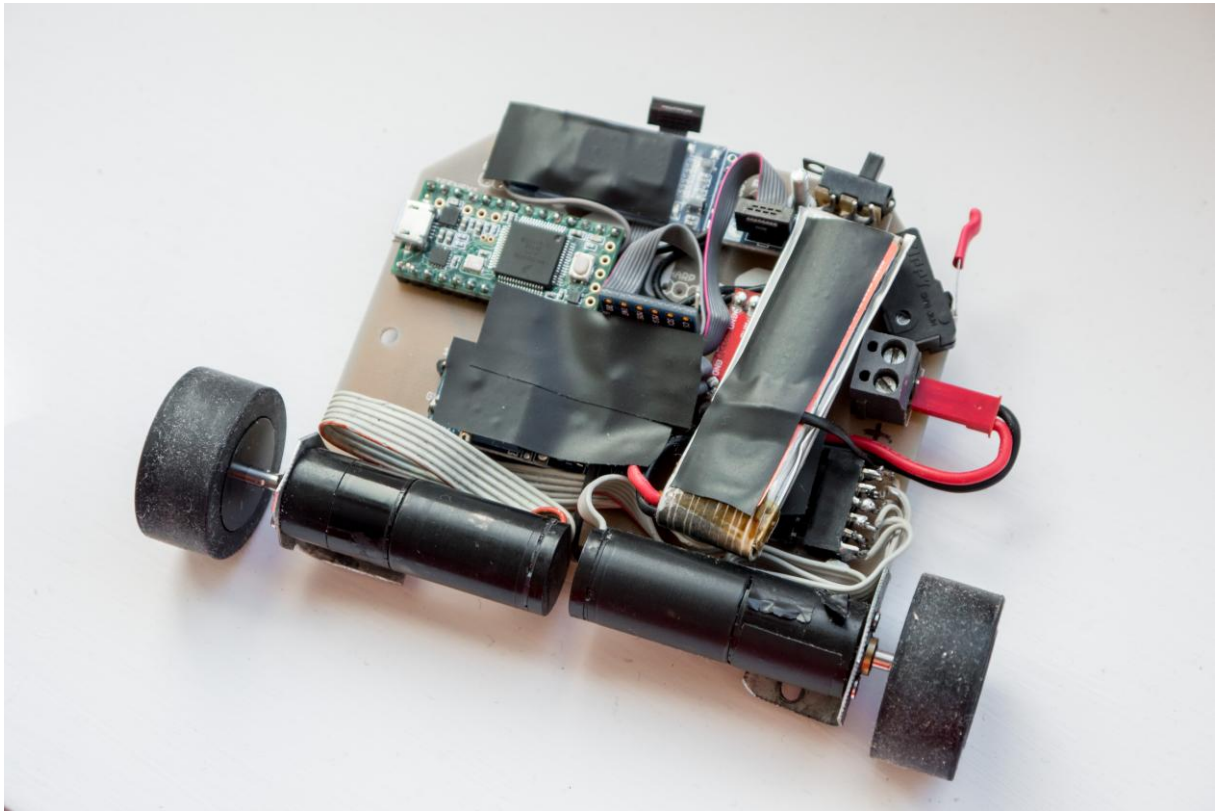


Lenco full description

Photography:



Specification:

- Processor: *Cortex M4, 32-bit, ARM (Teensy 3.2 development board)*
- Frequency: *96 MHz*
- Sensors: *3-axis gyroscopic sensor, 3-axis accelerometer, 3-axis compass, optical linear CCD sensor, 2x magnetic encoders*
- Motors: *2x Faulhaber DC motor 20:1*
- Battery: *1-cell LiPol with DC-DC voltage booster*
- Programming language: *C*

Description:

A small and light segway-balancing robot for the segway category. Uses a 9-axis pose sensor with combined gyroscopic, acceleration and compass sensing for stabilization, quadrature encoders for motor feedback and a linear CCD camera for line sensing. It is based on the Teensy 3.2 USB development board with ARM Cortex M4 based processor and can also use Bluetooth connection.

Schematic:

