

RELEASED 07-APR-2015

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DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational
design notes.

DESIGN NOTE:
Example text for cautionary
design notes.


DESIGN NOTE:
Example text for debug notes.

DESIGN NOTE:
Example text for critical
design notes.

LAYOUT NOTE:
Example text for critical
layout guidelines.

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REVISION HISTORY

Rev.	Date	Author	Description
1.0P	21/08/2018	PP	Version 1.0: initial prototype (without local iteration, 5 pcs, handled to students as evaluation boards)
1.1	29/10/2018	PP	Version 1.1: first production run (15 pieces)

TODOs, PROPOSALS & IMPROVEMENTS

none at the moment

A P P R O V E D

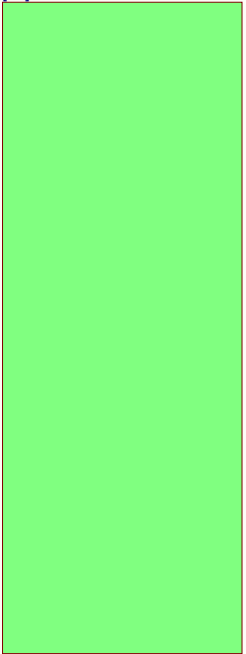
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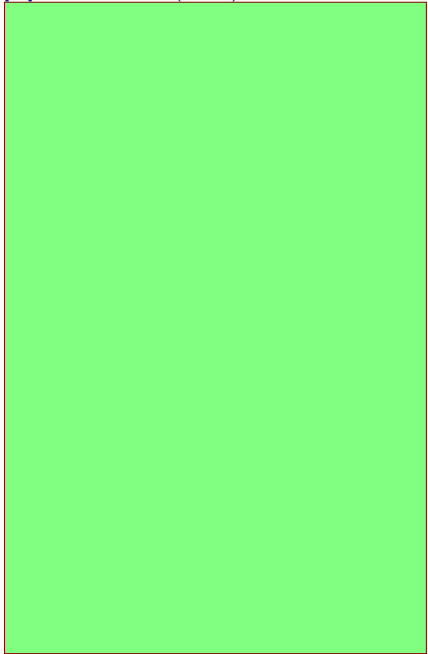
ie-track-kit-arduino-1.PrjPcb

(Block Diagram)

IE-TRACK-KIT-PWR Connector
[11] - CONNECTOR.SchDoc



Arduino UNO/MEGA
[04] - ARDUINO UNO (MEGA).SchDoc



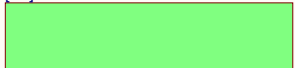
Voltage Conversion, Programming & Debug
[05] - DEBUGGING & PROGRAMMING.SchDoc



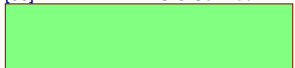
Peripherals - A
[06] - PERIPHERALS A.SchDoc



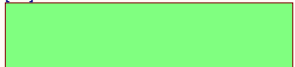
Peripherals - B
[07] - PERIPHERALS B.SchDoc



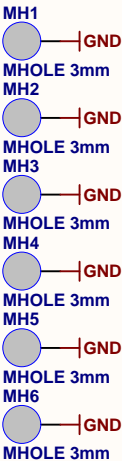
Peripherals - C
[08] - PERIPHERALS C.SchDoc



