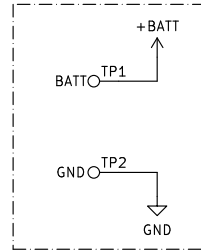
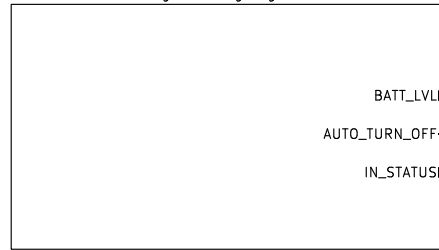


# DW Sensor Module (No modular design)

Terminal  
Battery x2 AAA

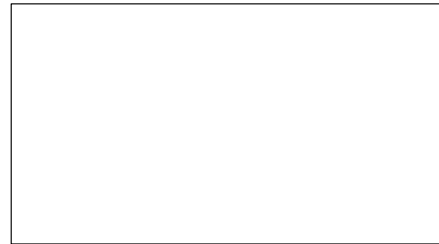


Power Latch – Rising & falling edge detector



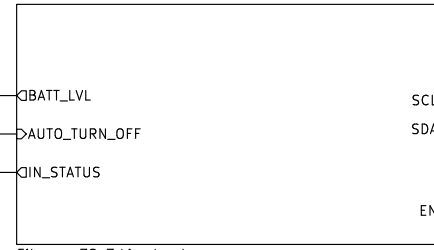
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LDO



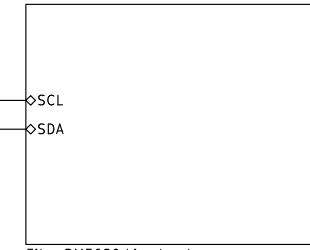
File: RT9080.kicad\_sch

Microcontroller + WIFI-BLE

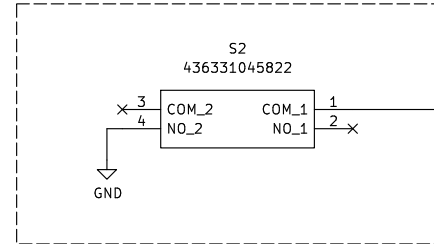


File: esp32c3.kicad\_sch

BME680



File: BME680.kicad\_sch



LED: APFA3011-AK13/F  
Everlight Elec 19-037A/RSGHBHW1-S03/2T

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Source location: <https://www.ohwr.org/project/wr-switch-hw>. As per CERN-OHL-W v2 section 4.1, should You produce hardware based on these sources, You must maintain the Source Location visible on the external case of the White Rabbit switch or other product you make using this documentation.

Designer: Salvatore Raccardi

[objexlabs.com](http://objexlabs.com)

