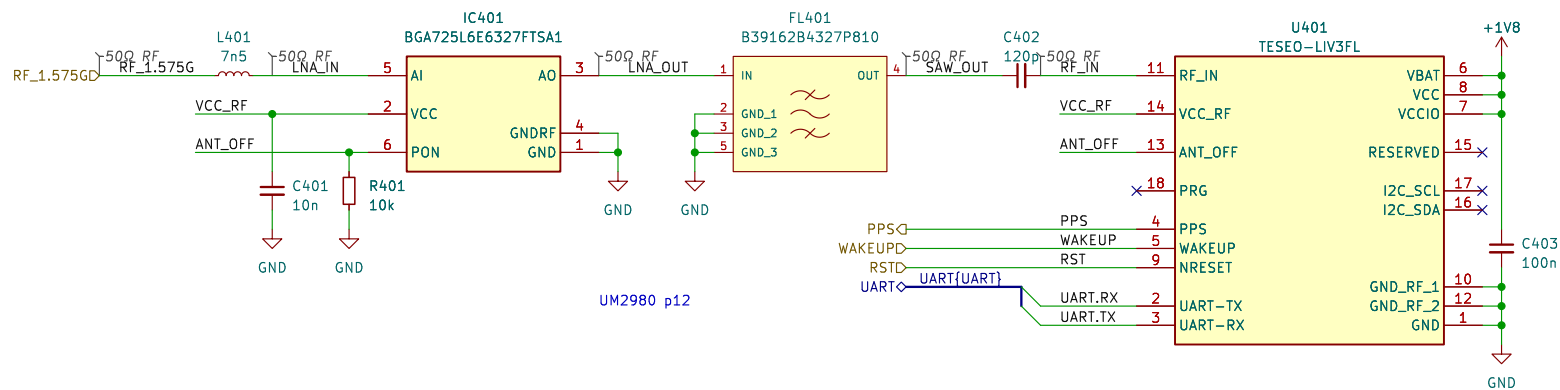


Id: 3/18



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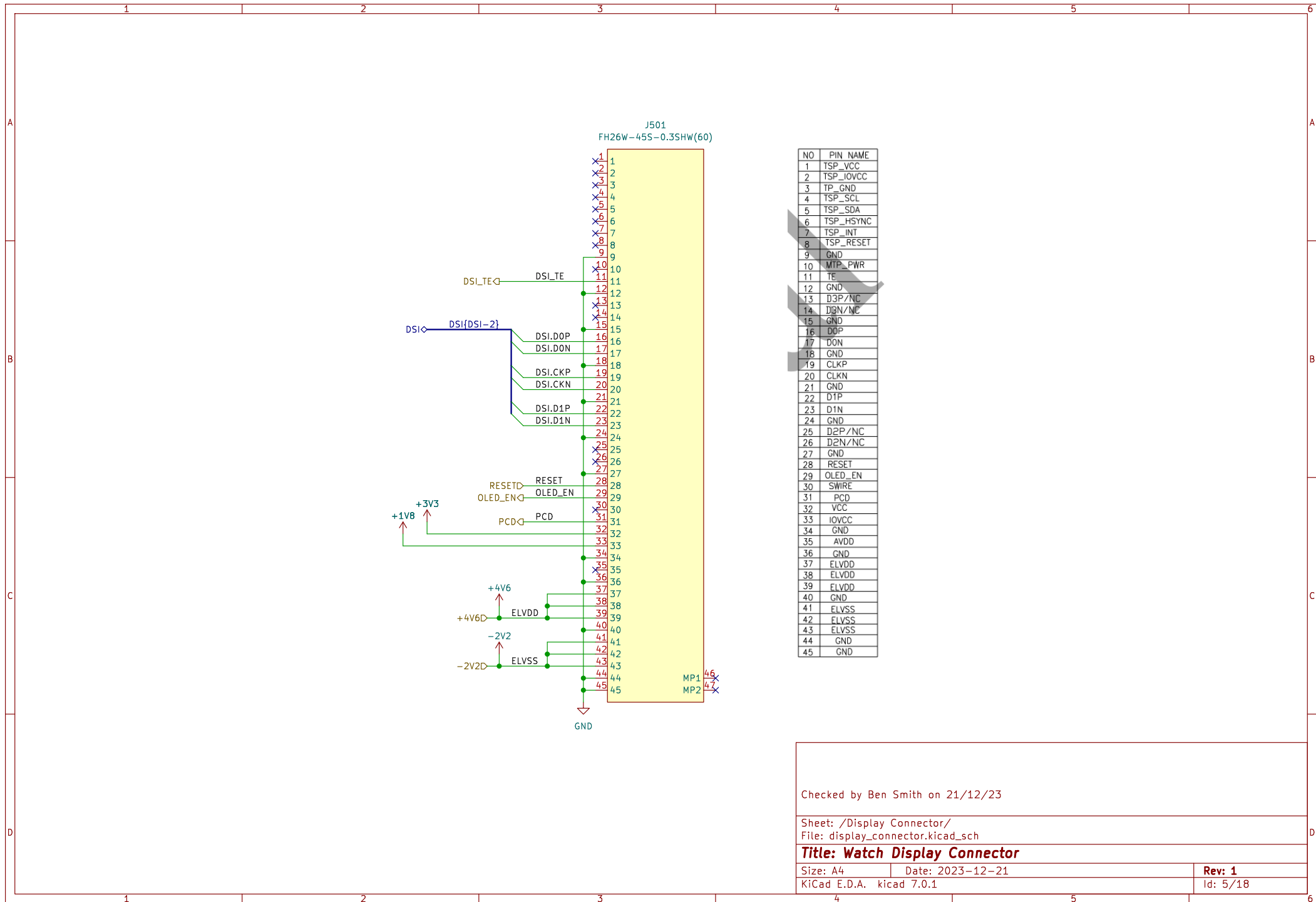
Sheet: /GNSS/
File: gnss.kicad_sch

