Universal Remote Control

For Biorob robots

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Description

- Objectives

    ◦ Being able to control every robot in the lab

    ◦ Being able to flash a robot with the remote control (SD card)

    ◦ Make it more ergonomic

What is already done

▸ Studying the previous remote control

▸ The hardware part :
  ◦ PCB received today
  ◦ Choice of an STM32 instead of a PIC18
  ◦ Two joysticks, six buttons
  ◦ Ability of communicating by Zigbee

What is already done
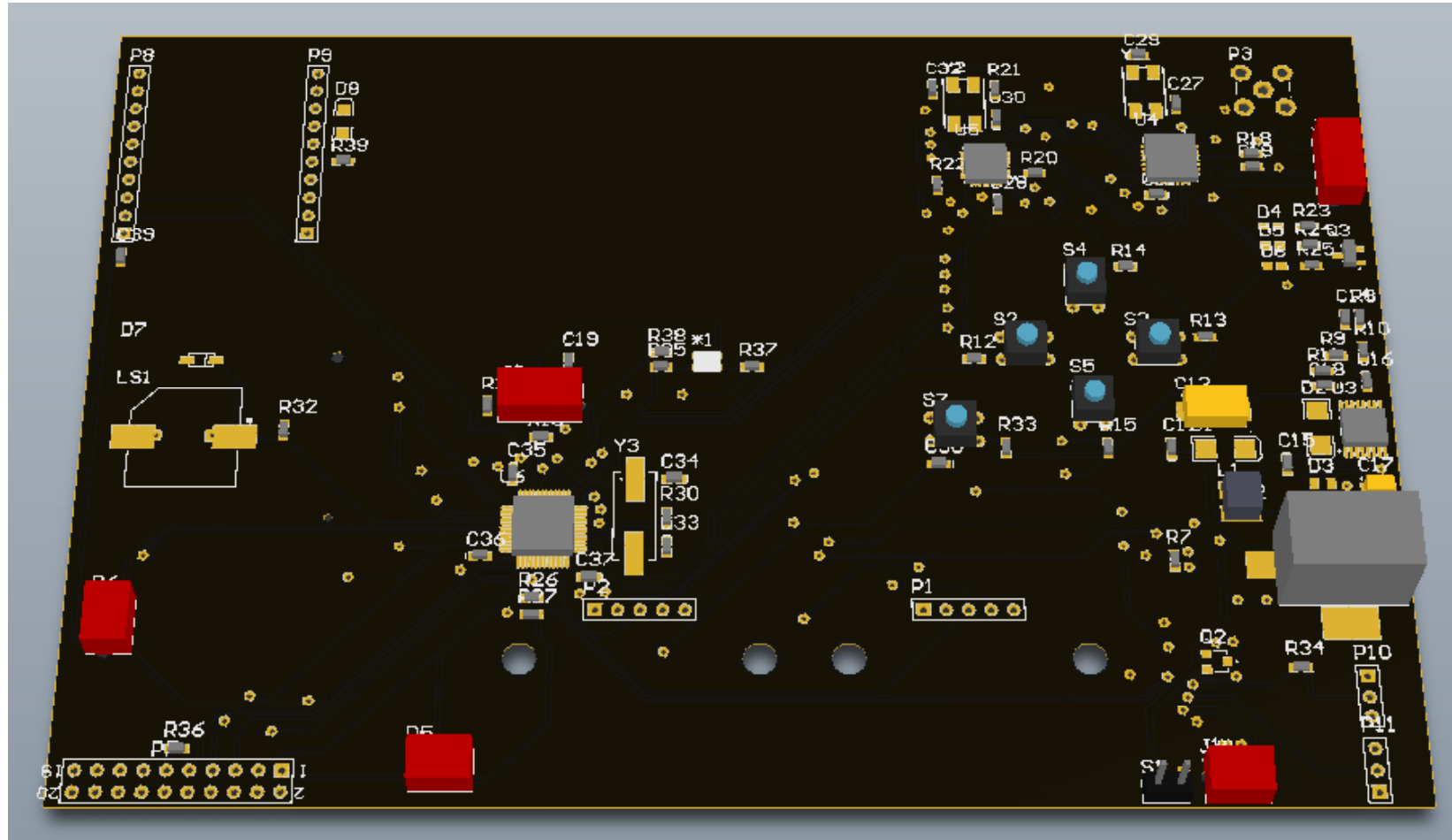
// TODO

- Soldering the components we already have

- Order the missing ones

- Software part (ChibiOS)

- Mechanical integration

- Bonus: WiiMote mode (IMU)

Thank you for your attention!

▸ Do you have any question?