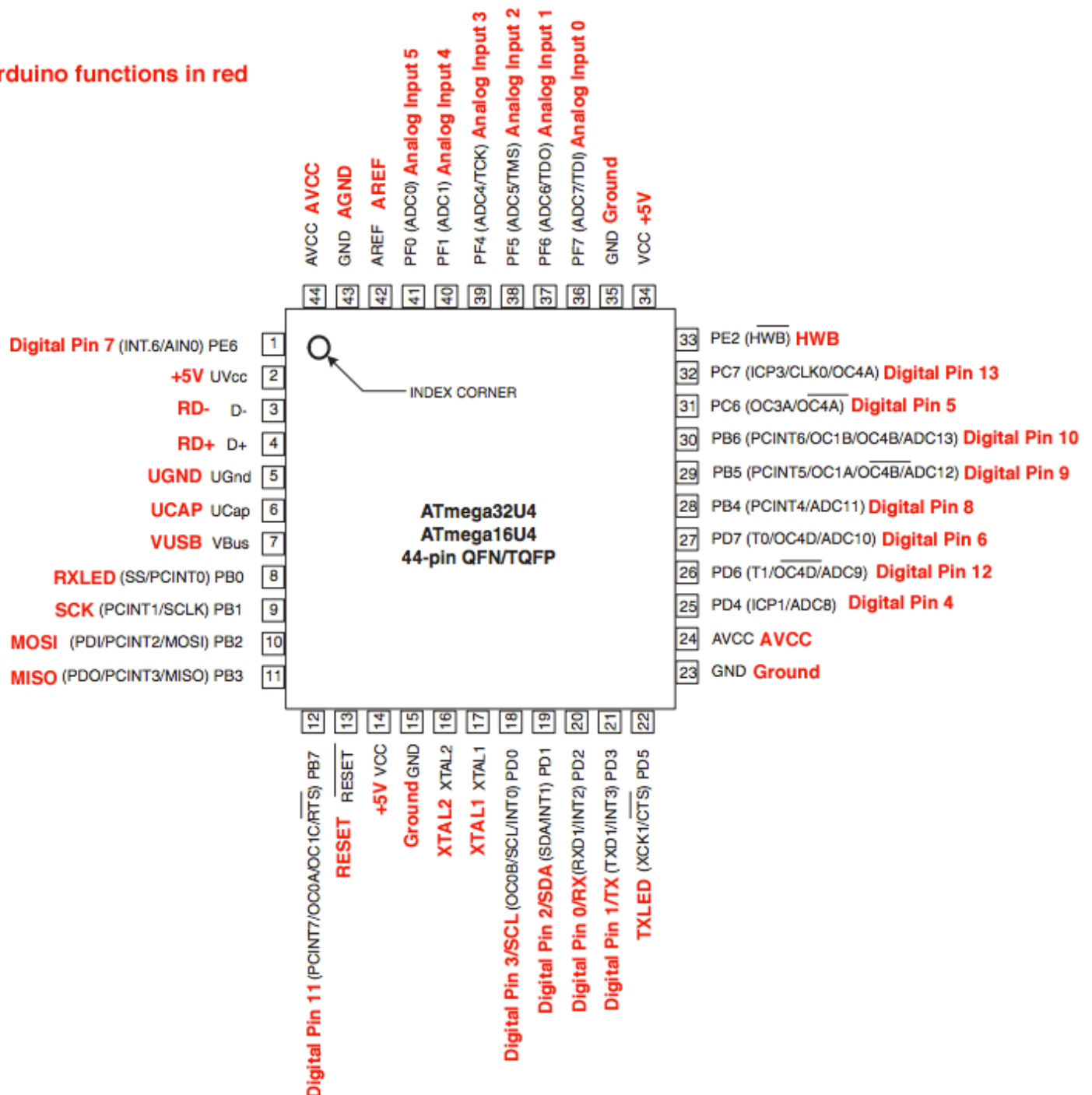


# ATmega 32U4-Arduino Pin Mapping

Arduino functions in red



Arduino Leonardo pin mapping table

| Pin Number | Pin Name         | Mapped Pin Name |
|------------|------------------|-----------------|
| 1          | PE6 (INT.6/AIN0) | Digital pin 7   |
| 2          | UVcc             | +5V             |
| 3          | D-               | RD-             |

