OBJEX Link

SB/uC

Sheet: SerialBridge

File: CP2104.sch

Sheet: Microcontroller

File: ESP32-PICO-D4.sch

Sheet: IO

File: IO.sch

USB-C

Sheet: USB-C

File: USB-C_Type2.0.sch

POWER

Sheet: LDO

File: AP7361C-FGE-7.sch

Sheet: Battery Manager

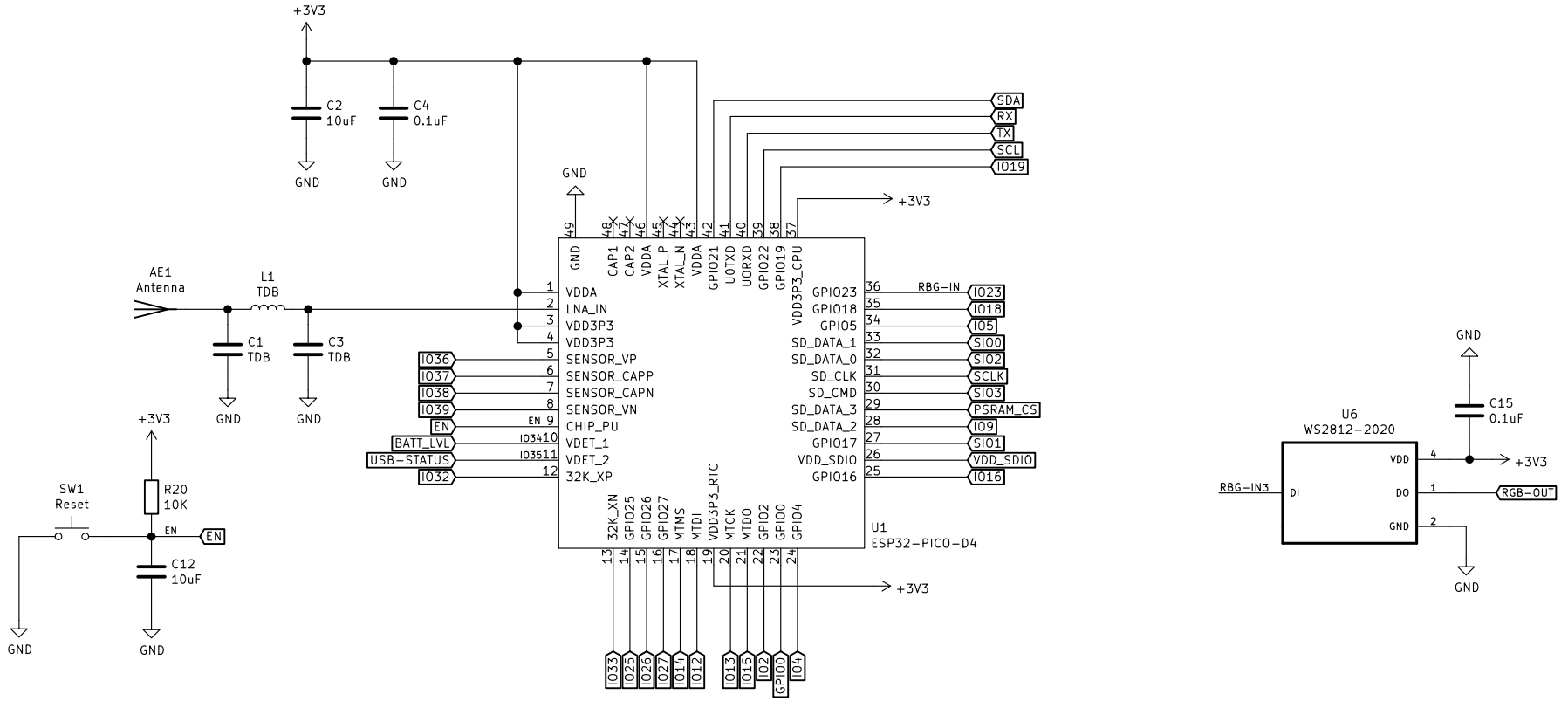
File: MCP73833T-AMI_MF.sch

visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX
Sheet: /
File: OBJEX_LINK-Rev1.6.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 1/7

