

Flexible Electronics – Packaging Design

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Abstract

Flexible Electronics have been around for a while, but are advancing tremendously due to the technology needs of several industries. They have changed significantly in what materials are being used, the expected reliability (which is awesome), and are making new technologies like “wearables” and “touch-screen products” grow incredibly fast. Everything you ever saw in “The Jetsons” is happening. Industries that use flexible electronics include: Medical, Wearable Consumer Products, Aerospace & Aeronautical, Outdoor Applications, Automotive, Laboratory Equipment, and General Electronics. Products include, multilayer circuits, flexible heaters, rigid – flex combinations, optical circuits, LED circuits, touch-screen interfaces, and shielding. All the above industries and products will be covered to identify risk areas and special areas of concern.