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	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.