

ATMEGA2560 PINOUT

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100
1

OC2B PC5 1
TXD0 PE0 2
XCK0/AIN0 PE1 3
OC3A INT4 PE3 4
OC3B INT5 PE4 5
T3 INT6 PE5 6
CLK0 TCP3 INT7 PE6 7
VCC 8
GND 9
RXD2 PH0 10
TXD2 PH1 11
XCK2 PH2 12
OC4A PH3 13
OC4B PH4 14
OC4C PH5 15
OC2B PH6 16
SS PCNT0 17
SCK PCNT1 18
MOSI PCNT2 19
MISO PCNT3 20
OC2A PCNT4 21
OC1A PCNT5 22
OC1B PCNT6 23
PB0 24
PB1 25
PB2 26
PB3 27
PB4 28
PB5 29
PB6 30
PB7 31
PB8 32
PB9 33
PB10 34
PB11 35
PB12 36
PB13 37
PB14 38
PB15 39
PB16 40
PB17 41
PB18 42
PB19 43
PB20 44
PB21 45
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PB64 88
PB65 89
PB66 90
PB67 91
PB68 92
PB69 93
PB70 94
PB71 95
PB72 96
PB73 97
PB74 98
PB75 99
PB76 100

The power sum for each pin's group should not exceed 200mA.
The power sum for each pin's group should not exceed 100mA.

