

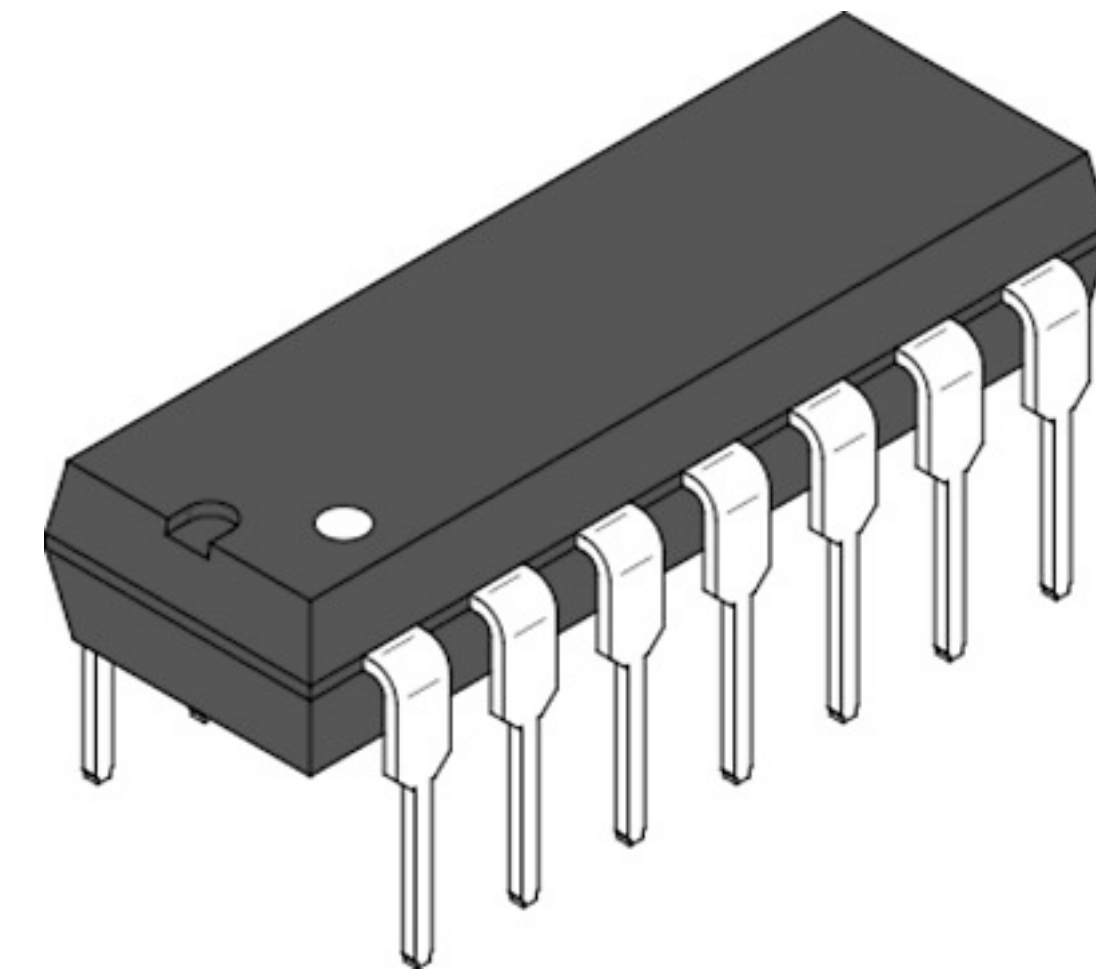
The electronics of Computers

Integrated circuits, transistors and microprocessors

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Integrated circuits

An integrated circuit is an electronic component which contains millions or billions of interconnected microelectronic devices.



