|  |  |  |  |
| --- | --- | --- | --- |
| Digital/Analog | Pin | Input/Output | Function |
| Analog | 0 | Output | Throttle Left Tail |
| 1 | Output | Throttle Right Tail |
| 2 | Input | Potentiometer Left Tail |
| 3 | Input | Potentiometer Right Tail |
| 4 | SDA | I2C |
| 5 | SCL | I2C |
|  |  |  |  |
| Digital | 0 | Output | LED |
| 1 | Output | LED |
| 2 | Input | Front Stepper Limit Switch |
| 3 | Input | Back Stepper Limit Switch |
| 4 |  |  |
| 5 | Output | Direction Front Stepper |
| 6 | Output | Direction Back Stepper |
| 7 |  |  |
| 8 | Output | Stepper Enable/Disable |
| 9 | Output | Step Front Stepper |
| 10 | Output | Step Back Stepper |
| 11 | Input | Water Sensor Right |
| 12 | Input | Water Sensor Left |
| 13 | Input | Water Sensor Center |

Left and Right are defined as if the fish was oriented facing up on the page