

Atmega168 Pin Mapping

Arduino function

reset

digital pin 0 (RX)

digital pin 1 (TX)

digital pin 2

digital pin 3 (PWM)

digital pin 4

VCC

GND

crystal

crystal

digital pin 5 (PWM)

digital pin 6 (PWM)

digital pin 7

digital pin 8

(PCINT14/RESET) PC6 □ 1

(PCINT16/RXD) PD0 □ 2

(PCINT17/TXD) PD1 □ 3

(PCINT18/INT0) PD2 □ 4

(PCINT19/OC2B/INT1) PD3 □ 5

(PCINT20/XCK/T0) PD4 □ 6

VCC □ 7

GND □ 8

(PCINT6/XTAL1/TOSC1) PB6 □ 9

(PCINT7/XTAL2/TOSC2) PB7 □ 10

(PCINT21/OC0B/T1) PD5 □ 11

(PCINT22/OC0A/AIN0) PD6 □ 12

(PCINT23/AIN1) PD7 □ 13

(PCINT0/CLKO/ICP1) PB0 □ 14

28 □ PC5 (ADC5/SCL/PCINT13)

27 □ PC4 (ADC4/SDA/PCINT12)

26 □ PC3 (ADC3/PCINT11)

25 □ PC2 (ADC2/PCINT10)

24 □ PC1 (ADC1/PCINT9)

23 □ PC0 (ADC0/PCINT8)

22 □ GND

21 □ AREF

20 □ AVCC

19 □ PB5 (SCK/PCINT5)

18 □ PB4 (MISO/PCINT4)

17 □ PB3 (MOSI/OC2A/PCINT3)

16 □ PB2 (SS/OC1B/PCINT2)

15 □ PB1 (OC1A/PCINT1)

Arduino function

analog input 5

analog input 4

analog input 3

analog input 2

analog input 1

analog input 0

GND

analog reference

VCC

digital pin 13

digital pin 12

digital pin 11 (PWM)

digital pin 10 (PWM)

digital pin 9 (PWM)

Digital Pins 11, 12 & 13 are used by the ICSP header for MOSI, MISO, SCK connections (Atmega168 pins 17, 18 & 19). Avoid low-impedance loads on these pins when using the ICSP header.