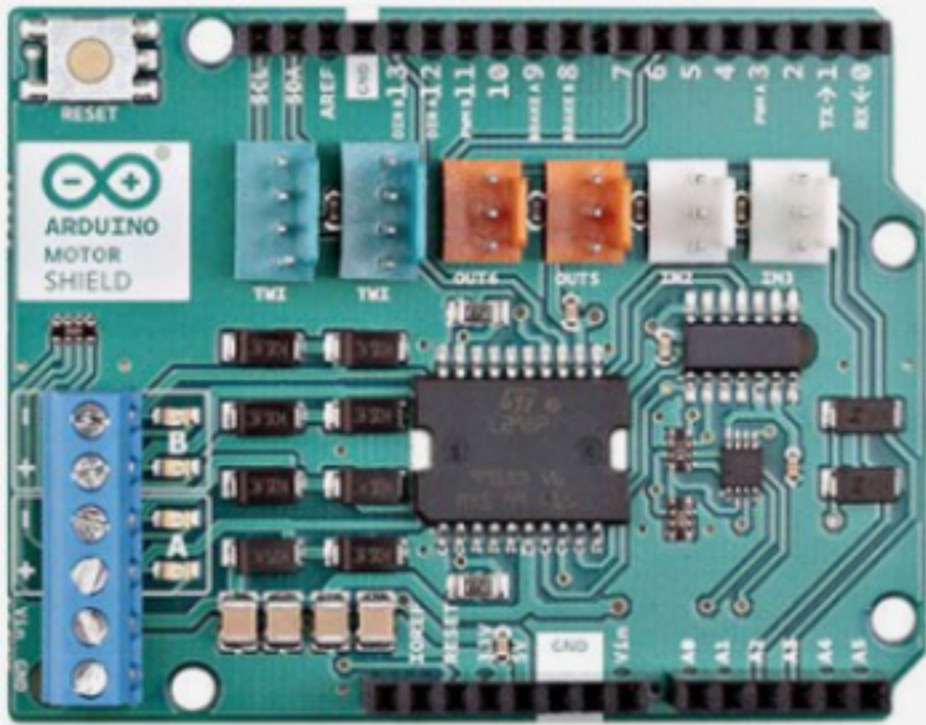


ARDUINO MOTOR SHIELD REV3

Code: A000079

Barcode: 7630049200371



The Arduino Motor Shield allows your arduino to drive DC and stepper motors, relays and solenoids.

