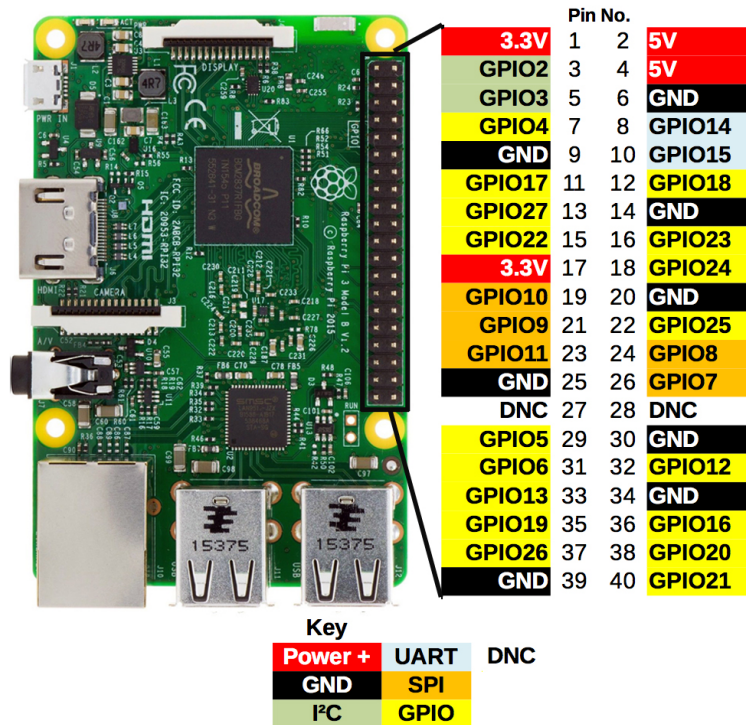


# DogeBoard

## Ports



- CAN: SP0 (CAN)
  - 5V
  - 3.3V
  - GND
  - MOSI: GPIO 10
  - MISO: GPIO 9
  - SCLK: GPIO 11
  - CS0: GPIO 8
  - CS1: GPIO 7
- I2C: GPIO 2 & 3
  - 3.3V

- GND
- SDA: GPIO 2
- SCL: GPIO 3
- RSL: 1 1 GPIO pin :: Vbatt - current limited to ~120 mA
- PWR LED: 0 GPIO pin :: .04 A MAX
- COMM LED: 2 GPIO pin (red / green LED) :: .04 A MAX
- PWM: GPIO 12 & 13 :: 2A x 2 MAX
  - 5V
  - GND
  - Channel 0: GPIO 12
  - Channel 1: GPIO 13
- Analog Inputs: 4 channels
  - ~CS: 1 GPIO pin
  - SCLK: 1 GPIO pin
  - DOUT (digital out): 1 GPIO pin
  - DIN (digital in): 1 GPIO pin
- Digital IO: 8 GPIO pins :: UNKNOWN CURRENT
- NAVX2 - USB-A :: 5V - 50mA

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## Composants externes

- Interface SPI -> CAN
  - MCP2515: <https://www.microchip.com/wwwproducts/en/en010406>
- ADC
  - ADC124S051: <https://www.ti.com/lit/ds/symlink/adc124s051.pdf?HQS=dis-mous-null-mousermode-dsf-pf-null-ww&ts=1620004572548>