

# Microcontrollers and Robotic

## Week 6: Robot Kit Assembly



Fenerbahçe University



## Professor & TAs

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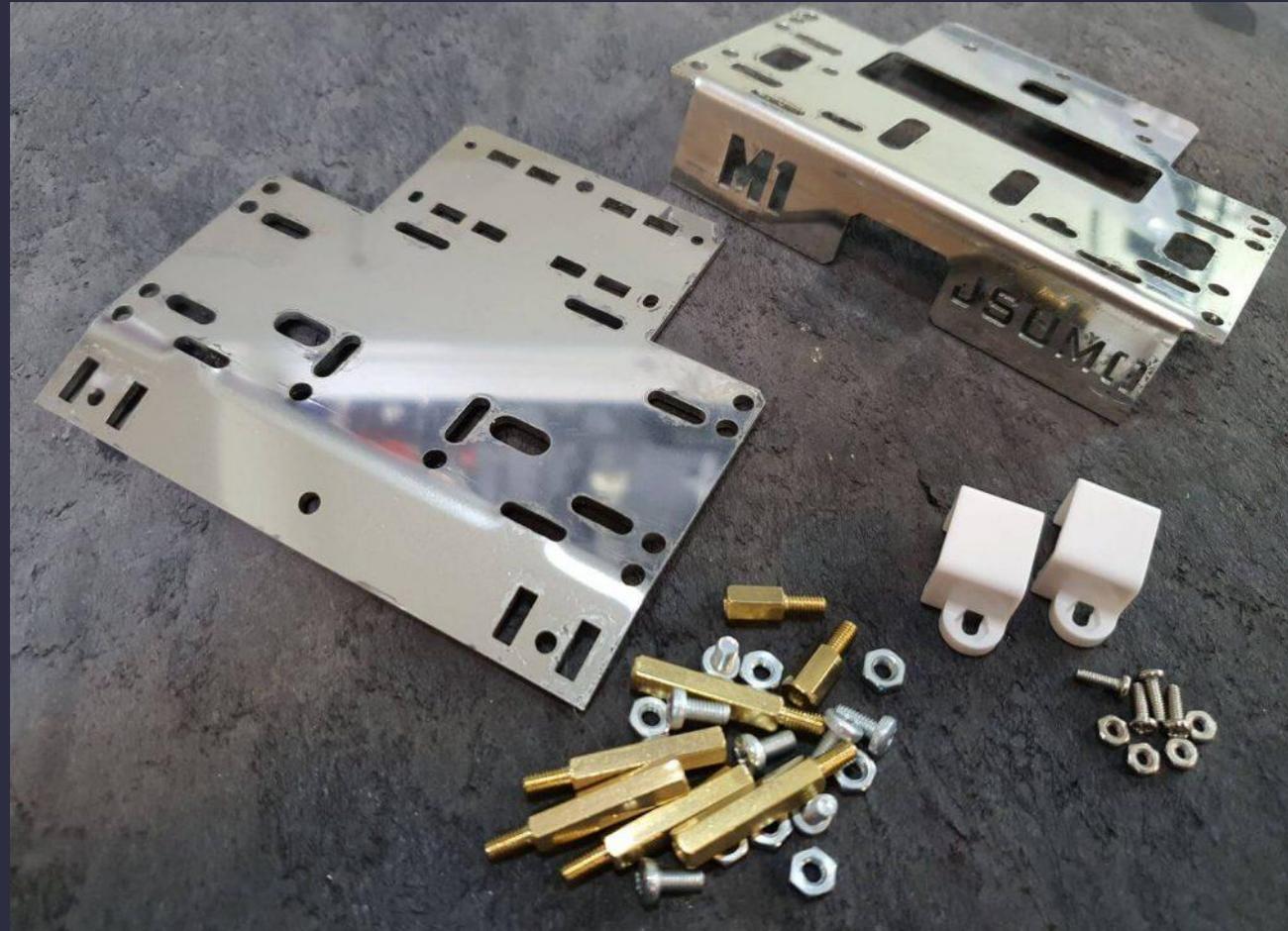
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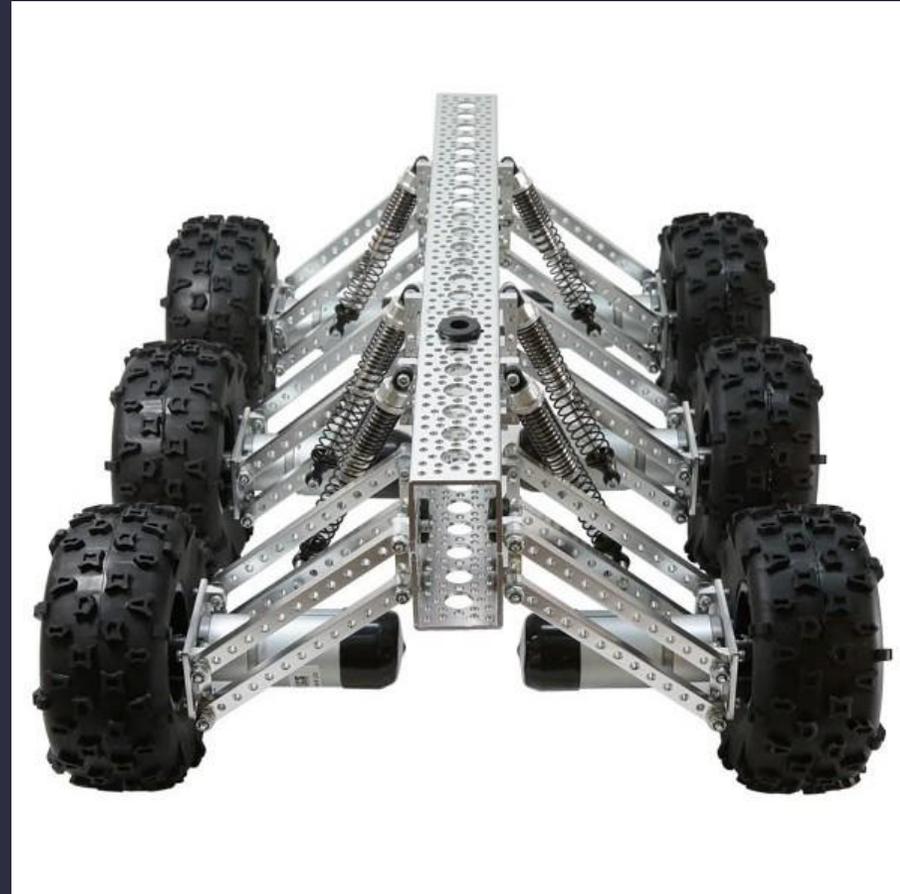
Email: [ugur.ozbalkan@fbu.edu.tr](mailto:ugur.ozbalkan@fbu.edu.tr)

