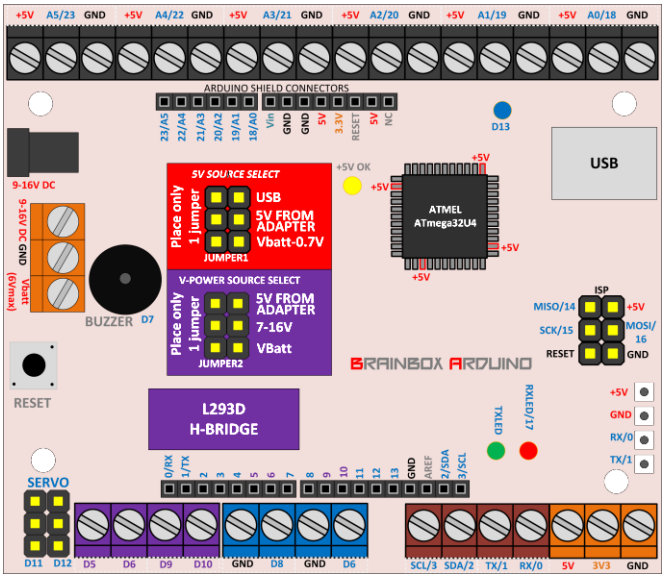
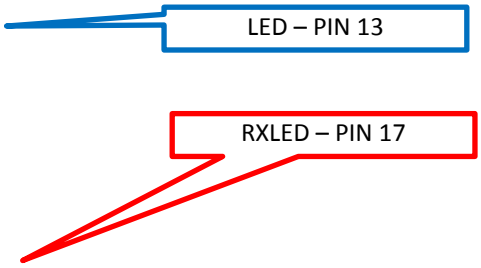
O-2 LEDS – 2 LEDS, PERMANENTLY CONNECTED TO THE MICROCONTROLLER

Required knowledge Binary, Decimal, Hexadecimal up to 8 bit; Led

JUST Google It!	**led, how leds work, diode** **binary, hexadecimal, decimal, numeral system**



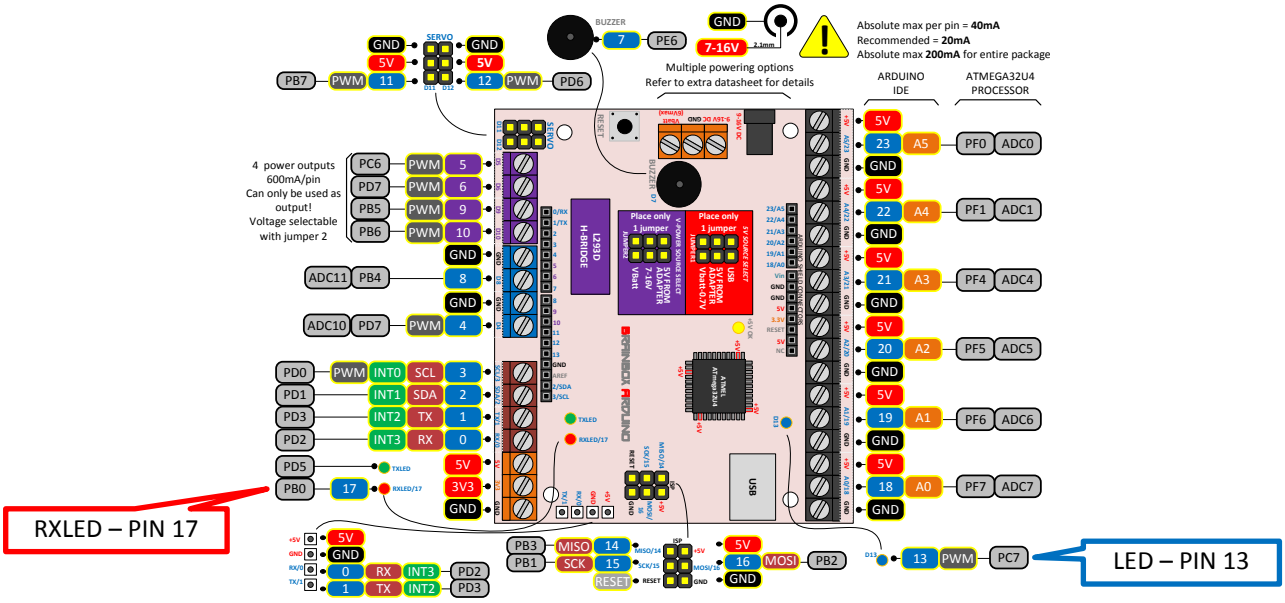


The LED at **(ARDUINO IDE: D13) (AVR:PC7)** and the RXLED at **(ARDUINO: D17) (AVR: PB0)** are permanently connected to the microcontroller.

We can use these led's to take our first programming steps and we can use them later on to debug more complex programs.

With the used resistor of 1K, the current trough the led's is limited to less than 4mA.

These pins can also be used for other purposes – tough the Arduino shield connectors – as well input or as output, but bear in mind that these led's will always be connected.



CODE EXAMPLE: **'O-2LED'**