|    |                               |                          |
|----|-------------------------------|--------------------------|
| 4  | D+                            | RD+                      |
| 5  | UGnd                          | UGND                     |
| 6  | UCap                          | UCAP                     |
| 7  | VUSB                          | VBus                     |
| 8  | SIGN IN (SS/PCINT0) PB0       | RESET                    |
| 9  | (PCINT1/SCLK) PB1             | SCK                      |
| 10 | (PDI/PCINT2/MOSI) PB2         | MOSI                     |
| 11 | (PDO/PCINT3/MISO) PB3         | MISO                     |
| 12 | (PCINT7/OC0A/OC1C/#RTS) PB7   | Digital pin 11 (PWM)     |
| 13 | RESET                         | RESET                    |
| 14 | Vcc                           | +5V                      |
| 15 | GND                           | GND                      |
| 16 | XTAL2                         | XTAL2                    |
| 17 | XTAL1                         | XTAL1                    |
| 18 | (OC0B/SCL/INT0) PD0           | Digital pin 3 (SCL)(PWM) |
| 19 | (SDA/INT1) PD1                | Digital pin 2 (SDA)      |
| 20 | (RX D1/AIN1/INT2) PD2         | Digital pin 0 (RX)       |
| 21 | (TXD1/INT3) PD3               | Digital pin 1 (TX)       |
| 22 | (XCK1/#CTS) PD5               | TXLED                    |
| 23 | GND1                          | GND                      |
| 24 | AVCC                          | AVCC                     |
| 25 | (ICP1/ADC8) PD4               | Digital pin 4            |
| 26 | (T1/#OC4D/ADC9) PD6           | Digital pin 12           |
| 27 | (T0/OC4D/ADC10) PD7           | Digital Pin 6 (PWM)      |
| 28 | (ADC11/PCINT4) PB4            | Digital pin 8            |
| 29 | (PCINT5/OC1A/#OC4B/ADC12) PB5 | Digital Pin 9 (PWM)      |
| 30 | (PCINT6/OC1B/OC4B/ADC13) PB6  | Digital Pin 10 (PWM)     |
| 31 | (OC3A/#OC4A) PC6              | Digital Pin 5 (PWM)      |
| 32 | (ICP3/CLK0/OC4A) PC7          | Digital Pin 13 (PWM)     |
| 33 | (#HWB) PE2                    | HWB                      |
| 34 | Vcc1                          | +5V                      |
| 35 | GND2                          | GND                      |
| 36 | (ADC7/TDI) PF7                | Analog In 0              |
| 37 | (ADC6/TDO) PF6                | Analog In 1              |
| 38 | (ADC5/TMS) PF5                | Analog In 2              |
| 39 | (ADC4/TCK) PF4                | Analog In 3              |
| 40 | (ADC1) PF1                    | Analog In 4              |
| 41 | (ADC0) PFO                    | Analog In 5              |
| 42 | AREF                          | AEF                      |
| 43 | GND3                          | GND                      |
| 44 | AVCC1                         | AVCC                     |

(<https://www.arduino.cc>).

[SIGN IN \(\)](#)   [HOME \(//WWW.ARDUINO.CC\)](#)   [STORE \(//STORE.ARDUI](#)

## NEWSLETTER

ENTER YOUR EMAIL TO SIGN UP

SUBSCRIBE

Terms Of Service ([//www.arduino.cc/en/Main/TermsOfService](http://www.arduino.cc/en/Main/TermsOfService))

Privacy Policy ([//www.arduino.cc/en/Main/PrivacyPolicy](http://www.arduino.cc/en/Main/PrivacyPolicy))

Contact Us ([//www.arduino.cc/en/Main/ContactUs](http://www.arduino.cc/en/Main/ContactUs))

About Us ([//www.arduino.cc/en/Main/AboutUs](http://www.arduino.cc/en/Main/AboutUs))

Distributors ([//store.arduino.cc/distributors](https://store.arduino.cc/distributors))

Careers ([//www.arduino.cc/Careers](http://www.arduino.cc/Careers))

Security ([//www.arduino.cc/en/Main/Security](http://www.arduino.cc/en/Main/Security))

© 2018 Arduino ([//www.arduino.cc/en/Main/CopyrightNotice](http://www.arduino.cc/en/Main/CopyrightNotice))

[illegible]