**Put Your Game Number Here**

**Wiring Tables**

Projects (in order):

Boards:

1. Arduino MultiInterface Board
2. Stepper Expansion

|  |  |
| --- | --- |
| **Board Type:** Arduino MultiInterface Board #1 | |
|  | |
| **Port** | **Connection** |
| Driver voltage | +12 |
| Stepper voltage | +24 |
| I2C Power | Open |
|  |  |
| Expansion A |  |
| Expansion B |  |
|  |  |
| Stepper 1 |  |
| Stepper 2 |  |
|  |  |
| I2C |  |
|  |  |
| Driver 1 (\*D10) |  |
| Driver 2 (\*D9) |  |
| Driver 3 (\*D3) |  |
| Driver 4 (\*D4) |  |
|  |  |
| \*D8 |  |
| D23 |  |
| D24 |  |
| D25 |  |
| D26 |  |
| D27 |  |
| D28 |  |
| D29 |  |
|  |  |
| D54/A0 |  |
| D55/A1 |  |
| D56/A2 |  |
| D57/A3 |  |
| D58/A4 |  |
| D59/A5 |  |
| D60/A6 |  |
| D61/A7 |  |
|  |  |

// DELETE THIS IF YOU DON’T HAVE A STEPPER EXPANSION BOARD

|  |  |
| --- | --- |
| **Board Type:** Stepper Expansion # 1 | |
|  | |
| **Port** | **Connection** |
| Voltage | +24 |
|  |  |
| Expansion A | Arduino MultiInterface Board #1, A |
| Expansion B | Arduino MultiInterface Board #1, B |
|  |  |
| Stepper 3 (A1) |  |
| Stepper 4 (A2) |  |
| Stepper 5 (B1) |  |
| Stepper 6 (B2) |  |

// DELETE THESE IF YOU DON’T HAVE SOLENOID EXPANSION BOARDS

|  |  |
| --- | --- |
| **Board Type:** Solenoid Driver Board - AMIB #1 Expansion Connector A | |
|  | |
| **Port** | **Connection** |
| Voltage | +12 |
| Expansion | AMIB 1 Expansion A |
| P7 (D62) | Q0 - Persistence\_LED\_1\_Red |
| P8 (\*D45) | Q1 - Persistence\_LED\_2\_Red |
| P9 (D63) | Q2 - Persistence\_LED\_3\_Red |
| P10 (\*D44) | Q3 - Persistence\_LED\_1\_Blue |
| P15 (D64) | Q4 - Persistence\_LED\_2\_Blue |
| P16 (\*D2) | Q5 - Persistence\_LED\_3\_Blue |
| P17 (D65) | Q6 - Persistence\_LED\_1\_Green |
| P18 (\*D5) | Q7 - Persistence\_LED\_2\_Green |

|  |  |
| --- | --- |
| **Board Type:** Solenoid Driver Board - AMIB #1 Expansion Connector B | |
|  | |
| **Port** | **Connection** |
| Voltage | +12 |
| Expansion | AMIB 1 Expansion B |
| P7 (D19) | Q0 - Persistence\_LED\_1\_Red |
| P8 (\*D6) | Q1 - Persistence\_LED\_2\_Red |
| P9 (D18) | Q2 - Persistence\_LED\_3\_Red |
| P10 (\*D7) | Q3 - Persistence\_LED\_1\_Blue |
| P15 (D15) | Q4 - Persistence\_LED\_2\_Blue |
| P16 (D\*11) | Q5 - Persistence\_LED\_3\_Blue |
| P17 (D53) | Q6 - Persistence\_LED\_1\_Green |
| P18 (D\*12) | Q7 - Persistence\_LED\_2\_Green |

Pseudocode: