PhotoReal décor glass printing is extremely flexible and can produce designs intricate enough to fulfill any customer requests.

Touch Display Products



AMT Touch Panel



PenMount
Control Board



LCD

Applications & Markets



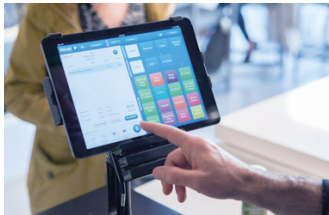
Industrial



Medical & Healthcare



Transportation



Commercial



Outdoors



Mission Critical

Industrial, Scientific and Medical Touch Solution Provider

PCAP Touch Panel Specifications

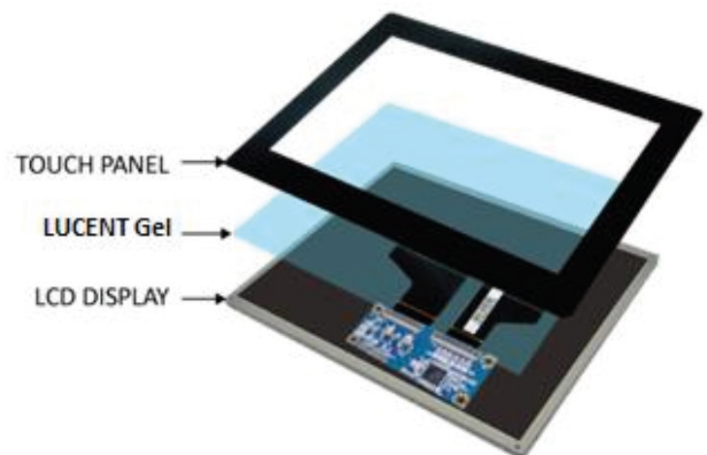
- Sensor Size : 3.5"~32"
- Tail Design : FPC or COF tail
- Surface Hardness : Mohs 5 for clear surface glass
- Cover Lens Thickness : 1.1/ 1.8/ 2.8mm
- Light Transmission : 90% ± 3%
- Haze : < 3% based on clear surface
- Input Media : Finger, and gloved hand
- Cover Lens : Glass
- Activation Force : Forceless
- ADC Resolution : 10 bits

Touch Displays

- TP + LCD + bonding + Touch control board
 - Air Bonding: Touch Panel + DSA + LCD panel,
 - Optical bonding: Touch Panel + SOCA + LCD panel
- SOCA : Lucent Gel
- LCD panel with dry bonding process size is up to 21.5"

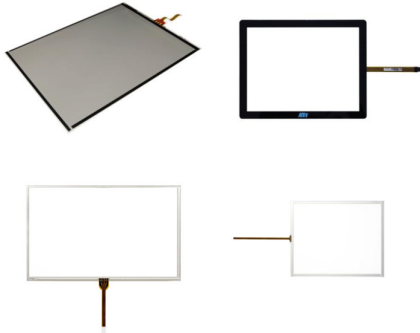
PenMount Control Board Specifications

- Storage Temperature : -40°C ~ +85°C
- Operating Temperature : -30°C ~ +80°C
- Operating Voltage : +5V
- Drivers : Windows 7, 8, 10, Vista, XP, CE
- Linux : Android, others by request
- Firmware : Develop by PenMount team

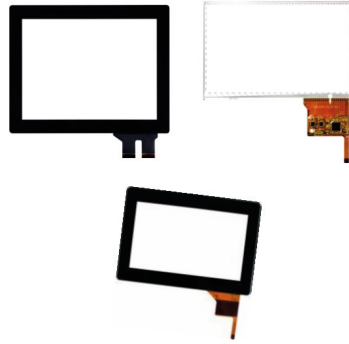


Resistive & PCAP Touch Solutions

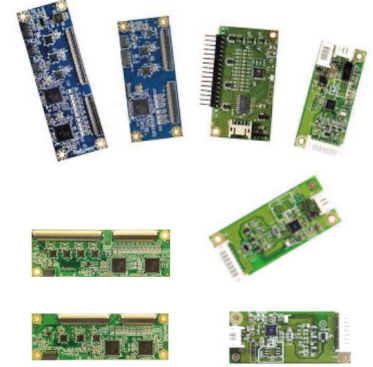
Resistive Touch



PCAP Touch



PenMount Controller



Value Added PCAP Solution



Touch Display

- LCD Panel
- Air Bonding
- Optical Bonding
- PenMount Controller



Color Décor Glass

- A full-color digital printing (PhotoReal)



Value Added TP

- Anti-UV
- Low Reflective
- Virtual Key
- Others

Dry Bonding Advantages

- Proprietary dry bonding SOCA material – Lucent Gel
- Different SOCA thicknesses available
- Size is up to 21.5"
- High light transmission
- Anti-UV, no yellowish material
- High reliability
- High optical bonding yield rate, up to 95%.
- Effectively increases display impact absorption by 80%. LCD panel does not fragment easily



Co-creation starts here



ELECTRONIC COMPONENT SOLUTIONS	<ul style="list-style-type: none"> • Semiconductors • Passives • Electromechanical • Photonics 	<ul style="list-style-type: none"> • Wireless Modules • Wireless Boxed • Networking & Connectivity
WIRELESS & NETWORKING		
DISPLAY & TOUCH	<ul style="list-style-type: none"> • Display • Touch 	<ul style="list-style-type: none"> • Led • Solid State Lighting
LED & SOLID STATE LIGHTING		
EMBEDDED COMPUTING	<ul style="list-style-type: none"> • SBC, CPU & IPC • Memory Storage • Rugged Mobile Computing 	<ul style="list-style-type: none"> • Power Conversion • EMC
POWER & EMC		

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