Peripherals - D
[09] - PERIPHERALS D.SchDoc



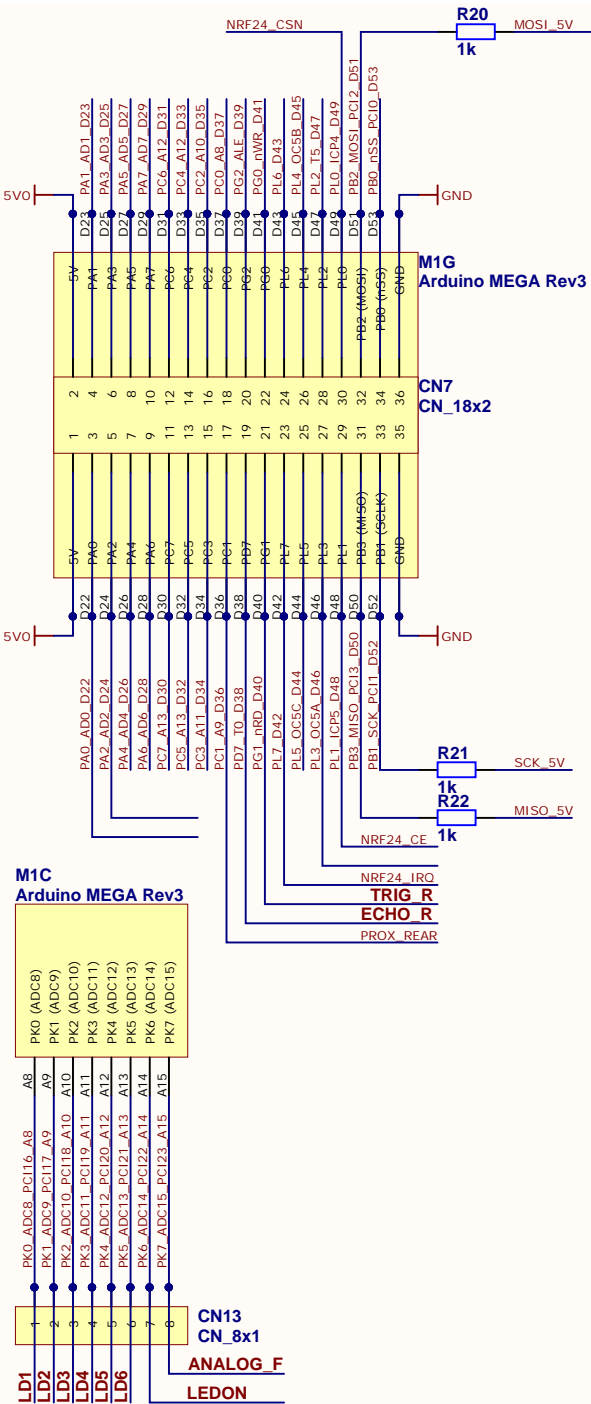
Bluetooth & 2,4GHz ISM
[10] - COMMUNICATION.SchDoc

