

1. Record Nr.	UNINA9910583360303321
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Titolo	The Circuit designer's companion / / Peter Wilson
Pubbl/distr/stampa	Oxford, England ; ; Cambridge, Massachusetts : , : Newnes, , 2017 ©2017
ISBN	0-08-101765-0 0-08-101764-2
Edizione	[Fourth edition.]
Descrizione fisica	1 online resource (1 volume) : illustrations
Disciplina	21.3815
Soggetti	Electronic circuit design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	The fourth edition of this classic work on circuit design gives you the understanding and practical know-how to produce optimized, reliable, cost-effective electronic circuits. It bridges the gap between the theoretical learning that most university courses provide and the practical knowledge and application that comes from years of experience. Topics covered include analog and digital circuits, component types, power supplies and printed circuit board design, plus new coverage of the latest advances in electronics since the previous edition published. The Circuit Designer's Companion is ideal for Professional electronics design engineers, advanced amateur electronics designers, electronic engineering students and professors looking for a book with a real-world design outlook. Updated with new material on: Extreme Environment Design Design for Reliability Wide Band Gap Devices for Power Electronics Provides an invaluable companion for circuit designers and practicing electronics engineers that includes best practices Includes practical, real-world considerations for components, PCBs, manufacturability, reliability and cost Contains new material on design tools, high-speed circuits, variability and tolerances, noise, simulation methods and testing