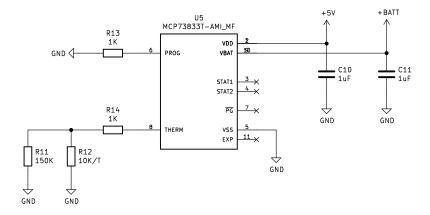
1	2	3	4	5	
OBJEX Link RISCV					
	SB/uC	controller		NO	
	File:	ESP32-C3FH4.sch			
USB-C	DOMED				
USB-C	POWER	Battery Manag	er		
File: USB-C_Type2.0.sch	File: RT9080-33GJ5.sch	File: MCP738:	i3T-AMI_MF.sch	File: 10.sch	
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using it under the terms of This documentation is distri WARRANTY, INCLUDING OF M	the CERN-OHL-W v2 (https://cer buted WITHOUT ANY EXPRESS OR ERCHANTABILITY, SATISFACTORY QU LAR PURPOSE. Please see the CE	n.ch/cern-ohl). IMPLIED JALITY	visit: docs.objex.link Designer: Salvatore Raccardi		
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		OBJEX Sheet: / File: OBJEX_LINK-Rev1.7_RISCV.  Title: OBJEX Link RISCV  Size: A4 Date: 2021-1		Rev: 1.7-C3	
this documentation.			KiCad E.D.A. kicad (6.0.0)	.1 44	ld: 1/6

## BATTERY CHG



+BATT

R15
1M

BATT\_LVL

GND

GND

GND

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

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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.

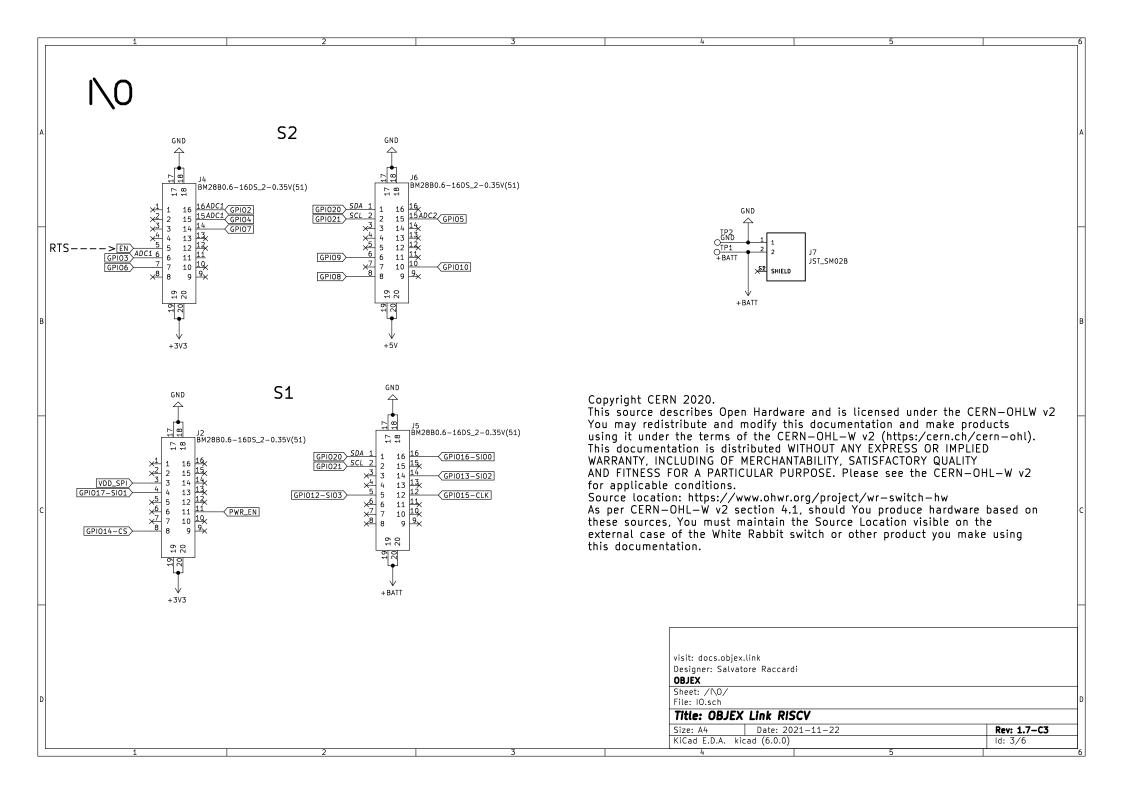
visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

