OBJEX Link RISCV

SB/uC

Microcontroller

File: ESP32-C3FH4.sch

IO

File: IO.sch

USB-C

USB-C

File: USB-C_Type2.0.sch

POWER

LDO

File: RT9080-33GJ5.sch

Battery Manager

File: MCP73833T-AMI_MF.sch

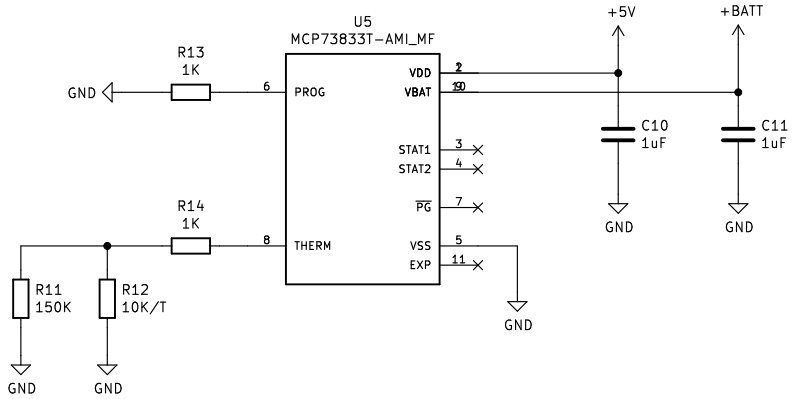
visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX

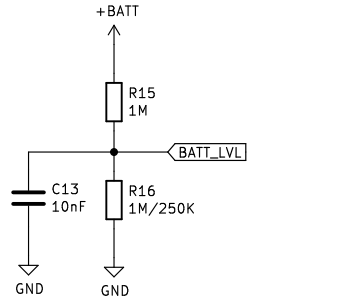
Sheet: /
File: OBJEX_LINK-Rev1.7_RISCV.sch

Title: OBJEX Link RISCV

Size: A4	Date: 2021-11-22	**Rev: 1.7-C3**
KiCad E.D.A. kicad (6.0.0)		Id: 1/6

BATTERY CHG





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

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Sheet: /Battery Manager/
File: MCP73833T-AMI_MF.sch

Title: OBJEX Link RISCV

Size: A4	Date: 2021-11-22	**Rev: 1.7-C3**
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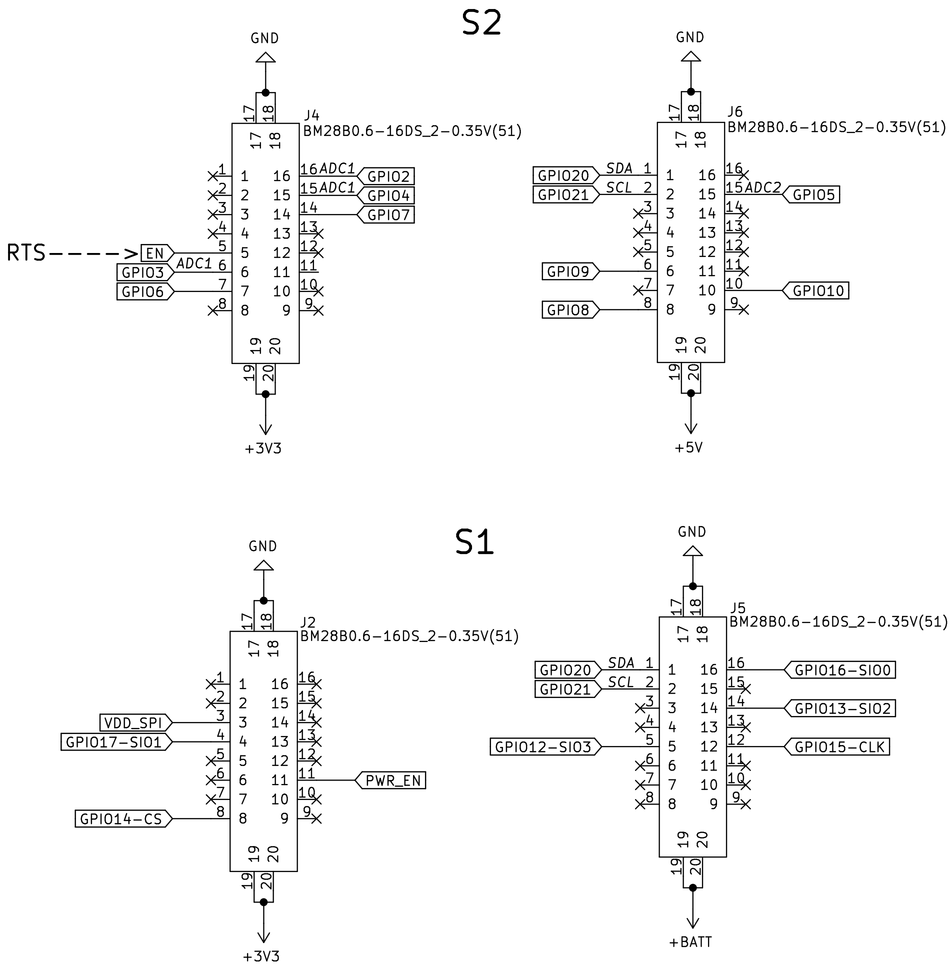
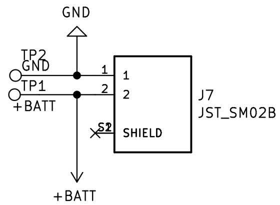
I\O





