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8051 chips are used in a wide variety of control systems, telecom applications, robotics as well as in the automotive industry. By some estimations, 8051 family chips make up over 50% of the embedded chip market.

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Micrcontrollers normally used to design embedded systems are Arduino, PIC Microcontroller, Atmel Micrcontroller, 8051 Microcontroller etc. A general purpose computer such as Pentium PC is not an embedded system as it does not perform only specific functions. It can be used for a number of applications.

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