# Robot Assembly



Chasis

# Robot Assembly



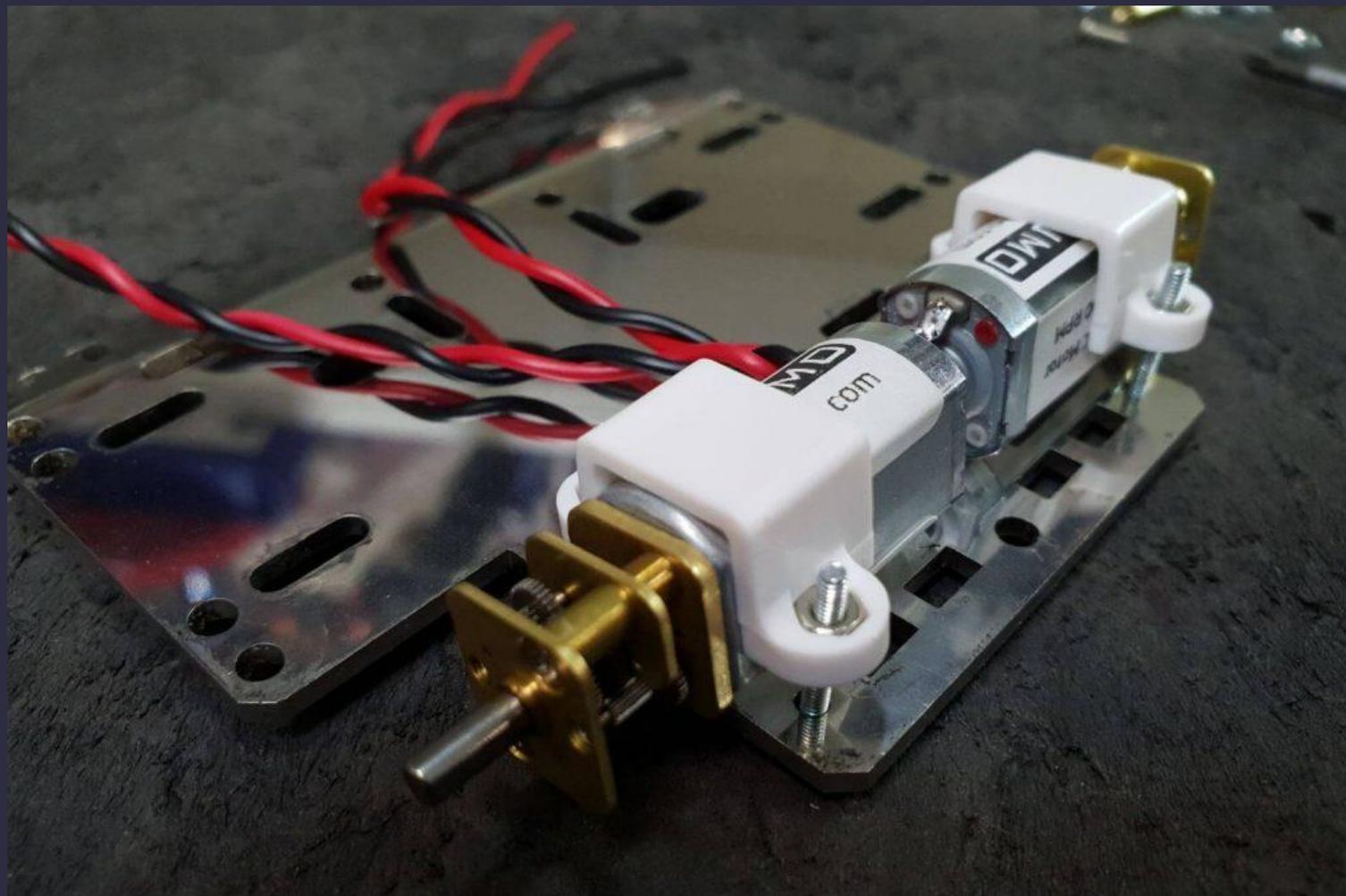
Chasis Examples

# Robot Assembly

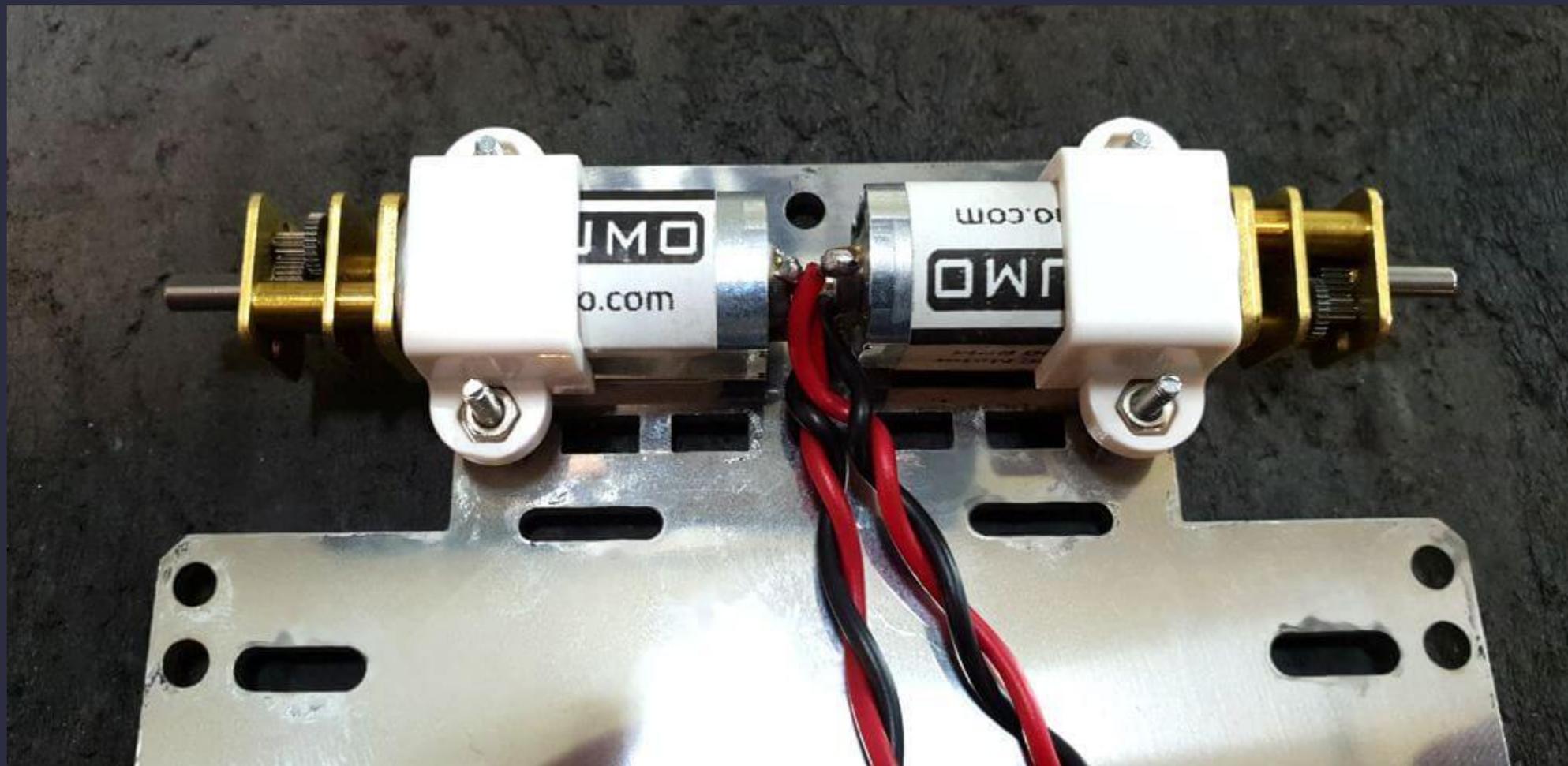


Solder motor DC connections