ESP32 PICO D4

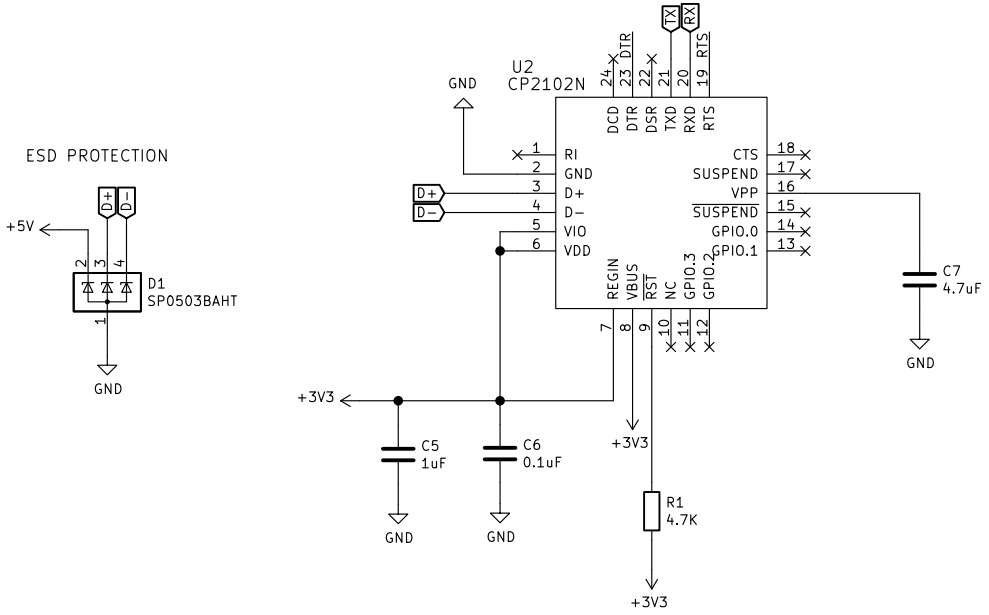


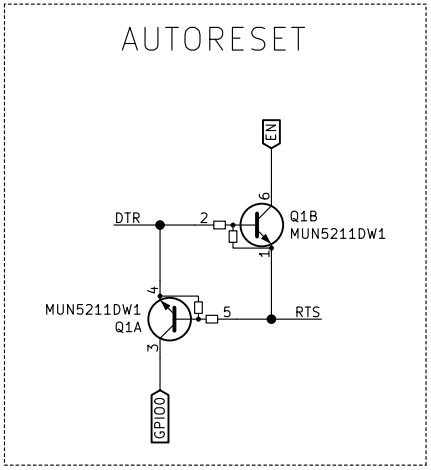
visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX
Sheet: /Microcontroller/
File: ESP32-PICO-D4.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 2/7

SERIAL BRIDGE





visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX
Sheet: /SerialBridge/
File: CP2104.sch

