



ARDUINO BOARDS-PIN MAPPING

Sankar Cheppali | September 30, 2014 | [Arduino](#) | [7 Comments](#)

ABOUT ME



Hi Guys. I'm Sankar, a software developer in Chennai

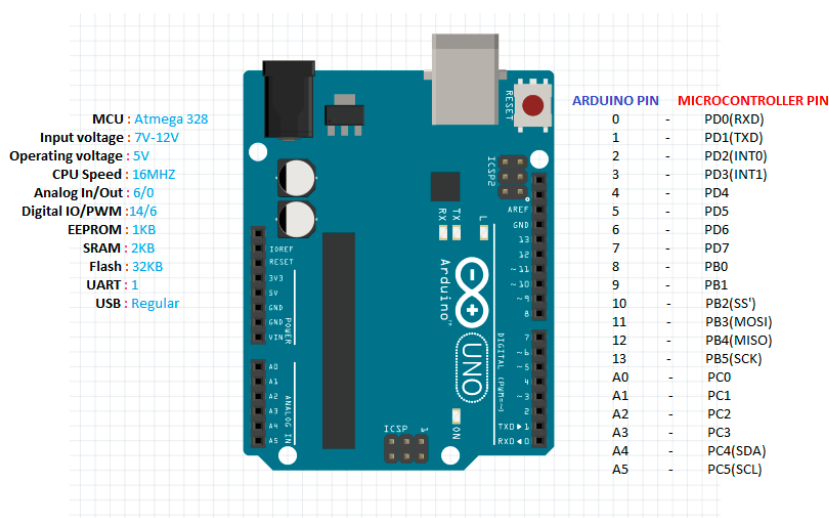


SEARCH



Often I found myself, searching for pin mapping of arduino board pins to actual micro-controller pins, like Arduino uno digital pin 0 is PD0 in atmega328. So I thought of putting all information at one place. I have added summary of each board also.

ARDUINO UNO PIN MAPPING :



Arduino uno Pin mapping

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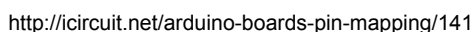
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MCU : AT91SAM3X8E
Input voltage : 7V-12V
Operating voltage : 3.3V
CPU Speed : 84MHZ
Analog In/Out : 12/2
Digital IO/PWM : 54/12
EEPROM : -
SRAM : 96KB
Flash : 512KB
UART : 4
USB : 2 micro