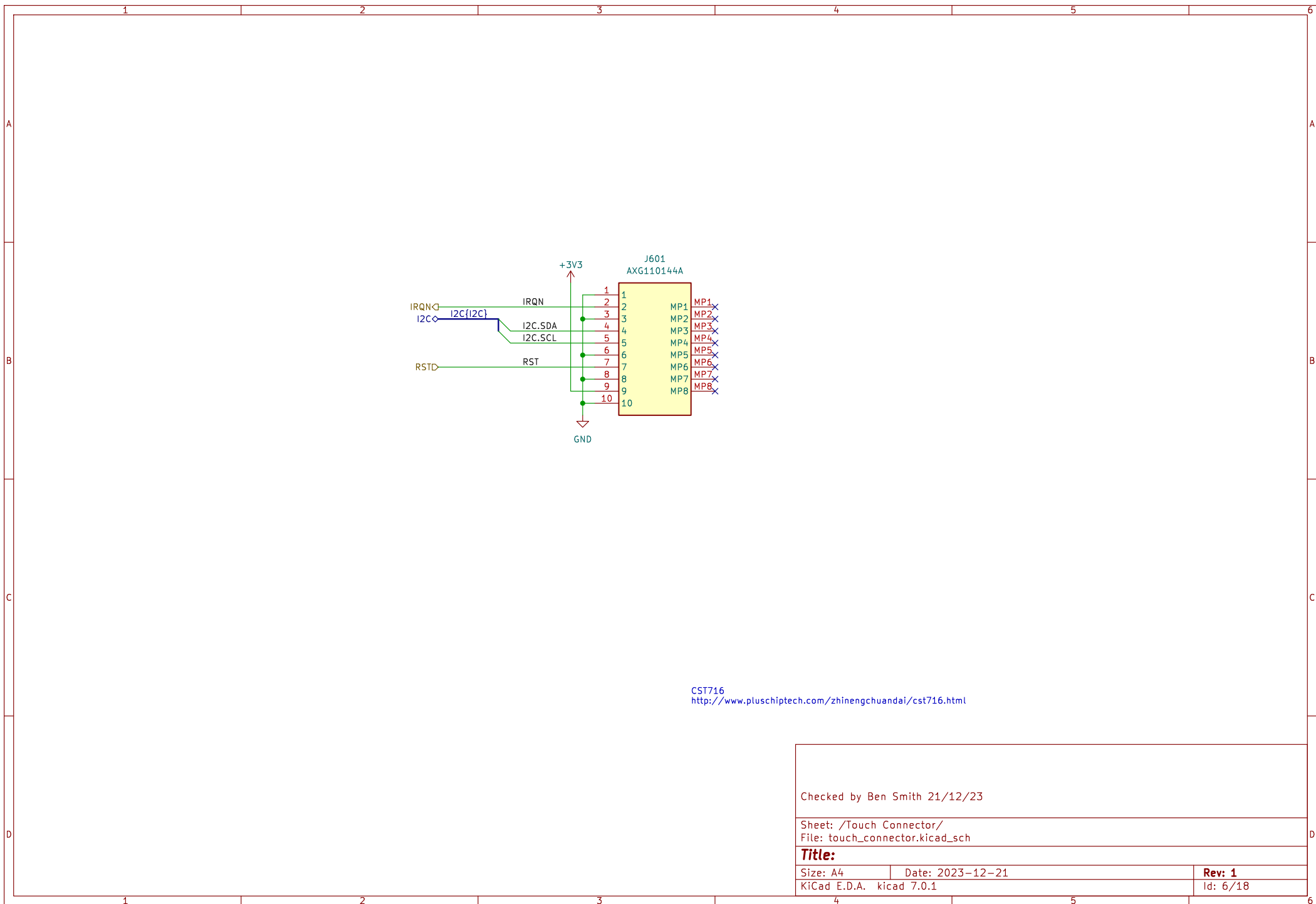
Title: Watch GNSS

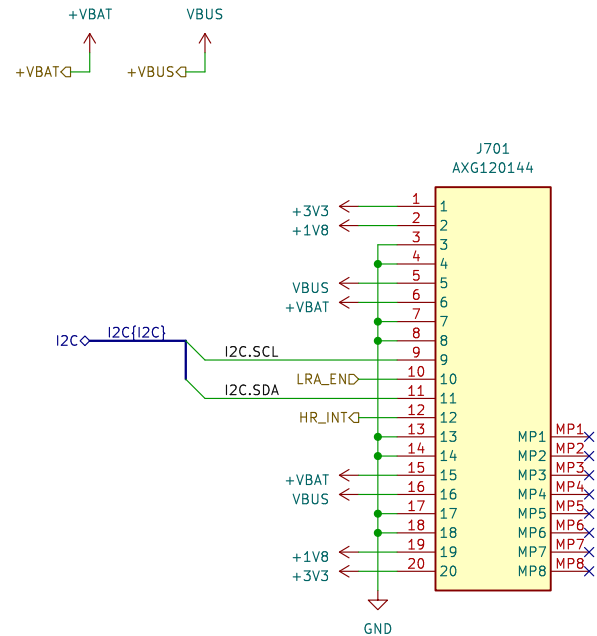
Size: A4 Date: 2023-12-20

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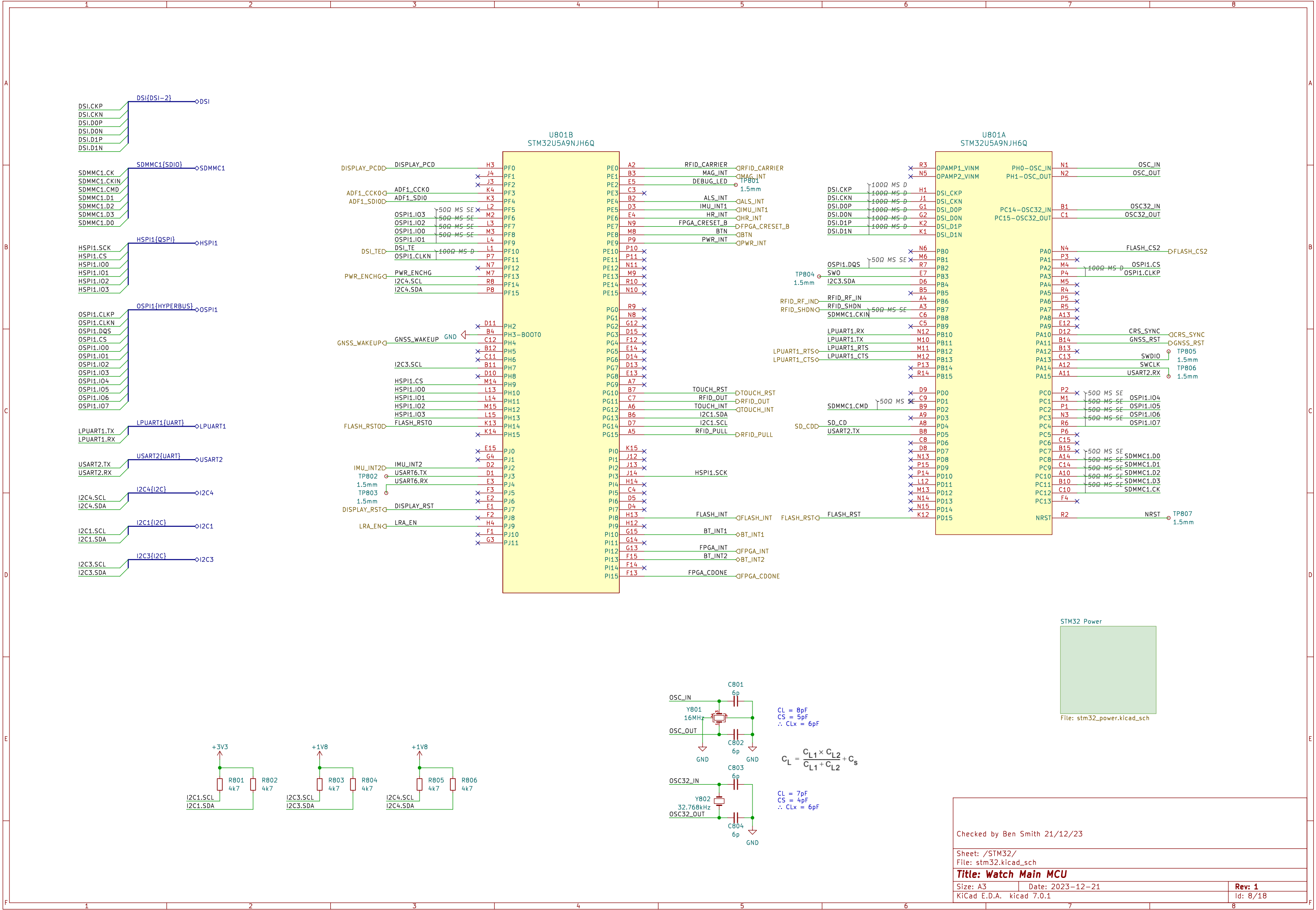


