The Tinker's Toolbox - XStatic Polymer Nano-Composite Provides ESD Protection

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Hosted by ECN's Editorial Director, Alix Paultre, the Tinker's Toolbox is ECN's web-based interview show where we talk about the latest technology, components, and design issues for the electronic design engineering community.

In this episode of the Tinker's Toolbox, we talk to Lex Kosowsky of Shocking Technologies about their new XStatic polymer nano-composite for protecting electronic products from the effects of electrostatic discharge (ESD). The Voltage-Switchable Dielectric material is embedded in printed circuit boards or semiconductor packaging to significantly increase a product’s protection against harmful ESD events.

Right-click to download the podcast [1]

Podcast link: Shocking Technologies Interview [1]

Click here to see the XStatic technology presentation [2]

XStatic functions as an insulator during normal circuit operation and becomes conductive when the voltage increases beyond a predefined threshold. The material reverts back to an insulator after the voltage drops back below the threshold to normal operating levels. The net result is that all ICs mounted on a board or

substrate are shielded from ESD voltage spikes that would otherwise damage the chip .

For more information go to www.shockingtechnologies.com [3]

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http://www.ecnmag.com/podcasts/2011/01/tinkers-toolbox-xstatic-polymer-nano-composite-provides-esd-protection?qt-video_of_the_day=0

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