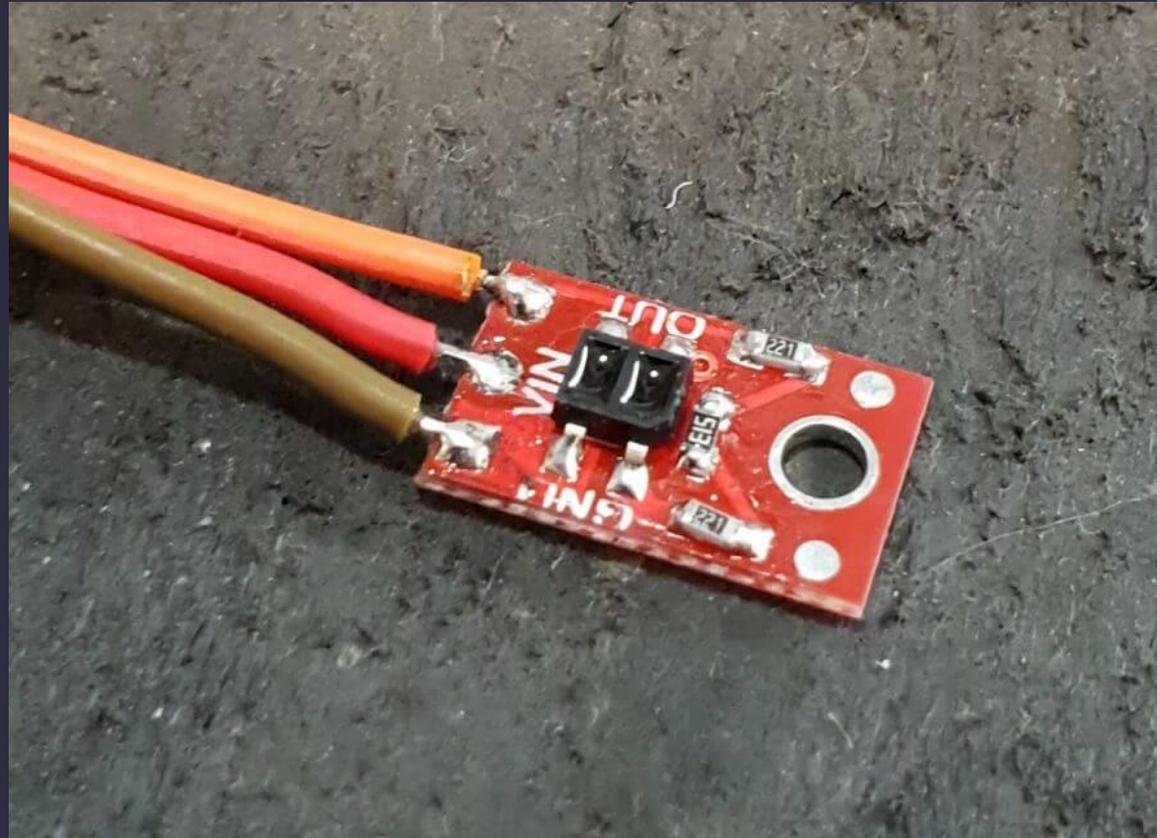
# Robot Assembly



# Robot Assembly

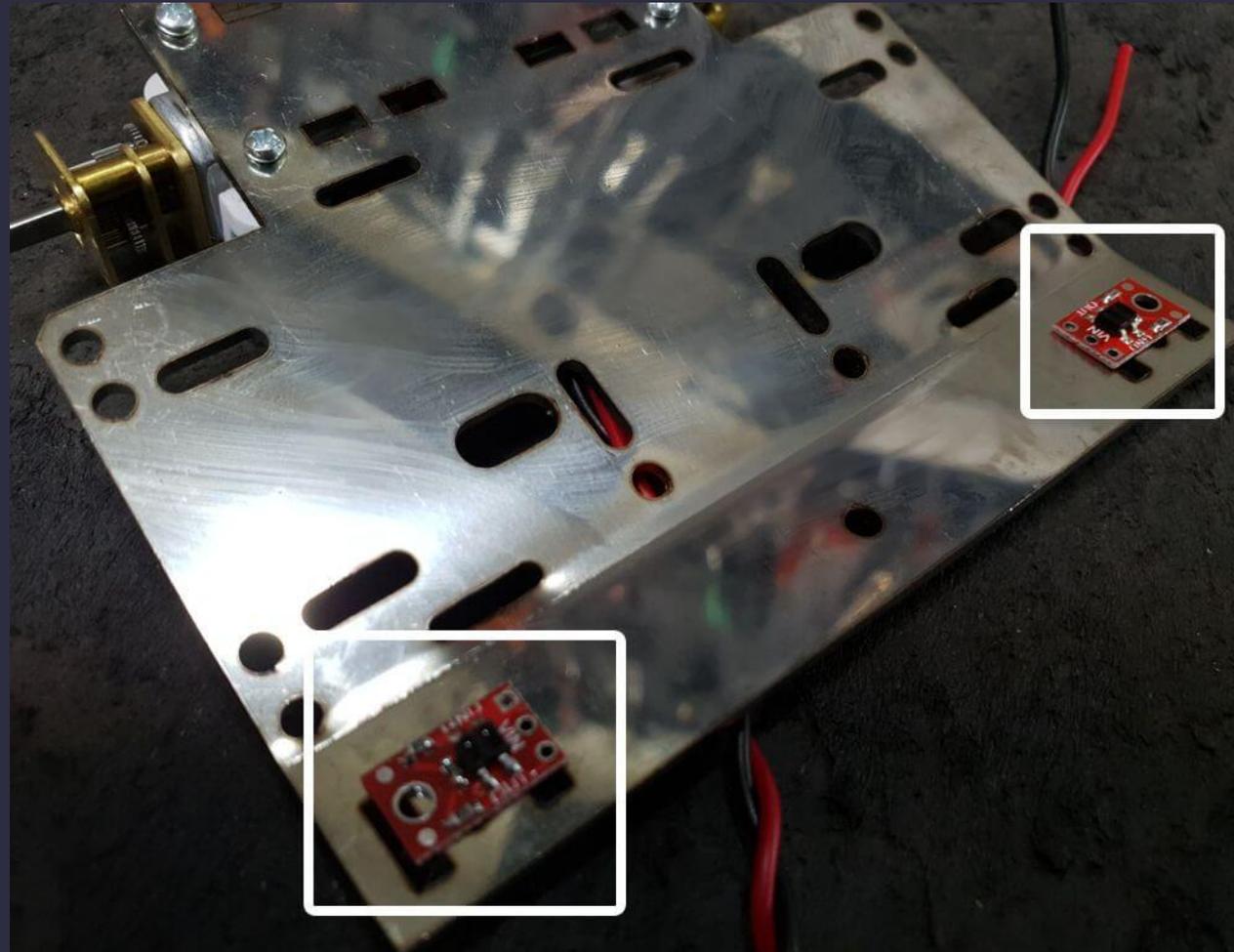


# Robot Assembly



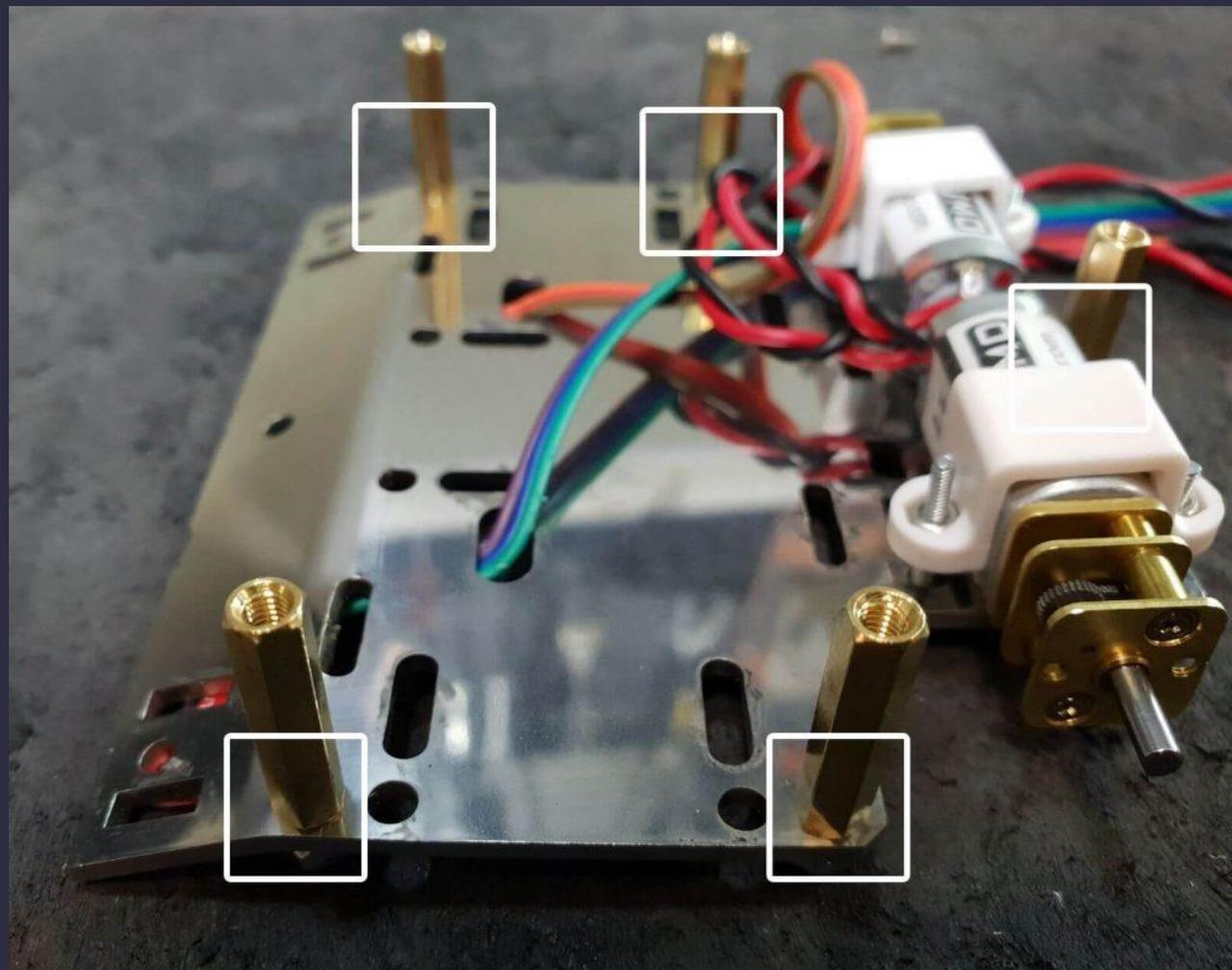
