Atmega168 Pin Mapping

Arduino function			Arduino function
reset	(PCINT14/RESET) PC6 ☐ 1	28 ☐ PC5 (ADC5/SCL/PCINT13)	analog input 5
digital pin 0 (RX)	(PCINT16/RXD) PD0 ☐ 2	27 ☐ PC4 (ADC4/SDA/PCINT12)	analog input 4
digital pin 1 (TX)	(PCINT17/TXD) PD1 ☐ 3	26 ☐ PC3 (ADC3/PCINT11)	analog input 3
digital pin 2	(PCINT18/INT0) PD2 ☐ 4	25 ☐ PC2 (ADC2/PCINT10)	analog input 2
digital pin 3 (PWM)	(PCINT19/OC2B/INT1) PD3 ☐ 5	24 ☐ PC1 (ADC1/PCINT9)	analog input 1
digital pin 4	(PCINT20/XCK/T0) PD4 ☐ 6	23 ☐ PC0 (ADC0/PCINT8)	analog input 0
VCC	VCC ☐ 7	22 ☐ GND	GND
GND	GND ☐ 8	21 ☐ AREF	analog reference
crystal	(PCINT6/XTAL1/TOSC1) PB6 ☐ 9	20 ☐ AVCC	VCC
crystal	(PCINT7/XTAL2/TOSC2) PB7 ☐ 10	19 ☐ PB5 (SCK/PCINT5)	digital pin 13
digital pin 5 (PWM)	(PCINT21/OC0B/T1) PD5 ☐ 11	18 ☐ PB4 (MISO/PCINT4)	digital pin 12
digital pin 6 (PWM)	(PCINT22/OC0A/AIN0) PD6 ☐ 12	17 ☐ PB3 (MOSI/OC2A/PCINT3)	digital pin 11(PWM)
digital pin 7	(PCINT23/AIN1) PD7 ☐ 13	16 ☐ PB2 (SS/OC1B/PCINT2)	digital pin 10 (PWM)
digital pin 8	(PCINT0/CLKO/ICP1) PB0 ☐ 14	15 ☐ PB1 (OC1A/PCINT1)	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.