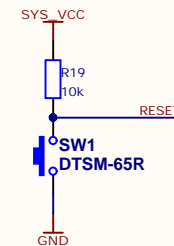
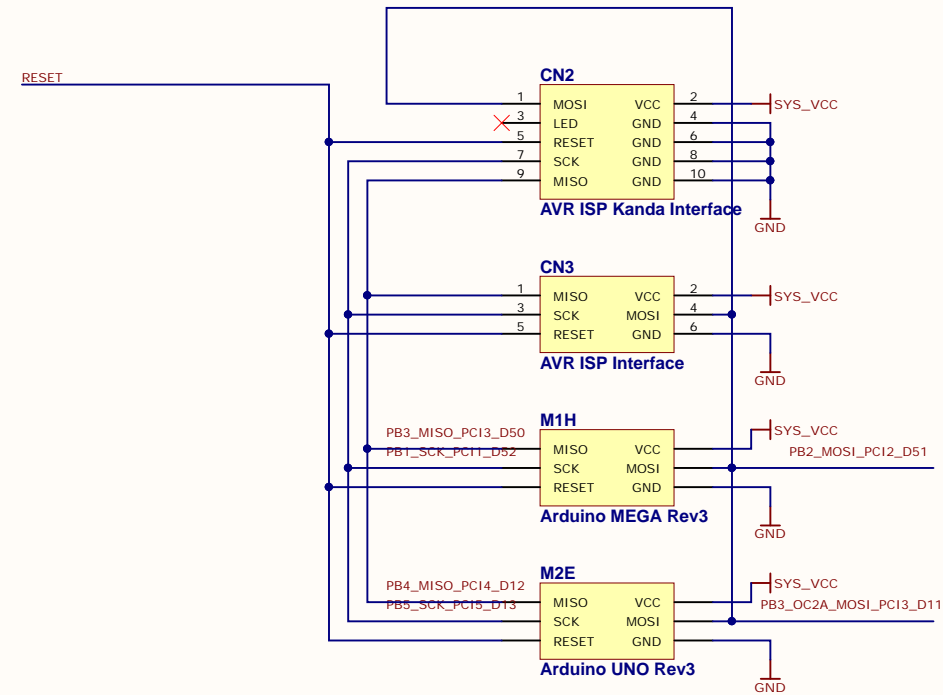
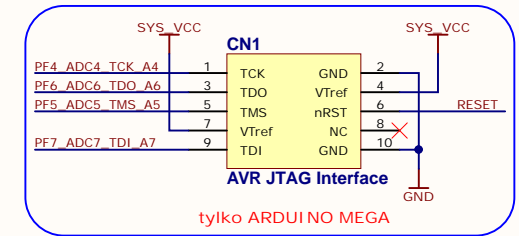
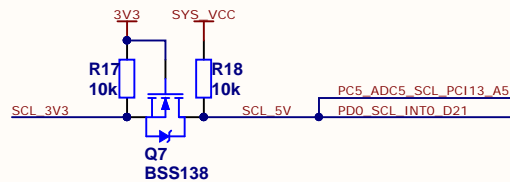
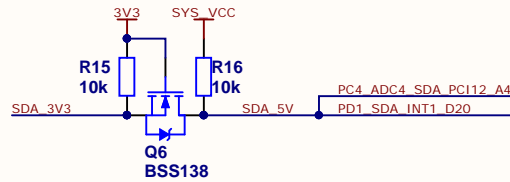
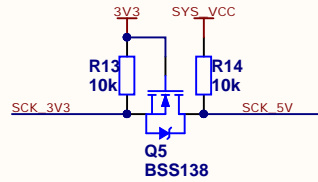
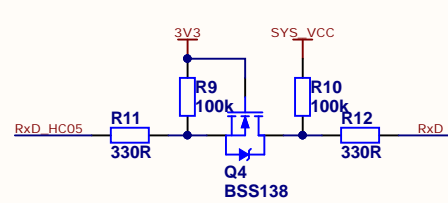
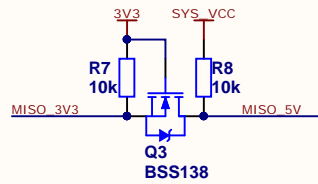
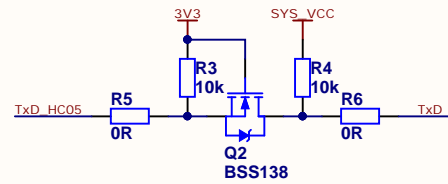
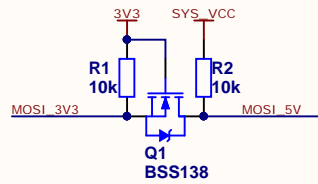