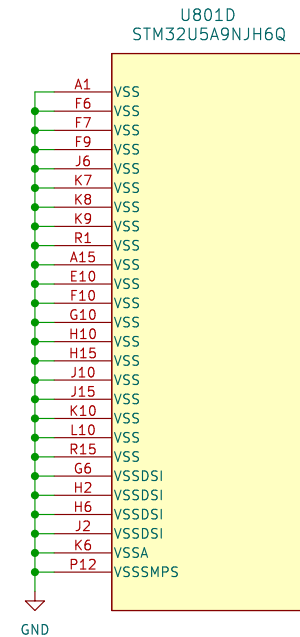
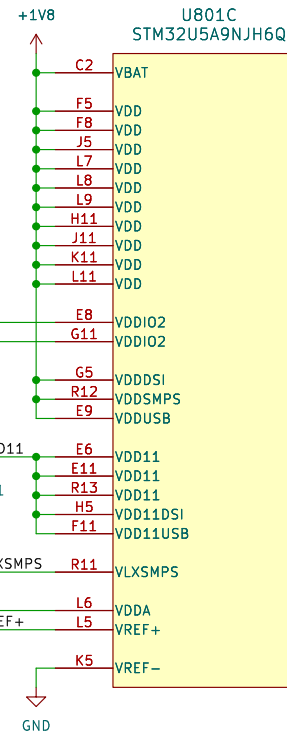
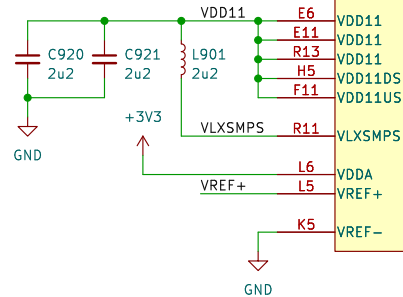
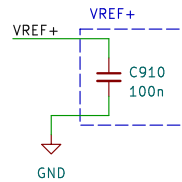
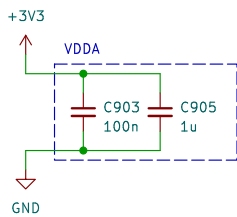
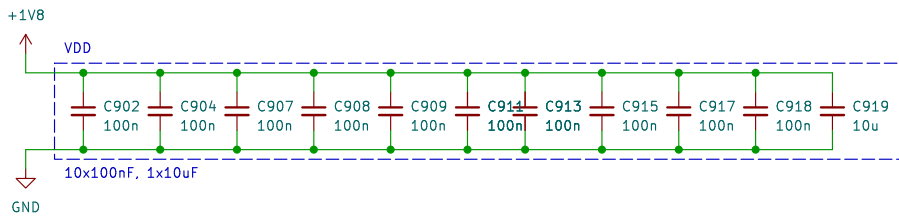
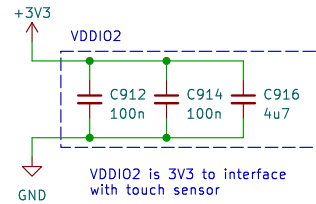
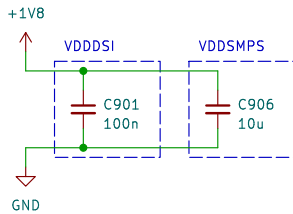




HR sensors address = 0x57
LRA driver address = 0x5A

Checked by Ben Smith 21/12/23		
Sheet: /Daughterboard Connector/ File: daughterboard_connector.kicad_sch		
Title: Watch Daughterboard Connector		
Size: A4	Date: 2023-12-21	Rev: 1
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Sheet: /STM32/STM32 Power/
File: stm32_power.kicad_sch

Title: Watch Main MCU Power

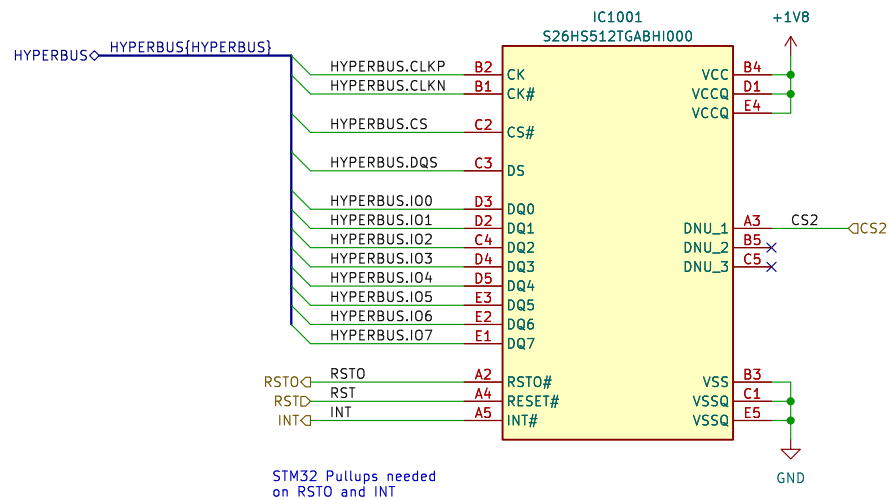
Size: A4

Date:

