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| --- | --- | --- |
| **Pin Number** | **Description** | **Function** |
| 1 | PC6 | Reset |
| 2 | PD0 | Digital Pin (RX) |
| 3 | PD1 | Digital Pin (TX) |
| 4 | PD2 | Digital Pin |
| 5 | PD3 | Digital Pin (PWM) |
| 6 | PD4 | Digital Pin |
| 7 | Vcc | Positive Voltage (Power) |
| 8 | GND | Ground |
| 9 | XTAL 1 | Crystal Oscillator |
| 10 | XTAL 2 | Crystal Oscillator |
| 11 | PD5 | Digital Pin (PWM) |
| 12 | PD6 | Digital Pin (PWM) |
| 13 | PD7 | Digital Pin |
| 14 | PB0 | Digital Pin |
| 15 | PB1 | Digital Pin (PWM) |
| 16 | PB2 | Digital Pin (PWM) |
| 17 | PB3 | Digital Pin (PWM) |
| 18 | PB4 | Digital Pin |
| 19 | PB5 | Digital Pin |
| 20 | AVCC | Positive voltage for ADC (power) |
| 21 | AREF | Reference Voltage |
| 22 | GND | Ground |
| 23 | PC0 | Analog Input |
| 24 | PC1 | Analog Input |
| 25 | PC2 | Analog Input |
| 26 | PC3 | Analog Input |
| 27 | PC4 | Analog Input |
| 28 | PC5 | Analog Input |

**PIN EXPLANATION:**