



# Printed Circuits Handbook, Seventh Edition (Electronics)

By Clyde F. Coombs, Happy Holden



**Printed Circuits Handbook, Seventh Edition (Electronics)** By Clyde F. Coombs, Happy Holden

**The world's leading guide to printed circuits—completely updated to include the latest tools, technology, and techniques**

The *de facto* industry-standard for over 30 years, this practical guide equips you with definitive coverage of every facet of printed circuit assemblies—from design methods to fabrication processes. Now thoroughly revised and updated, this book offers cutting-edge coverage of printed circuit engineering, fabrication, construction, soldering, testing, and repair.

*Printed Circuits Handbook, Seventh Edition* features all new, critical guidance on how to create, manage, and measure performance throughout the global supply chain. Written by a team of international experts from both industry and academia, this comprehensive volume offers new information on geographical specialization as well as the latest phase of the EUs Directive on the Restriction of Hazardous Substances (ROHS II).

- Fully overhauled to cover the latest scientific and technical developments
- Brand-new coverage of printed circuit supply chain technology and geographical specialization
- Complete explanations of new EU safety directives for halogen-free base materials

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### Editorial Review

#### About the Author

**Clyde Coombs** joined Hewlett-Packard in 1959, where he developed the plated-through-hole process that became the basis for printed circuit production for the next 40+ years. He is the editor of all six previous editions of the *Printed Circuits Handbook*.

**Happy Holden** is the retired director of electronics engineering and innovations at Gentex Corporation, and has worked in printed circuits in various capacities since 1970. Previously, he was the CTO for Foxconn's MIP Div (supplier of mechanical components, flexible circuits and rigid PCBs), a senior PCB technologist for Mentor Graphics' System Design Division, an advanced technology manager at Westwood Association (NanYa PCB) and Merix Corp., and he worked for Hewlett-Packard for 28 years in various engineering and marketing roles.

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**Steve Pinson:**

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