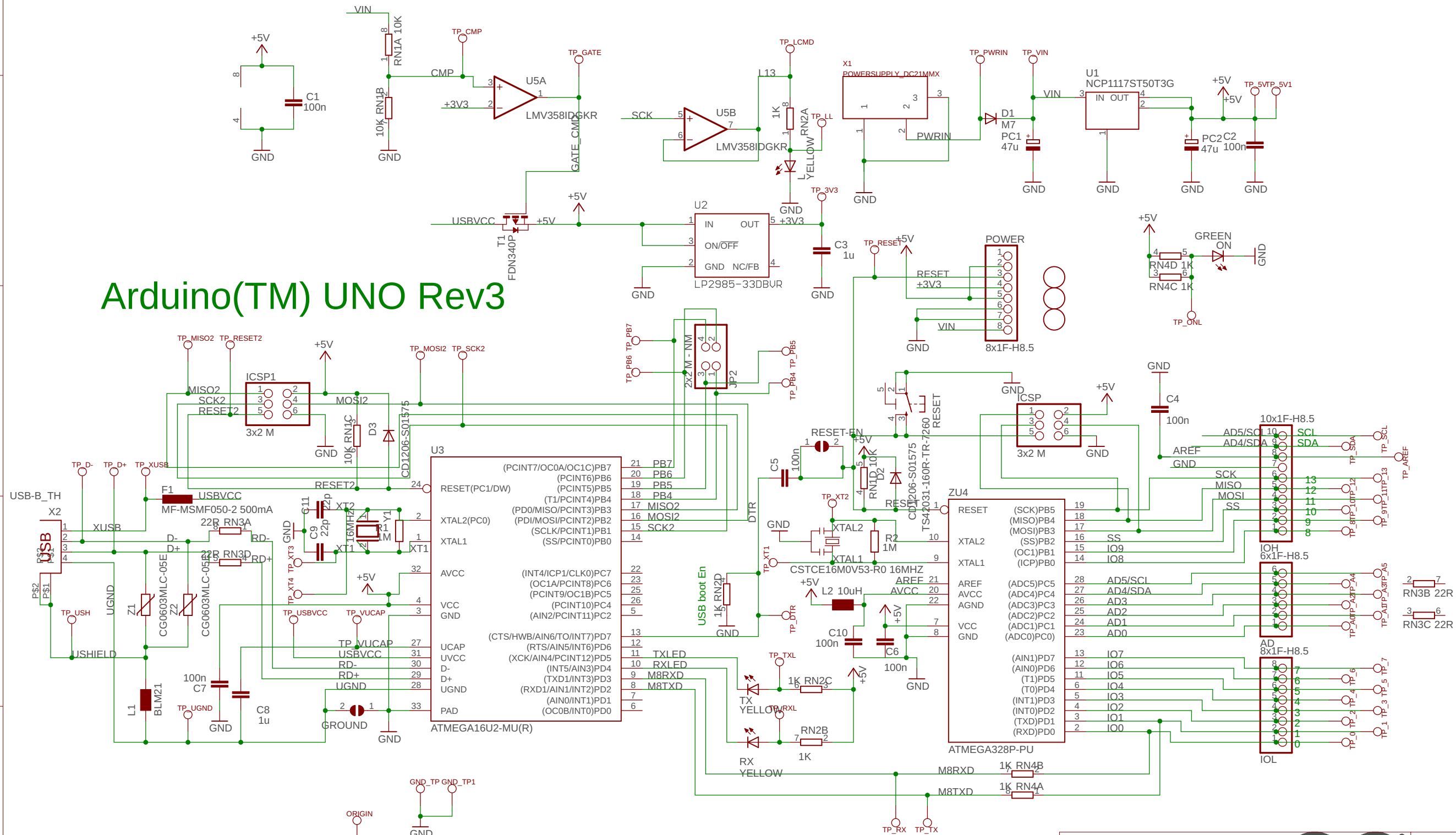
- OVERVIEW
- TECH SPECS
- DOCUMENTATION

The **Arduino Motor Shield** is based on the L298 ([datasheet](#)), which is a dual full-bridge driver designed to drive inductive loads such as relays, solenoids, DC and stepping motors. It lets you drive two DC motors with your Arduino board, controlling the speed and direction of each one independently. You can also measure the motor current absorption of each motor, among other features. The shield is TinkerKit compatible, which means you can quickly create projects by plugging TinkerKit modules to the board.

- OVERVIEW
- TECH SPECS
- DOCUMENTATION

Operating Voltage	5V to 12V
Motor controller	L298P, Drives 2 DC motors or 1 stepper motor
Max current	2A per channel or 4A max (with external power supply)
Current sensing	1.65V/A
Free running stop and brake function	