Solder Contrast Sensor

# Robot Assembly

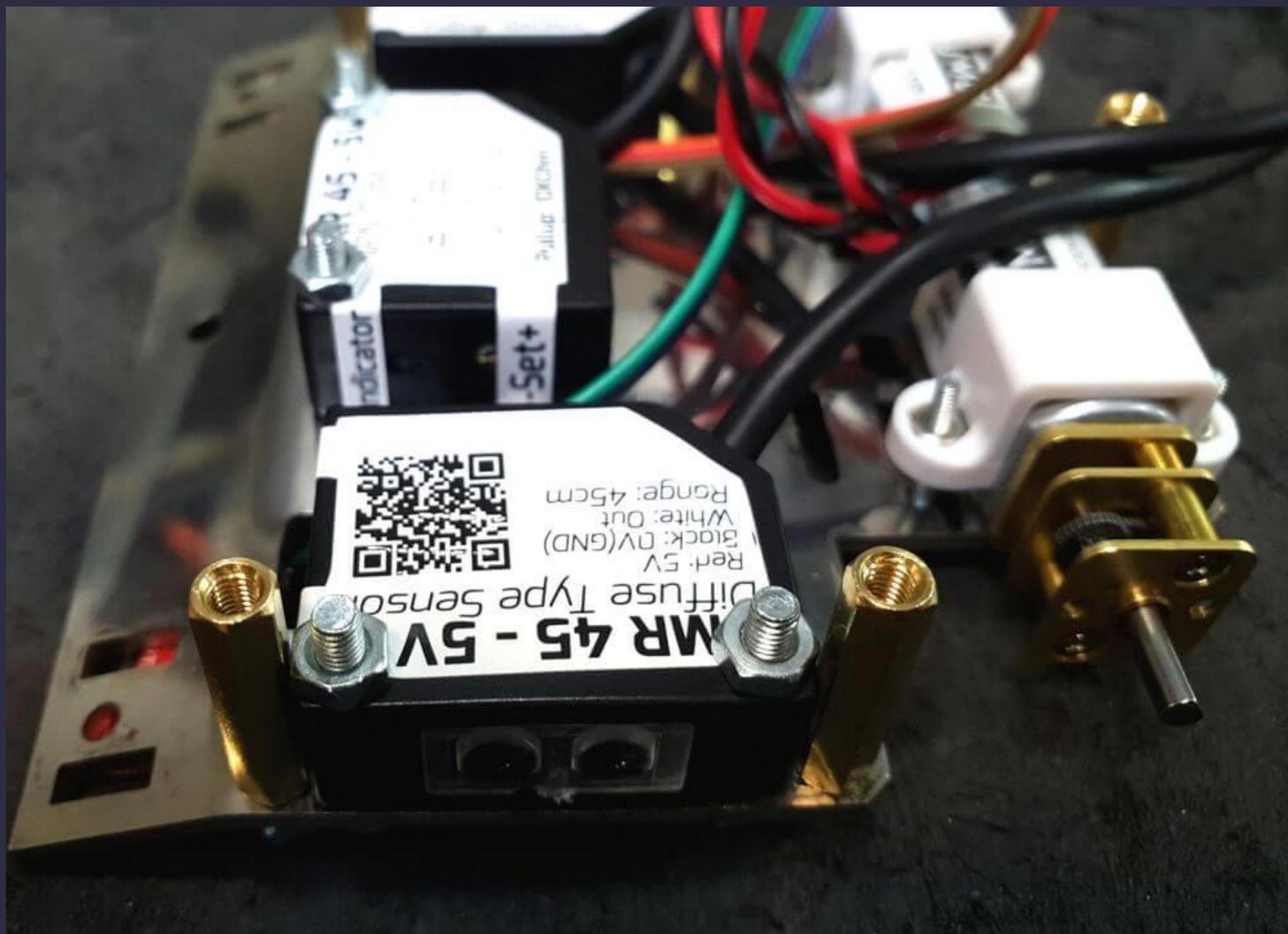


Place contrast sensors to chasis

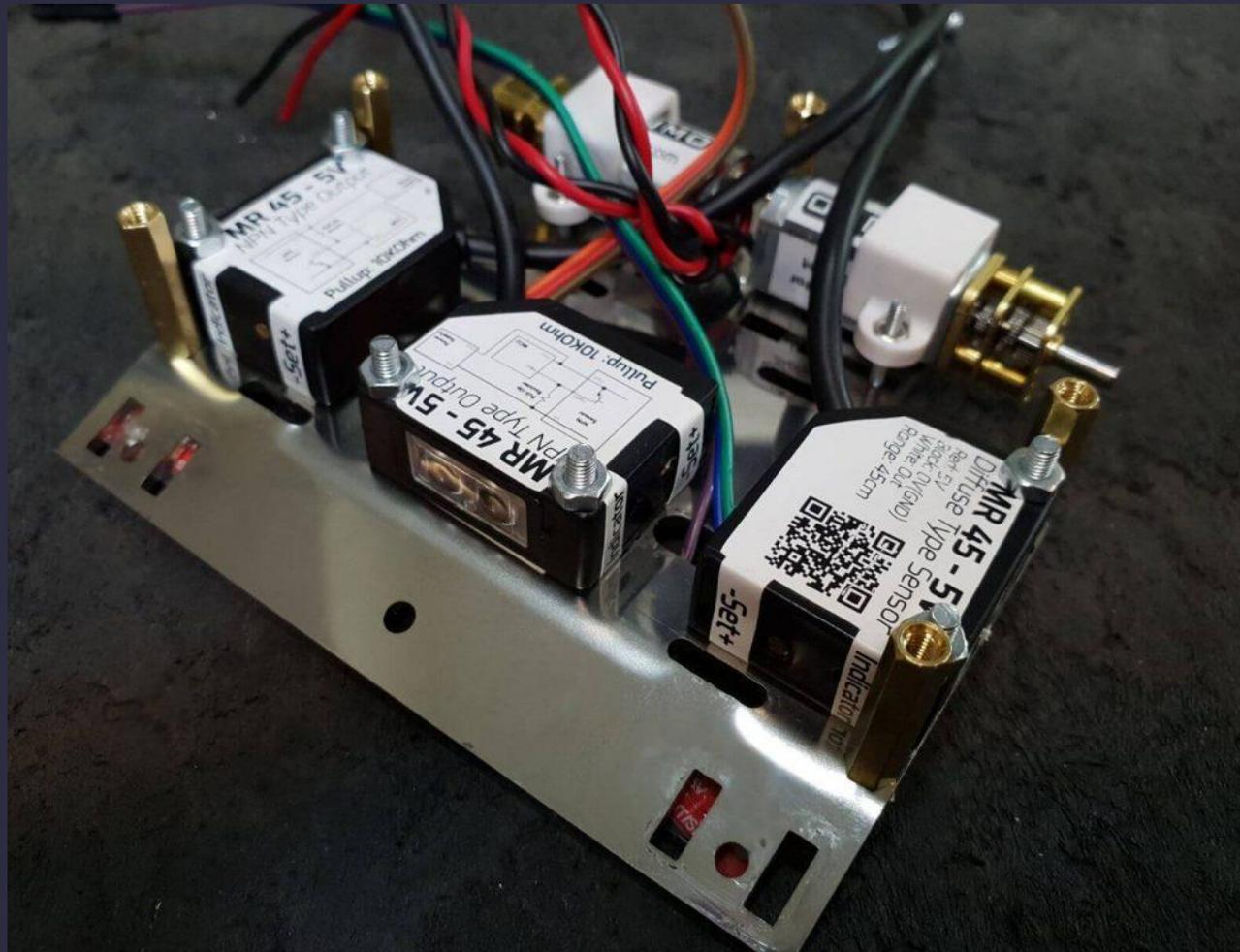
# Robot Assembly