**OBJEX**

Sheet: /

File: OBJEX-DoorSensor\_v1.2.kicad\_sch

**Title: DW Sensor Module – (No modular design)**

Size: A4 Date: 2023-03-23

KiCad E.D.A. kicad 7.0.1

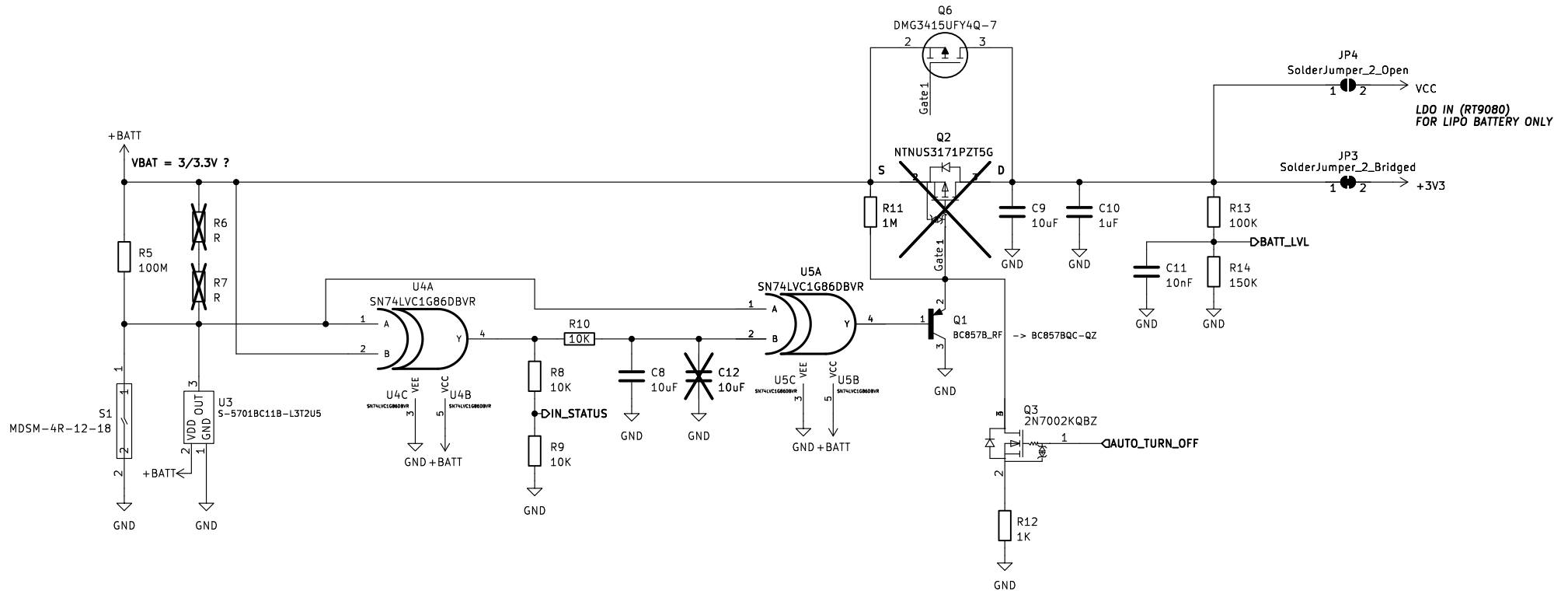
**Rev: 1.2**

Id: 1/5

**OBJEX**

# Power Latch

## Rising & falling edge detector



Designer: Salvatore Raccardi  
objexlabs.com

**OBJEX**

Sheet: /Power Latch – Rising & falling edge detector /  
File: PowerLatch.kicad\_sch

**Title: DW Sensor Module – (No modular design)**

Size: A4 Date: 2023-03-23

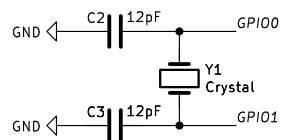
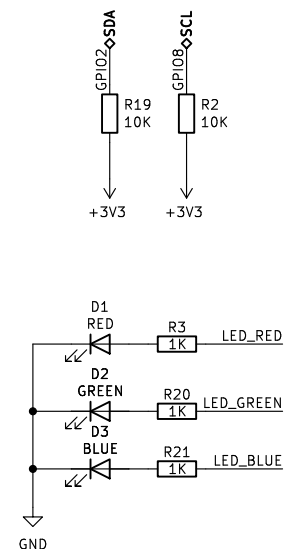
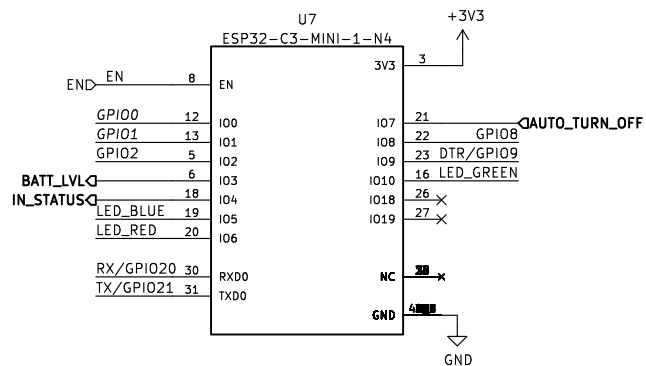
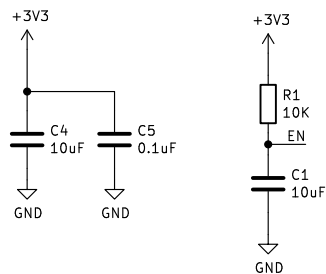
KiCad E.D.A. kicad 7.0.1

