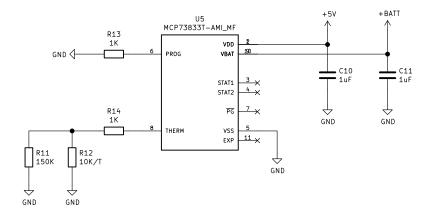
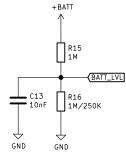
**OBJEX Link RISCV** SB/uC Sheet: I\0 Sheet: SerialBridge Sheet: Microcontroller File: CP2102.sch File: ESP32-C3FH4.sch USB-C POWFR Sheet: LDO Sheet: USB-C Sheet: Battery Manager File: 10.sch File: USB-C\_Type2.0.sch Copyright CERN 2020. This source describes Open Hardware and is licensed under the CERN-OHLW v2 You may redistribute and modify this documentation and make products using it under the terms of the CERN-OHL-W v2 (https://cern.ch/cern-ohl). This documentation is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY visit: docs.objex.link AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN-OHL-W v2 Designer: Salvatore Raccardi for applicable conditions. OBJEX Source location: https://www.ohwr.org/project/wr-switch-hw Sheet: / As per CERN-OHL-W v2 section 4.1, should You produce hardware based on File: OBJEX\_LINK-Rev1.6\_RISCV.sch these sources, You must maintain the Source Location visible on the Title: OBJEX Link RISCV external case of the White Rabbit switch or other product you make using Size: A4 Date: 2021-10-06 Rev: 1.6-C3 this documentation. KiCad E.D.A. eeschema (5.1.10)-1 ld: 1/7

## BATTERY CHG





C13 to avoid high voltage spike from battery and noise/get false reading

Copyright CERN 2020.

This source describes Open Hardware and is licensed under the CERN-OHLW v2 You may redistribute and modify this documentation and make products using it under the terms of the CERN-OHL-W v2 (https://cern.ch/cern-ohl). This documentation is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN-OHL-W v2 for applicable conditions.

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.

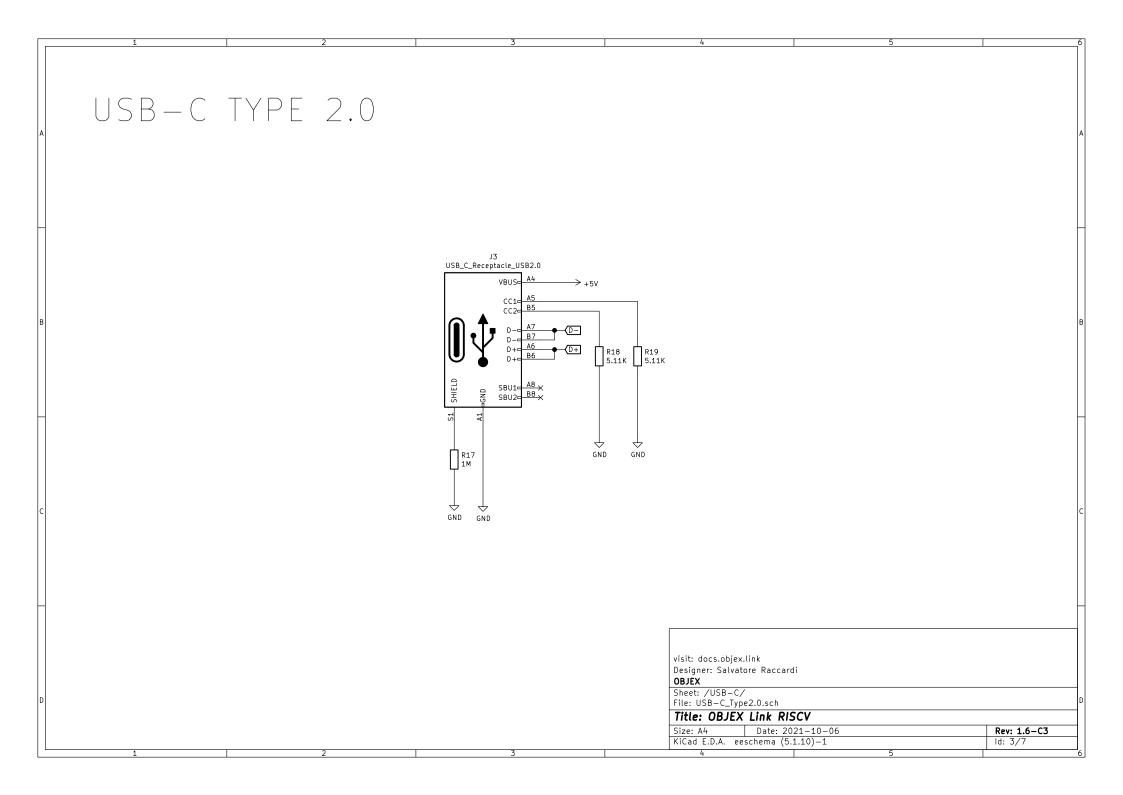
visit: docs.objex.link Designer: Salvatore Raccardi

