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|----|-----------------|-----------------------|----|-----------------|-----------------------|
| 71 | LCD D7 | (AD7)PA7 | 71 | LCD D7 | (AD7)PA7 |
| 72 | DIR1 | (AD6)PA6 | 72 | DIR1 | (AD6)PA6 |
| 73 | LCD D6 | (AD5)PA5 | 73 | LCD D6 | (AD5)PA5 |
| 74 | STEP1 | (AD4)PA4 | 74 | STEP1 | (AD4)PA4 |
| 75 | LCD D5 | (AD3)PA3 | 75 | LCD D5 | (AD3)PA3 |
| 76 | EN1 | (AD2)PA2 | 76 | EN1 | (AD2)PA2 |
| 77 | LCD D4 | (AD1)PA1 | 77 | LCD D4 | (AD1)PA1 |
| 78 | D22 | (AD0)PA0 | 78 | D22 | (AD0)PA0 |
| 26 | D13 | (OC0A/OC1C/PCINT7)PB7 | 26 | D13 | (OC0A/OC1C/PCINT7)PB7 |
| 25 | D11 | (OC1B/PCINT6)PB6 | 25 | D11 | (OC1B/PCINT6)PB6 |
| 24 | D11 | (OC1A/PCINT5)PB5 | 24 | D11 | (OC1A/PCINT5)PB5 |
| 23 | HEATER E0 | (OC2A/PCINT4)PB4 | 23 | HEATER E0 | (OC2A/PCINT4)PB4 |
| 22 | MISO | (MISO/PCINT3)PB3 | 22 | MISO | (MISO/PCINT3)PB3 |
| 21 | MOSI | (MOSI/PCINT2)PB2 | 21 | MOSI | (MOSI/PCINT2)PB2 |
| 20 | SCK | (SCK/PCINT1)PB1 | 20 | SCK | (SCK/PCINT1)PB1 |
| 19 | SD_SS | (SS/PCINT0)PB0 | 19 | SD_SS | (SS/PCINT0)PB0 |
| 60 | EN2 | (A15)PC7 | 60 | EN2 | (A15)PC7 |
| 59 | BTN_EN1 | (A14)PC6 | 59 | BTN_EN1 | (A14)PC6 |
| 58 | D32 | (A13)PC5 | 58 | D32 | (A13)PC5 |
| 57 | BTN_EN2 | (A12)PC4 | 57 | BTN_EN2 | (A12)PC4 |
| 56 | DIR2 | (A11)PC3 | 56 | DIR2 | (A11)PC3 |
| 55 | BTN_ENC | (A10)PC2 | 55 | BTN_ENC | (A10)PC2 |
| 54 | STEP2 | (A9)PC1 | 54 | STEP2 | (A9)PC1 |
| 53 | BEEPER | (A8)PC0 | 53 | BEEPER | (A8)PC0 |
| 50 | EN3 | (T0)PD7 | 50 | EN3 | (T0)PD7 |
| 49 | D11 | (T1)PD6 | 49 | D11 | (T1)PD6 |
| 48 | D11 | (XCK1)PD5 | 48 | D11 | (XCK1)PD5 |
| 47 | D11 | (ICP1)PD4 | 47 | D11 | (ICP1)PD4 |
| 46 | Z-MIN | (TXD1/INT3)PD3 | 46 | Z-MIN | (TXD1/INT3)PD3 |
| 45 | Z-MAX | (RXD1/INT2)PD2 | 45 | Z-MAX | (RXD1/INT2)PD2 |
| 44 | SDA | (SDA/INT1)PD1 | 44 | SDA | (SDA/INT1)PD1 |
| 43 | SCL | (SCL/INT0)PD0 | 43 | SCL | (SCL/INT0)PD0 |
| 9 | LCD_RS0 | (CLK0/ICP3/INT7)PE7 | 9 | LCD_RS0 | (CLK0/ICP3/INT7)PE7 |
| 8 | LCD_EN0 | (T3/INT6)PE6 | 8 | LCD_EN0 | (T3/INT6)PE6 |
| 7 | X-MIN | (OC3C/INT5)PE5 | 7 | X-MIN | (OC3C/INT5)PE5 |
| 6 | X-MAX | (OC3B/INT4)PE4 | 6 | X-MAX | (OC3B/INT4)PE4 |
| 5 | D5 | (OC3A/AIN1)PE3 | 5 | D5 | (OC3A/AIN1)PE3 |
| 4 | TXD0 | (XCK0/AINO)PE2 | 4 | TXD0 | (XCK0/AINO)PE2 |
| 3 | RXD0 | (TXD0)PE1 | 3 | RXD0 | (TXD0)PE1 |
| 2 | RXD0 | (RXD0/PCINT8)PE0 | 2 | RXD0 | (RXD0/PCINT8)PE0 |
| 90 | DIR4 | (ADC7/TDI)PF7 | 90 | DIR4 | (ADC7/TDI)PF7 |
| 91 | STEP4 | (ADC6/TDO)PF6 | 91 | STEP4 | (ADC6/TDO)PF6 |
| 92 | A5 | (ADC5/TMS)PF5 | 92 | A5 | (ADC5/TMS)PF5 |
| 93 | A4 | (ADC4/TCK)PF4 | 93 | A4 | (ADC4/TCK)PF4 |
| 94 | A3 | (ADC3)PF3 | 94 | A3 | (ADC3)PF3 |
| 95 | EN4 | (ADC2)PF2 | 95 | EN4 | (ADC2)PF2 |
| 96 | DIR3 | (ADC1)PF1 | 96 | DIR3 | (ADC1)PF1 |
| 97 | STEP3 | (ADC0)PF0 | 97 | STEP3 | (ADC0)PF0 |
| 1 | D4 | (OC0B)PG5 | 1 | D4 | (OC0B)PG5 |
| 29 | D11 | (TOSC1)PG4 | 29 | D11 | (TOSC1)PG4 |
| 28 | D11 | (TOSC2)PG3 | 28 | D11 | (TOSC2)PG3 |
| 70 | D11 | (ALE)PG2 | 70 | D11 | (ALE)PG2 |
| 52 | D40 | (RD)PG1 | 52 | D40 | (RD)PG1 |
| 51 | KILL | (WR)PG0 | 51 | KILL | (WR)PG0 |





















