GPIO

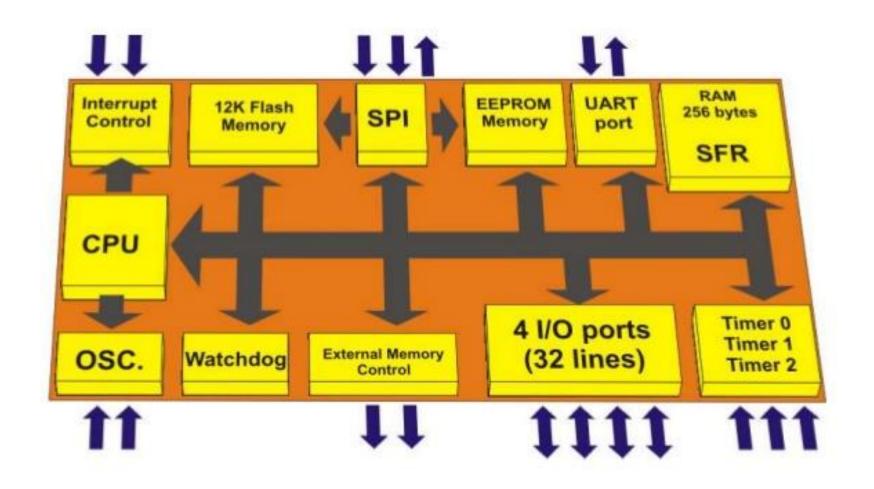
μC-Programmierung

Author: Martin Brazda

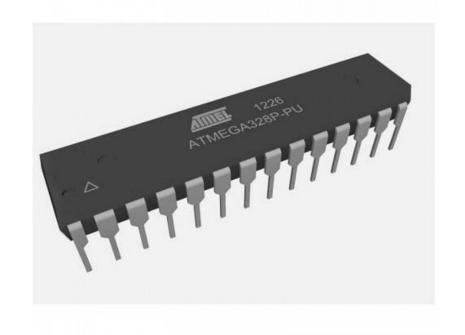
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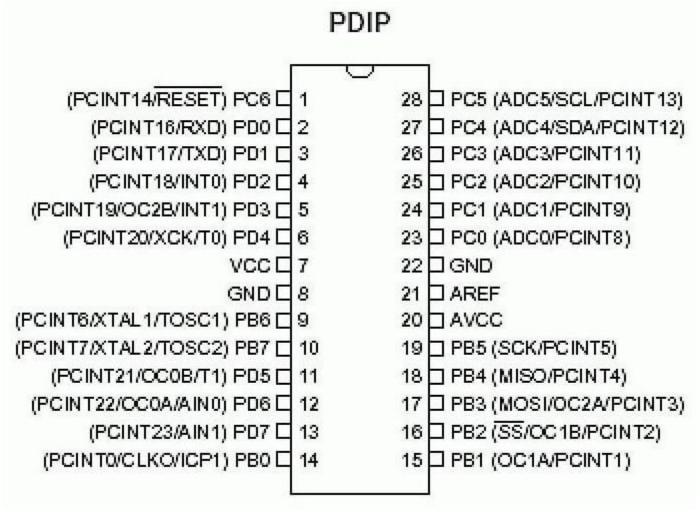


