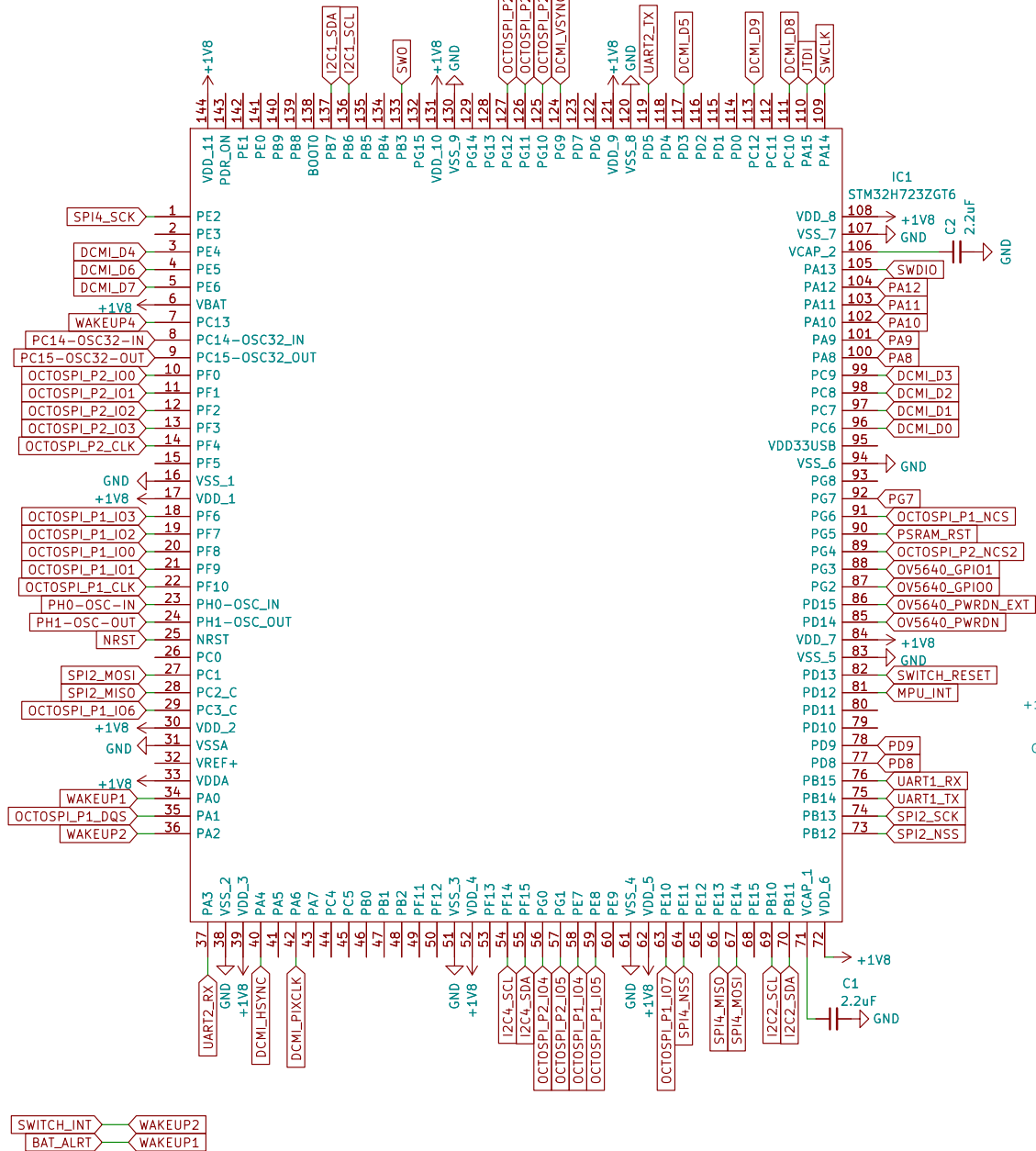
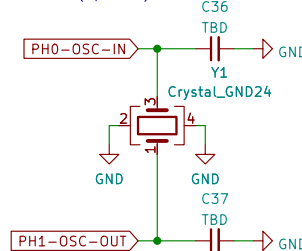


