

Advanced Fpga Design

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Advanced FPGA design: Architecture, Implementation, and Optimization/ by Steve Kilts. p. cm. Includes index. ISBN 978-0-470-05437-6 (cloth) 1. Field programmable gate arrays--Design and construction. I. Title. TK7895.G36K55 2007 621.3905--dc22 2006033573 Printed in the United States of America 10 98 76 54 3 21

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A practical FPGA reference that's like an on-call mentor for engineers and computer scientists Addressing advanced issues of FPGA (Field-Programmable Gate Array) design and implementation, Advanced FPGA Design: Architecture, Implementation, and Optimization accelerates the learning process for engineers and computer scientists.

Advanced FPGA Design : Steve Kilts : 9780470054376

The size and complexity of FPGAs today make almost every design an 'advanced' one, and this book helps guide the occasional designer through the tricky parts. Clock domain crossing, optimizing performance vs area, resets, design partitioning and floorplanning tricks and traps, simulation, PCB layout and decoupling, the works.