Sequência de Inicialização do AVR

Power-on reset

Power-up and Reset

A microcontroller may reset due to the following sources:
1. Power-on reset.
2. Brown-out reset.
3. Watchdog timer reset.
4. External reset pin.
5. Pseudo-reset generated by software.
6. Pseudo-reset caused by software error.

In the next sections, we will explain about these reset sources in further detail. Even though most of the information on this cheat sheet is applicable to any AVR device, quantitative values (such as voltage levels, timing delays, fuse configuration, etc) were based on the ATmega328 microcontroller. It is advisable to check the datasheet of your device and adapt the information as possible.

Note: The term "*pseudo-reset*" is not used at the literature, but as shown later, this distinction is useful and has a logical reason to be made.

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