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

Title: OBJEX	Link	RISCV
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Size: A4	Date: 2021-11-22	Rev: 1.7-C3
KiCad E.D.A. kid	cad (6.0.0)	ld: 2/6

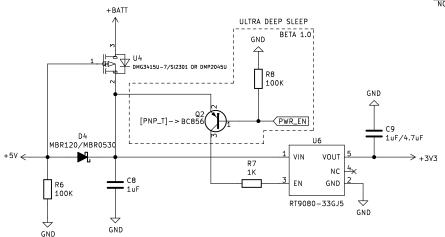


## LDO

#### [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)



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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.

visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

Sheet: /LDO/

File: RT9080-33GJ5.sch

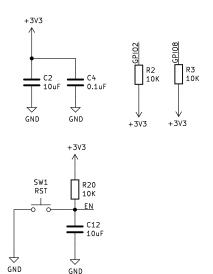
Title:	OBJEX	Link	RISCV
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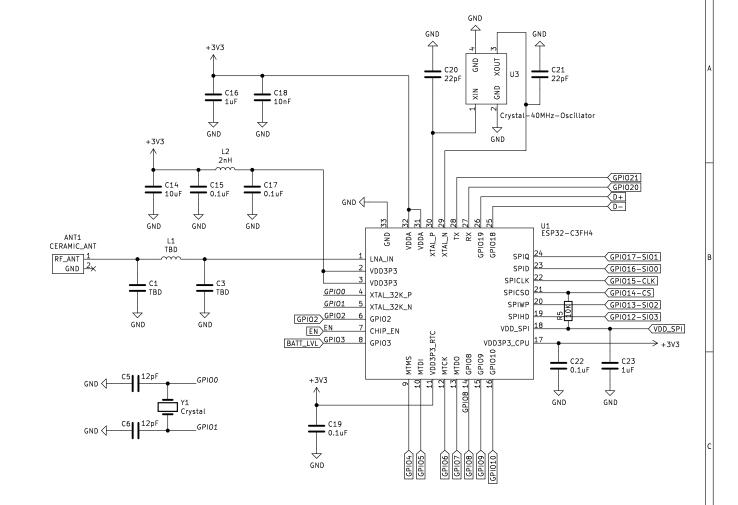
 Size: A4
 Date: 2021-11-22
 Rev: 1.7-C3

 KiCad E.D.A. kicad (6.0.0)
 Id: 4/6

### ESP32-C3H4

RISC-V - WiFi + BLE 5.0





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Source location: https://www.ohwr.org/project/wr-switch-hw
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this documentation.

visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

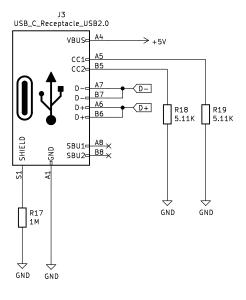
Sheet: /Microcontroller/ File: ESP32-C3FH4.sch

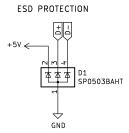
Title: OBJEX Link RISCV

 Size: A4
 Date: 2021-11-22
 Rev: 1.7-C3

 KiCad E.D.A. kicad (6.0.0)
 Id: 5/6

# USB-C TYPE 2.0





visit: docs.objex.link Designer: Salvatore Raccardi

OBJEX

Sheet: /USB-C/ File: USB-C\_Type2.0.sch

Title: OBJEX	Link	RISCV

Size: A4	Date: 2021-11-22	Rev: 1.7-C3
KiCad E.D.A. ki	cad (6.0.0)	ld: 6/6