



External Pins (Some pins can suit a variety of functions).

- Pins 0-22 Digital I/O only (2,3,6,7,8,9 in use for on-board functions)
- Pins 0,1 Serial UART : Pin 0 - TX Pin 1 - RX
- Pins 4,5 I²C : Pin 4 - SDA Pin 5 - SCL
- Pin 10,11 Suitable for an ultrasonic sensor or general I/O use.
- Pins 12-19 are suitable for servos and have 5v Power Available.
- Pins 14-17 are also available on the back for connection to a dual H-Bridge for DC motors or Bipolar/Unipolar Stepper Motor driver
- Pins 16-19 SPI Pin 16 - SPI MISO Pin 17 - SPI SS Pin 18 - SPI Clock Pin 19 - SPI MOSI
- Pins 20-22 Digital I/O with 3.3v Power Supply
- Pins 26-28 Analog or digital inputs with 3.3v Power Supply

Internal Pins

- Pin 23 - (digital output) turn on for better voltage regulation (uses a bit more power)
- Pin 24 - (digital input) detects USB connected
- Pin 25 - (digital output) user LED
- Pin 29 - (analog input) temperature sensor

On-board components

- Pin 2 and Pin 3 - On-board LEDs
- Pin 6,7,8,9 - Tactile Switches
- I²C OLED Display connected to Pin 4 - SDA Pin 5 - SCL and running from 3.3v