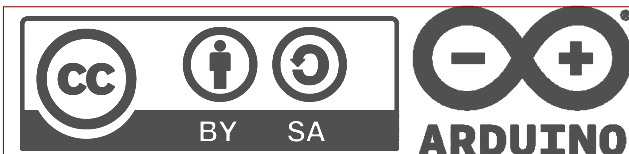
Arduino(TM) UNO Rev3



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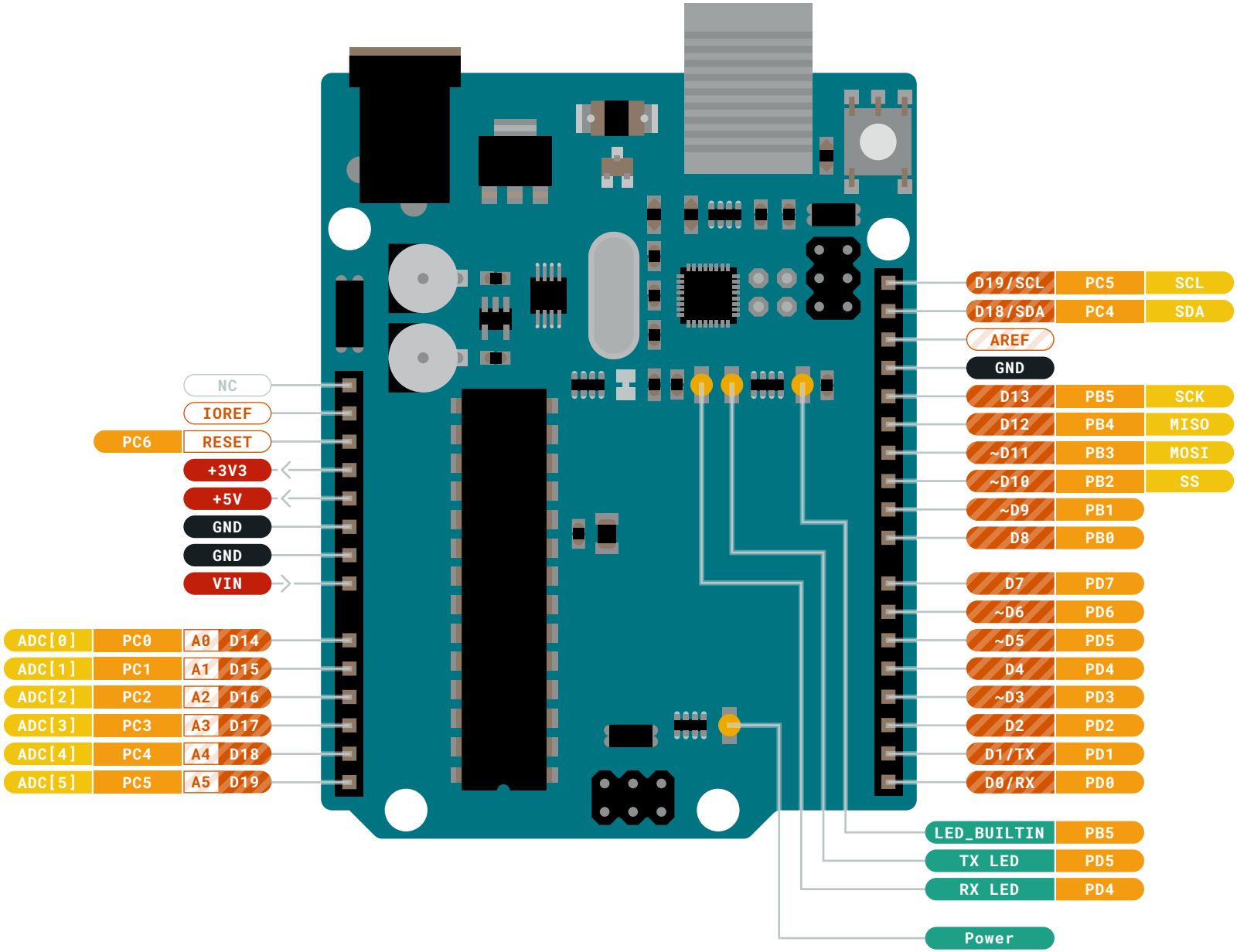
