



Electronics Manufacturing: with Lead-Free, Halogen-Free, and Conductive-Adhesive Materials (Hardback)

By John H. Lau, C. P. Wong, Ning-Cheng Lee

McGraw-Hill Education - Europe, United States, 2002. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.This comprehensive guide provides cutting edge information on lead-free, halogen-free, and conductive-adhesive technologies and their application to low-cost, high-density, reliable, and green products. Essential for electronics manufacturing and packaging professionals who wish to master lead-free, halogen-free, and conductive-adhesive problem solving methods, and those demanding cost-effective designs and high-yield environmental benign manufacturing processes, this valuable reference covers all aspects of this fast-growing field. Written for design, materials, process, equipment, manufacturing, reliability, component, packaging, and system engineers, and technical and marketing managers in electronics and photonics packaging and interconnection, this book teaches a practical understanding of the cost, design, materials, process, equipment, manufacturing, and reliability issues of lead-free, halogen-free, and conductive-adhesive technologies. Among the topics explored: chip (wafer) level interconnects with lead-free solder bumps; lead-free solder wafer bumping with micro-ball mounting and paste printing methods; lead-free solder joint reliability of WLCSPs on organic and ceramic substrates; chip (wafer) level interconnects with solderless bumps such as Ni-Au, Au, and Cu, Cu wires, Au wires, Au studs, and Cu studs; design, materials, process, and reliability of WLCSPs with solderless interconnects on PCB/substrate; halogen-free molding...



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