|  |  |  |  |
| --- | --- | --- | --- |
| **PIN** | **Name** | **Function** | **Mapped** |
| 1 | PG5 | OC0B | Digital pin 4 (PWM) |
| 2 | PE0 | RXD0/PCINT8 | Digital pin 0 (RX0) |
| 3 | PE1 | TXD0 | Digital pin 1 (TX0) |
| 4 | PE2 | XCK0/AIN0 | *Digital pin 80* |
| 5 | PE3 | OC3A/AIN1 | Digital pin 5 (PWM) |
| 6 | PE4 | OC3B/INT4 | Digital pin 2 (PWM) |
| 7 | PE5 | OC3C/INT5 | Digital pin 3 (PWM) |
| 8 | PE6 | T3/INT6 | *Digital pin 81* |
| 9 | PE7 | CLKO/ICP3/INT7 | *Digital pin 82* |
| 10 | VCC | VCC | VCC |
| 11 | GND | GND | GND |
| 12 | PH0 | RXD2 | Digital pin 17 (RX2 |
| 13 | PH1 | TXD2 | Digital pin 16 (TX2 |
| 14 | PH2 | XCK2 | *Digital pin 76* |
| 15 | PH3 | OC4A | Digital pin 6 (PWM) |
| 16 | PH4 | OC4B | Digital pin 7 (PWM) |
| 17 | PH5 | OC4C | Digital pin 8 (PWM) |
| 18 | PH6 | OC2B | Digital pin 9 (PWM) |
| 19 | PB0 | SS/PCINT0 | Digital pin 53 (SS) |
| 20 | PB1 | SCK/PCINT1 | Digital pin 52 (SCK) |
| 21 | PB2 | MOSI/PCINT2 | Digital pin 51 (MOSI) |
| 22 | PB3 | MISO/PCINT3 | Digital pin 50 (MISO) |
| 23 | PB4 | OC2A/PCINT4 | Digital pin 10 (PWM) |
| 24 | PB5 | OC1A/PCINT5 | Digital pin 11 (PWM) |
| 25 | PB6 | OC1B/PCINT6 | Digital pin 12 (PWM) |
| 26 | PB7 | OC0A/OC1C/PCINT7 | Digital pin 13 PWM |
| 27 | PH7 | T4 | *Digital pin 77* |
| 28 | PG3 | TOSC2 | *Digital pin 78* |
| 29 | PG4 | TOSC1 | *Digital pin 79* |
| 30 | RESET | RESET | RESET |
| 31 | VCC | VCC | VCC |
| 32 | GND | GND | GND |
| 33 | XTAL2 | XTAL2 | XTAL2 |
| 34 | XTAL1 | XTAL1 | XTAL1 |
| 35 | PL0 | ICP4 | Digital pin 49 |
| 36 | PL1 | ICP5 | Digital pin 48 |
| 37 | PL2 | T5 | Digital pin 47 |
| 38 | PL3 | OC5A | Digital pin 46 (PWM) |
| 39 | PL4 | OC5B | Digital pin 45 (PWM) |
| 40 | PL5 | OC5C | Digital pin 44 (PWM) |
| 41 | PL6 | - | Digital pin 43 |
| 42 | PL7 | - | Digital pin 42 |
| 43 | PD0 | SCL/INT0 | Digital pin 21 (SCL) |
| 44 | PD1 | SDA/INT1 | Digital pin 20 (SDA) |
| 45 | PD2 | RXDI/INT2 | Digital pin 19 (RX1) |
| 46 | PD3 | TXD1/INT3 | Digital pin 18 (TX1) |
| 47 | PD4 | ICP1 | *Digital pin 83* |
| 48 | PD5 | XCK1 | *Digital pin 84* |
| 49 | PD6 | T1 | *Digital pin 85* |
| 50 | PD7 | T0 | Digital pin 38 |
| **PIN** | **Name** | **Function** | **Mapped** |
| 51 | PG0 | WR | Digital pin 41 |
| 52 | PG1 | RD | Digital pin 40 |
| 53 | PC0 | A8 | Digital pin 37 |
| 54 | PC1 | A9 | Digital pin 36 |
| 55 | PC2 | A10 | Digital pin 35 |
| 56 | PC3 | A11 | Digital pin 34 |
| 57 | PC4 | A12 | Digital pin 33 |
| 58 | PC5 | A13 | Digital pin 32 |
| 59 | PC6 | A14 | Digital pin 31 |
| 60 | PC7 | A15 | Digital pin 30 |
| 61 | VCC | VCC | VCC |
| 62 | GND | GND | GND |
| 63 | PJ0 | RXD3/PCINT9 | Digital pin 15 (RX3) |
| 64 | PJ1 | TXD3/PCINT10 | Digital pin 14 (TX3) |
| 65 | PJ2 | XCK3/PCINT11 | *Digital pin 70* |
| 66 | PJ3 | PCINT12 | *Digital pin 71* |
| 67 | PJ4 | PCINT13 | *Digital pin 72* |
| 68 | PJ5 | PCINT14 | *Digital pin 73* |
| 69 | PJ6 | PCINT 15 | *Digital pin 74* |
| 70 | PG2 | ALE | Digital pin 39 |
| 71 | PA7 | AD7 | Digital pin 29 |
| 72 | PA6 | AD6 | Digital pin 28 |
| 73 | PA5 | AD5 | Digital pin 27 |
| 74 | PA4 | AD4 | Digital pin 26 |
| 75 | PA3 | AD3 | Digital pin 25 |
| 76 | PA2 | AD2 | Digital pin 24 |
| 77 | PA1 | AD1 | Digital pin 23 |
| 78 | PA0 | AD0 | Digital pin 22 |
| 79 | PJ7 | - | *Digital pin 75* |
| 80 | VCC | VCC | VCC |
| 81 | GND | GND | GND |
| 82 | PK7 | ADC15/PCINT23 | Analog pin 15 |
| 83 | PK6 | ADC14/PCINT22 | Analog pin 14 |
| 84 | PK5 | ADC13/PCINT21 | Analog pin 13 |
| 85 | PK4 | ADC12/PCINT20 | Analog pin 12 |
| 86 | PK3 | ADC11/PCINT19 | Analog pin 11 |
| 87 | PK2 | ADC10/PCINT18 | Analog pin 10 |
| 88 | PK1 | ADC9/PCINT17 | Analog pin 9 |
| 89 | PK0 | ADC8/PCINT16 | Analog pin 8 |
| 90 | PF7 | ADC7 | Analog pin 7 |
| 91 | PF6 | ADC6 | Analog pin 6 |
| 92 | PF5 | ADC5/TMS | Analog pin 5 |
| 93 | PF4 | ADC4/TMK | Analog pin 4 |
| 94 | PF3 | ADC3 | Analog pin 3 |
| 95 | PF2 | ADC2 | Analog pin 2 |
| 96 | PF1 | ADC1 | Analog pin 1 |
| 97 | PF0 | ADC0 | Analog pin 0 |
| 98 | AREF | AREF | Analog Reference |
| 99 | GND | GND | GND |
| 100 | AVCC |  | VCC |