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Digital Design for Interference Specifications: A Practical Handbook for EMI Suppression

David L. Terrell

Note: This is not the actual book cover

Digital Design For Interference Specifications

John R. Barnes



Digital Design For Interference Specifications:

Digital Design for Interference Specifications David Terrell,R. Kenneth Keenan,1999-12-08 Based on over twenty years of hands on experience with electromagnetic interference EMI Digital Design for Interference Specifications provides circuit designers concrete rules that can be applied immediately to the design of new digital products The authors techniques emphasize EMI source suppression at the printed circuit board level and considers shielding only as a last resort The material is written in a how to format with brief qualitative explanations of why or how design recommendations suppress emissions or reduce susceptibility The described approaches toward design and prevention of EMI will save manufacturers time product cost and enhance manufacturability Best of all designers will not have to be EMI gurus to implement these processes but they will definitely look like experts when the final outcome is assessed Digital Design for Interference Specifications is a very well written book targeted directly toward circuit designers and EMI professionals The authors built a consulting company out of the knowledge presented in the book working with a huge list of clients over the years The material is written to directly apply to circuit designers projects helping them save money and time on each design The book is heavily and clearly illustrated A practical hands on guide to EMI suppression and prevention Written by circuit designers for use by circuit designers Heavily illustrated and easy to read *Electromagnetic Compatibility Handbook* Norman Violette,2013-12-01 **Robust Electronic Design Reference Book: no special title** John R. Barnes,2004 If you design electronics for a living you need Robust Electronic Design Reference Book Written by a working engineer who has put over 115 electronic products into production at Sycor IBM and Lexmark Robust Electronic Design Reference covers all the various aspects of designing and developing electronic devices and systems that Work Are safe and reliable Can be manufactured tested repaired and serviced May be sold and used worldwide Can be adapted or enhanced to meet new and changing requirements *Design of Shielded Enclosures* Louis T. Gnecco,2000-10-24 The author provides a full range of cost options on how to prevent EMI from inexpensive enclosures that are adequate for many situations to the most advanced shielding techniques used in scientific applications This unique book will show the reader how to select the most suitable technique for the application something that will do the job yet avoid expensive and time consuming overkill Design of Shielded Enclosures provides a variety of practical techniques that will reveal how well an enclosure is working without a lot of expensive and time consuming tests This book will also show how to determine when detailed testing is necessary Get quick effective and economical solutions to pressing engineering problems that are halting delivery stopping production and costing money Learn the best tricks of the trade from a certified EMI professional with years of experience and a wealth of knowledge about practical applications Discover important testing and troubleshooting techniques for EMI shielding **Electromagnetic Compatibility** David A. Weston,2016-11-03 Revised updated and expanded Electromagnetic Compatibility Methods Analysis Circuits and Measurement Third Edition provides comprehensive practical coverage of the design problem solving and

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