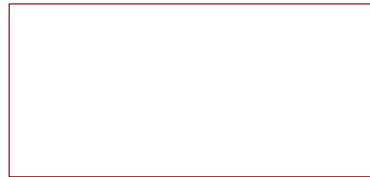


MCU_Sheet



File: MCU_Sheet.kicad_sch

Power_Managment_Sheet



File: Power_Managment_Sheet.kicad_sch

Sensors_Sheet



File: Sensors_Sheet.kicad_sch

MrT Stephens

Sheet: /

File: Watchy-MrT-ESP32-S3-V1.kicad_sch

Title: Watchy-Esp32-s3

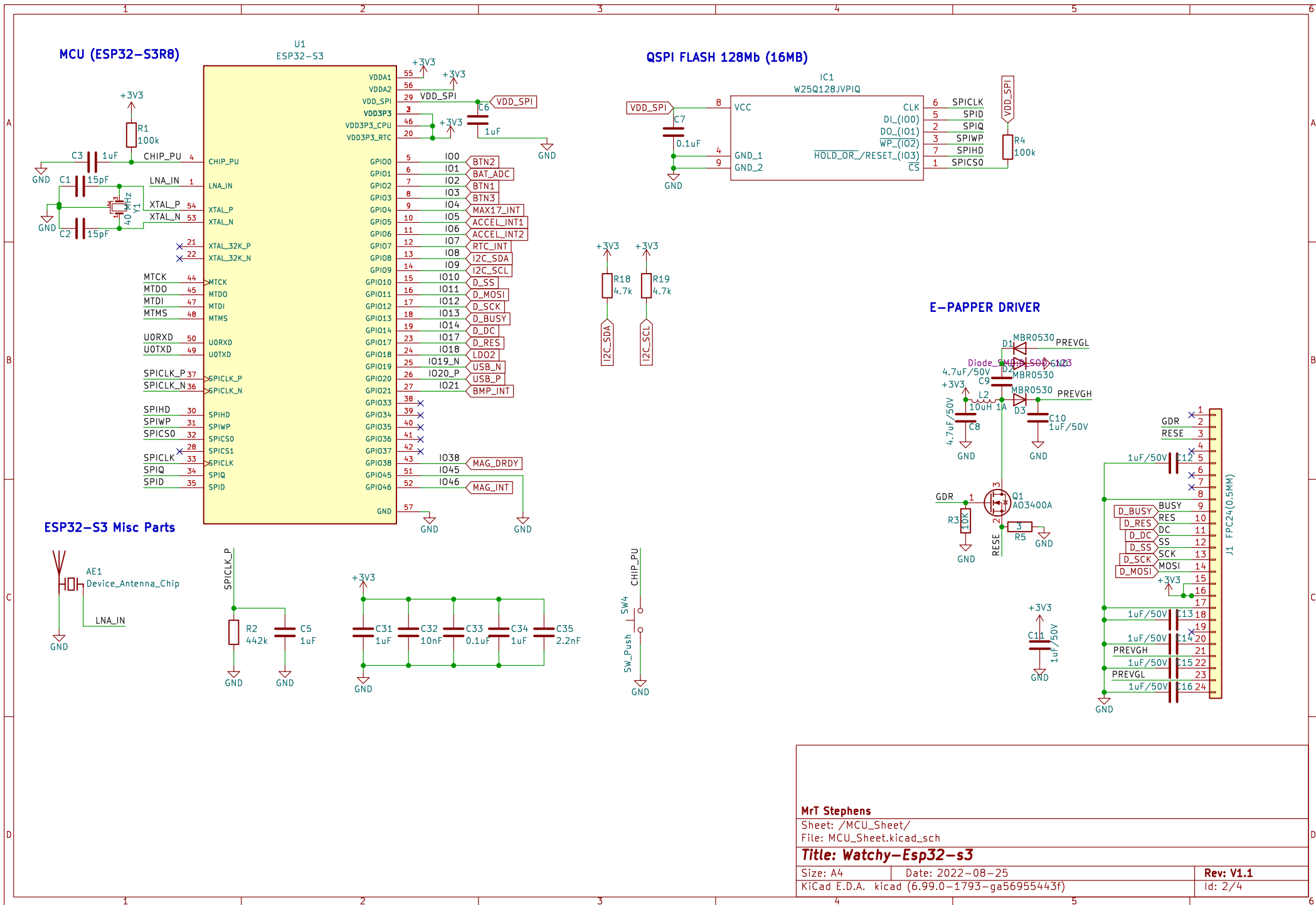
Size: A4

Date: 2022-08-25

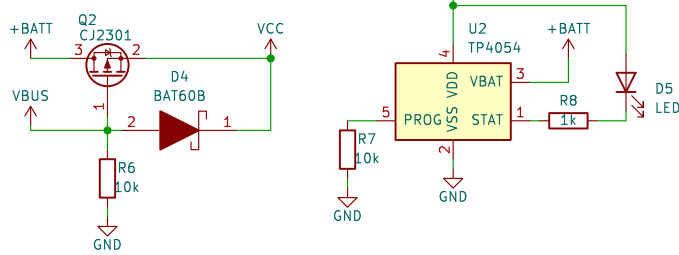
Rev: V1.1

KiCad E.D.A. kicad (6.99.0-1793-ga56955443f)

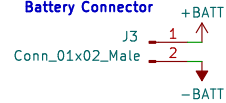
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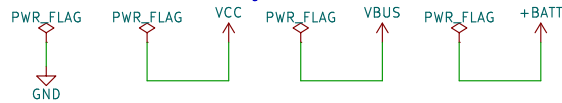
Bat Charge + Protection



