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A transistor is a semiconductor device used to amplify or switch electronic signals and electrical power. It is composed of semiconductor material usually with at least three terminals for connection to an external circuit. A voltage or current applied to one pair of the transistor's terminals controls the current through another pair of terminals. Because the controlled (output) power can be ...

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Large scale integrated circuits generally mean semiconductor integrated circuits (IC) with 1000 or more elements. They are also called LSIs (Large Scale Integrated circuit). A microcontroller realizes functions of a computer using LSIs.

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