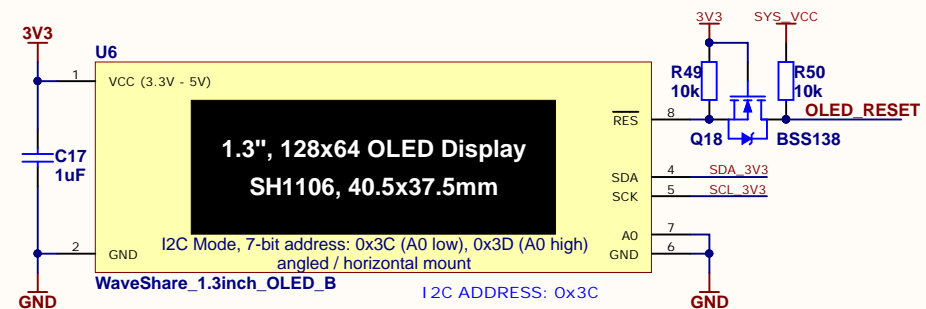
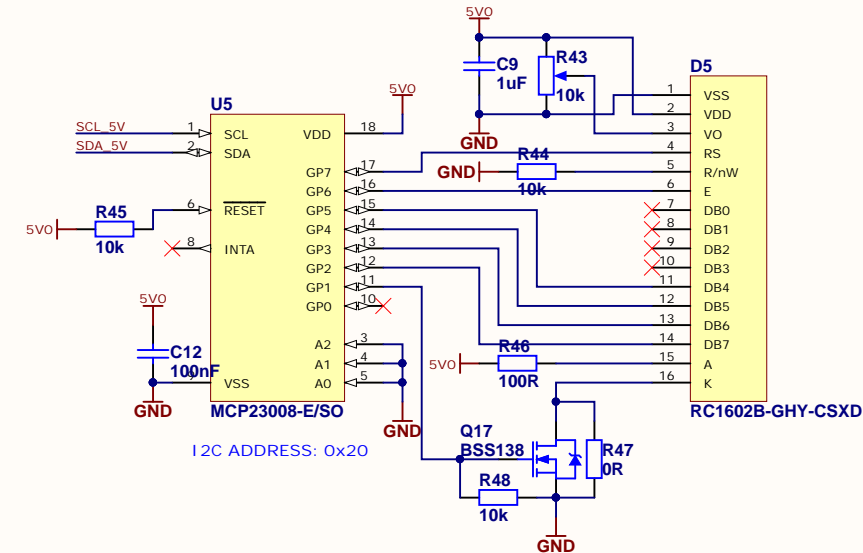
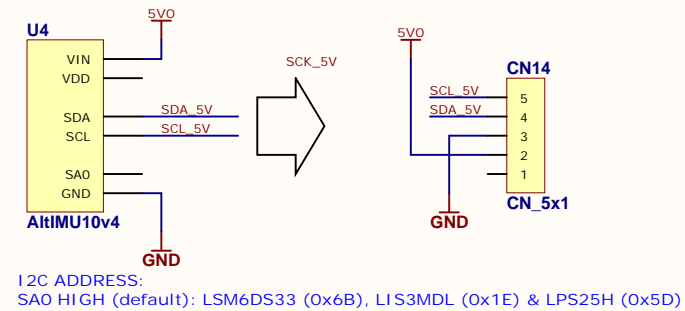
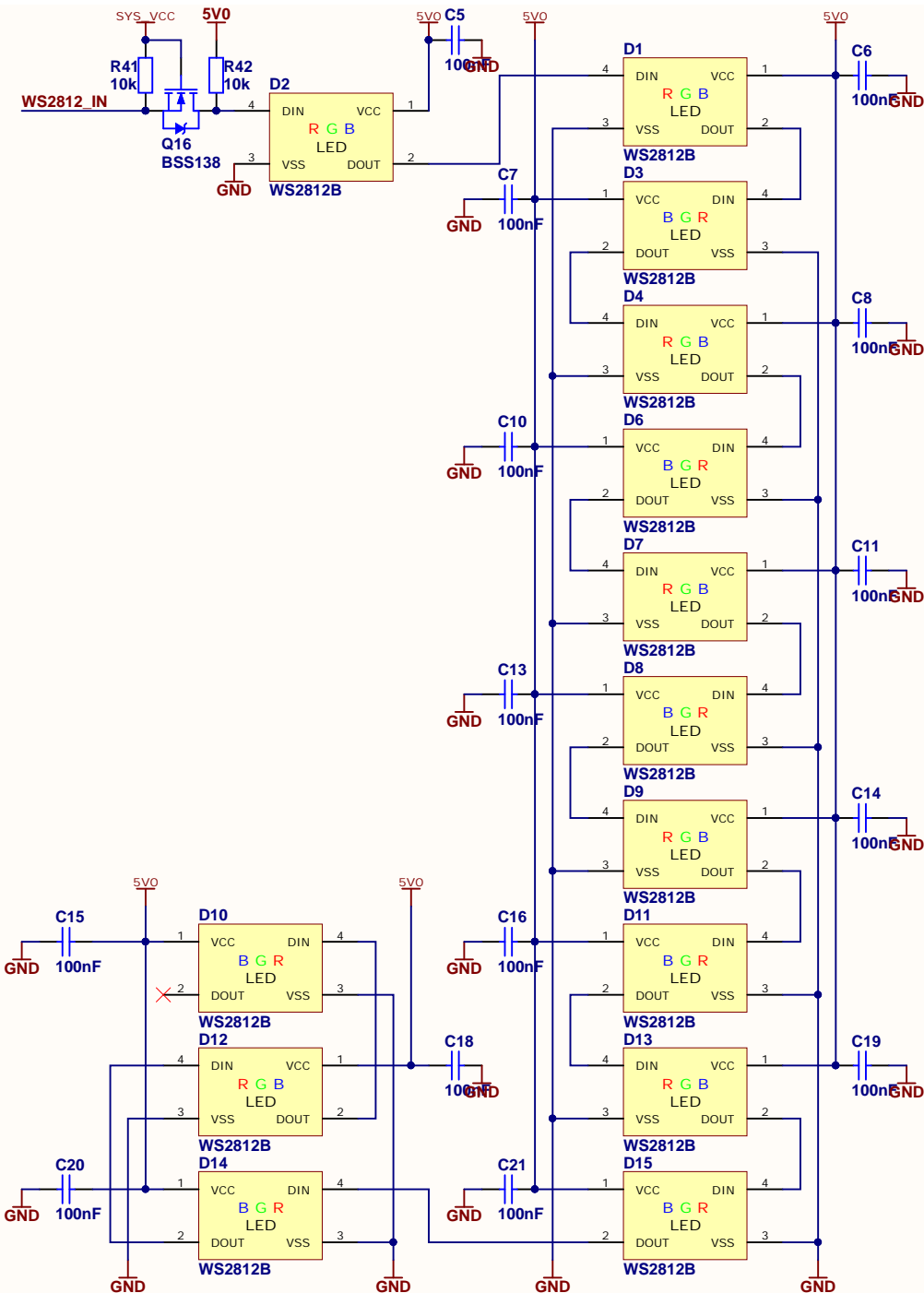
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odbiornik IR - sterowanie z pilota