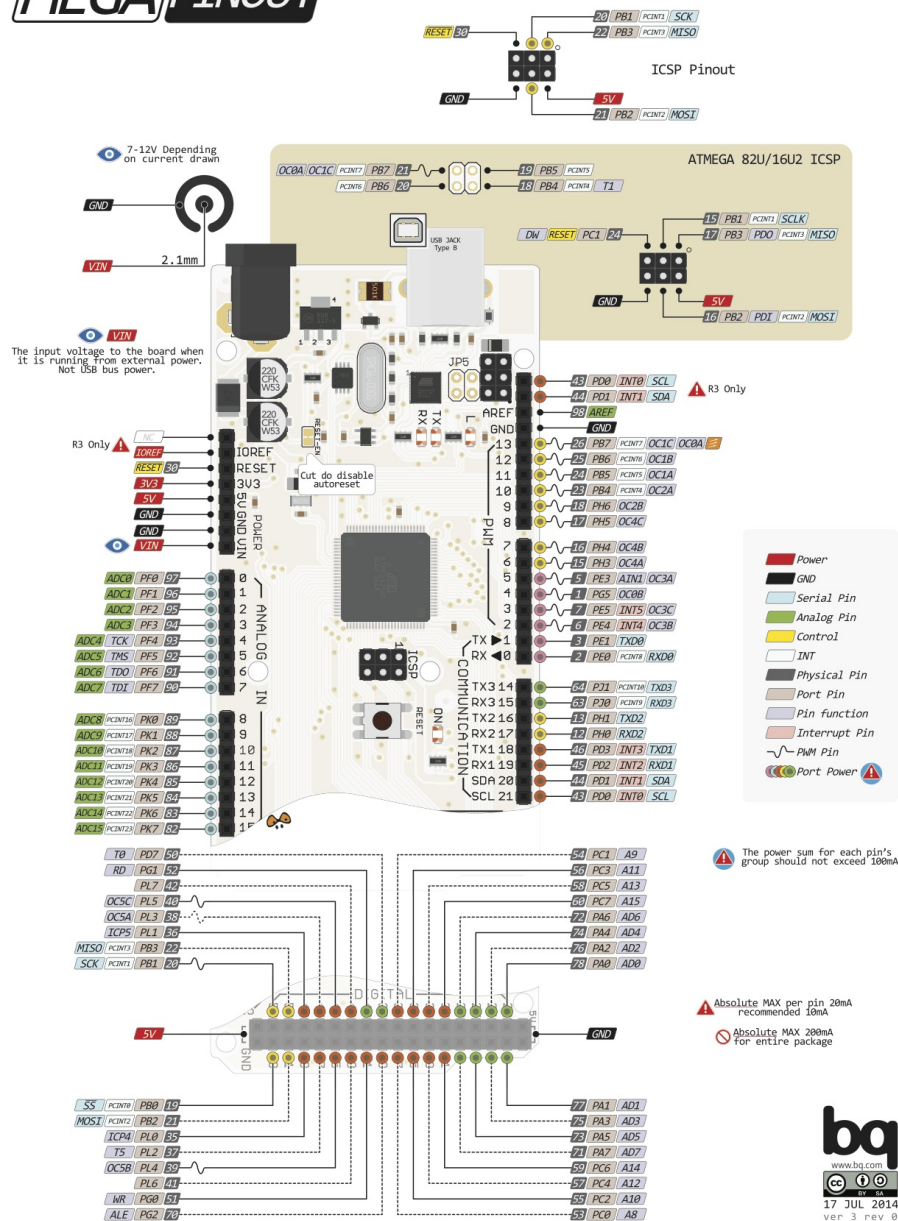
ARDUINO LEONARDO PIN MAPPING:



Arduino Leonardo pin mapping

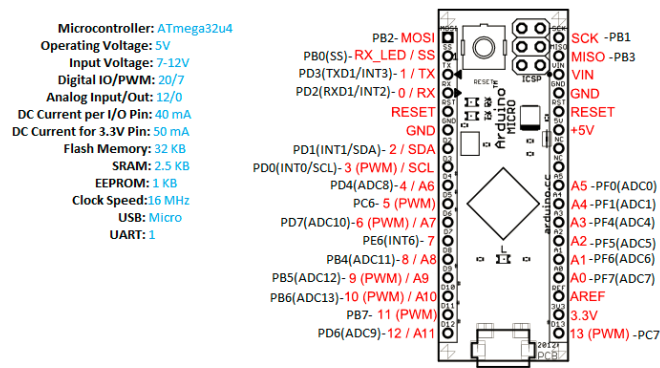
ARDUINO MEGA 2560 / MEGA ADK:

MEGA PINOUT



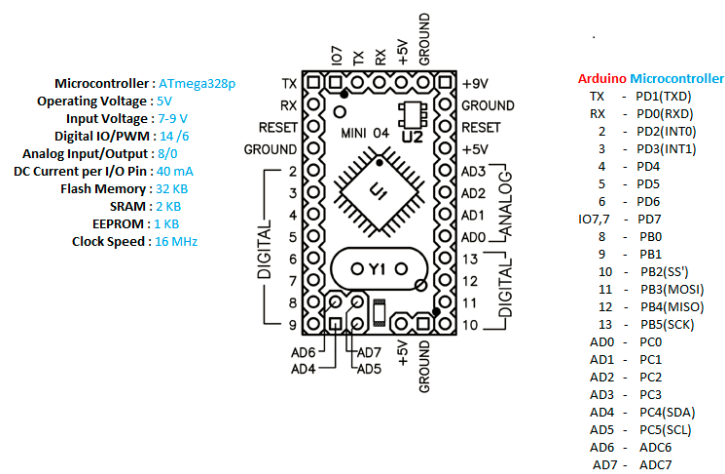
Arduino Mega 2560 summary

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Arduino Micro pin mapping

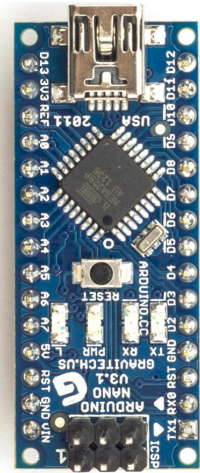
ARDUINO MINI PIN MAPPING:



Arduino Mini pin mapping

ARDUINO NANO PIN MAPPING:

Microcontroller : [ATmega168/ ATmega328](#)
Operating Voltage : [5 V](#)
Input Voltage : [7-12 V](#)
Digital IO/PWM : [14 /6](#)
Analog In/Out : [8](#)
DC Current per I/O Pin : [40 mA](#)
Flash Memory : [16 KB/32 KB](#)
SRAM : [1 KB/2 KB](#)
EEPROM : [512 bytes/1 KB](#)
Clock Speed : [16 MHz](#)



Arduino Microcontroller

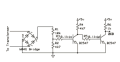
1(TX)	-	PD1(TXD)
0(RX)	-	PD0(RXD)
D2	-	PD2(INT0)
D3	-	PD3(INT1)
D4	-	PD4
D5	-	PD5
D6	-	PD6
D7	-	PD7
D8	-	PB0
D9	-	PB1
D10	-	PB2(SS ¹)
D11	-	PB3(MOSI)
D12	-	PB4(MISO)
D13	-	PB5(SCK)
A0	-	PC0
A1	-	PC1
A2	-	PC2
A3	-	PC3
A4	-	PC4(SDA)
A5	-	PC5(SCL)
A6	-	ADC6
A7	-	ADC7

Arduino nano pin mapping


For Arduino Pro Micro see [this](#)

Tags: [Arduino](#), [Arduino pin mapping](#)


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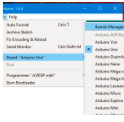
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ABOUT THE AUTHOR



Sankar Cheppali
hello world

7 COMMENTS



prabhu | February 29, 2016

[Reply](#)

Thanks for putting together pin mappings of all the arduino boards,
please add arduino 101 as well



Sankar Cheppali | September 16, 2016

[Reply](#)

For NodeMCU- Arduino pin mapping check this
Using node mcu with Arduino IDE-
<http://icircuit.net/using-nodemcu-arduino-ide/1396>



Kumar Satyam | October 3, 2016

[Reply](#)

Thanks a lot for putting together all pin mappings



Sunkita Howard | October 9, 2016

[Reply](#)

Please can I use your arduino uno pin map as a figure in
my thesis? If that's ok with you, let me know how you
would prefer to be credited – by your website name or
your personal name?



Sankar Cheppali | October 9, 2016

[Reply](#)

Hi, sure, you may mention website name



Sunkita Howard | October 10, 2016

[Reply](#)

Thanks! Much appreciated



celestica | May 31, 2017

[Reply](#)

great work you have done much appreciated thanks

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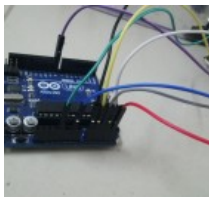
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ARDUINO



**ARDUINO:
INTERFACING
SD CARD WITH
ESP 32**



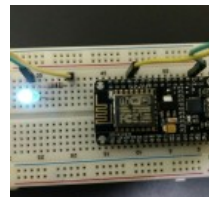
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POINTERS IN C**



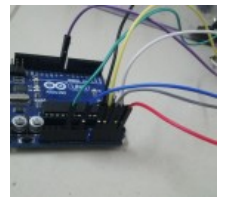
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STARTED WITH
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**INTERFACING
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**USING
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