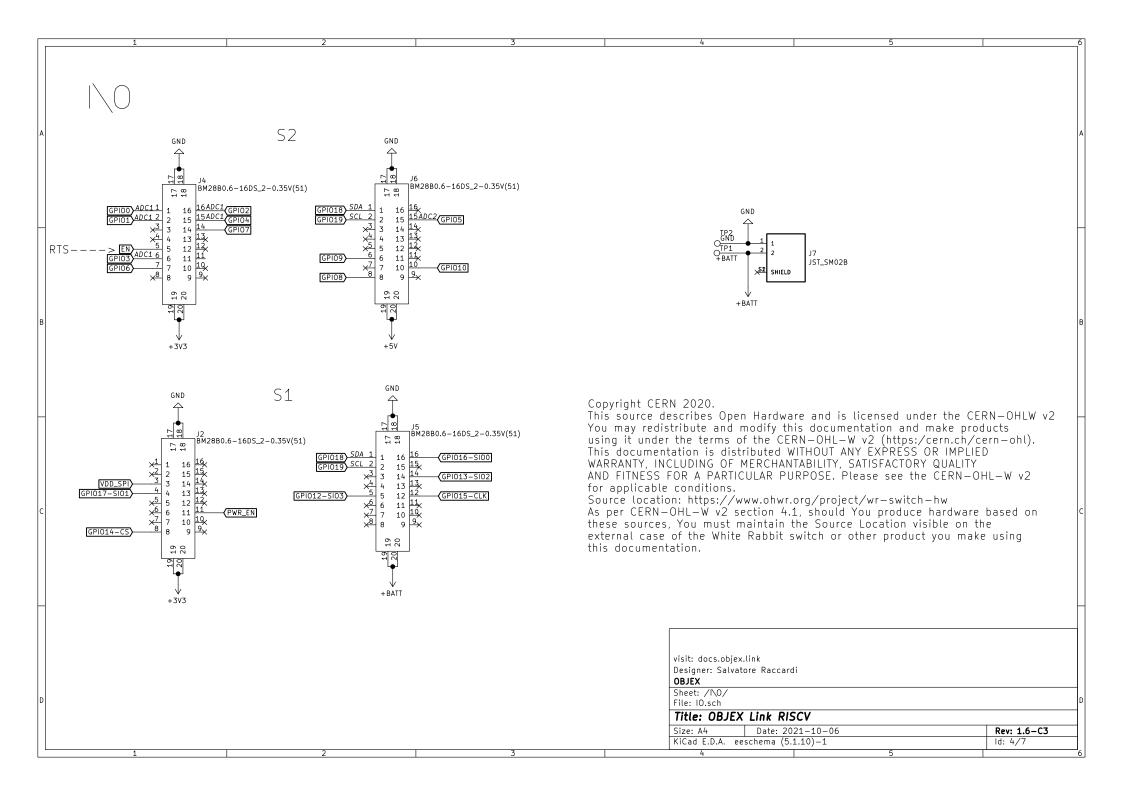
OBJEX

Sheet: /Battery Manager/ File: MCP73833T-AMI\_MF.sch

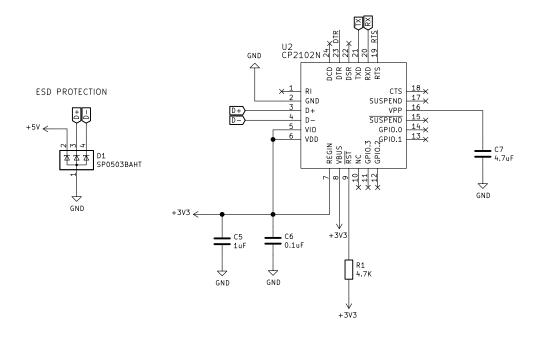
 Size: A4
 Date: 2021-10-06
 Rev: 1.6-C3

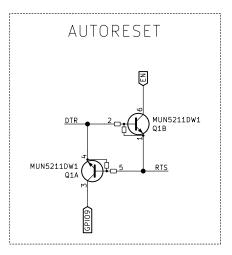
 KiCad E.D.A. eeschema (5.1.10)-1
 Id: 2/7





## SERIAL BRIDGE





Copyright CERN 2020.