IR proximity sensors

3-4 przyciski

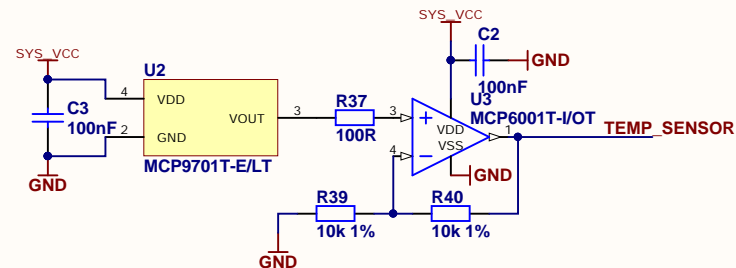
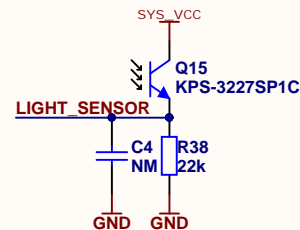
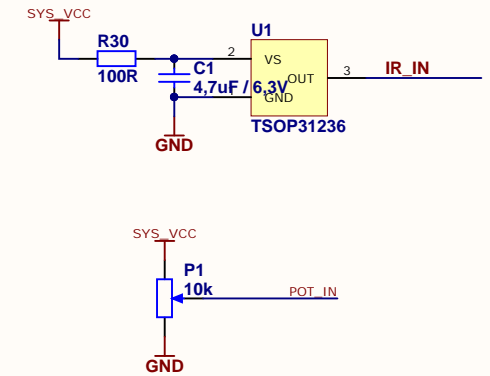
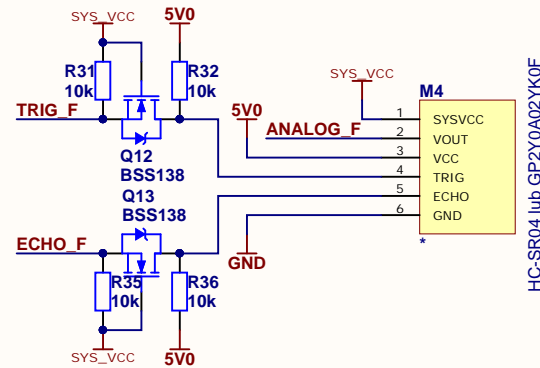
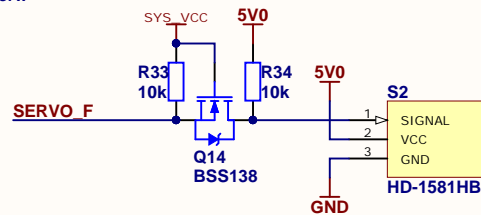
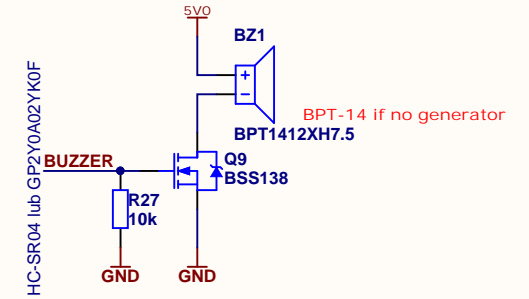
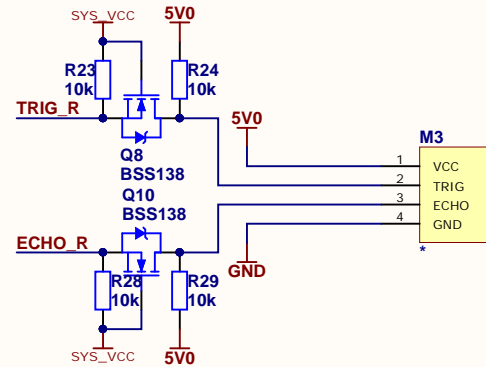
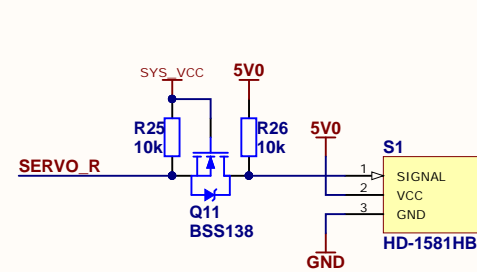
diody LED

