|  |  |
| --- | --- |
| **Driving Board** | **Arduino Pin** |
| IN1 | D5 |
| IN2 | D6 |
| IN3 | D3 |
| IN4 | D4 |
| ENA | D12 |
| ENB | D13 |
| GND | GND |

|  |  |
| --- | --- |
| **Infrared Sensors** | **Arduino Pin** |
| Head | D9 |
| Left | D44 |
| Right | D7 |
| Left Head | D10 |
| Right Head | D22 |
| VCC | +5V |
| GND | GND |

|  |  |
| --- | --- |
| **OpenMv Camera** | **Arduino Pin** |
| P4 | RX1(D19) |
| P5 | TX1(D18) |
| GND | GND |
| VCC | +5V |

|  |  |
| --- | --- |
| **RGB Module** | **Arduino Pin** |
| GND | GND |
| R | D46 |
| G | D47 |
| B | D48 |

Battery Circuit

|  |  |
| --- | --- |
| **12V Chargeable Battery** | **L298N** |
| Positive | 12V In |
| Negative | 12V Out |

|  |  |
| --- | --- |
| **5V Charge Pal** | **Arduino** |
| USB Out | USB In |