This source describes Open Hardware and is licensed under the CERN-OHLW v2 You may redistribute and modify this documentation and make products using it under the terms of the CERN-OHL-W v2 (https:/cern.ch/cern-ohl). This documentation is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN-OHL-W v2 for applicable conditions.

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.

visit: docs.objex.link Designer: Salvatore Raccardi

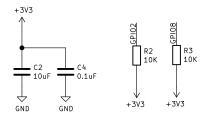
OBJEX

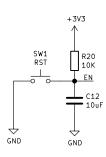
Sheet: /SerialBridge/ File: CP2102.sch

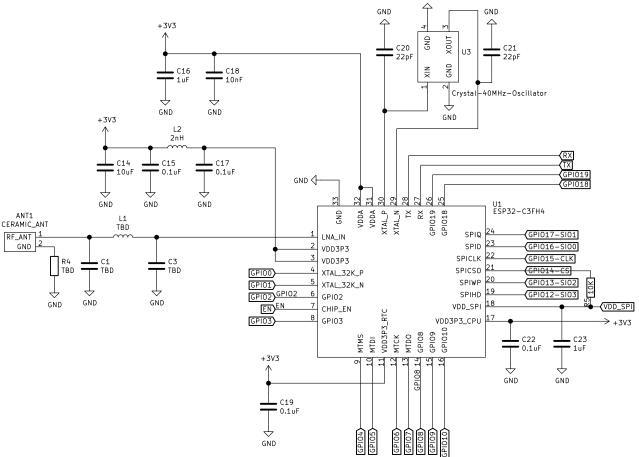
Title:	OBJEX	Link	RISCV
--------	-------	------	-------

Size: A4	Date: 2021-10-06	Rev: 1.6-C3
KiCad E.D.A. ee	schema (5.1.10)-1	ld: 5/7









GND

Copyright CERN 2020.

This source describes Open Hardware and is licensed under the CERN-OHLW v2 You may redistribute and modify this documentation and make products using it under the terms of the CERN-OHL-W v2 (https:/cern.ch/cern-ohl). This documentation is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN-OHL-W v2 for applicable conditions.

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.

visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

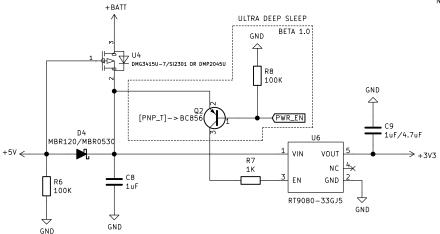
Sheet: /Microcontroller/ File: ESP32-C3FH4.sch

	Size: A4	Date: 2021-10-06		Rev: 1.6-C3
	KiCad E.D.A. ee	schema (5.1.10)-1		ld: 6/7
_	- /,		,	•

## [PNP\_T]

1. Test to be completed, to choose the most suitable component. |-[!]Component to be changed

NOTE: Currently working correctly - but (off\_status: 40uA value too high) | -NOTE: EN\_RT9080: OFF --> 3.2uA (MAX: 4.32uA)



Copyright CERN 2020.

This source describes Open Hardware and is licensed under the CERN-OHLW v2 You may redistribute and modify this documentation and make products using it under the terms of the CERN-OHL-W v2 (https:/cern.ch/cern-ohl). This documentation is distributed WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING OF MERCHANTABILITY, SATISFACTORY QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN-OHL-W v2 for applicable conditions.

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.

visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

Sheet: /LDO/

File: RT9080-33GJ5.sch

Title:	OBJEX	Link	RISCV	

 Size: A4
 Date: 2021-10-06
 Rev: 1.6-C3

 KiCad E.D.A. eeschema (5.1.10)-1
 Id: 7/7

2

3

- 4

5