

3M Releases Polycarbonate Ultra Precision Carrier Tape for Electronics Transport

3M Polycarbonate Ultra Precision Carrier (UPC) Tape 3000UP and 3000UB, recently introduced by the 3M Electronic Solutions Division, offers electronic component manufacturers a reliable and convenient means of protecting and transporting small electronic components, helping to minimize product loss.

3M UPC tape is designed to meet the growing challenges of packaging and transporting smaller and thinner electrical and electronic devices in tape and reel. The carrier tape is designed to minimize tilt, flip and migration of small and ultra thin components while in transport. The static-dissipative properties of 3M UPC tape provide excellent protection for static-sensitive components.

The carrier tape's precision pocket cavity dimensions, tight tolerances and small pocket holes enhance component-in-pocket fit and registration of electronic components. Unique tooling and precision processing technology from 3M enables form sizes as low as to 0603 (0201). Nominal UPC tape pocket-hole-forming capability, down to 0.20 mm, restricts movement and tilting to allow component placement into pocket cavities accurately during component insertion applications. An ultra-small pocket hole is available for vacuum to enhance component stability during taping applications. The carrier tape is also available in a clean room packaging format.

The carrier tape's high-temperature resistance, high tensile strength and low shrinkage characteristics bolster dimensional accuracy for consistent component-in-pocket form.

3M UPC tape is compatible with most cover tapes on the market. 3M recommends 3M Universal Cover Tape (UCT) with pressure sensitive adhesive for optimal protection and system performance.

About 3M Electronic Solutions Division

3M Electronics Solutions Division offers innovative solutions to the electronics market, such as static control products; copper interconnect systems; cables and cable assemblies; carrier and cover tapes and trays; flexible circuits; embedded capacitor materials; and Textool-brand test and burn-in sockets. For more information on interconnect solutions available from the 3M Electronic Solutions Division, visit www.3M.com/electronics

About 3M

A recognized leader in research and development, 3M produces thousands of innovative products for dozens of diverse markets. 3M's core strength is applying its more than 40 distinct technology platforms - often in combination - to a wide array of customer needs. With \$25 billion in sales, 3M employs 76,000 people worldwide and has operations in more than 60 countries. For more information, visit www.3M.com/.

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Editors: Electronic images available from <http://tinyurl.com/3MESDNews> or contact Jane Kovacs at atjkovacs@mmm.com.

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3m, carrier tape, electronic components, electronics transport, polycarbonate, semiconductor, semiconductor manufacturing, semiconductor transport, tape, tape & reel, tape and reel, transport

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