## PLASTIC-ENCAPSULATED MICROELECTRONICS



Materials, Processes, Quality, Reliability, and Applications

## Edited by

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## Library of Congress Cataloging-in-Publication Data:

Pecht, Michael. Plastic encapsulated microelectronics: materials, processes, quality, reliability, and applications / Michael G. Pecht, Luu T. Nguyen, Edward B. Hakim. p. cm. Includes index. ISBN 0-471-30625-8 (cloth ; alk. paper)

1. Microelectronic packaging--Materials. 2. Microencapsulation. 3. Plastics in packaging. I. Nguyen, Luu T. II. Hakim, Edward B. III. Title. TK7874.P428 1995 621.381'046--dc20

94-46528

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Printed in the United States of America

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GI	466 GLOSSARY
TI	temperature; i.e., the quantity of heat required to raise the temperature of 1 g of a substance by
and	1.6.
	STITCH BOND: A bond in which a capillary tube is used for feeding the wire and forming the
fiten	bond sequentially in a stitch pattern. The wire is not formed into a ball prior to bonding.
	STORAGE TEMPERATURE: The temperature at which a device without any power and
ТН	is stored.
mat	STRESS: Caused by themsel minute t
TH	device. In a plastic-encapsulated device, part of the stress is also due to it.
shaj	polymer network which shrinks during the polymerization. Also often referred to an additional
plas	stress, shrinkage stress, molding stress, or encapsulating stress.
TH	STRESS RELAXATION: The time-dependent decreases in stars in the
mea	constraint conditions.
тн	SUBSTRATE: A supporting platform for an active space in the back of the
are	and a supporting platform for an active or passive electrical or electronic component.
proti	SURFACE-MOUNT TECHNOLOGY (SMT): The general category of expertise for mounting
TRA	substrates.
holdi	SURFACE RESISTIVITY: The resistance to a current flow along the surface of a material;
TRA	TAPE AUTOMATED BONDING (TAD). The difference
amou	and carrier of a microelectronic component in a gang bonding process.
ULT	TEMPERATURE CYCLING: An environmental test in which the section of
join t	several changes from one temperature to another over a period of time.
USEF	TENSILE STRENGTH. The pulling stress that is a stress to a
to be	usually measured in Pa.
VADO	
The se	Conducted through a write third
	endered through a unit through so is a material.
VIA:	THERMAL EXPANSION: The expansion of a material when subjected to temperature change
made	(usually a temperature increase).
VIA 1	THERMAL GRADIENT: The plot of temperature change and the former the bulk
conduc	thickness of a material being heated.
VISCO	THERMAL MISMATCH, Difference of the state of the
toas	bonded together.

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