Arduino Pin Mapping

ATMega168/328/328p - 28DIP	ATMega168/328/328p - 32MLF	ATMega644P - 40PDIP
1. PC6 – PCINT14, Reset [RESET]	1. PD3 – PCINT19, OC2B, INT1	1. PB0 – PCINT8, XCK0, T0 [PIN0] LED
2. PD0 – PCINT16, RXD [PIN0]	2. PD4 – PCINT20, XCK, T0	2. PB1 – PCINT9, CLKO, T1 [PIN1]
3. PD1 – PCINT17, TXD [PIN1]	3. GND	3. PB2 – PCINT10, INT2, AIN0 [PIN2]
4. PD2 – PCINT18, INT0 [PIN2]	4. VCC	4. PB3 – PCINT11, OC0A, AIN1 [PIN3/PWM]
5. PD3 – PCINT19, INT1, OC2B [PIN3]	5. GND	5. PB4 – PCINT12, OC0B, SS [PIN4/PWM]
6. PD4 – PCINT20, XCK, T0 [PIN4]	6. VCC	6. PB5 – PCINT13, MOSI [PIN5]
7. VCC	7. PB6 – PCINT6, XTAL1, TOSC1	7. PB6 – PCINT14, MISO [PIN6]
8. GND	8. PB7 – PCINT7, XTAL2, TOSC2	8. PB7 – PCINT15, SCK [PIN7]
9. PB6 – PCINT6, XTAL1, TOSC1	9. PD5 – PCINT21, OCB0, T1	9. RESET
10. PB7 – PCINT7, XTAL2, TOSC2	10. PD6 – PCINT22, OC0A, AIN0	10. VCC
11. PD5 – PCINT21, OC0B, T1 [PIN5/PWM]	11. PD7 – PCINT23, OC0B,	11. GND
12. PD6 – PCINT22, OC0A, AIN0 [PIN6/PWM]	12. PB0 – PCINT0, CLKO, ICP1	12. XTAL2
13. PD7 – PCINT23, AIN1 [PIN7]	13. PB1 – PCINT1, OC1A	13. XTAL1
14. PB0 – PCINT0, CLKO, ICP1 [PIN8]	14. PB2 – PCINT2, OC1B, SS	14. PD0 – PCINT24, RXD0 [PIN8]
15. PB1 – PCINT1, OC1A [PIN9/PWM]	15. PB3 – PCINT3, OC2A, MOSI	15. PD1 – PCINT25, TXD0 [PIN9]
16. PB2 – PCINT2, OC1B, SS [PIN10/PWM]	16. PB4 – PCINT4, MISO	16. PD2 – PCINT26, RXD1, INT0 [PIN10]
17. PB3 – PCINT3, OC2A, MOSI [PIN11/PWM]	17. PB5 – PCINT5, SCK	17. PD3 – PCINT27, TXD1, INT1 [PIN11]
18. PB4 – PCINT4, MISO [PIN12]	18. AVCC	18. PD4 – PCINT28, OC1B [PIN12/PWM]
19. PB5 – PCINT5, SCK [PIN13] LED	19. ADC6	19. PD5 – PCINT29, OC1A [PIN13/PWM]
20. AVCC	20. AREF	20. PD6 – PCINT30, OC2B [PIN14/PWM]
21. AREF	21. GND	21. PD7 – PCINT31, OC2A [PIN15/PWM]
22. GND	22. ADC7	22. PC0 – PCINT16, SCL [PIN16]
23. PC0 – PCINT8, ADC0 [ANALOG0]	23. PC0 – PCINT8, ADC0	23. PC1 – PCINT17, SDA [PIN17]
24. PC1 – PCINT9, ADC1 [ANALOG1]	24. PC1 – PCINT9, ADC1	24. PC2 – PCINT18, TCK [PIN18]
25. PC2 – PCINT10, ADC2 [ANALOG2]	25. PC2 – PCINT10, ADC2	25. PC3 – PCINT19, TMS [PIN19]
26. PC3 – PCINT11, ADC3 [ANALOG3]	26. PC3 – PCINT11, ADC3	26. PC4 – PCINT20, TDO [PIN20]
27. PC4 – PCINT12, ADC4, SDA [ANALOG4]	27. PC4 – PCINT12, ADC4, SDA	27. PC5 – PCINT21, TDI
	28. PC5 – PCINT13, ADC5, SCL	
	29. PC6 – PCINT15,	

28. `PC5 - PCINT13, ADC5, SCL`
    `[ANALOG5]`

      `RESET`
30. `PD0 - PCINT16,`
    `RXD`
31. `PD1 - PCINT17,`
    `TXD`
32. `PD2 - PCINT18,`
    `INT0`

      `[PIN21]`
28. `PC6 - PCINT22, TOSC1`
    `[PIN22]`
29. `PC7 - PCINT23, TOSC2`
    `[PIN23]`
30. `AVCC`
31. `GND`
32. `AREF`
33. `PA7 - PCINT7, ADC7`
    `[ANALOG7]`
34. `PA6 - PCINT6, ADC6`
    `[ANALOG6]`
35. `PA5 - PCINT5, ADC5`
    `[ANALOG5]`
36. `PA4 - PCINT4, ADC4`
    `[ANALOG4]`
37. `PA3 - PCINT3, ADC3`
    `[ANALOG3]`
38. `PA2 - PCINT2, ADC2`
    `[ANALOG2]`
39. `PA1 - PCINT1, ADC1`
    `[ANALOG1]`
40. `PA0 - PCINT0, ADC0`
    `[ANALOG0]`