

AMT POLYM PCAP TOUCH SOLUTION BRINGS SAFETY TO A NEW LEVEL

Applications such as the food industry and public touch devices often avoid glass materials in their touch devices for safety reasons. AMT incorporated a new material – polymer composite into their new projected capacitive (PCAP) touch device to improve the ability to withstand impact. Polymer composite makes the device thin, light-weighted, and highly durable, markedly enhancing impact resistance. AMT Introduces its new Polym Touch solution.

THIN, LIGHT, DURABLE AND ANTI-UV

For impact-resistant PCAP touch products, thick glass cover lenses are often used. Unfortunately, the weight of the glass cover increases significantly when the size of the product increases. The new Polym Touch uses polymer composite for the cover, which is only half of the weight of glass. The introduction of this material makes the product thin, and light-weight, yet still meets the IK10 drop ball test specification! With this innovation, the thickness and weight of your product can be significantly reduced whilst maintaining impact resistance. Last but not least, the polymer composite comes with anti-ultraviolet features, which meets the standard of ASTM G154-Cycle 1, 1000 hours, meaning it can withstand UV ray damage without additional processing.

Justin Coleman, display business manager, RDS said, “AMT’s composite polymer PCAP solution provides excellent impact resistance and is suitable for small and medium-sized products that need to be lightweight, rugged, and able to meet industry standard drop test specifications. AMT are constantly improving and developing the functionality, flexibility, and reliability of their PCAP touch solutions. The new Polym Touch cover lens solution offers greater scope and versatility for new PCAP touch designs.”

PRODUCT DESIGN

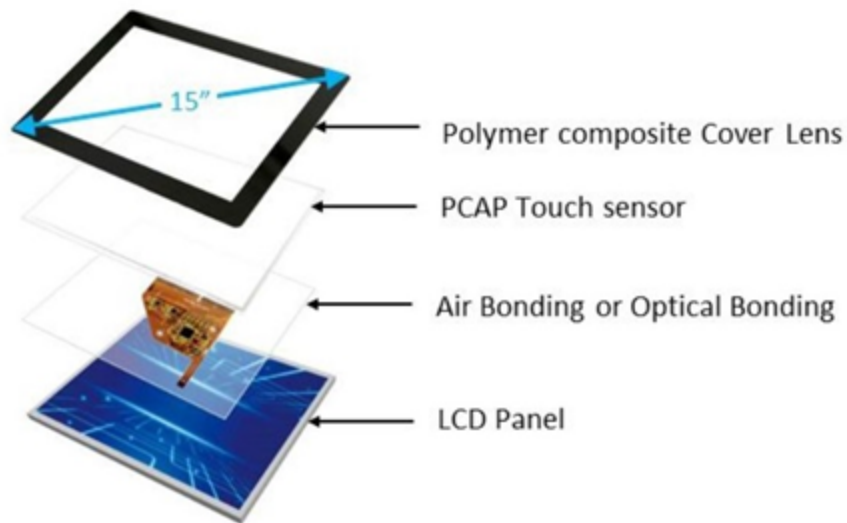
AMT Polym Touch is now available in PCAP touch panels up to ≤15” (362 x 216mm) in outside dimensions. Choices such 1.0mm, 1.5mm and 2.0mm polymer composite material are available. Please remember that, larger size request thicker cover lens. The polymer composited material can be applied to all the PCAP designs as well as the controllers AMT offers, such as PenMount P2 series (Microchip IC), PenMount K1 series (ILITEK IC), and AE series (EETI IC) touch controllers.

SPECIAL NOTICE

However excellent Polymer composite is, it remains a plastic material. We want to remind clients the material does deform under high temperature and humidity. If the composite material deforms, the appearance will be affected. **HOWEVER**, the touch function will be maintained within the range of operating and storage temperatures!

POLYM IS FOR PROTECTION

Polym Touch has excellent impact resistance and is suitable for small and medium-sized products that have a no glass fragment requirement, need to be light-weight, and can still pass the IK10 specification. AMT will continue to improve the functionality, flexibility, and reliability of the PCAP solution. Contact RDS today for more product information about the new AMT Polym PCAP Touch Solutions.



Key features:

- Display size: up to 15-inch display - 362mm (l) x 216mm (w) external dimensions
- Cover lens thickness: 1.0, 1.5 and 2.0mm available
- Light transmission: 90% \pm 3%
- Surface hardness: \geq 3H
- Operating temperature range: -30°C to +60°C
- Storage temperature range: -40°C to +60°C
- UV rating: meets ASTM-G154 QUV test 1,000 hours



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