1. Record Nr. UNINA9910809174903321 Autore Rushton Andrew Titolo VHDL for logic synthesis / / Andrew Rushton Chichester, West Sussex, U.K., : Wiley, 2011 Pubbl/distr/stampa **ISBN** 9786613373892 9781119995739 1119995736 9780470977972 0470977973 9781283373890 1283373890 9780470977927 0470977922 9781119995852 111999585X Edizione [3rd ed.] Descrizione fisica 1 online resource (486 p.) COM059000 Classificazione Disciplina 621.39/5 Soggetti VHDL (Computer hardware description language) Logic design - Data processing Computer-aided design Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto VHDL FOR LOGIC SYNTHESIS; Contents; Preface; List of Figures; List of Tables: 1 Introduction: 1.1 The VHDL Design Cycle: 1.2 The Origins of

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Sommario/riassunto

Making VHDL a simple and easy-to-use hardware description language Many engineers encountering VHDL (very high speed integrated circuits hardware description language) for the first time can feel overwhelmed by it. This book bridges the gap between the VHDL language and the hardware that results from logic synthesis with clear organisation, progressing from the basics of combinational logic, types, and operators; through special structures such as tristate buses, register banks and memories, to advanced themes such as developing your own packages, writing test benches and using the