Rev: 1.2

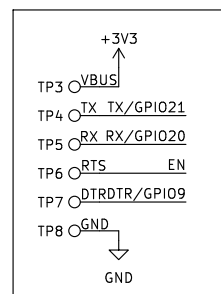
Id: 2/5

**OBJEX**

Microcontroller  
ESP32-C3-MINI-1-N4



## ESP32 TEST POINTs



Designer: Salvatore Raccardi  
objexlabs.com

**OBJEX**

Sheet: /Microcontroller + WiFi-BLE/

File: esp32c3.kicad\_sch

**Title: DW Sensor Module – (No modular design)**

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| Size: A4 | Date: 2023-03-23 |
|----------|------------------|

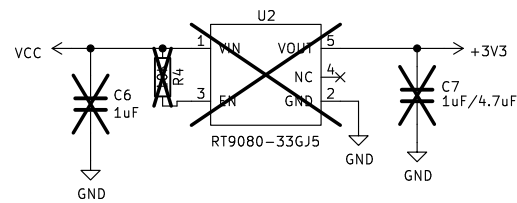
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| KiCad E.D.A. | kicad 7.0.1 |

Rev: 1.2

Id: 3/5

**OBJEX**

# LDO RT9080



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these sources, You must maintain the Source Location visible on the  
external case of the White Rabbit switch or other product you make using  
this documentation.

Designer: Salvatore Raccardi  
[objexlabs.com](http://objexlabs.com)

**OBJEX**

Sheet: /LDO/  
File: RT9080.kicad\_sch

**Title: DW Sensor Module – (No modular design)**

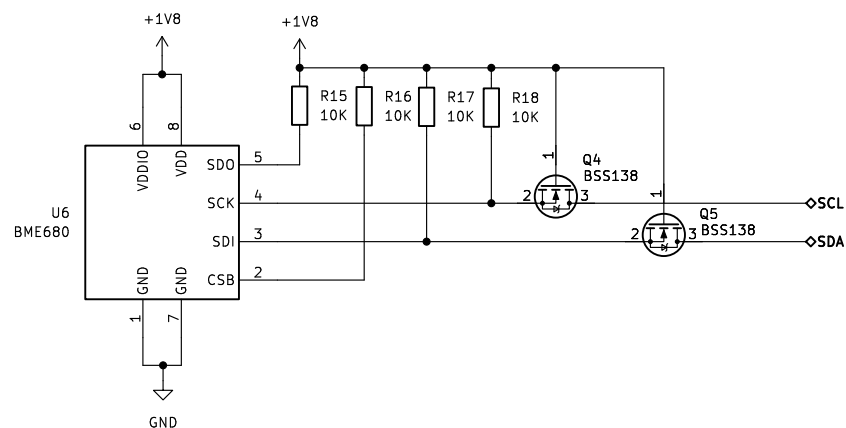
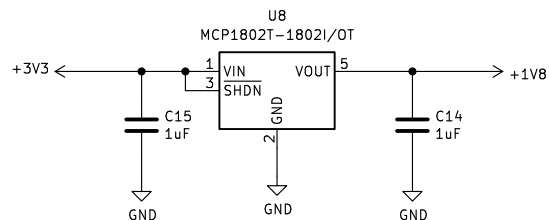
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Rev: 1.2

KiCad E.D.A. kicad 7.0.1

Id: 4/5

# BME680



Designer: Salvatore Raccardi  
objexlabs.com

**OBJEX**

Sheet: /BME680/  
File: BME680.kicad\_sch

**Title: DW Sensor Module – (No modular design)**

Size: A4 Date: 2023-03-23

KiCad E.D.A. kicad 7.0.1

Rev: 1.2

Id: 5/5

**OBJEX**