Title: OBJEX Link

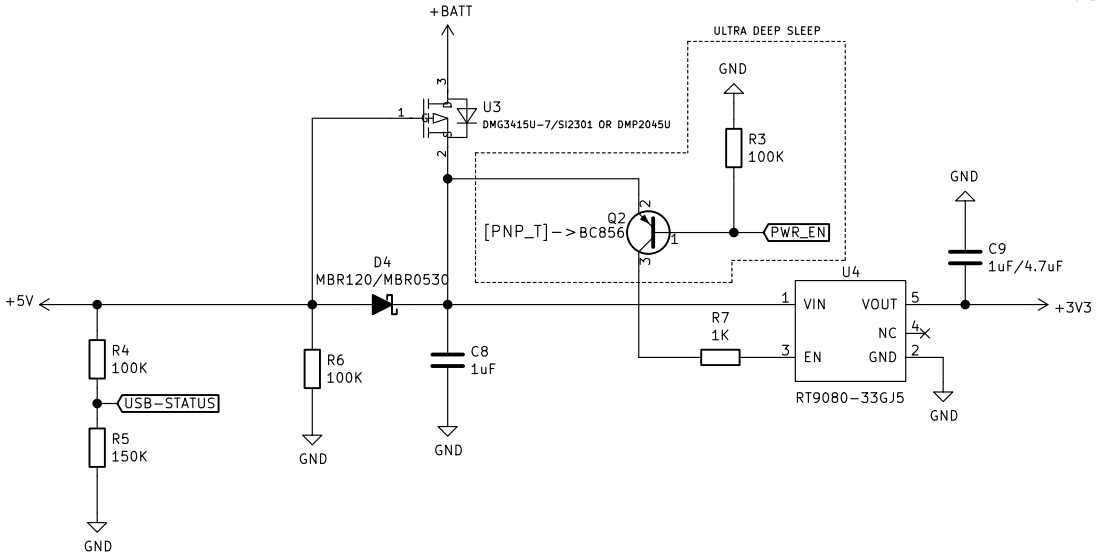
Size: A4	Date: 2021−10−18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)−1		Id: 3/7

LDO

[PNP_T]

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

NOTE: Currently working correctly - but (off_status: 40uA value too high)
   | - NOTE: EN_RT9080: OFF --> 3.2uA (MAX: 4.32uA)

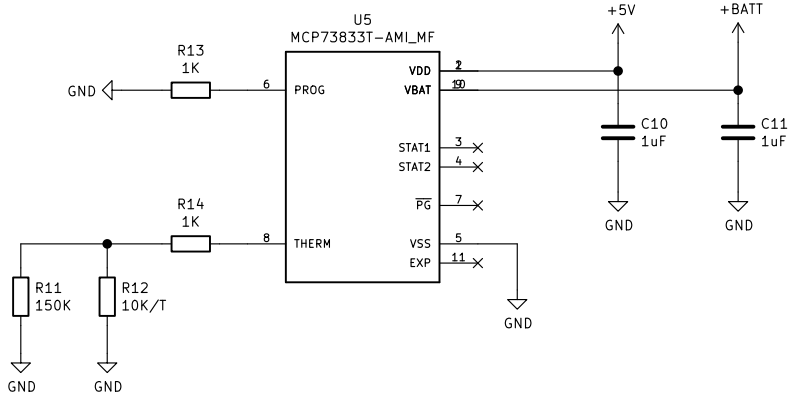


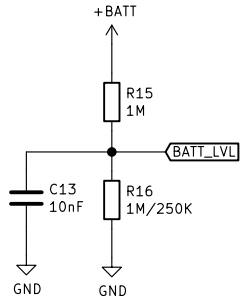
visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX
Sheet: /LDO/
File: AP7361C-FGE-7.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 4/7

BATTERY CHG





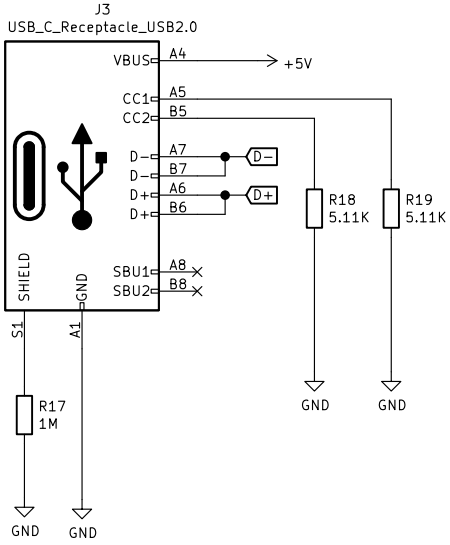
C13 to avoid high voltage spike from battery and noise/get false reading

visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX
Sheet: /Battery Manager/
File: MCP73833T-AMI_MF.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 5/7

