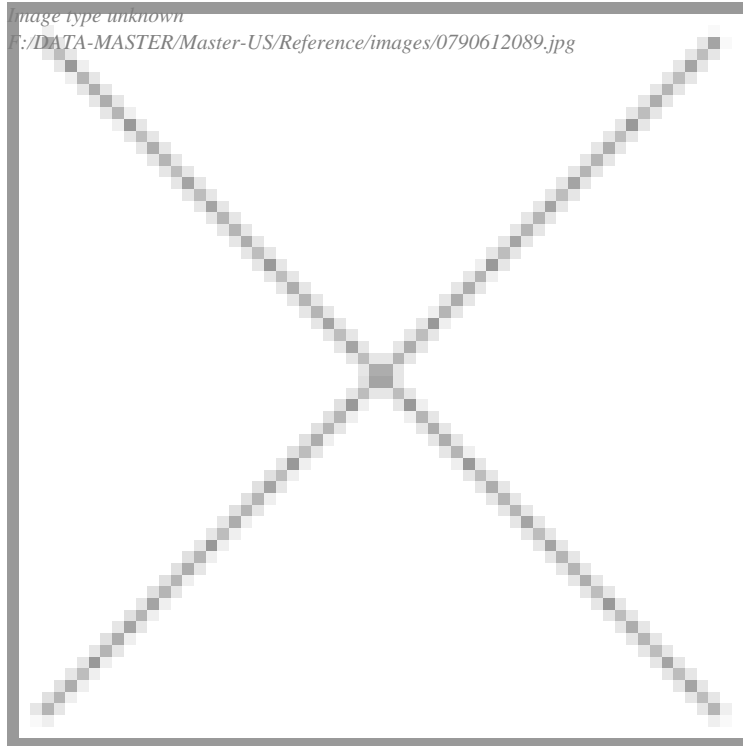


[Download free ebook] Exploring Programmable IC's

Exploring Programmable IC's

Clement Pepper

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Clement Pepper : Exploring Programmable IC's before purchasing it in order to gauge whether or not it would be worth my time, and all praised Exploring Programmable IC's:

Programmable ICs are devices designed for operation under program control from a computer or microcontroller. This book takes the reader through an introduction to the world of ICs, and explores varied programmable ICs along with selected applications with relevance to popular projects.

From the Back Cover Are you an electronics hobbyist who enjoys working with cutting-edge components? Or are you a technician wanting to learn more about advanced electronics to further your career? Either way, this book is for you! Programmable integrated circuits (ICs) are an essential part of computers and microprocessors. The problem, of course, is that the devices are designed for operation under program control. But no longer. With Exploring Programmable ICs, you'll learn how to bypass this software constraint and operate ICs directly with hardware circuitry on your bench top. In this comprehensive book you'll find-in practical, well-explained detail-complete operating setups for a variety of programmable devices ranging from D-A converters to interval timers, universal asynchronous receiver/transmitters (UARTs), peripheral interface adapters (PIAs), and more. Exploring Programmable ICs boasts more than 350 pages packed with: * State-of-the-art circuit schematics * Truth tables and performance data *

Explanation of timing requirements Yet this is more than just a collection of schematics; this is the electronics hobbyist's and technician's dream. Clement S. Pepper's teaching acumen and industry expertise illuminate these challenging tasks for project builders and experimenters. Pepper keeps the highbrow theories and mathematical formulas to a minimum, focusing instead on practical testing strategies for the real world. Clement S. Pepper has more than 30 years of experience in electronics RD, working as an electrical drafter, a design engineer, and in other capacities before becoming the manager of engineering and manufacturing for Intelcom Rad Tech. He holds a bachelor's degree in physics with a concentration in electronics from San Diego State University. Over the years, Pepper has written numerous articles for hobby electronics and computer magazines, and he has authored three books, including *The Digital IC Gallery* from PROMPT(r).