

digital integrated circuits rabaey pdf

An integrated circuit or monolithic integrated circuit (also referred to as an IC, a chip, or a microchip) is a set of electronic circuits on one small flat piece (or "chip") of semiconductor material, normally silicon.

Integrated circuit - Wikipedia

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A latch-up is a type of short circuit which can occur in an integrated circuit (IC). More specifically it is the inadvertent creation of a low-impedance path between the power supply rails of a MOSFET circuit, triggering a parasitic structure which disrupts proper functioning of the part, possibly even leading to its destruction due to overcurrent.

Latch-up - Wikipedia

The first monolithic integrated circuits; Who invented the IC? Baker, R. J. CMOS: Circuit Design, Layout, and Simulation, Third Edition. Wiley-IEEE. 2010.

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