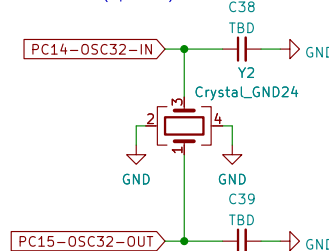
Main MCU



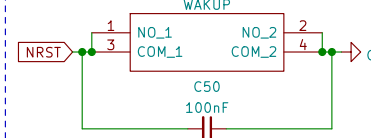
External HSE Clk (Optional)



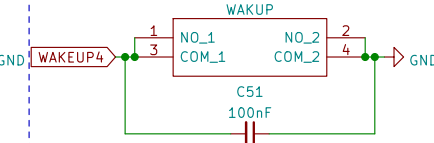
External LSE Clk (Optional)



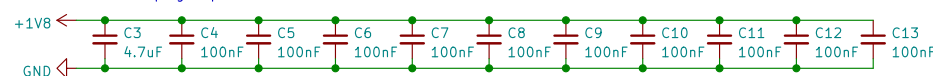
RST Button



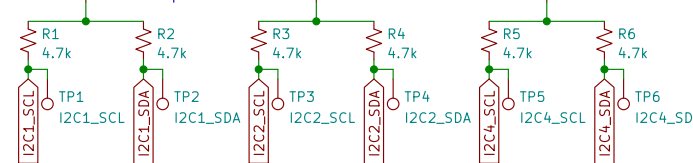
Wakeup Button



Decoupling Caps



Pullup Resistors



Sheet: /
File: OBCProto.kicad_sch

Title: OBC Prototype Development Board

Size: A4 Date: 2023-02-14

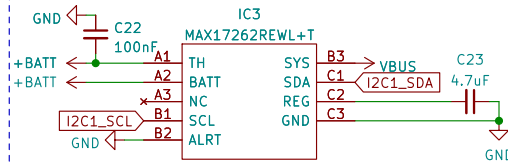
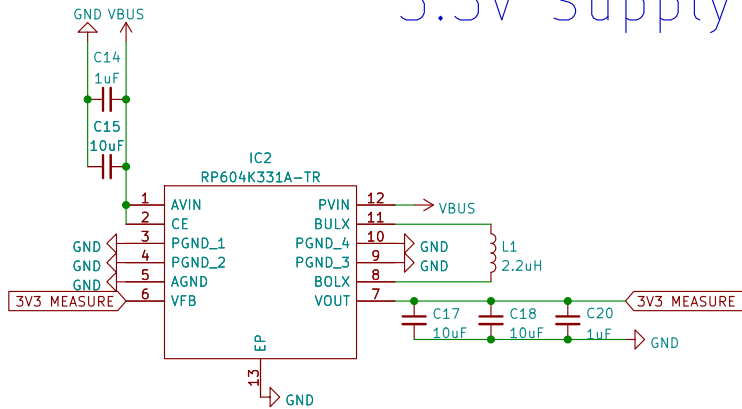
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Rev: Rev1

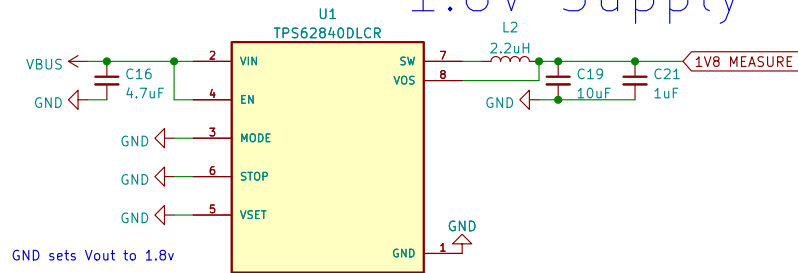
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3.3V Supply