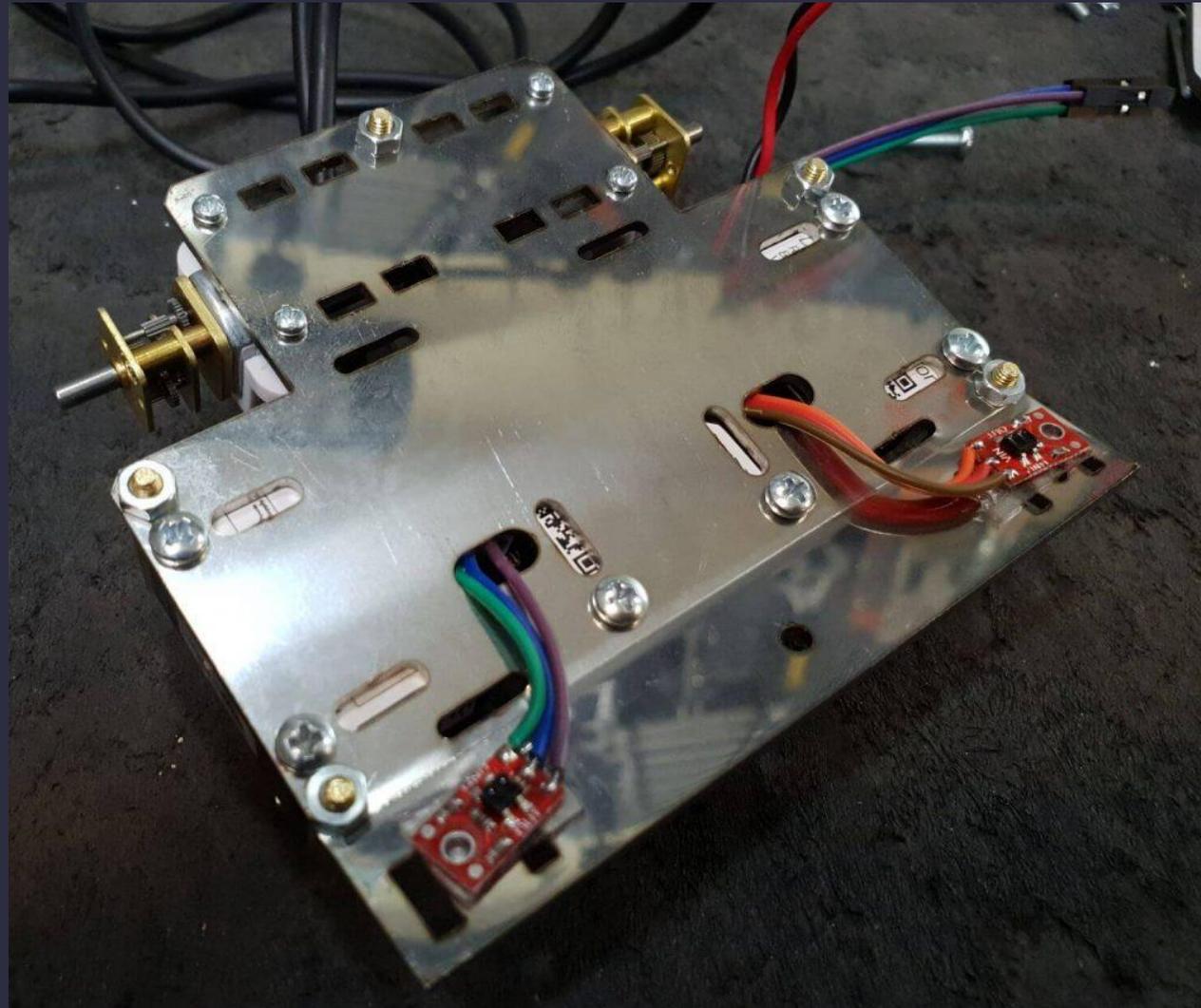
# Robot Assembly



# Robot Assembly



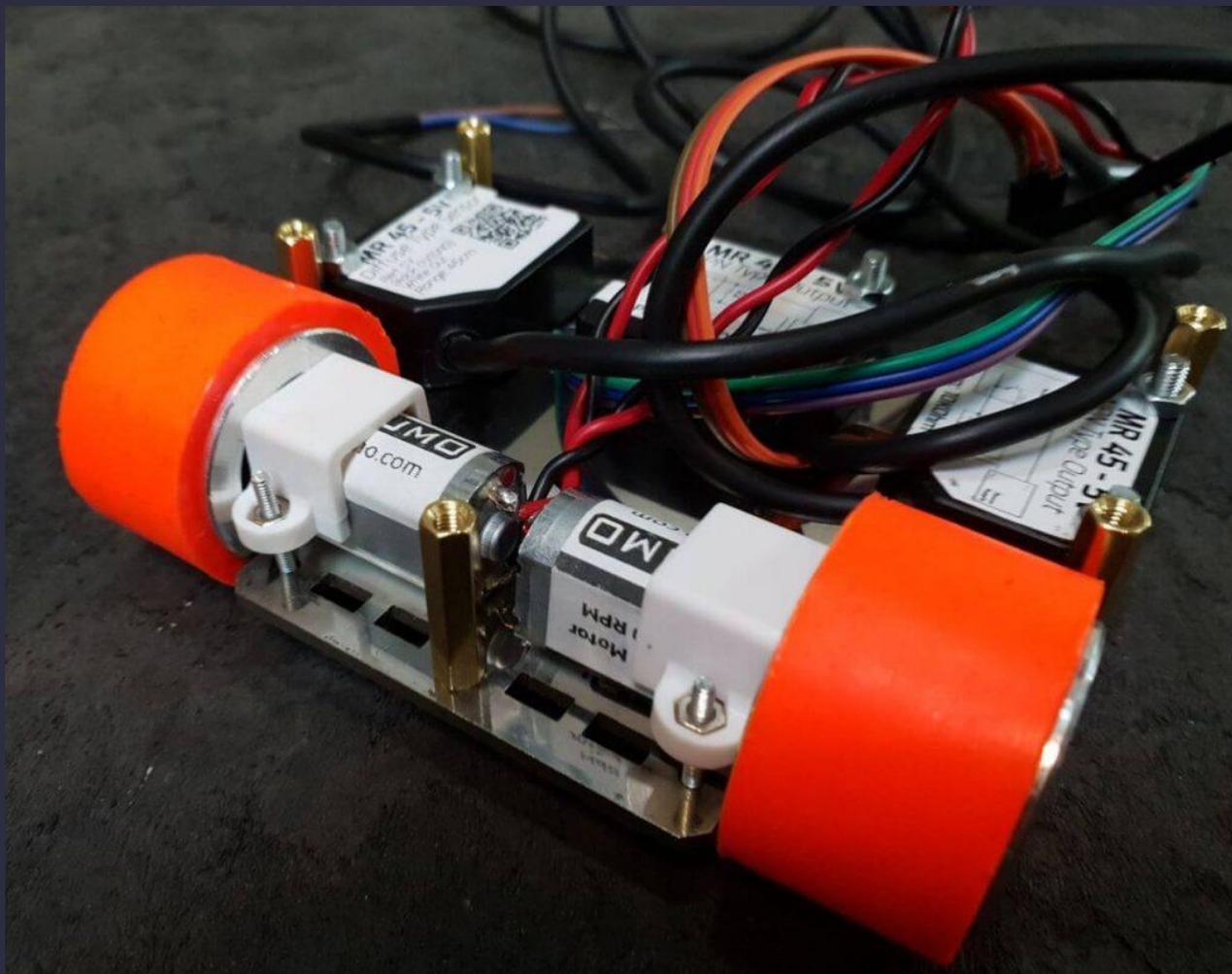
# Robot Assembly



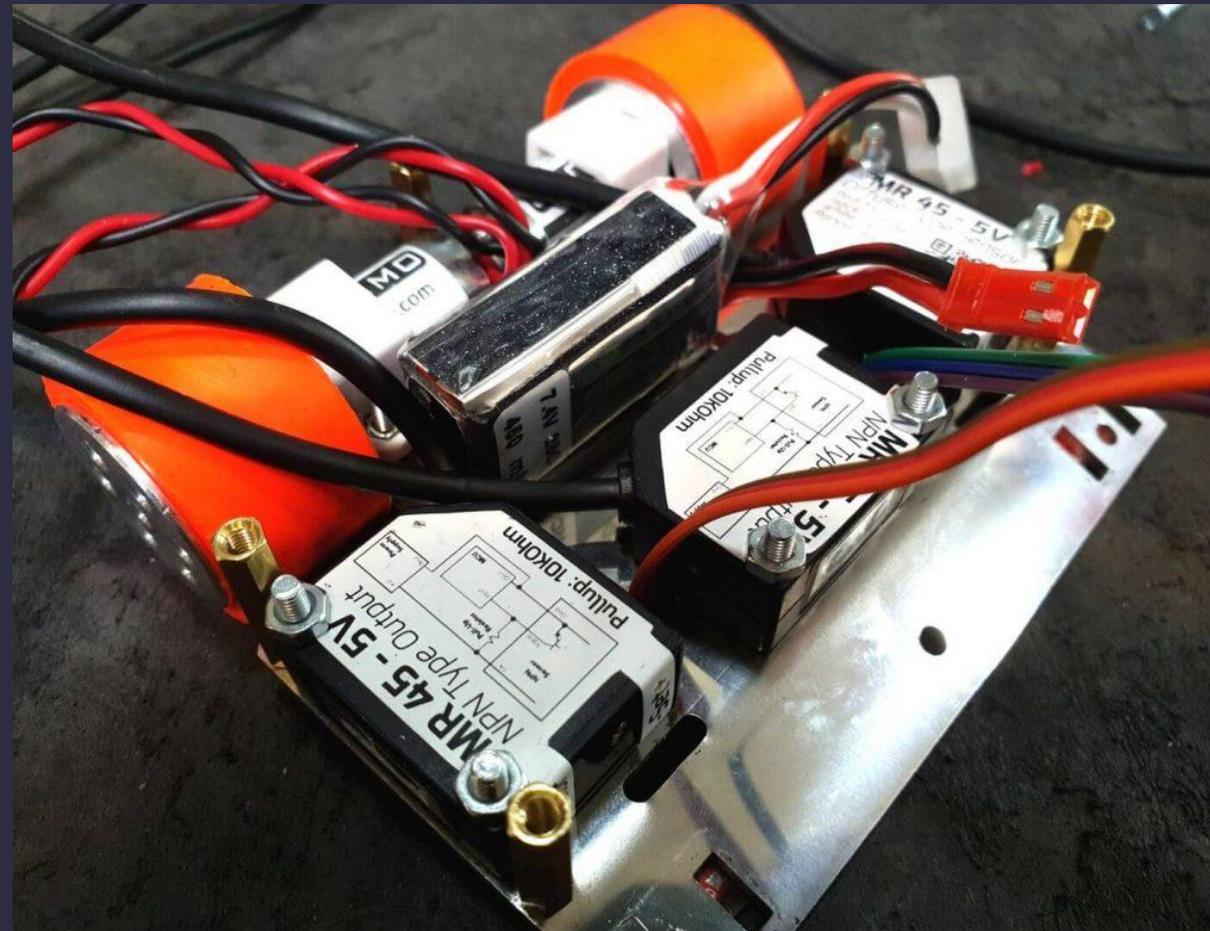
