

Integrated Circuits

Integrated circuits, also known as microchips or ICs, are miniaturized electronic circuits manufactured on a semiconductor material. They contain numerous interconnected components such as transistors, resistors, and capacitors, performing various functions in electronic devices.



Overview

Integrated Circuits Overview

Integrated circuits, often referred to as microchips or ICs, are essential miniaturized electronic components manufactured on semiconductor materials. These devices integrate numerous interconnected components, including transistors, resistors, and capacitors, into a single unit to perform complex functions. They serve as the foundational building blocks for digital logic circuits, memory modules, microprocessors, and various analog systems, enabling modern electronics to achieve high levels of efficiency and compact design.

Technical Details

Common Applications

- Digital logic circuits
- Memory storage
- Microprocessing
- Analog signal processing

Component Markings

HC5951G, SN74HC595N, 90015016

Country of Origin

Malaysia