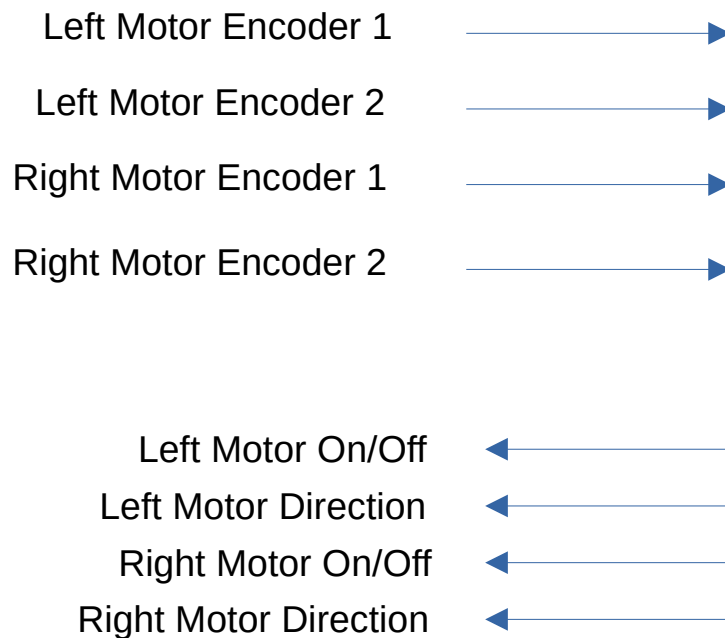
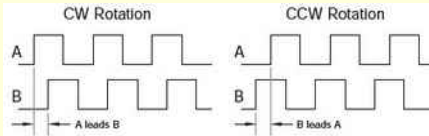
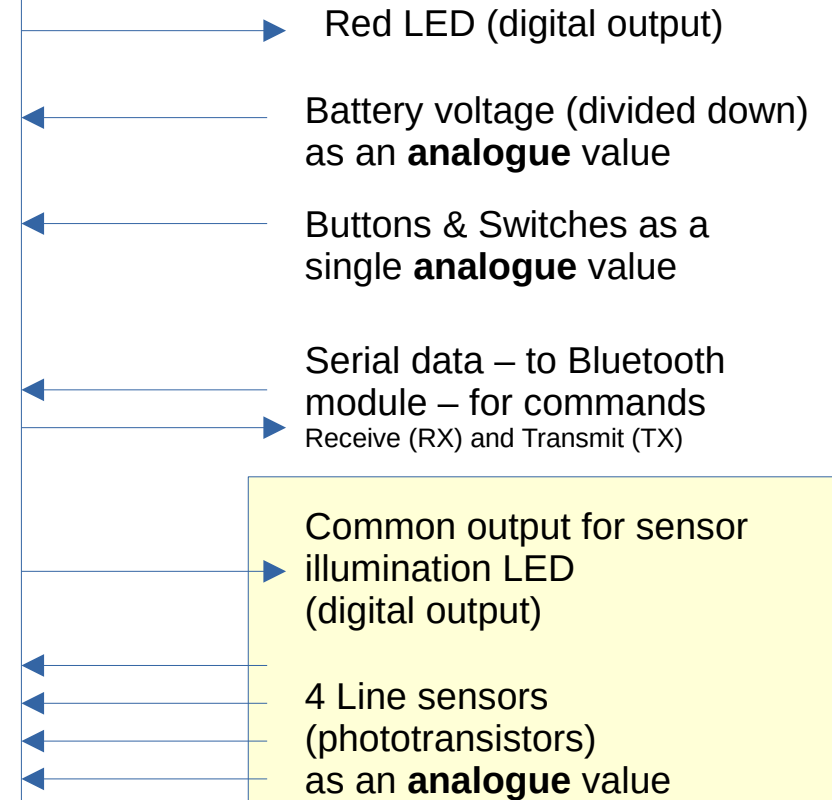


Drag Race Robot - Inputs and Outputs

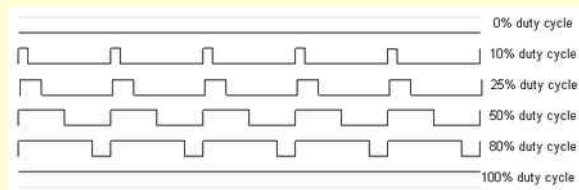
Motor encoder inputs are all digital (on/off) – and we get an interrupt when we get a light-to-dark or dark-to-light transition. Internally they work by bouncing an infra-red light off the fins of the encoder.



Arduino Nano
Microcontroller
ATMEGA328P



Motor Drive Outputs are all digital – however we pulse-width modulate (PWM) the motor on/off to get different voltage levels into the motor



On line sensor board