# Robot Assembly



# Robot Assembly

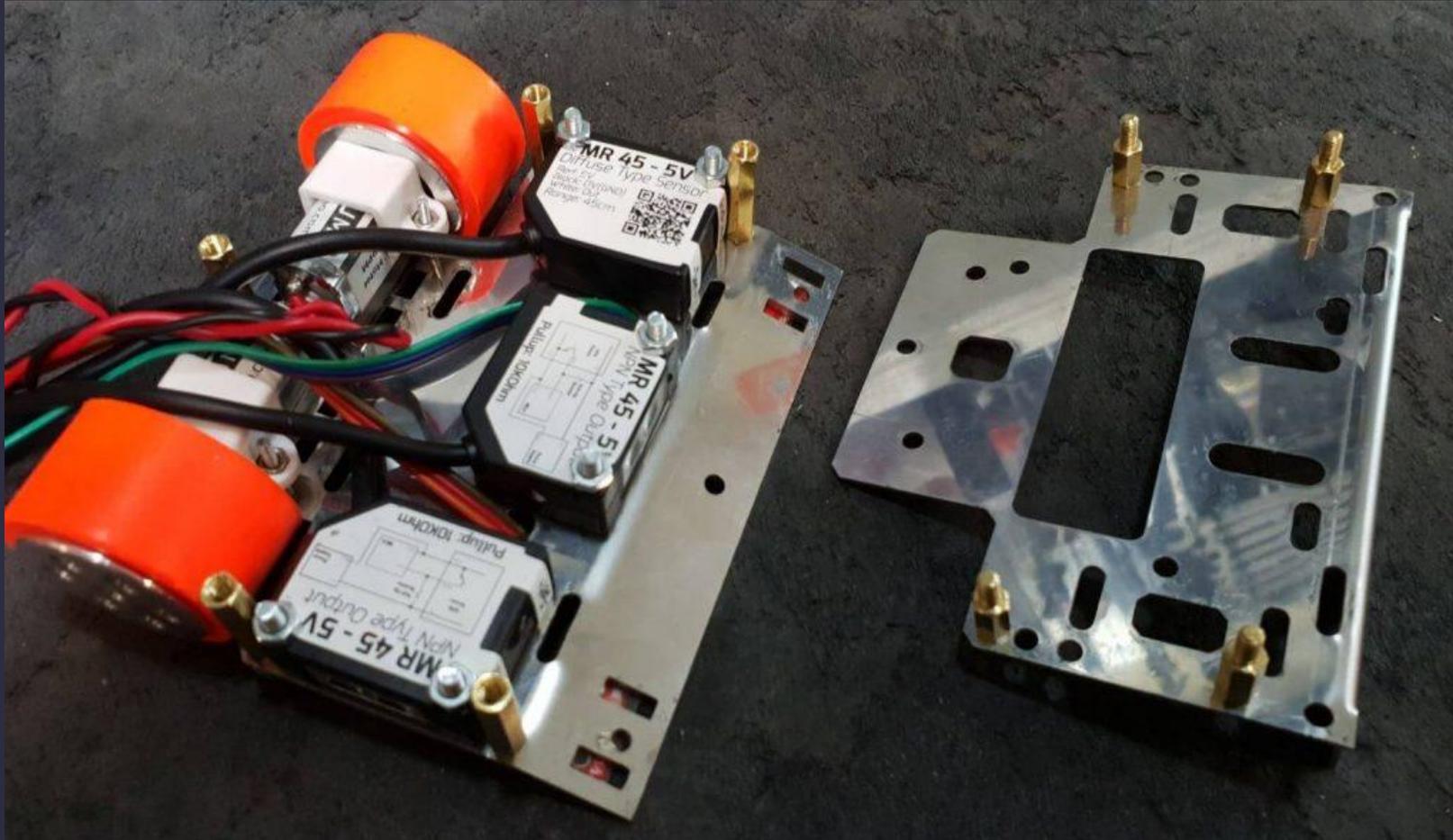


# Robot Assembly



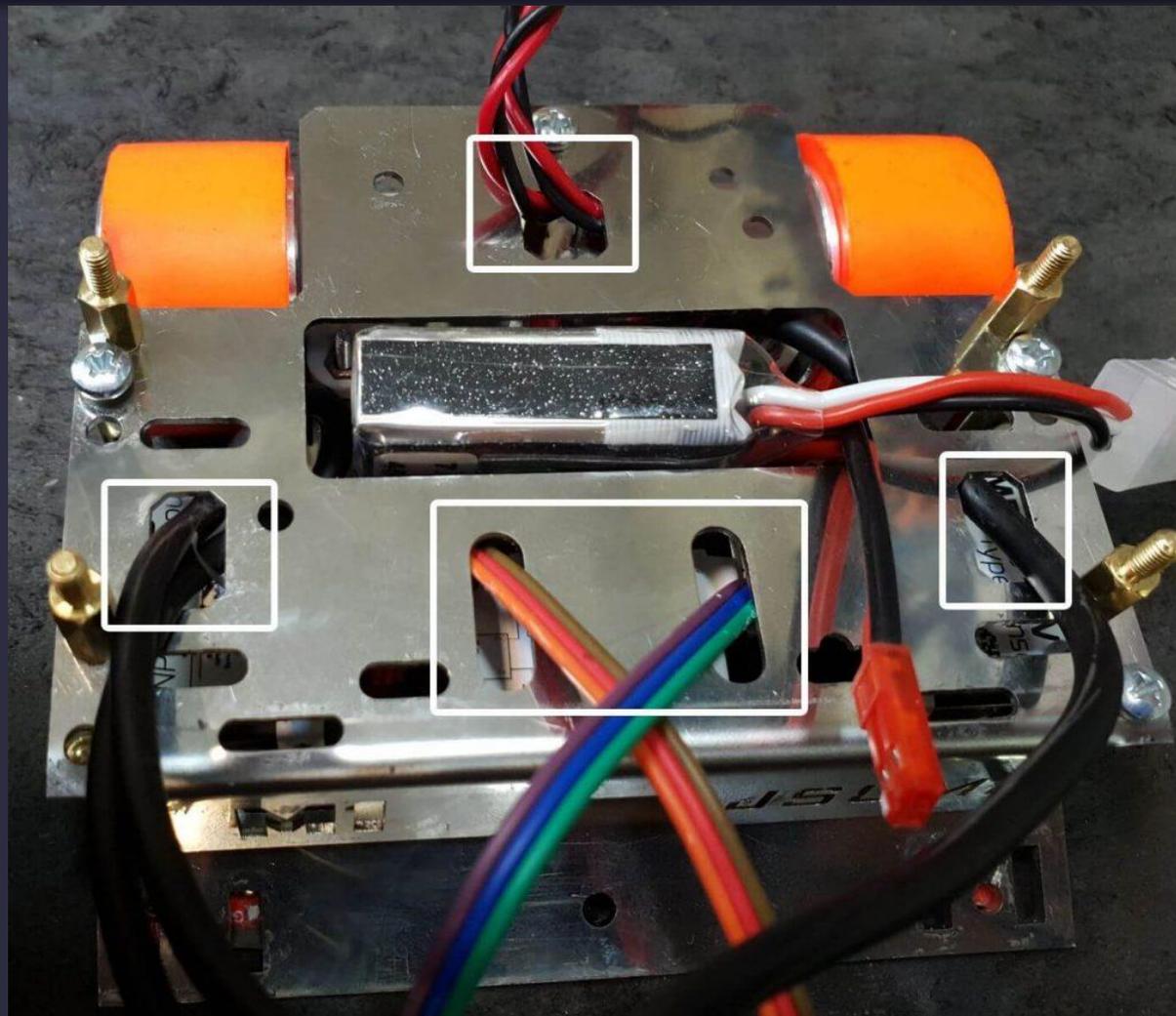
Added LIPO Battery

# Robot Assembly



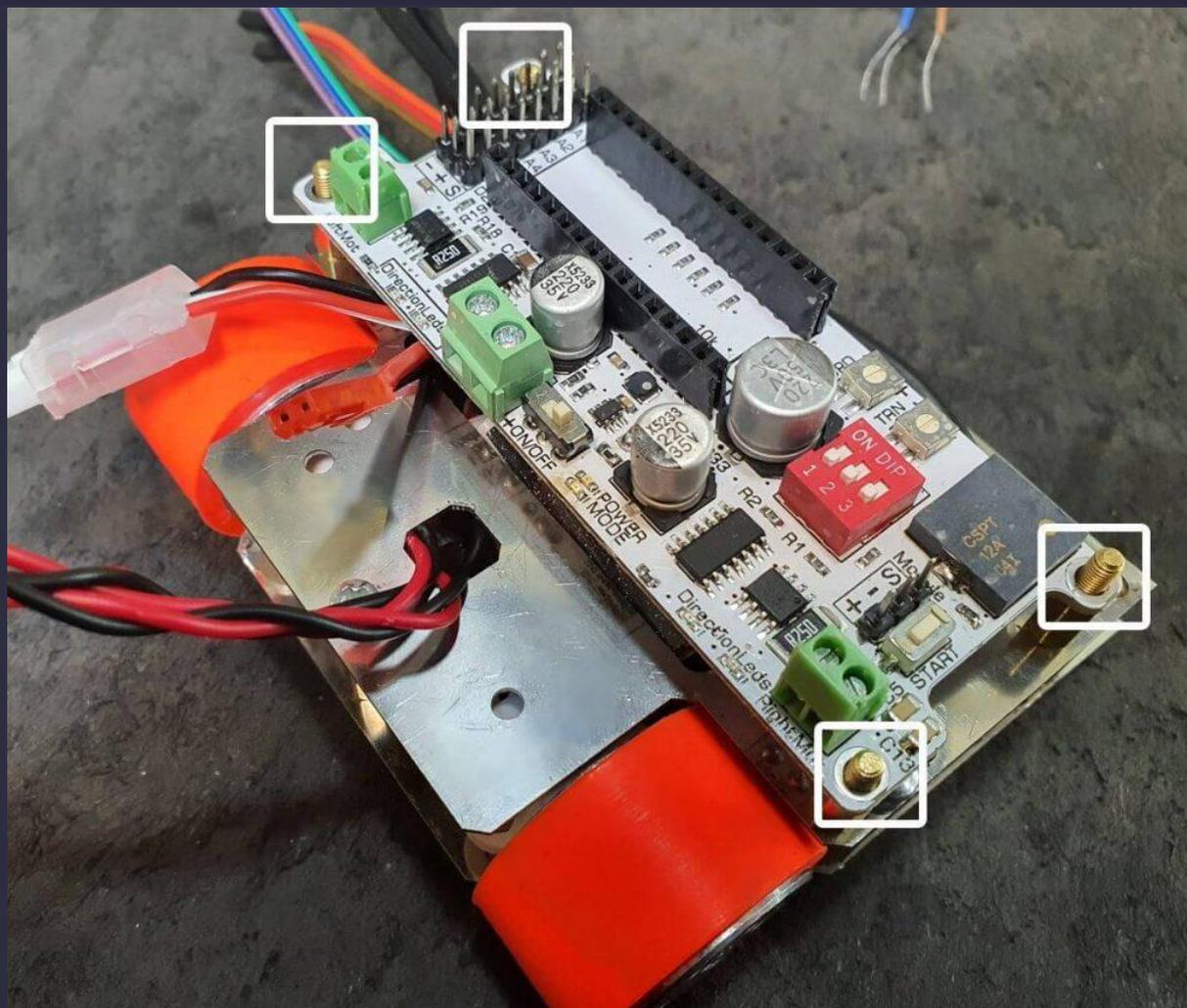