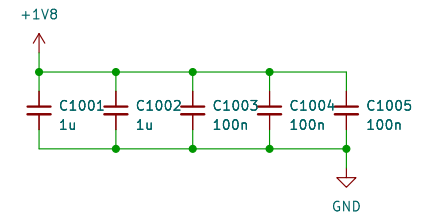
KiCad E.D.A. kicad 7.0.1

Rev: 1

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Used as a second chip
select when flash is
replaced with a ram+flash
dual chip package.



AN211622 – HYPERFLASH and HYPERRAM layout guide
AN224153 – Design and Layout Guide for SEMPER Flash Memory

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Sheet: /Flash/
File: flash.kicad_sch

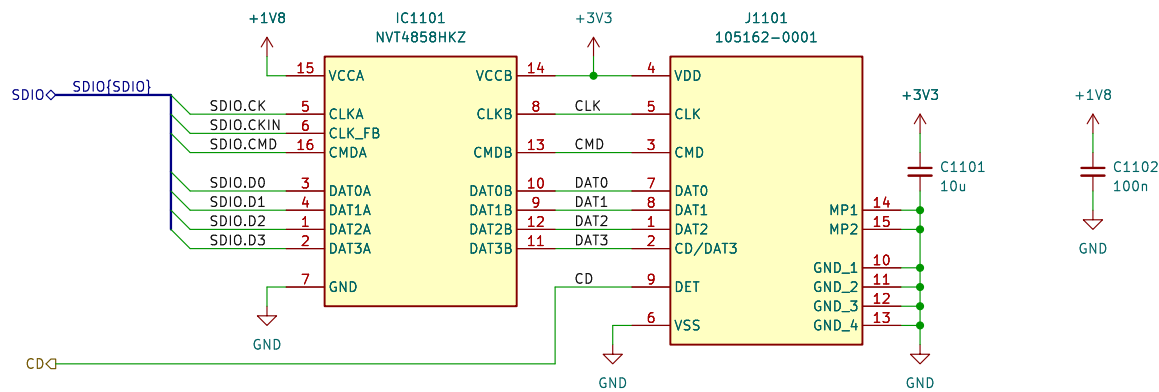
Title: Watch Flash

Size: A4 Date: 2023-12-21

KiCad E.D.A. kicad 7.0.1

Rev: 1

Id: 10/18



Checked by Ben Smith 21/12/23

Sheet: /Micro SD/
File: micro_sd.kicad_sch

Title: Watch Micro SD

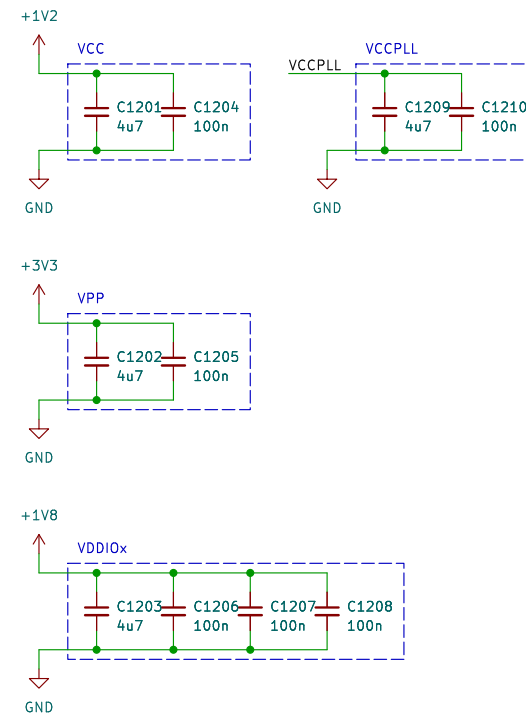
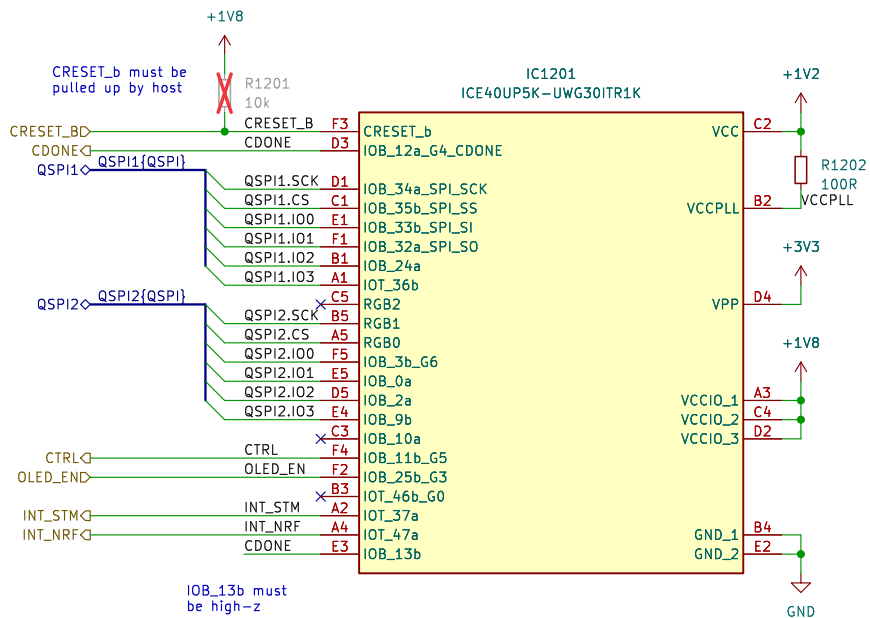
Size: A4

Date:

KiCad E.D.A. kicad 7.0.1

Rev: 1

Id: 11/18



Checked by Ben Smith 21/12/23

Sheet: /FPGA/
File: fpga.kicad_sch

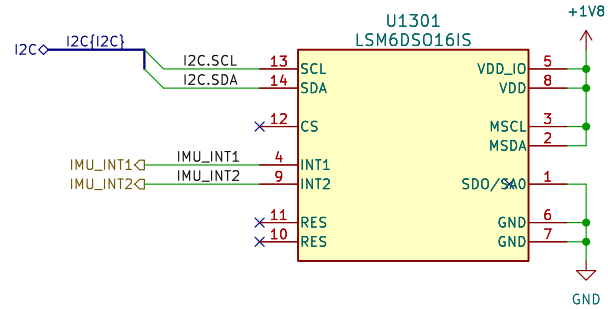
Title: Watch FPGA

Size: A4 Date: 2023-12-21

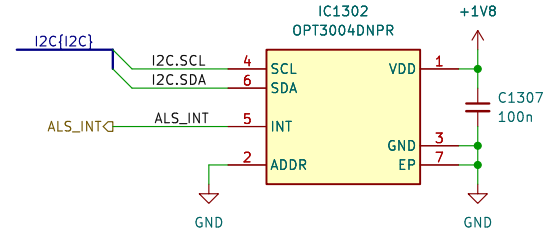
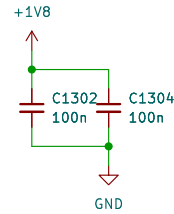
KiCad E.D.A. kicad 7.0.1

Rev: 1

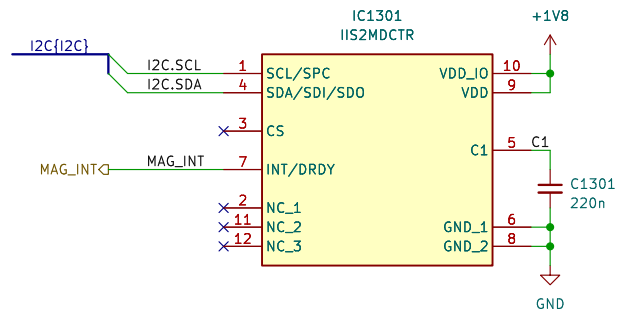
Id: 12/18



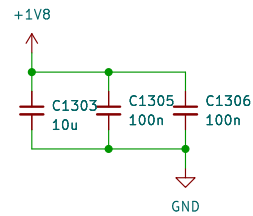
Typical application: LSM6DS016IS datasheet p25
Address = 0x6A (SA0=0)



Typical application: OPT3004 datasheet p19
Address = 0x44 (ADDR=0)