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Sheet: /I\O/
File: IO.sch

Title: OBJEX Link RISCV

Size: A4 | Date: 2021-11-22 | **Rev: 1.7-C3**
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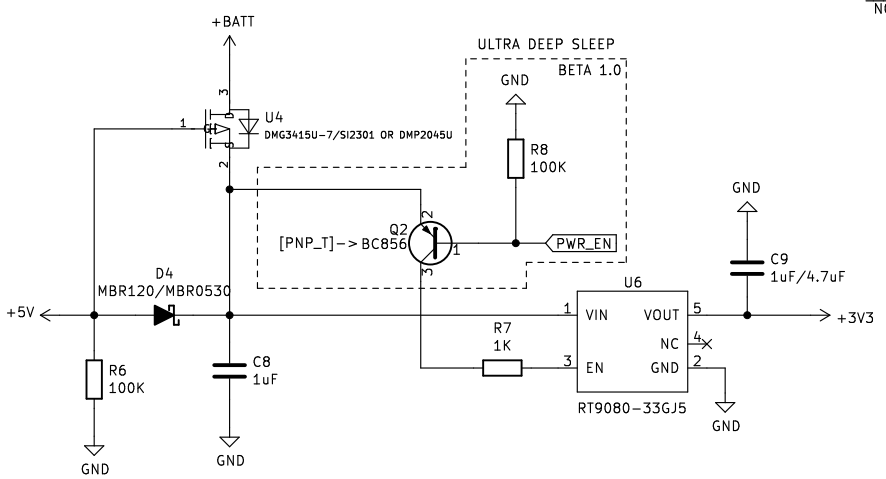
LDO

[PNP_T]

