

Digital Integrated Circuits Design Perspective Solution Manual

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Digital Integrated Circuits Design Perspective

An application-specific integrated circuit (ASIC / ' eɪ s ɪ k /) is an integrated circuit (IC) customized for a particular use, rather than intended for general-purpose use. For example, a chip designed to run in a digital voice recorder or a high-efficiency bitcoin miner is an ASIC. Application-specific standard products (ASSPs) are intermediate between ASICs and industry standard ...

Application-specific integrated circuit - Wikipedia

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Very Large Scale Integration - Wikipedia

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Section 2.2 Manufacturing CMOS Integrated Circuits 35 shown in Figure 2.1 features ann-well CMOS process, where the NMOS transistors are implemented in thep-doped substrate, and the PMOS devices are located in the n-well. Increasingly, modern processes are using adual-well approach that uses bothn- and p- wells, grown on top on a epitaxial layer, as shown in Figure 2.2.

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