

⚠ Absolute MAX per pin 40mA
recommended 20mA

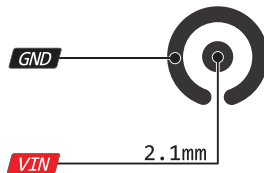
⊘ Absolute MAX 200mA
for entire package

When I/O Level is 3.3V

⚠ Absolute MAX per pin 20mA
recommended 10mA

⊘ Absolute MAX 200mA
for entire package

7V → 12V
Depending on current drawn



USB JACK
Micro Type B

ON/OFF Switch

RESET BUTTON

Provides a logic reference **IOREF**
voltage for shields that use it.
It is connected to the 5V bus.

NC
IOREF
PCINT14 **RESET** PC6 1
3V3
5V
GND
GND
VIN

I/O Level
Selection

USB Boot
Enable

14 A0
15 A1
16 A2
17 A3
18 A4
19 A5

PCINT8 **ADC0** PC0 23
PCINT9 **ADC1** PC1 24
PCINT10 **ADC2** PC2 25
PCINT11 **ADC3** PC3 26
SDA PCINT12 **ADC4** PC4 27
SCL PCINT13 **ADC5** PC5 28

A0
A1
A2
A3
A4
A5

The output from 3.3V Regulator
Absolute MAX 150mA **3V3**

The input voltage to the board when
it is running from external power.
Not USB bus power. **VIN**

- Arduino IDE
- Power
- GND
- Serial Pin
- Analog Pin
- Control
- INT
- Physical Pin
- Port Pin
- Pin function
- Interrupt Pin
- PWM Pin
- Port Power

⚠ The power sum for each pin's
group should not exceed 100mA

28 PC5 **ADC5** PCINT13 **SCL** 19 A5
27 PC4 **ADC4** PCINT12 **SDA** 18 A4
21 **AREF**
GND
13 PB5 PCINT5 **SCK** 13
18 PB4 PCINT4 **MISO** 12
17 PB3 **OC2A** PCINT3 **MOSI** 11
16 PB2 **OC1B** PCINT2 **SS** 10
15 PB1 **OC1A** PCINT1 9
14 PB0 **CLKO** PCINT0 **ICP1** 8
13 PD7 **AIN1** PCINT23 7
12 PD6 **AIN0** PCINT22 **OC0A** 6
11 PD5 **T1** PCINT21 **OC0B** 5
6 PD4 **T0** PCINT20 **XCK** 4
5 PD3 **INT1** PCINT19 **OC2B** 3
4 PD2 **INT0** PCINT18 2
3 PD1 **TXD** PCINT17 1
2 PD0 **RXD** PCINT16 0 Serial

Connected to the ATmega and used for
USB program and communicating with it

