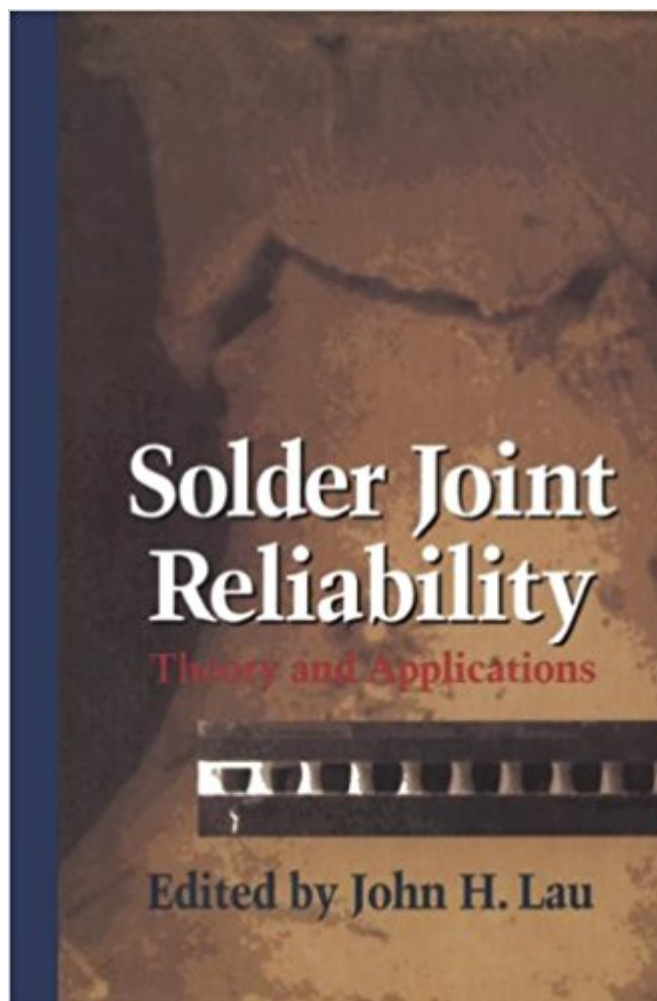


The book was found

# Solder Joint Reliability: Theory And Applications



## Synopsis

Solders have given the designer of modern consumer, commercial, and military electronic systems a remarkable flexibility to interconnect electronic components. The properties of solder have facilitated broad assembly choices that have fueled creative applications to advance technology. Solder is the electrical and mechanical "glue" of electronic assemblies. This pervasive dependency on solder has stimulated new interest in applications as well as a more concerted effort to better understand materials properties. We need not look far to see solder being used to interconnect ever finer geometries. Assembly of micropassive discrete devices that are hardly visible to the unaided eye, of silicon chips directly to ceramic and plastic substrates, and of very fine peripheral leaded packages constitute a few of solder's uses. There has been a marked increase in university research related to solder. New electronic packaging centers stimulate applications, and materials engineering and science departments have demonstrated a new vigor to improve both the materials and our understanding of them. Industrial research and development continues to stimulate new application, and refreshing new packaging ideas are emerging. New handbooks have been published to help both the neophyte and seasoned packaging engineer.

## Book Information

Hardcover: 631 pages

Publisher: Van Nostrand Reinhold (May 31, 1991)

Language: English

ISBN-10: 0442002602

ISBN-13: 978-0442002602

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 3 customer reviews

Best Sellers Rank: #820,938 in Books (See Top 100 in Books) #144 in Books > Engineering & Transportation > Engineering > Mechanical > Welding #179 in Books > Textbooks > Engineering > Electrical & Electronic Engineering #417 in Books > Computers & Technology > Hardware & DIY > Design & Architecture

## Customer Reviews

Excellent info in here that is hard to find even in my Electrical Engineering books. This is more hands on/technical and gives you insight on how to improve your soldering skills and/or judge other's soldering.

Very good book, but still is missing some information, Specially in fluxes, I found there a big challenge for the author

In depth treatment of solder joint reliability. Excellent text for those attempting to understand the solder joint metalurgy and life calculation. Detail can be mind-numbing, but all the material includes high level information as well as all the gritty details. A must for the reference shelf, as I find myself referring to it often.

[Download to continue reading...](#)

Solder Joint Reliability: Theory and Applications Solder Joint Reliability Assessment: Finite Element Simulation Methodology (Advanced Structured Materials) Temporomandibular Joint Total Joint Replacement – TMJ TJR: A Comprehensive Reference for Researchers, Materials Scientists, and Surgeons Probability and Statistics with Reliability, Queueing, and Computer Science Applications, 2nd Edition Probabilistic fracture mechanics and reliability (Engineering Applications of Fracture Mechanics) Reliability and Validity Assessment (Quantitative Applications in the Social Sciences) Human Reliability Analysis: A Systems Engineering Approach with Nuclear Power Plant Applications Joint Operational Warfare Theory and Practice and V. 2, Historical Companion Price Theory and Applications (with Economic Applications, InfoTrac 2-Semester Printed Access Card) Price Theory and Applications (with Economic Applications) The Mechanics and Reliability of Films, Multilayers and Coatings Semiconductor Laser Engineering, Reliability and Diagnostics: A Practical Approach to High Power and Single Mode Devices IEEE Guide to the Collection and Presentation of Electrical, Electronic, Sensing Component, and Mechanical Equipment Reliability Data for Nuclear-Pow (IEEE Std 500-1977) The DevOps Handbook: How to Create World-Class Agility, Reliability, and Security in Technology Organizations Rules of Thumb for Maintenance and Reliability Engineers Fleet Purchasing, Maintenance and Reliability How We Got the Bible Pamphlet: A Timeline of Key Events and History of the Bible (Increase Your Confidence in the Reliability of the Bible) Managing Risk and Reliability of Process Plants Probability, Reliability, and Statistical Methods in Engineering Design Reliability of RoHS-Compliant 2D and 3D IC Interconnects (Electronic Engineering)

Contact Us

DMCA

[Privacy](#)

[FAQ & Help](#)