LED Blinking

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## # **LED Blinking Hardware**

The LED circuit is effectively **four LEDs** that are independently controlled using **four different GPIO pins** of the ATMEGA328P.

<h7><b>Figure X.</b> LED Blinking Circuit </h7>

These LEDs are cycled on and off using a blink program providing a trivial aesthetic effect, but its primary purpose is a **functional verfication** of ATMEGA328P. Using a visual indictator allows us to determine if the MCU is bootloaded, which is a necessary step when working with a **brand-new chip**.