USB-C TYPE 2.0

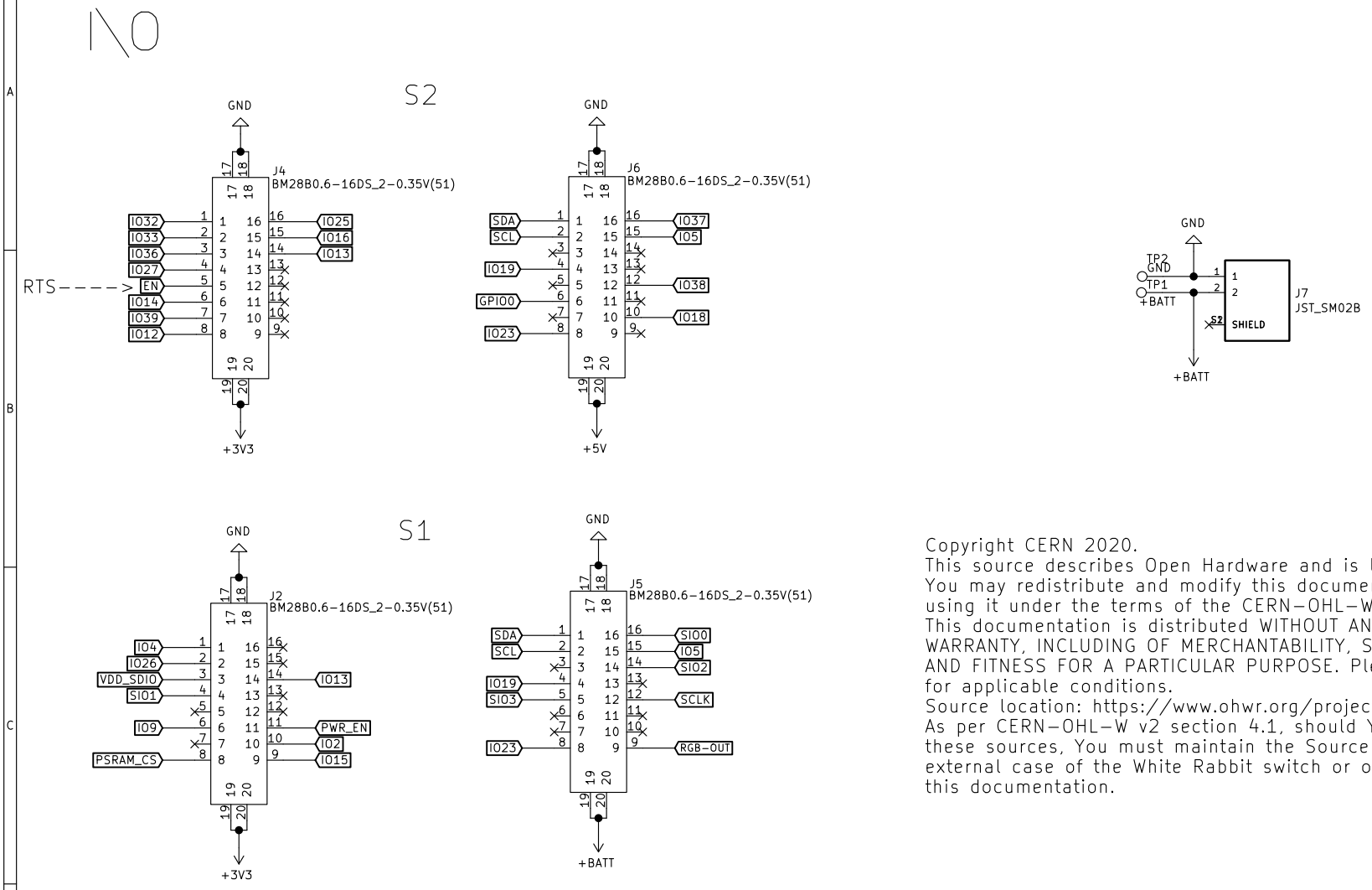


visit: docs.objex.link
Designer: Salvatore Raccardi
OBJEX

Sheet: /USB-C/
File: USB-C_Type2.0.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 6/7



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

Sheet: /IO/
File: IO.sch

Title: OBJEX Link

Size: A4	Date: 2021-10-18	**Rev: 1.6**
KiCad E.D.A. eeschema (5.1.10)-1		Id: 7/7