| Device Name           | Device Foot Pins |             | Connection  | Connected to the device                      |
|-----------------------|------------------|-------------|-------------|----------------------------------------------|
|                       | Initial          | Destination | Cable Color |                                              |
| Raspberry Pi Pico     | GP1              | ENA         | Brown       | Motor driver L298N                           |
|                       | GP2              | IN1         | Orange      |                                              |
|                       | GP3              | IN2         | Pink        |                                              |
|                       | GP4              | IN3         | Blue        |                                              |
|                       | GP5              | IN4         | Dark Green  |                                              |
|                       | GP6              | ENB         | Purple      |                                              |
|                       | GP38             | GND         | Black       |                                              |
|                       | GP40             | 5V          | Red         |                                              |
|                       | GP7              | R           | Dark Blue   | 3-Channel Infrared Sensor<br>Tracking Module |
|                       | GP8              | С           | Grey        |                                              |
|                       | GP9              | L           | Dark Pink   |                                              |
|                       | 5V               | VCC         | Red         |                                              |
| Motor driver<br>L298N | GND              | GND         | Black       |                                              |
|                       | 12V              | VCC         | Red         | Battery                                      |
|                       | GND              | GND         | Black       |                                              |
|                       | OUT1             | GND         | Black       | Motor DC                                     |
|                       | OUT2             | VCC         | Red         |                                              |
|                       | OUT3             | GND         | Black       |                                              |
|                       | OUT4             | VCC         | Red         |                                              |