Place Upper Chasis

# Robot Assembly



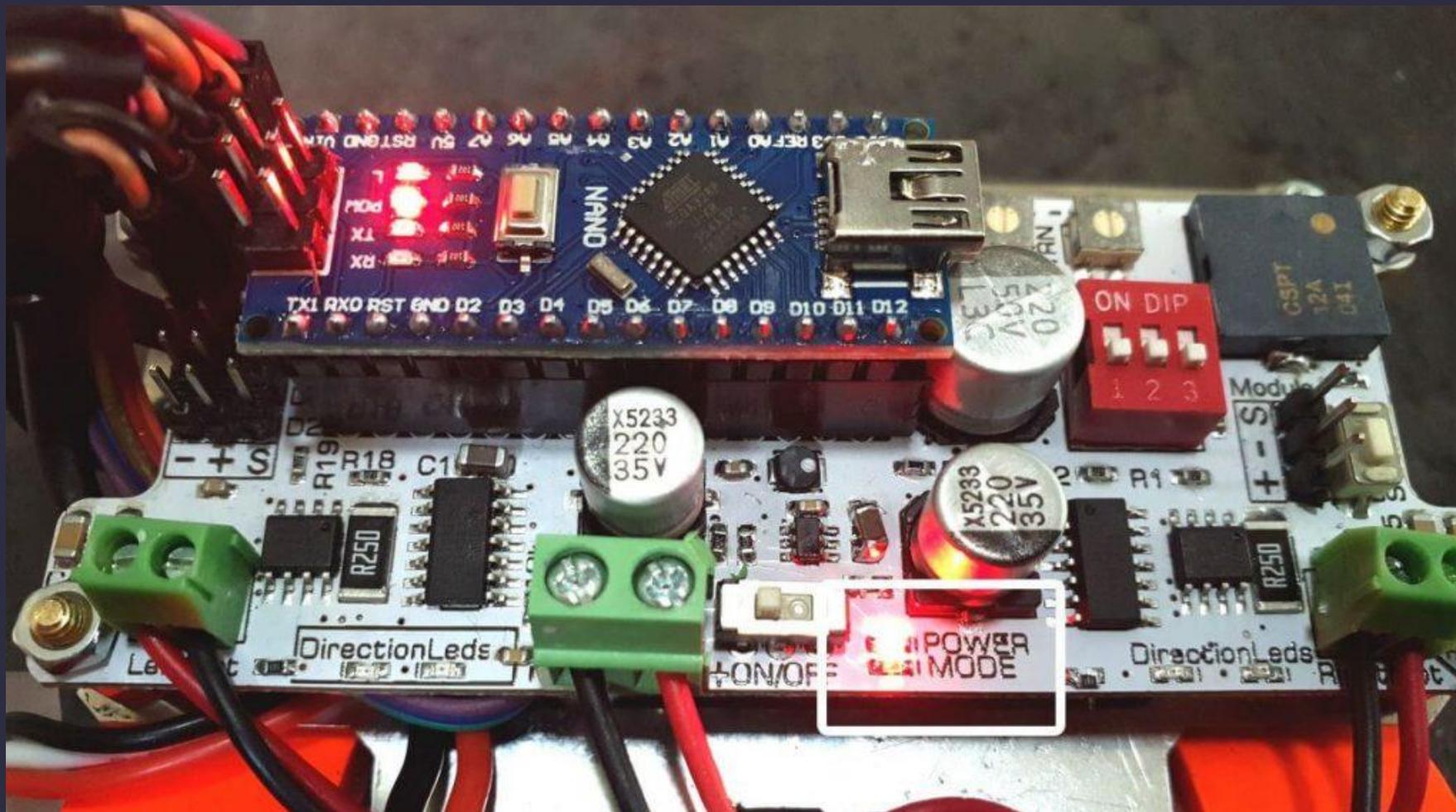
Place Upper Chasis

# Robot Assembly



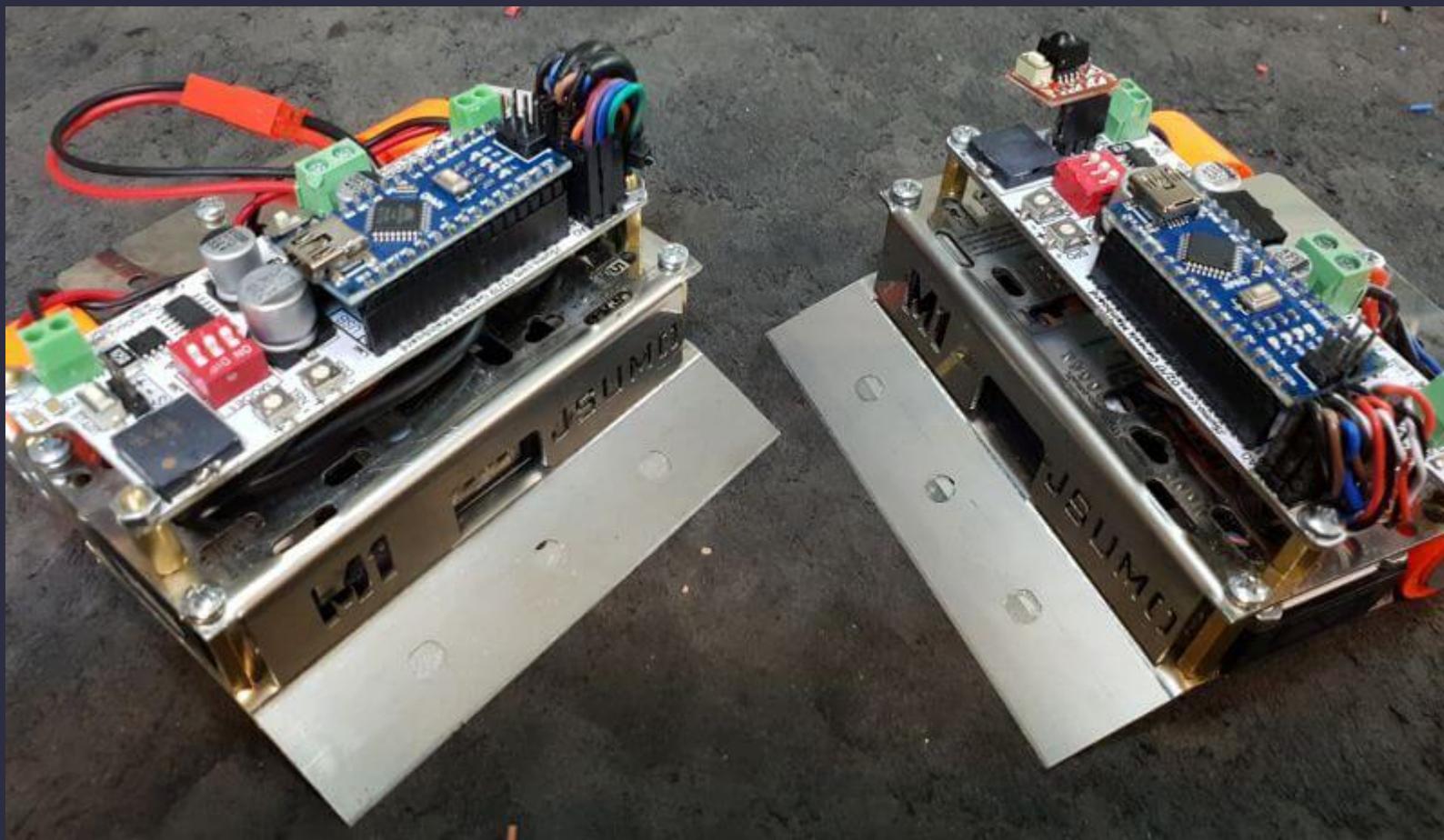