Making Integrated Circuits

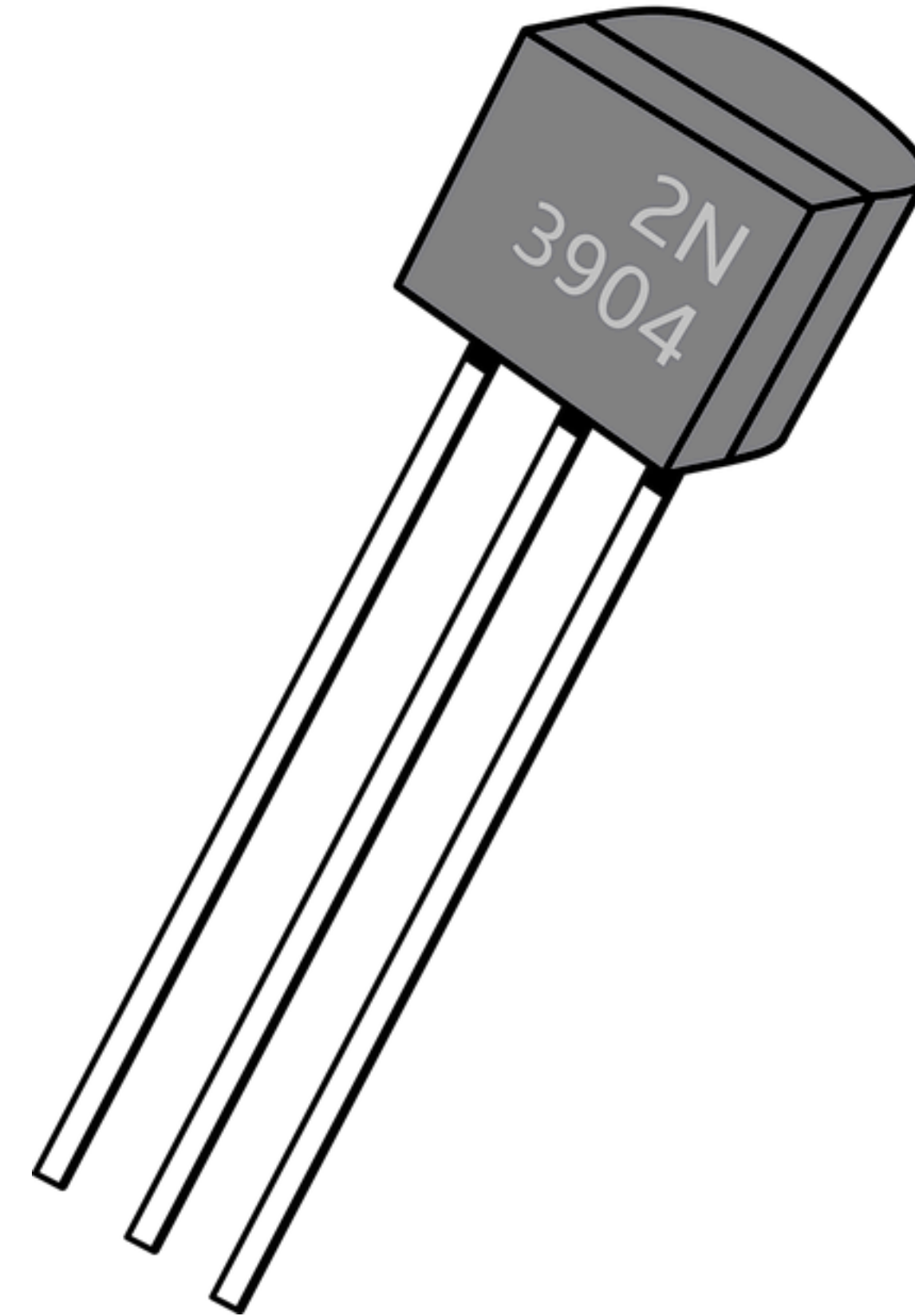
The process of making integrated circuits consists of a process called **doping**.

We can distinguish two main types of integrated circuits:

- **Monolithic circuits**
- **Hybrid circuits**

Transistors

Transistors are miniature components made of **silicon**, a semiconductor treated with a process called **doping**.



Microprocessors

Microprocessors are integrated circuits of **billions** of transistors.



Thank you.