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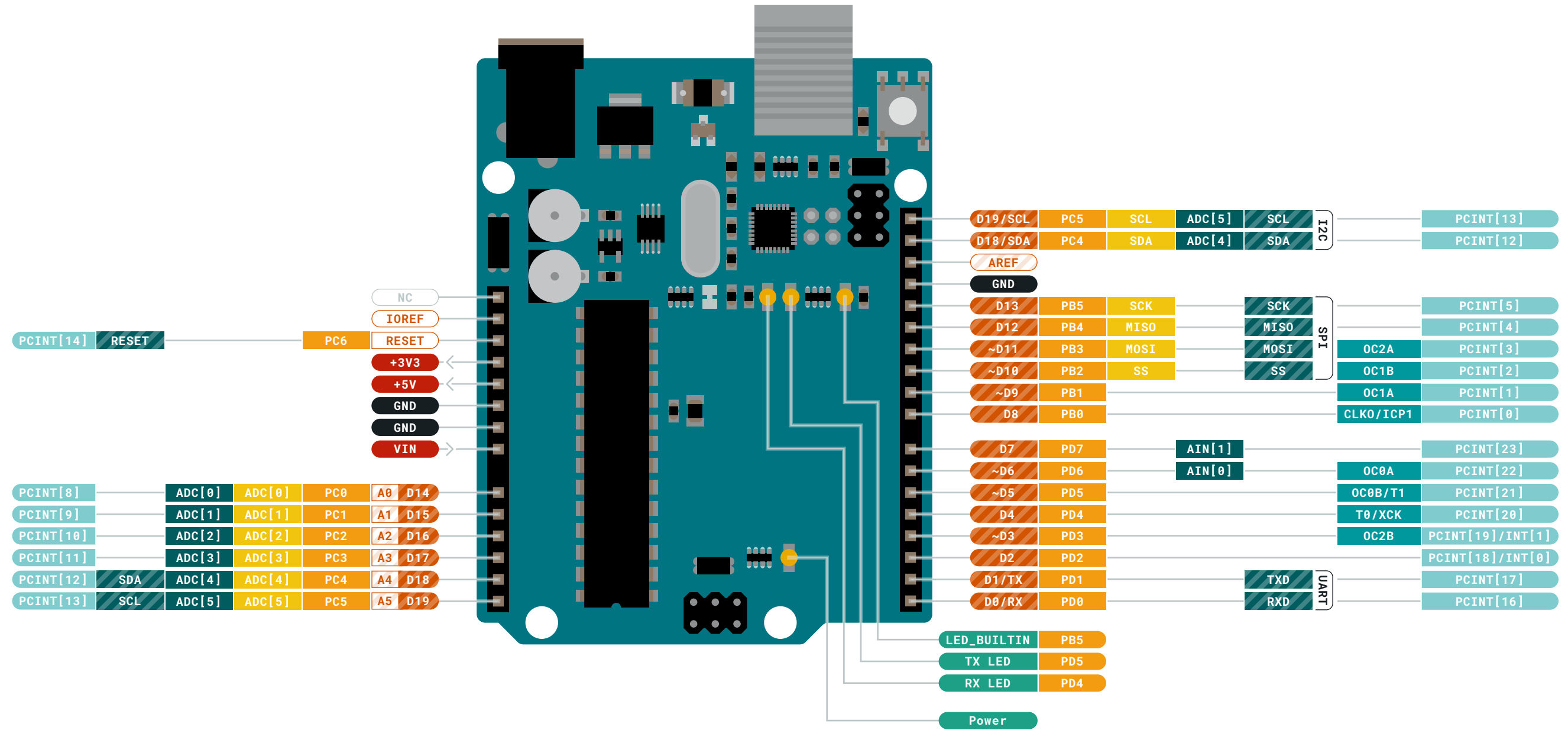
	Ground		Digital Pin
	Power		Analog Pin
	LED		Other Pin
	Internal Pin		Microcontroller's Port
	SWD Pin		Default