Place Controller Card

# Robot Assembly



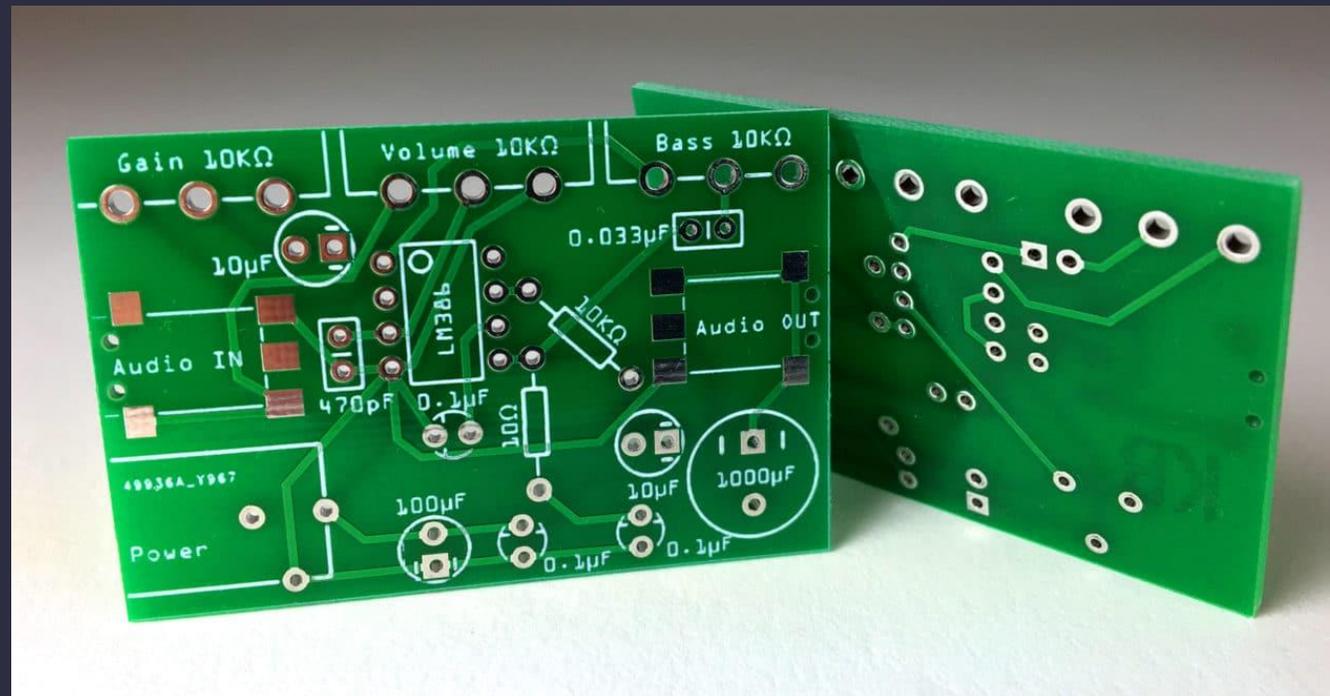
Connect Sensors and Motors

# Robot Assembly



# Robot Assembly

- PCB Design



# Robot Assembly

- Soldering

