



Quality Hand Soldering and Circuit Board Repair

By H. Ted Smith

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Straightforward and easy to understand, the Sixth Edition of *Quality Hand Soldering and Circuit Board Repair* has been thoroughly revised to provide readers with the most up to date information in the industry. Focusing on the production and repair of circuit boards, this text begins with the basics of soldering and the requirements for a reliable solder connection. Readers are then guided through a variety of circuit board repairs, from conformal coating identification and removal to different types of track/pad repairs, burn repairs, and edge connector repairs. With safety tips and multiple opportunities for review and practice, this step by step reference book provides readers with the skills and knowledge needed to remain competitive and in accordance with international standards.

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Editorial Review

Review

1. General Soldering Information. 2. Soldering Techniques. 3. Stripping and Tinning Stranded Wires. 4. Installing and Soldering Tinned Wires. 5. Components-Through Hole Mount (THM). 6. Components-Surface Mount Technology (SMT). 7. Desoldering-THM and SMT. 8. Evaluation. 9. Conformal Coatings and Solder Masks. 10. Pad and Track Repairs. 11. Run/Track/Trace Repairs. 12. Burn Repairs. 13. Edge Connectors/Fingers. 14. Modifications. Glossary.

About the Author

H. (Ted) Smith is the Owner and Instructor of Quality Soldering Technology in Ontario, Canada. He has been certified by the Canadian military and as a Category C Instructor/Examiner by the United States Department of Defense. Mr. Smith is also certified continuously by Pace, Inc., of Annapolis Junction, Maryland, and IPC. He has provided training at numerous colleges throughout Nova Scotia, Canada, for students as well as teachers.

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