 **MAXIMUM** current per I/O pin is 20mA

 **MAXIMUM** current per +3.3V pin is 50mA

VIN 6-20 V input to the board.





- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
- Analog
- Communication
- Timer
- Interrupt
- Sercom

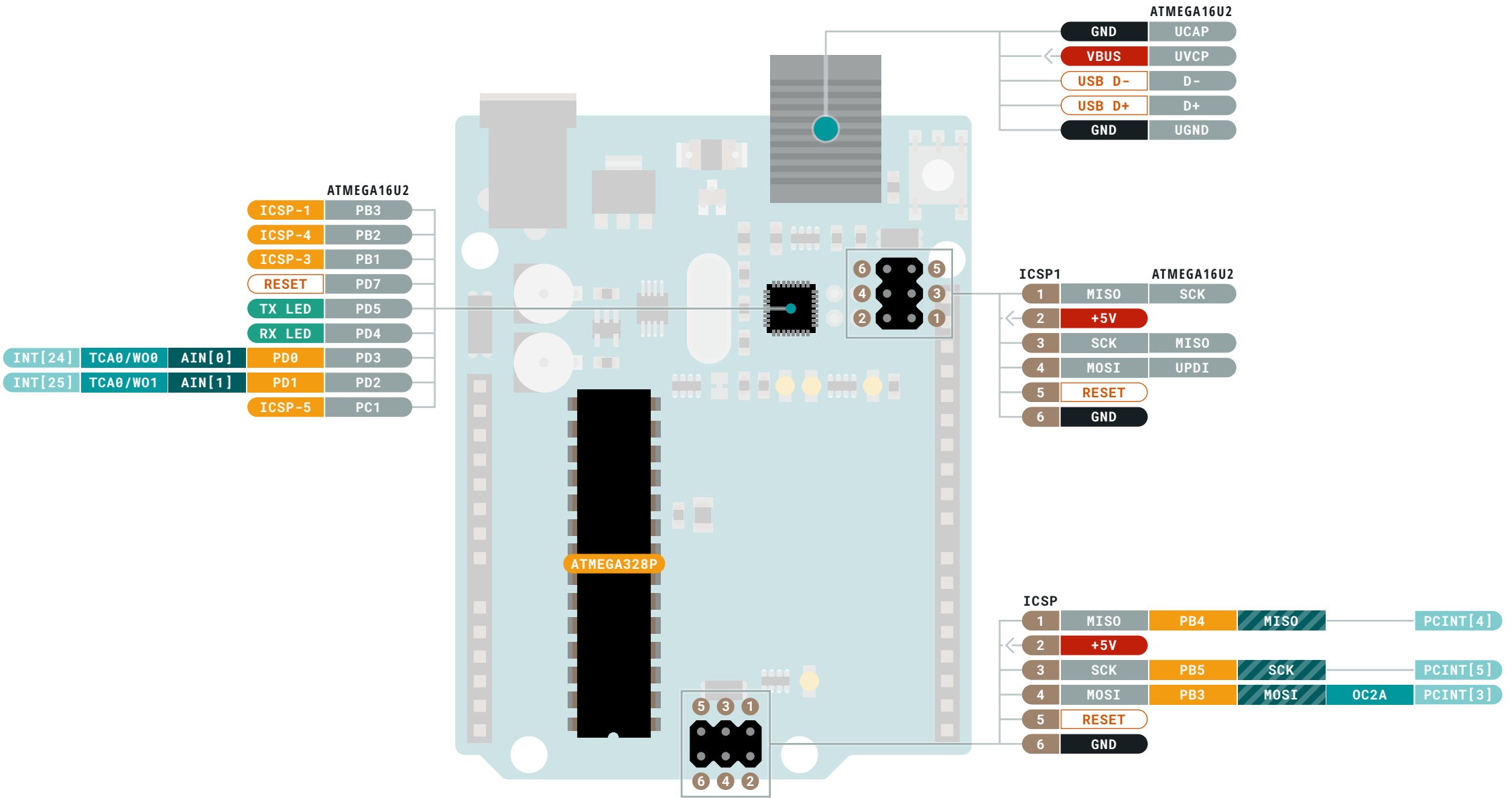
MAXIMUM current per I/O pin is 20mA

MAXIMUM current per +3.3V pin is 50mA

VIN 6-20 V input to the board.



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- | | | |
|---|--|---|
|  Ground |  Digital Pin |  Analog |
|  Power |  Analog Pin |  Communication |
|  LED |  Other Pin |  Timer |
|  Internal Pin |  Microcontroller's Port |  Interrupt |
|  SWD Pin |  Default |  Sercom |

