|  |  |  |  |
| --- | --- | --- | --- |
| AVR Pins (top and bottom row) | | Input/Output Device Pins (middle row) | |
| Port Group | **Pin** | **Port Group** | **Pin** |
| PORT F | PF0 | LCD DATA | D0 |
| PORT F | PF1 | LCD DATA | D1 |
| PORT F | PF2 | LCD DATA | D2 |
| PORT F | PF3 | LCD DATA | D3 |
| PORT F | PF4 | LCD DATA | D4 |
| PORT F | PF5 | LCD DATA | D5 |
| PORT F | PF6 | LCD DATA | D6 |
| PORT F | PF7 | LCD DATA | D7 |
| PORT E | PE6 | MOTOR JUMPER | JP91 |
| PORT D | +5V | MOTOR | OpE |
| PORT D | OpO | MOTOR | TDX2 |
| PORT D | RDX3 | PUSH BUTTON | PB01 |
| PORT D | RDX4 | PUSH BUTTON | PB00 |
| PORT A | PA4 | LCD CTRL | BE |
| PORT A | PA5 | LCD CTRL | RW |
| PORT A | PA6 | LCD CTRL | E |
| PORT A | PA7 | LCD CTRL | RS |
| PORT C | PC0 | LED BAR | LED2 |
| PORT C | PC1 | LED BAR | LED3 |
| PORT C | PC2 | LED BAR | LED4 |
| PORT C | PC3 | LED BAR | LED5 |
| PORT C | PC4 | LED BAR | LED6 |
| PORT C | PC5 | LED BAR | LED7 |
| PORT C | PC6 | LED BAR | LED8 |
| PORT C | PC7 | LED BAR | LED9 |
| PORT G | PG2 | LED BAR | LED0 |
| PORT L | PL0 | KEYPAD | C3 |
| PORT L | PL1 | KEYPAD | C2 |
| PORT L | PL2 | KEYPAD | C1 |
| PORT L | PL3 | KEYPAD | C0 |
| PORT L | PL4 | KEYPAD | R3 |
| PORT L | PL5 | KEYPAD | R2 |
| PORT L | PL6 | KEYPAD | R1 |
| PORT L | PL7 | KEYPAD | R0 |
| PORT B | PB0 | SPEAKER | Red Wire |