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often silicon that contains electronic circuits laid down or grown to do computation or other tasks web an integrated circuit ic sometimes called a chip microchip or microelectronic circuit is a semiconductor wafer on which thousands or millions of tiny resistors capacitors diodes and transistors are fabricated an ic can function as an amplifier oscillator timer counter logic gate computer memory microcontroller or microprocessor web jun 13 2020 integrated circuits have become an essential tool for electrical engineers working with applications as diverse as consumer electronics aerospace systems and medical equipment in the rest of this chapter we will explore the functionality provided by different categories of ics web oct 26 2023 integrated circuits ics often referred to as chips or microchips play a pivotal role in modern electronics they have revolutionized technology and have dramatically increased the speed and efficiency of electronic devices what are

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