diody i odbiorniki IR na rogach?

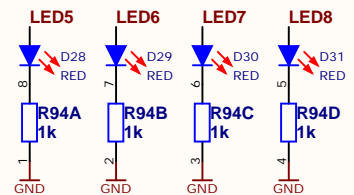
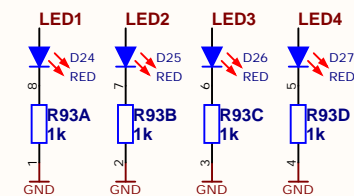
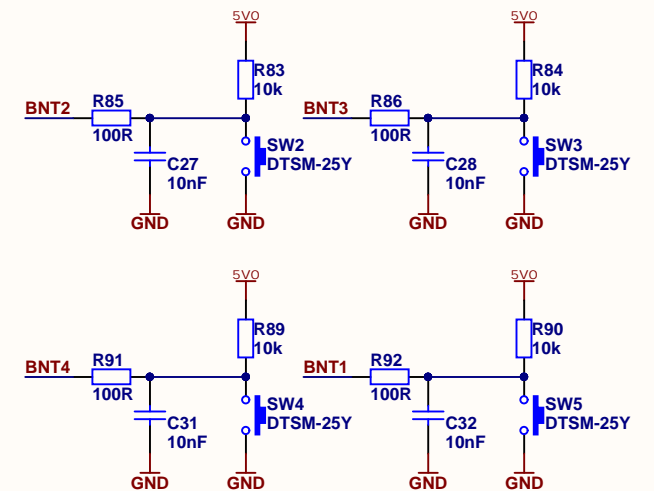
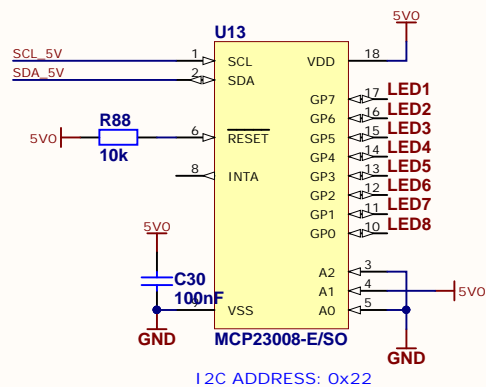
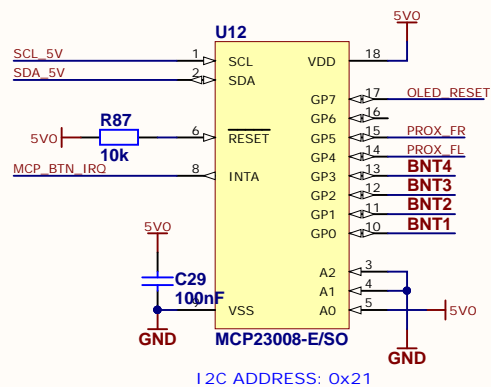
konwertter USB-UART


porzêczniku snap-action?

kontroler PCA9685 do PWMow - jest biblioteka dla serw



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