Microcontroller Architecture

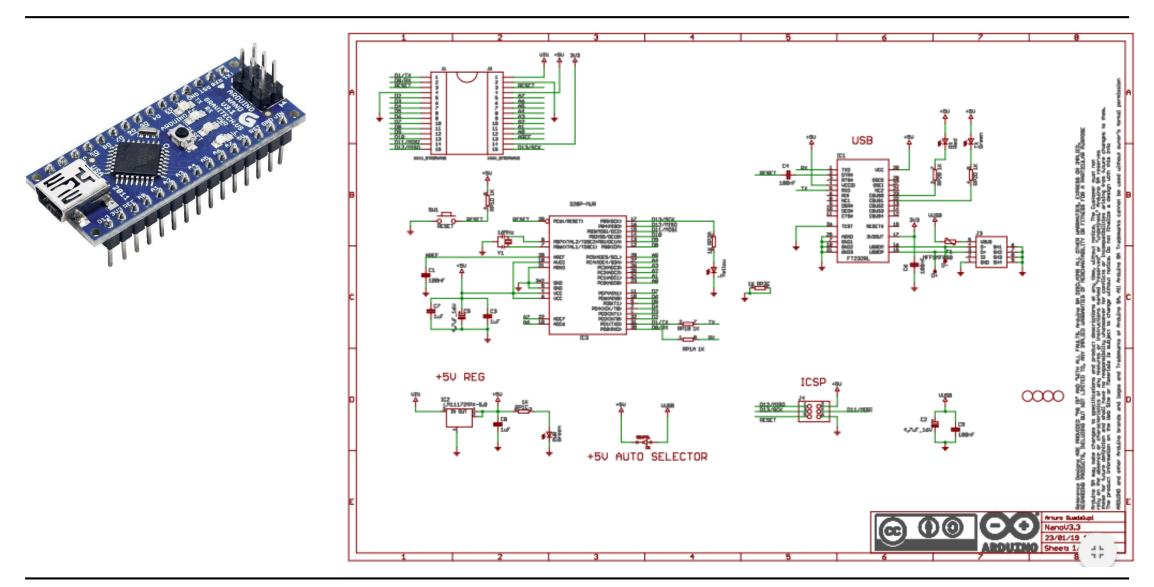


ATMEGA328-PU

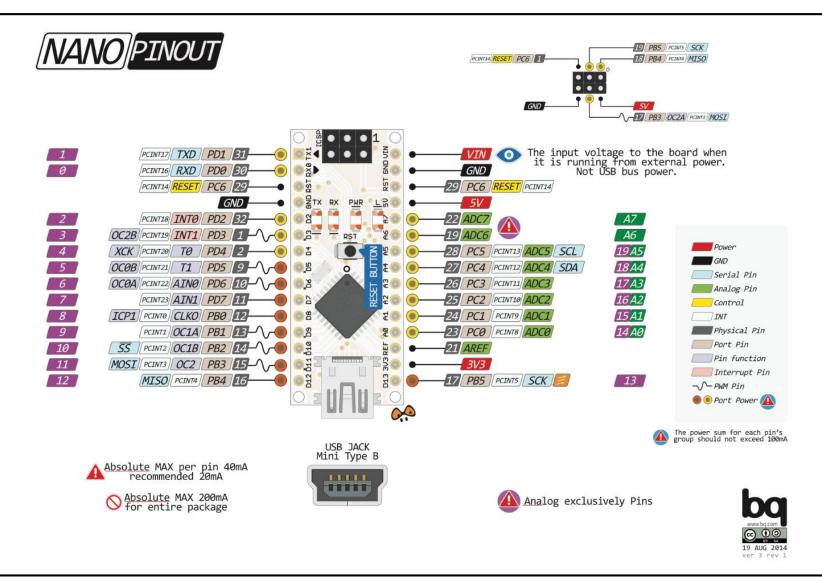




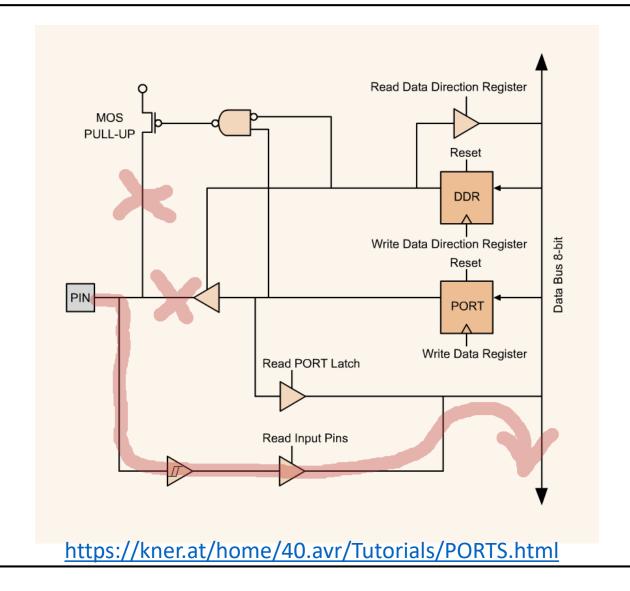
Arduino Nano Schematics



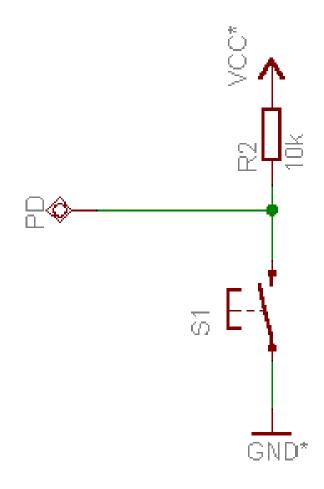
Arduino Nano



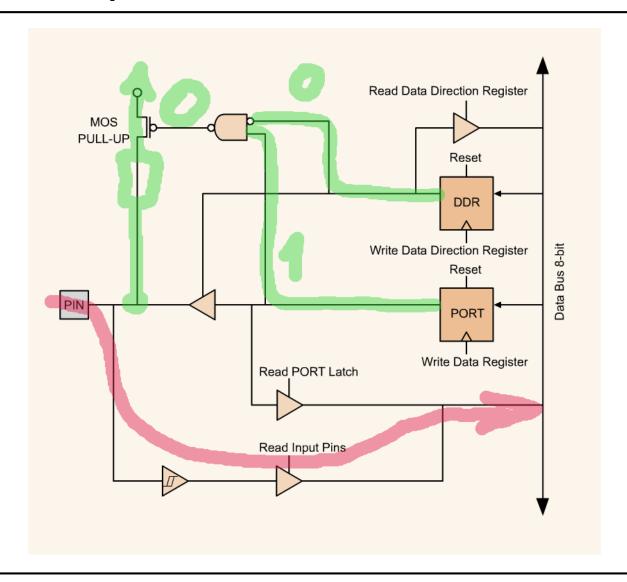
GPIO - Input



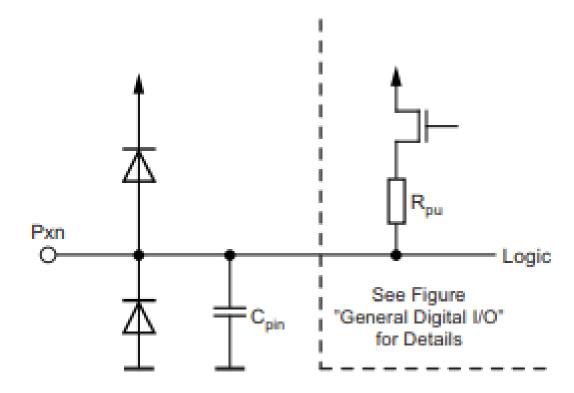
Pull-up/pull-down - Wiederstände



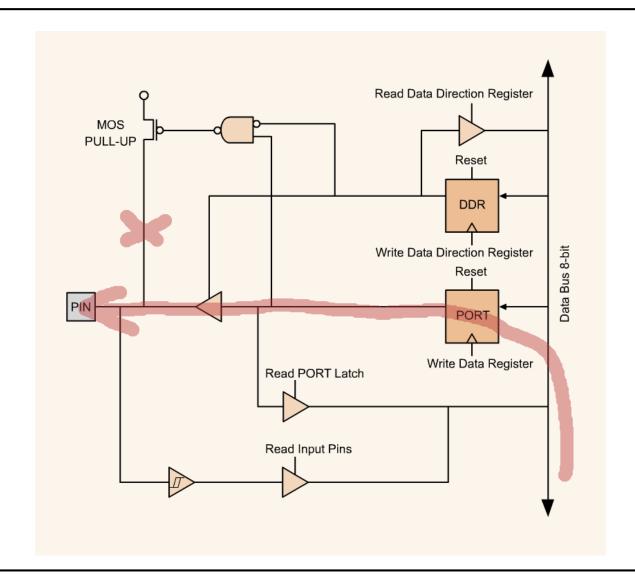
GPIO – Input Pullup



