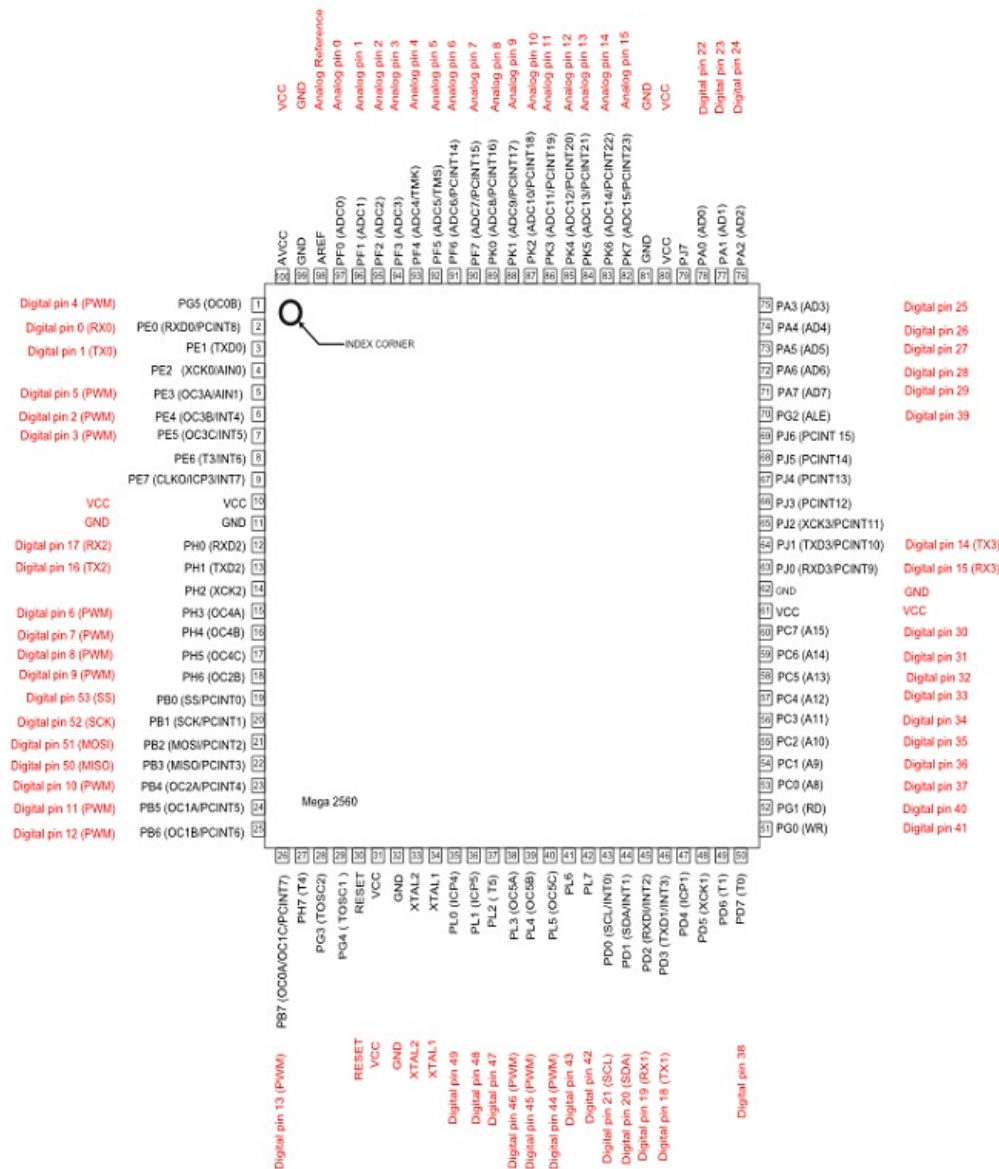


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# ATmega2560-Arduino Pin Mapping

Below is the pin mapping for the ATmega2560. The chip used in Arduino 2560. There are pin mappings to [Atmega8](#) and [Atmega 168/328](#) as well.