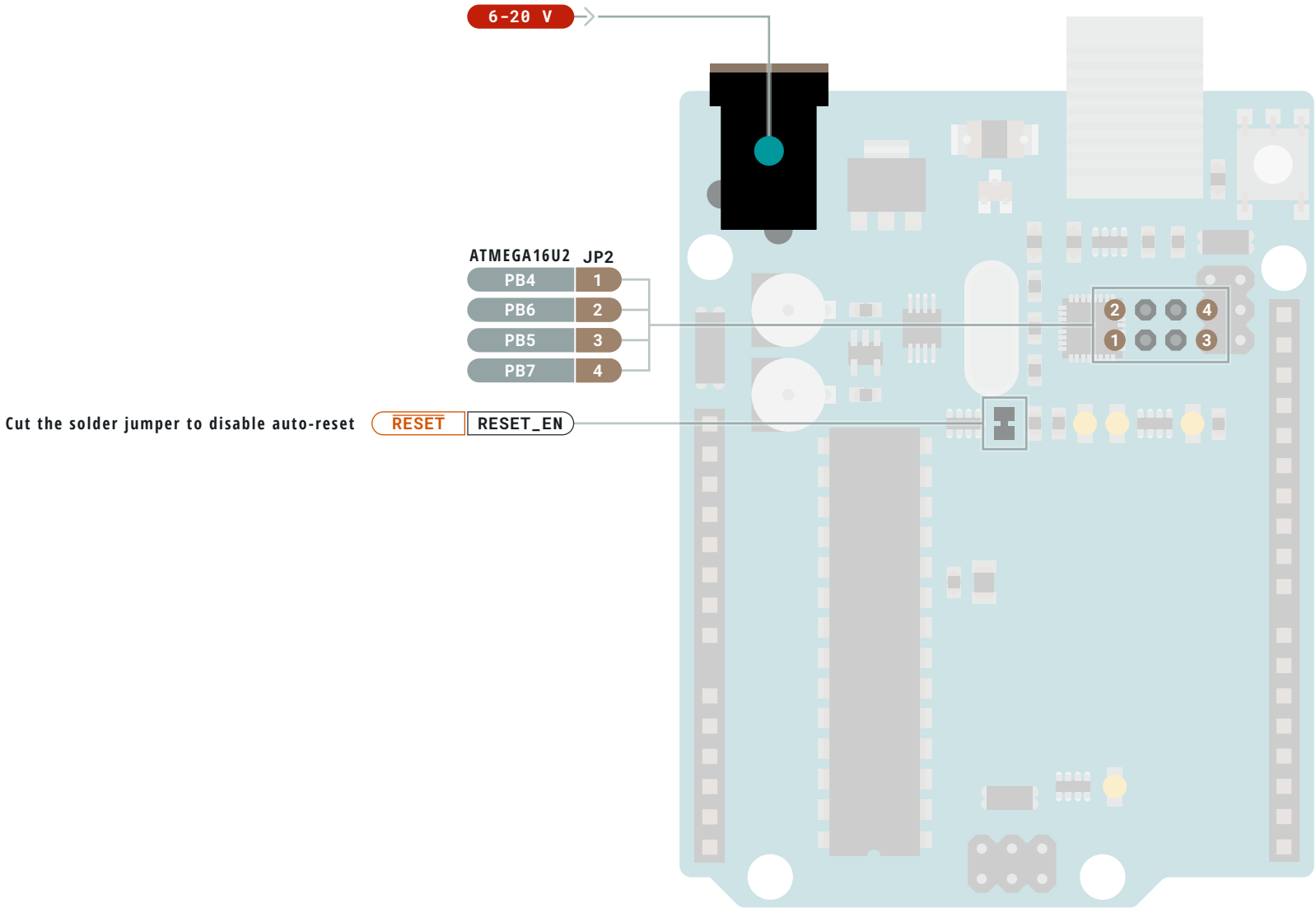
 **MAXIMUM** current per I/O pin is 20mA

 **MAXIMUM** current per +3.3V pin is 50mA

VIN 6-20 V input to the board.



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- Ground

Power

LED

Internal Pin

SWD Pin
- Digital Pin

Analog Pin

Other Pin

Microcontroller's Port

Default

SJ Pin
Making a short circuit using the solder jumper allows only the function in the SJ Pin cells.

MAXIMUM current per I/O pin is 20mA

MAXIMUM current per +3.3V pin is 50mA

VIN 6-20 V input to the board.

