

The diagram illustrates the ATMEGA328P microcontroller pinout. The chip is labeled "ATMEGA328P". The pins are organized into several functional groups:

- AUDIO:** DP3, DP2
- COLOR SENSOR:** AP3, AP4, -, +
- PIR SENSOR:** DP13, -, +
- DC MOTOR:** DP12, DP11, D10, DP9
- ULTRASONIC:** +, -, DP2, DP3
- BUTTON:** A3, +, -
- CRYSTAL:** Two pins for the crystal oscillator.
- 5V REGULATOR:** A 5V pin and a ground pin.

The pins are numbered 1 through 40, with 1 being the top-left pin and 40 being the bottom-right pin.

# SUPPLY