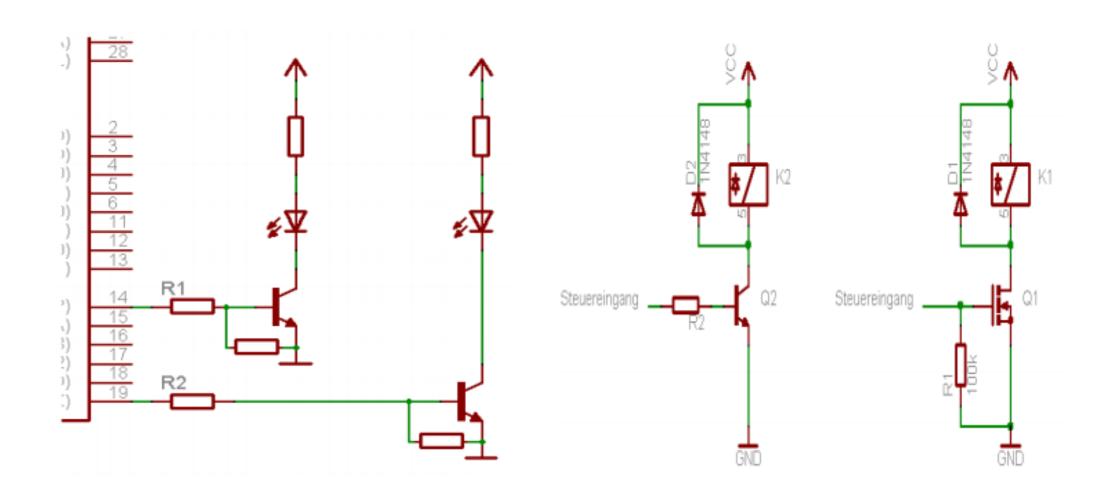
GPIO - Schutzbeschaltung



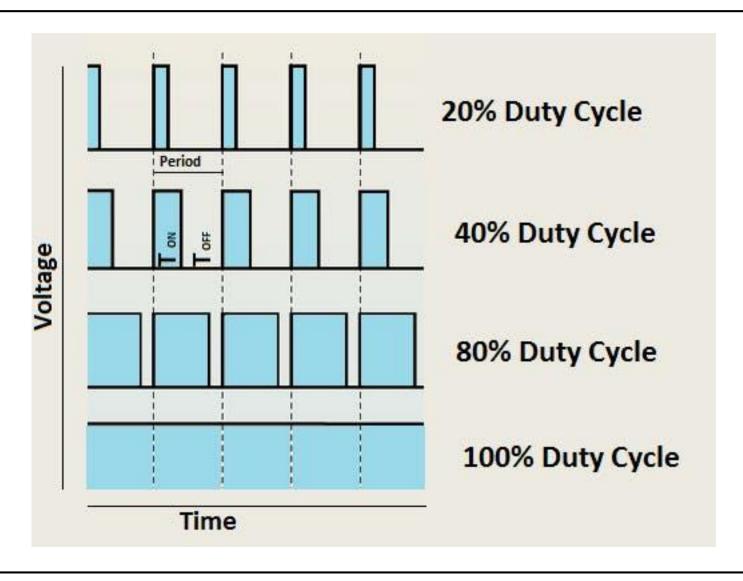
GPIO - Output



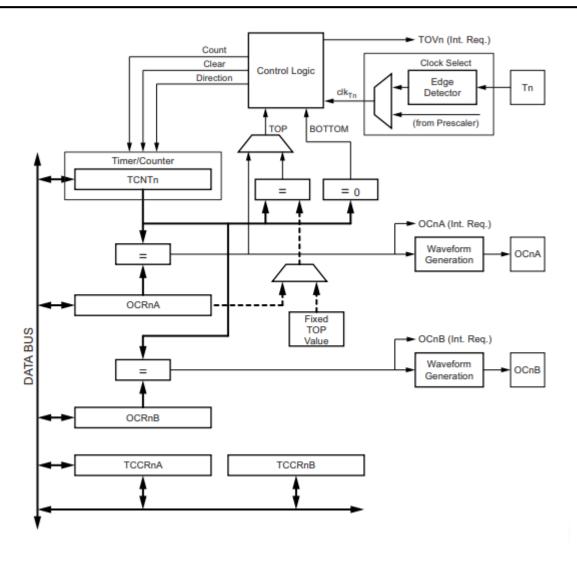
GPIO - Output



Pulsweitenmodulation (PWM)



Timer



PWM

