

## Microcontroller Reference Sheet v1.2

ATMega8/48/88/168/328/Arduino ATTiny2313/4313 RESET/PC6 PC5/SCL/A5 28 D0/RXD/PD0 2 27 PC4/SDA/A4 RESET/PA2 3 D1/TXD/PD1 26 PC3/A3 D0/RXD/PD0 2 19 PB7/SCL/SCK/D16 D2/PD2 4 25 PC2/A2 D1/TXD/PD1 3 18 PB6/MISO/D15 D3/PD3\* 5 24 PC1/A1 D2/XTAL2/PA1 17 PB5/MOSI/SDA/D14 D4/PD4 6 23 PC0/A0 D3/XTAL1/PA0 16 5 PB4\*/D13 22 **VCC GND** D4/PD2 15 6 PB3\*/D12 GND 8 21 **AREF** D5/PD3 14 PB2\*/D11 XTAL1/PB6 9 20 **AVCC** D6/PD4 8 13 PB1/AIN1/D10 XTAL2/PB7 10 19 PB5/SCK/D13 D7/PD5\* 9 12 PB0/AIN0/D9 D5/PD5\* 11 18 PB4/MISO/D12 GND 110 11 PD6/D8 D6/PD6\* 712 17 PB3\*/MOSI/D11 D7/PD7 13 PB2\*/D10 16 **D8/PB0** 114 ATTiny24/44/84 15 PB1\*/D9 **VCC GND** D0/XTAL1/PB0 13 2 PA0/AREF/D10(A0) ATTiny26/261/461/861 D1/XTAL2/PB1 3 12 PA1/AIN0/D9(A1) PAO/ADO/SDA RESET/PB3 11 4 PA2/AIN1/D8(A2) MOSI/SDA/PB0 20 D2/PB2\* 5 10 PA3/TO/D7(A3) MISO/PB1\* 2 19 PA1/AD1 PA2/AD2/SCL D3(A7)/PA7\* 6 9 PA4/USCK/SCL/D6(A4) 18 SCK/SCL/PB2\* 3 D4(A6)//PA6\* 8 PA5\*/DO/MISO/D5(A5) 17 PA3/AREF 7 **PB3\*** 4 5 16 VCC **AGND** GND 6 15 **AVCC** AD7/XTAL1/PB4\* 14 PA4/AD3 AD8/XTAL2/PB5\* 8 13 PA5/AD4 ADC9/PB6 9 12 PA6/AD5 AD10/RESET/PB7 ٦10 PA7/AD6 11 ATTiny25/45/85/13 D5(A0)/RESET/ADC0/PB5 8 **VCC** D3(A3)/XTAL1/ADC3/PB3\* 2 7 PB2/SCL/SCK/D2(A1) D4(A2)/XTAL2/ADC2/PB4\* 3 6 PB1\*/MISO/D1 **ISP** Header 5 PB0\*/MOSI/ **GND** SDA/AREF/D0 MISO/1 2/VCC SCK/3 4/MOSI NOTES: \*ATTiny13 has PWM only on PB0 and PB1 RESET/5 6/GND - Arduino pins for ATTinyX313/X5/X4 \* No AREF on ATTiny13 are from the arduino-tiny project \* PB3 and PB4 share the same timer - PWM pins are marked with (\*)