1. Test to be completed, to choose the most suitable component.
   |-[t]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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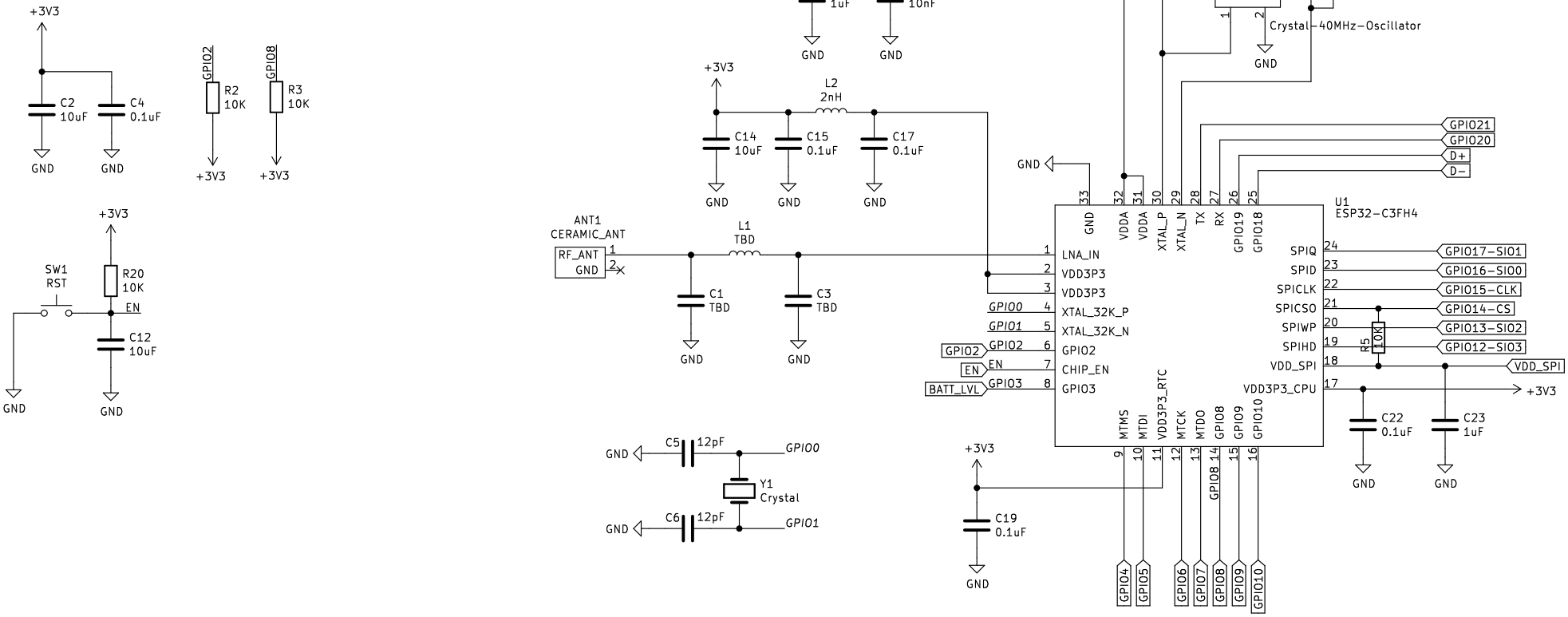
Sheet: /LDO/
File: RT9080-33GJ5.sch

Title: OBJEX Link RISCV

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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OBJEX

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

Title: OBJEX Link RISCV

Size: A4	Date: 2021-11-22	**Rev: 1.7-C3**
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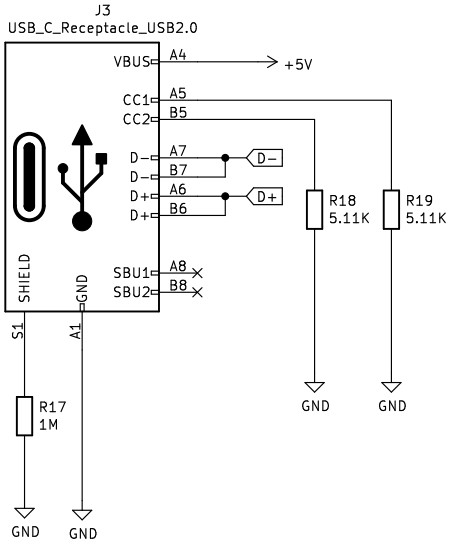
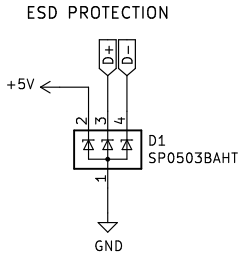
USB-C TYPE 2.0





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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. kicad (6.0.0)		Id: 6/6