TDE

Power

GND

Serial Pin

Analog Pin

Control

INT

Physical Pin

Port Pin

Pin function

Interrupt Pin

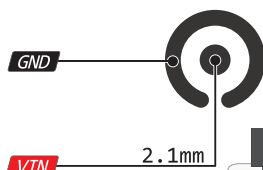
PWM Pin

Port Power

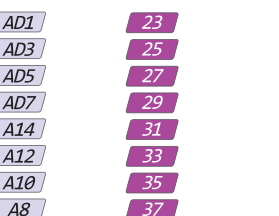
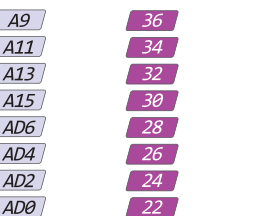
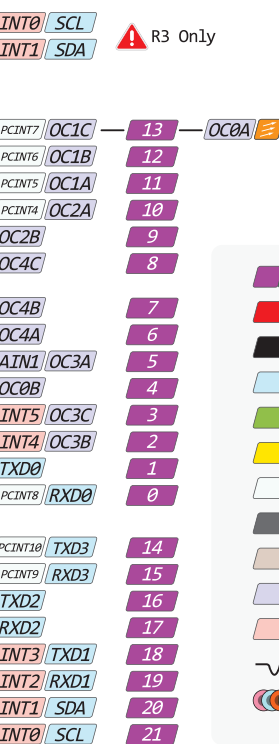
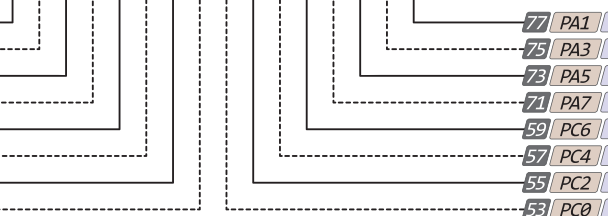
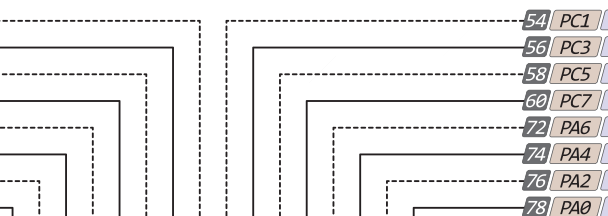
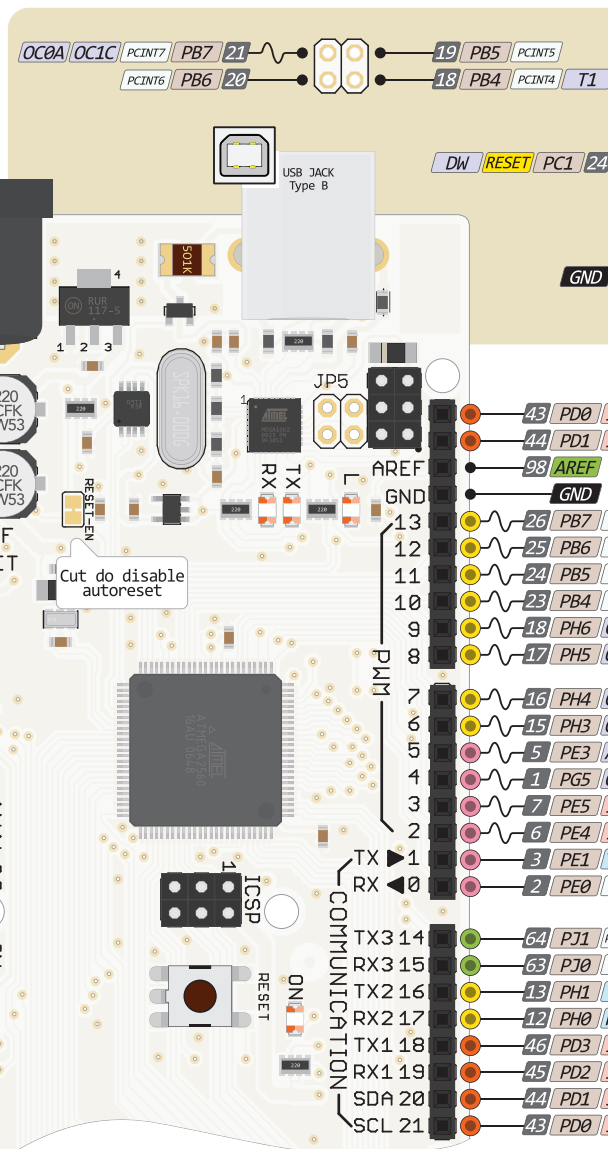
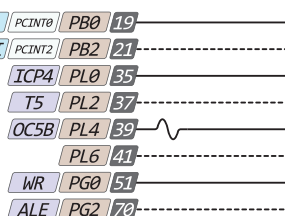
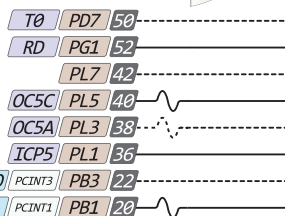
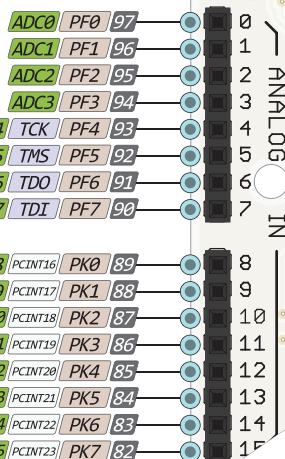
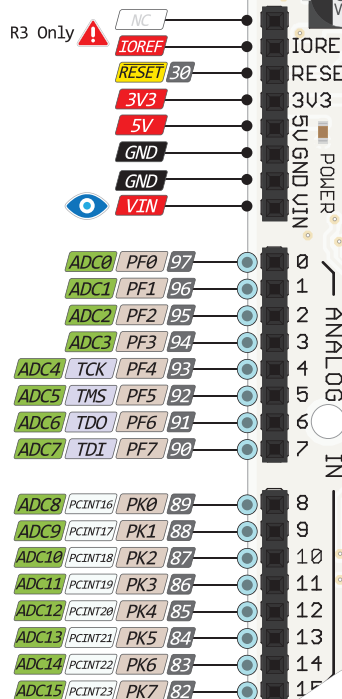
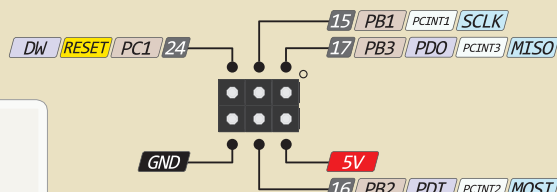
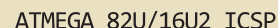
Port Power







Absolute MAX per pin 20mA
10mA at 3V
Absolute MAX 200mA
for entire package


 7-12V Depending on current drawn




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



-  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

 Absolute MAX per pin 20mA
recommended 10mA

 Absolute MAX 200mA
for entire package