

1. Record Nr.	UNINA9910143504903321
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Titolo	EMC and the printed circuit board : design, theory, and layout made simple / / Mark I. Montrose
Pubbl/distr/stampa	New York : , : IEEE Press, , c1999 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2005]
ISBN	1-280-54203-9 9786610542031 0-471-66090-6 0-471-72310-X
Descrizione fisica	1 online resource (344 p.)
Collana	IEEE Press series on electronics technology ; ; 9
Disciplina	621.3815 621.3815/31 621.381531
Soggetti	Printed circuits - Design and construction Electromagnetic compatibility
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"IEEE Electromagnetic Compatibility Society, sponsor."
Nota di bibliografia	Includes bibliographical references (p. 287-290) and index.
Nota di contenuto	Preface. Acknowledgements. EMC Fundamentals. EMC Inside the PCB. Components and EMC. Image Planes. Bypassing and Decoupling. Transmission Lines. Signal Integrity and Crosstalk. Trace Termination. Grounding. Glossary. Bibliography. Appendix A: The Decibel. Appendix B: Fourier Analysis. Appendix C: Conversion Tables. Appendix D: International EMC Requirements. Index. About the Author.
Sommario/riassunto	This accessible, new reference work shows how and why RF energy is created within a printed circuit board and the manner in which propagation occurs. With lucid explanations, this book enables engineers to grasp both the fundamentals of EMC theory and signal integrity and the mitigation process needed to prevent an EMC event. Author Montrose also shows the relationship between time and frequency domains to help you meet mandatory compliance requirements placed on printed circuit boards. Using real-world examples the book features: Clear discussions, without complex mathematical analysis, of flux minimization concepts. Extensive

analysis of capacitor usage for various applications. Detailed examination of components characteristics with various grounding methodologies, including implementation techniques. An in-depth study of transmission line theory. A careful look at signal integrity, crosstalk, and termination.