Typical application: IIS2MDCTR datasheet p19
Address = 0x1E



Checked by Ben Smith 21/12/23

Sheet: /Sensors/
File: sensors.kicad_sch

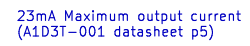
Title: Watch Sensors

Size: A4 Date: 2023-12-21

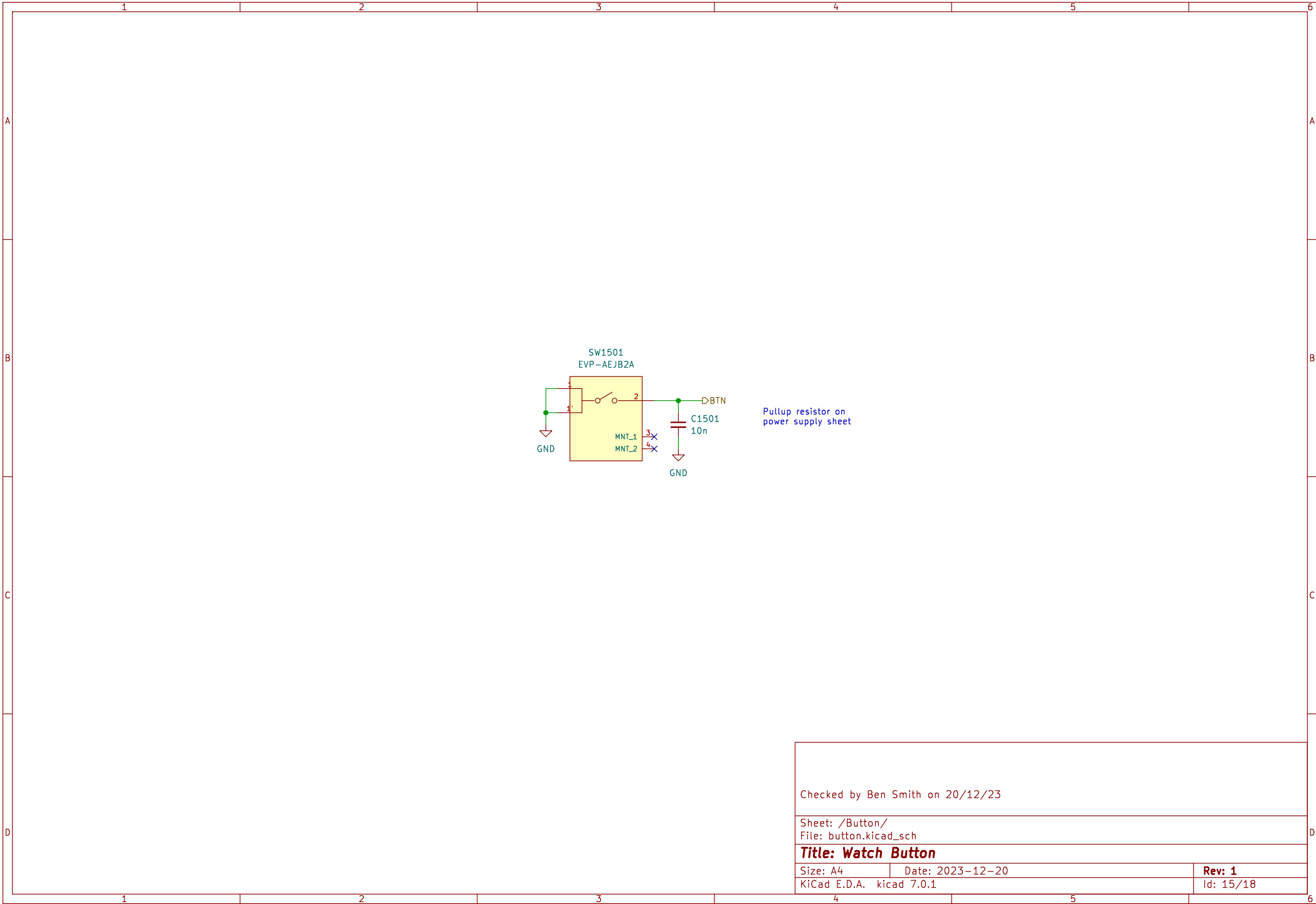
KiCad E.D.A. kicad 7.0.1

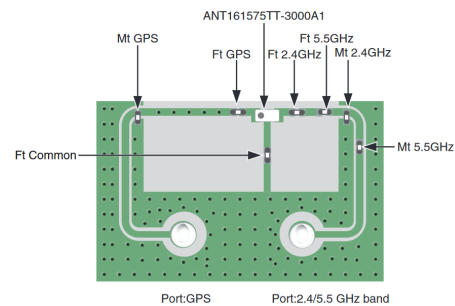
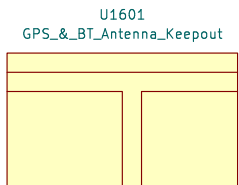
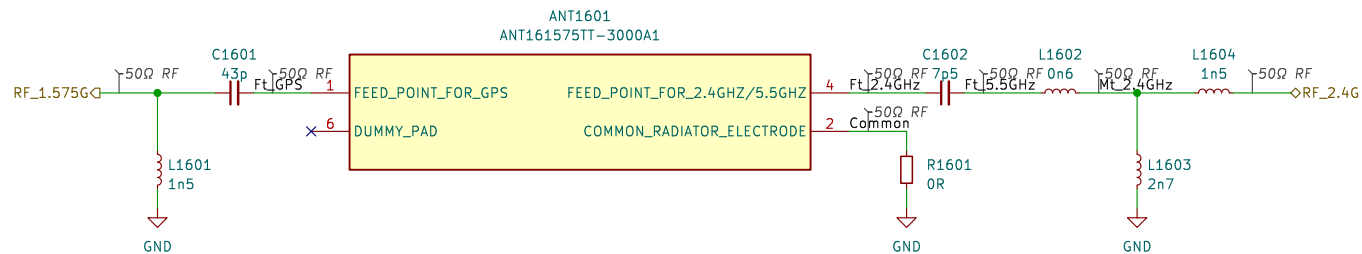
Rev: 1

Id: 13/18



Id: 14/18





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Sheet: /Antenna/
File: antenna.kicad_sch