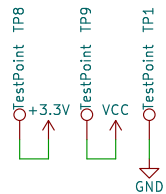
Battery Connector



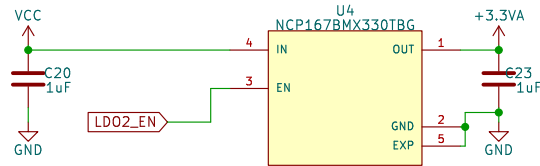
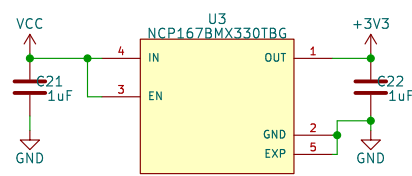
Power Flags



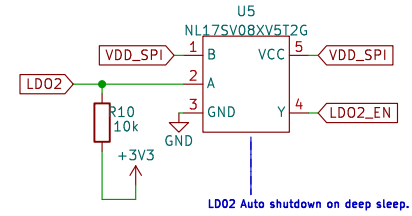
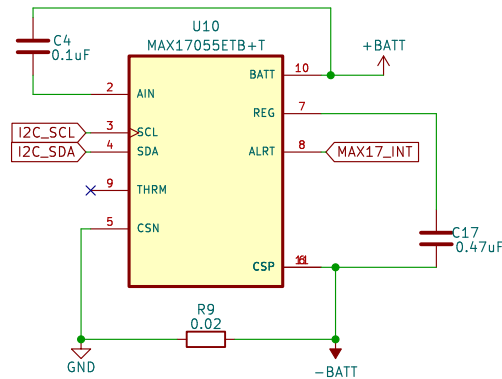
Test Points



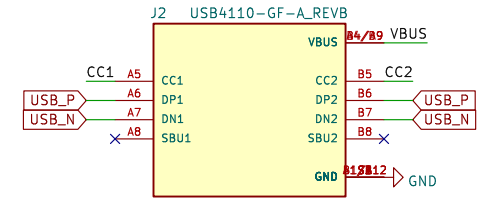
3V3 Voltage Regulators



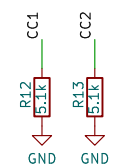
Battery Coulometer



LD02 Auto shutdown on deep sleep.



Type C port



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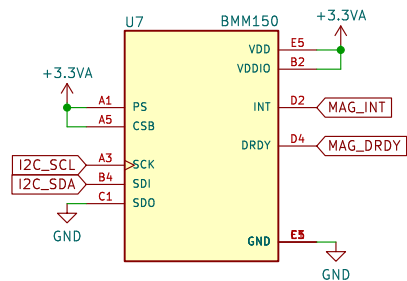
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File: Power_Managment_Sheet.kicad_sch

Title: Watchy-Esp32-s3

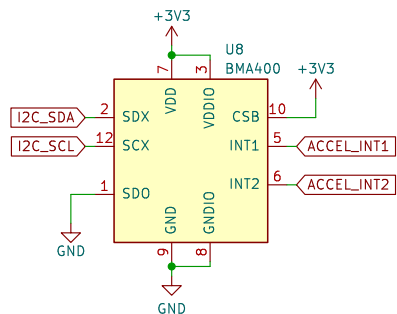
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KiCad E.D.A. kicad (6.99.0-1793-ga56955443f)

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Id: 3/4

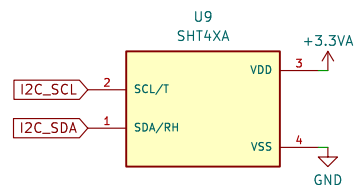
Mag Sensor (BMM150)



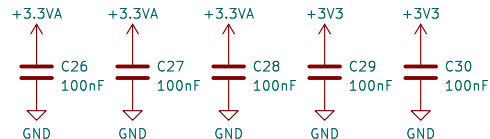
Accel Sensor (BMA400)



Temp Sensor (SHT41A)

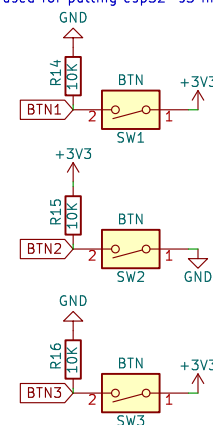


Decoupling Caps for sensors

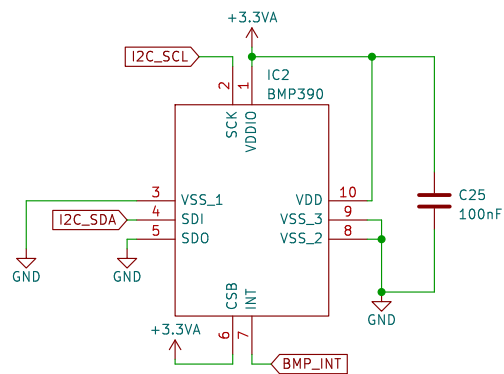


Users Buttons

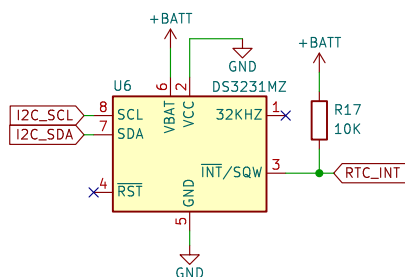
BTN2 also used for putting esp32-s3 into boot mode



Pressure Sensor (BMP390)



DS3221MZ Real Time Clock



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Sheet: /Sensors_Sheet/
File: Sensors_Sheet.kicad_sch

Title: Watchy-Esp32-s3

Size: A4 Date: 2022-08-25
KiCad E.D.A. kicad (6.99.0-1793-ga56955443f)

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Id: 4/4