

interconnected electronic components such as transistors resistors and capacitors these components are etched onto a small piece of semiconductor material usually silicon

integrated circuits are compact electronic chips made up of interconnected components that include resistors transistors and capacitors built on a single piece of semiconductor material such as silicon integrated circuits can contain collections of hundreds to billions of components all working together to

integrated circuit

integrated circuit ic an assembly of electronic components fabricated as a single unit in which miniaturized active devices e g transistors and diodes and passive devices e g capacitors and resistors and their interconnections are built up on a thin substrate of semiconductor material typically silicon

integrated circuits are the basis of so much of modern technology and here at nature electronics we aim to also consider the wider social ethical and legal issues that surround the

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Jan 16 2024

integrated circuit ic is a small electronic device made up of multiple interconnected electronic components such as transistors resistors and capacitors these components are etched onto a small piece of semiconductor material usually silicon

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an integrated circuit ic also known as a microchip computer chip or simply chip is a small electronic device made up of multiple interconnected electronic components such as transistors resistors and capacitors these components are etched onto a small piece of semiconductor material usually silicon

integrated circuit ic types uses function britannica

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