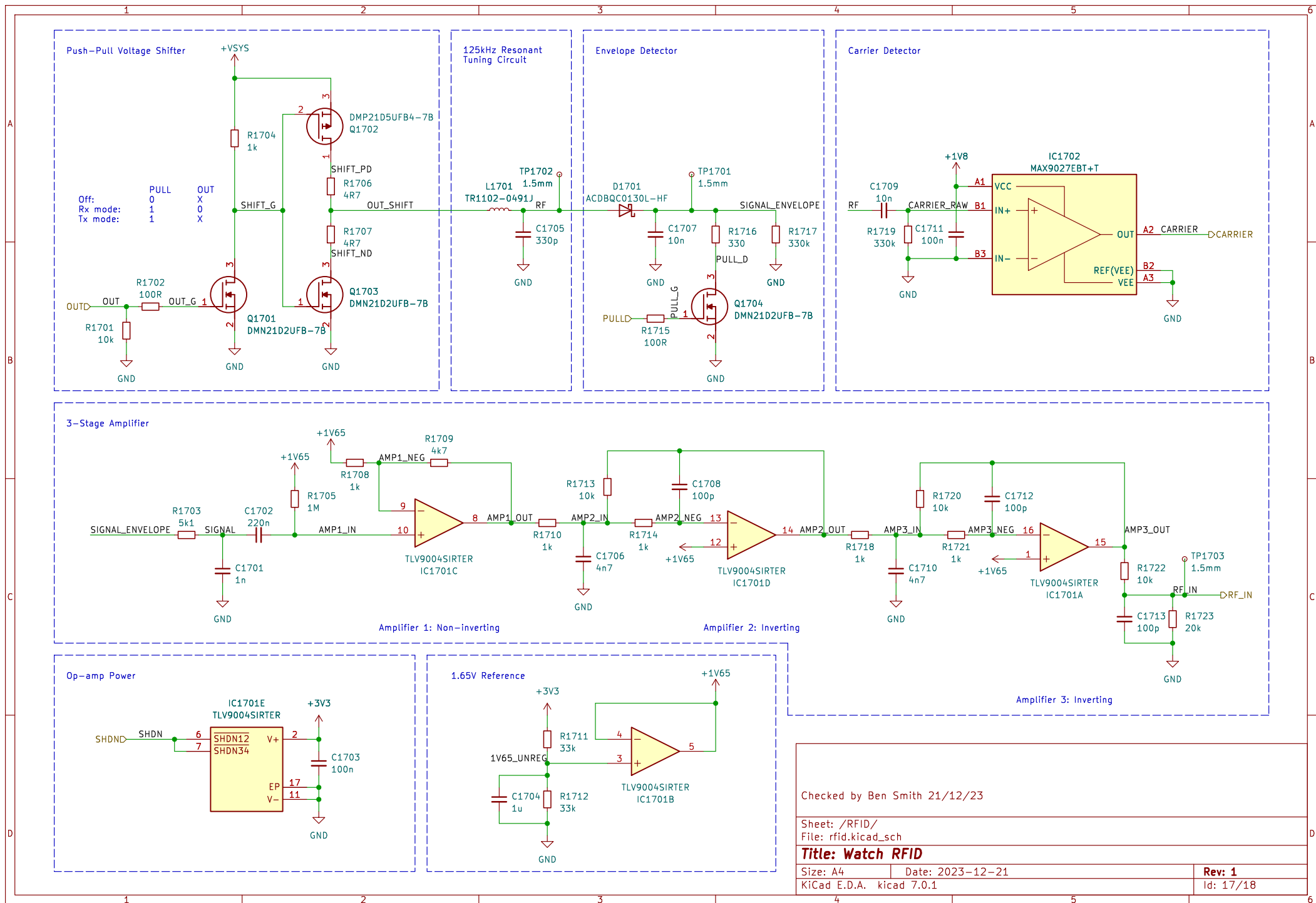
Title: Watch Antenna

Size: A4 Date: 2023-12-21

KiCad E.D.A. kicad 7.0.1

Rev: 1

Id: 16/18



Checked by Ben Smith 21/12/23

Sheet: /RFID/
File: rfid.kicad_sch

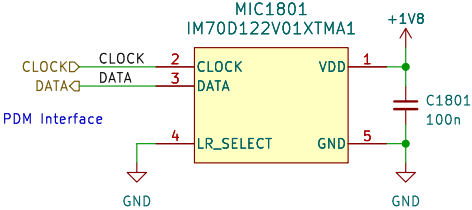
Title: Watch RFID

Size: A4 Date: 2023-12-21

KiCad E.D.A. kicad 7.0.1

Rev: 1

Id: 17/18



Checked by Ben Smith on 20/12/23

Sheet: /Microphone/
File: microphone.kicad_sch

Title: Watch Microphone

Size: A4 Date: 2023-12-20

KiCad E.D.A. kicad 7.0.1

Rev: 1
Id: 18/18