Arduino Mega 2560 PIN diagram



**Arduino Mega 2560 PIN mapping table**

Pin Number	Pin Name	Mapped Pin Name
1	PG5 ( OC0B )	Digital pin 4 (PWM)
2	PE0 ( RXD0/PCINT8 )	Digital pin 0 (RX0)
3	PE1 ( TXD0 )	Digital pin 1 (TX0)
4	PE2 ( XCK0/AIN0 )	
5	PE3 ( OC3A/AIN1 )	Digital pin 5 (PWM)
6	PE4 ( OC3B/INT4 )	Digital pin 2 (PWM)
7	PE5 ( OC3C/INT5 )	Digital pin 3 (PWM)
8	PE6 ( T3/INT6 )	
9	PE7 ( CLK0/ICP3/INT7 )	
10	VCC	VCC
11	GND	GND
12	PH0 ( RXD2 )	Digital pin 17 (RX2)
13	PH1 ( TXD2 )	Digital pin 16 (TX2)
14	PH2 ( XCK2 )	
15	PH3 ( OC4A )	Digital pin 6 (PWM)
16	PH4 ( OC4B )	Digital pin 7 (PWM)
17	PH5 ( OC4C )	Digital pin 8 (PWM)
18	PH6 ( OC2B )	Digital pin 9 (PWM)
19	PB0 ( SS/PCINT0 )	Digital pin 53 (SS)
20	PB1 ( SCK/PCINT1 )	Digital pin 52 (SCK)
21	PB2 ( MOSI/PCINT2 )	Digital pin 51 (MOSI)
22	PB3 ( MISO/PCINT3 )	Digital pin 50 (MISO)
23	PB4 ( OC2A/PCINT4 )	Digital pin 10 (PWM)
24	PB5 ( OC1A/PCINT5 )	Digital pin 11 (PWM)
25	PB6 ( OC1B/PCINT6 )	Digital pin 12 (PWM)
26	PB7 ( OC0A/OC1C/PCINT7 )	Digital pin 13 (PWM)
27	PH7 ( T4 )	
28	PG3 ( TOSC2 )	
29	PG4 ( TOSC1 )	
30	RESET	RESET
31	VCC	VCC
32	GND	GND
33	XTAL2	XTAL2
34	XTAL1	XTAL1
35	PL0 ( ICP4 )	Digital pin 49
36	PL1 ( ICP5 )	Digital pin 48
37	PL2 ( T5 )	Digital pin 47
38	PL3 ( OC5A )	Digital pin 46 (PWM)
39	PL4 ( OC5B )	Digital pin 45 (PWM)

40	PL5 ( OC5C )	Digital pin 44 (PWM)
41	PL6	Digital pin 43
42	PL7	Digital pin 42
43	PDO ( SCL/INT0 )	Digital pin 21 (SCL)
44	PD1 ( SDA/INT1 )	Digital pin 20 (SDA)
45	PD2 ( RXDI/INT2 )	Digital pin 19 (RX1)
46	PD3 ( TXD1/INT3 )	Digital pin 18 (TX1)
47	PD4 ( ICP1 )	
48	PD5 ( XCK1 )	
49	PD6 ( T1 )	
50	PD7 ( T0 )	Digital pin 38
51	PG0 ( WR )	Digital pin 41
52	PG1 ( RD )	Digital pin 40
53	PC0 ( A8 )	Digital pin 37
54	PC1 ( A9 )	Digital pin 36
55	PC2 ( A10 )	Digital pin 35
56	PC3 ( A11 )	Digital pin 34
57	PC4 ( A12 )	Digital pin 33
58	PC5 ( A13 )	Digital pin 32
59	PC6 ( A14 )	Digital pin 31
60	PC7 ( A15 )	Digital pin 30
61	VCC	VCC
62	GND	GND
63	PJ0 ( RXD3/PCINT9 )	Digital pin 15 (RX3)
64	PJ1 ( TXD3/PCINT10 )	Digital pin 14 (TX3)
65	PJ2 ( XCK3/PCINT11 )	
66	PJ3 ( PCINT12 )	
67	PJ4 ( PCINT13 )	
68	PJ5 ( PCINT14 )	
69	PJ6 ( PCINT15 )	
70	PG2 ( ALE )	Digital pin 39
71	PA7 ( AD7 )	Digital pin 29
72	PA6 ( AD6 )	Digital pin 28
73	PA5 ( AD5 )	Digital pin 27
74	PA4 ( AD4 )	Digital pin 26
75	PA3 ( AD3 )	Digital pin 25
76	PA2 ( AD2 )	Digital pin 24
77	PA1 ( AD1 )	Digital pin 23
78	PA0 ( AD0 )	Digital pin 22
79	PJ7	
80	VCC	VCC
81	GND	GND

82	PK7 ( ADC15/PCINT23 )	Analog pin 15
83	PK6 ( ADC14/PCINT22 )	Analog pin 14
84	PK5 ( ADC13/PCINT21 )	Analog pin 13
85	PK4 ( ADC12/PCINT20 )	Analog pin 12
86	PK3 ( ADC11/PCINT19 )	Analog pin 11
87	PK2 ( ADC10/PCINT18 )	Analog pin 10
88	PK1 ( ADC9/PCINT17 )	Analog pin 9
89	PK0 ( ADC8/PCINT16 )	Analog pin 8
90	PF7 ( ADC7 )	Analog pin 7
91	PF6 ( ADC6 )	Analog pin 6
92	PF5 ( ADC5/TMS )	Analog pin 5
93	PF4 ( ADC4/TMK )	Analog pin 4
94	PF3 ( ADC3 )	Analog pin 3
95	PF2 ( ADC2 )	Analog pin 2
96	PF1 ( ADC1 )	Analog pin 1
97	PFO ( ADC0 )	Analog pin 0
98	AREF	Analog Reference
99	GND	GND
100	AVCC	VCC

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