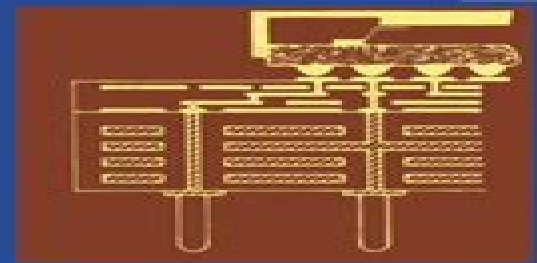


MICROELECTRONICS PACKAGING HANDBOOK

Semiconductor Packaging

PART II



Second Edition

Edited by
Rao R. Tummala
Eugene J. Rymaszewski
Alan G. Klopfenstein

Microelectronics Packaging Handbook Part 2

Semiconductor Packaging Pt 1

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H.R. Kricheldorf, 2008-03-05 With contributions by numerous exeperts

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Klopfenstein, 2012-12-06 Electronics has become the largest industry surpassing agriCULTure auto and heavy metal industries It has become the industry of choice for a country to prosper already having given rise to the phenomenal prosperity of Japan Korea Singapore Hong Kong and Ireland among others At the current growth rate total worldwide semiconductor sales will reach 300B by the year 2000 The key electronic technologies responsible for the growth of the industry include semiconductors the packaging of semiconductors for systems use in auto telecom computer consumer aerospace and medical industries displays magnetic and optical storage as well as software and system technologies There has been a paradigm shift however in these technologies from mainframe and supercomputer applications at any cost to consumer applications at approximately one tenth the cost and size Personal computers are a good example going from 500IMIP when products were first introduced in 1981 to a projected IIMIP within 10 years Thin light portable user friendly and very low cost are therefore the attributes of tomorrow s computing and communications systems Electronic packaging is defined as interconnection powering cool ing and protecting semiconductor chips for reliable systems It is a key enabling technology achieving the requirements for reducing the size and cost at the system and product level *Proceedings*, 2004 **Electronic**

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Paper ,1991 [Subject Guide to Books in Print](#) ,1993

[Electronics Manufacturing](#) John H. Lau,C. P. Wong,Ning-Cheng Lee,Ricky S. W. Lee,2002-09-13

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