

Testing Electronic Components Jestine Yong

Electronics Simplified Ian Sinclair

Electronics Simplified *Ian Sinclair*

electronics simplified third edition discusses the aims and methods of electronics with emphasis on digital electronics and software options it covers the latest developments in electronics including blu ray digital tv and radio hd and 3d tv robotic systems radar cellular phones gps and microcomputers organized into 17 chapters the book introduces the reader to every aspect of electronics from fundamentals to applications with minimal mathematics required it provides an overview of electricity waves and pulses and how a steady voltage is generated along with power alternating voltage and ac and dc transmission the information on microcomputers has been greatly expanded while information on analog fundamentals has been retained it also discusses passive components such as transformers resistors and capacitors inductors transformers resonance and diodes active components and integrated circuits particularly what a transistor is and what it does how traditional radio works elements of television including color television digital television and radio broadcasting and digital signals and digital recording finally the principles of cd recording are explained along with the basics of microprocessors calculators computers and computer peripherals this book is essential reading for hobbyists technicians professionals and students it is suitable for anyone taking a qualification course in electronics or for those who want to know more about the digital revolution explains electronics from fundamentals to applications no other book has such breadth of coverage approachable clear writing style with minimal math no previous knowledge of electronics required now fully revised and updated to include coverage of the latest developments in electronics blu ray hd 3 d tv digital tv and radio miniature computers robotic systems and more

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