

EPO-TEK® Epoxies for Haptic Applications



Specialty Epoxy Adhesives For Diverse Haptic Applications

Haptic Display

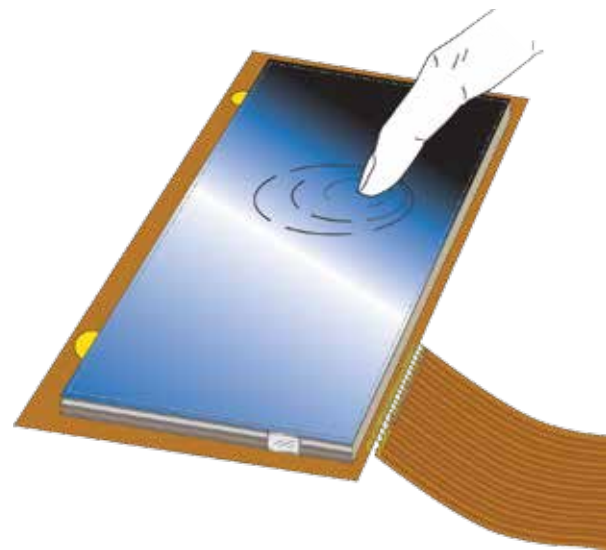
Front End Assembly

EPO-TEK® 301-2, 301-2 FL and OG142-87 deliver low Water Vapor Transmission Rate (WVTR) and excellent clarity for *glass-to-glass* lamination.

EPO-TEK® OG116-31, OG159-2 and B9021-14 provide *gasket sealing*; along with OG116-31 and OG142 for *plug sealing* when creating the liquid crystal (LCD) display.

Back End Fabrication

EPO-TEK® EJ2189-LV and H20E provide electrical conductivity for the *Indium Tin Oxide* (ITO) connections. EJ2189-LV allows for a low stress, RT cure; H20E offers a faster heat cure.

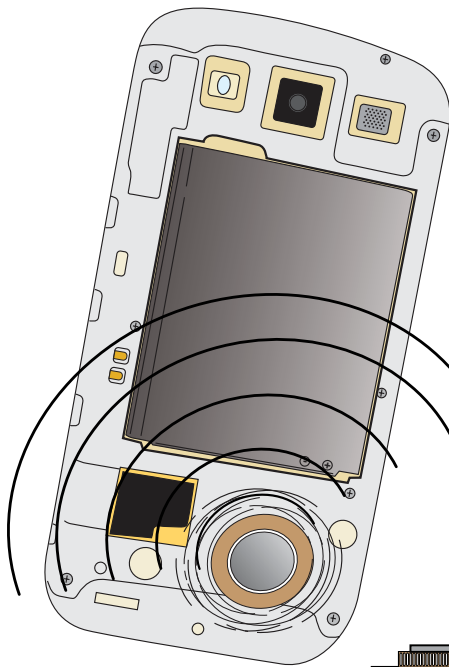
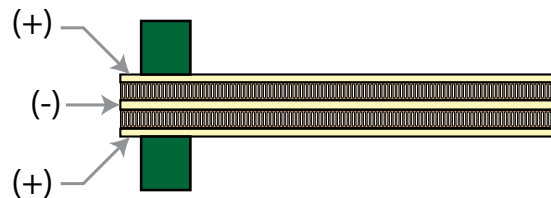
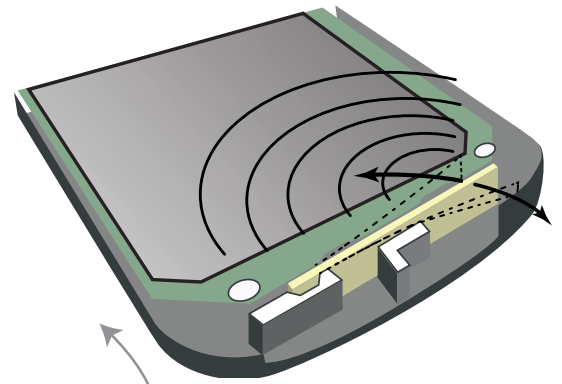


EPOXY
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Piezo Actuators

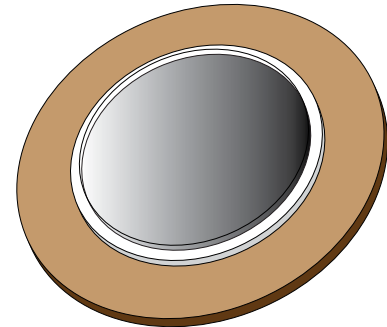
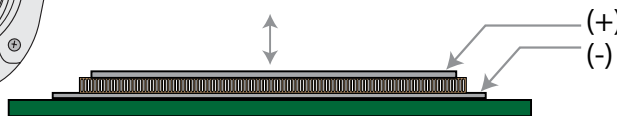
Piezo Layers / Stack Assembly

Our low viscosity adhesives are able to provide a ruggedized composite; capable of handling both high frequency and high strain vibration. EPO-TEK® 301-2, 353ND and 377 deliver excellent wetting and flowability in the *lamination* of PZT ferroelectric layers.



Piezo Electrode Bonding

Our two component, electrically conductive adhesives offer excellent vibration resistance and long-term reliability. EPO-TEK® E4110-PFC, EJ2189-LV, H20E, H20E-FC and H20E-PFC provide an *electrical pathway* from the PZT electrode to the PCB pad, converting an electrical impulse to a mechanical movement.



Specialty adhesive formulation is our strength. Let us assist you in finding the best adhesive solution for your unique haptic design challenges.

Contact our Technical Application Specialists at:
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