Fuel Gauge



1.8V Supply



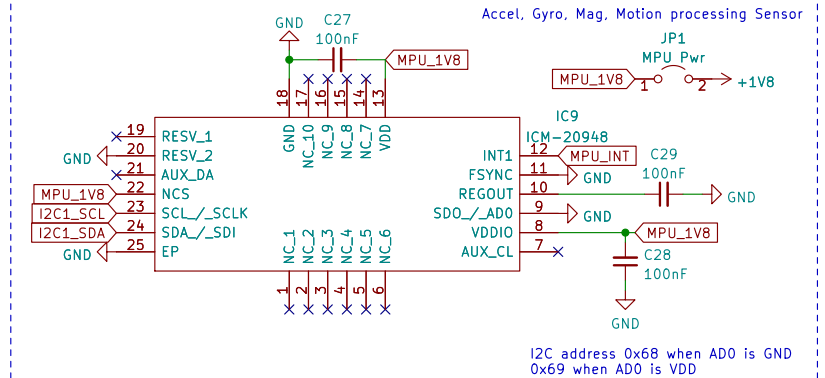
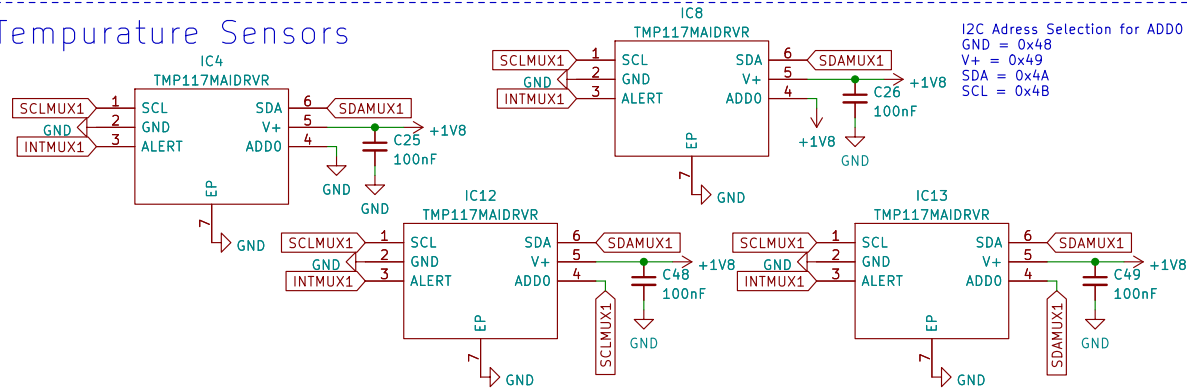
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Title: OBC Prototype Development Board

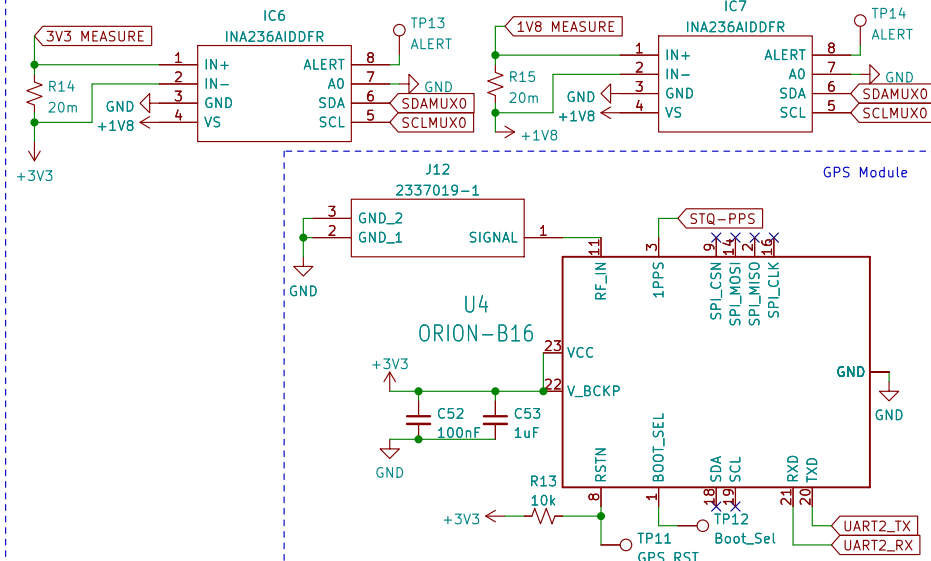
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Rev: Rev1
Id: 3/5

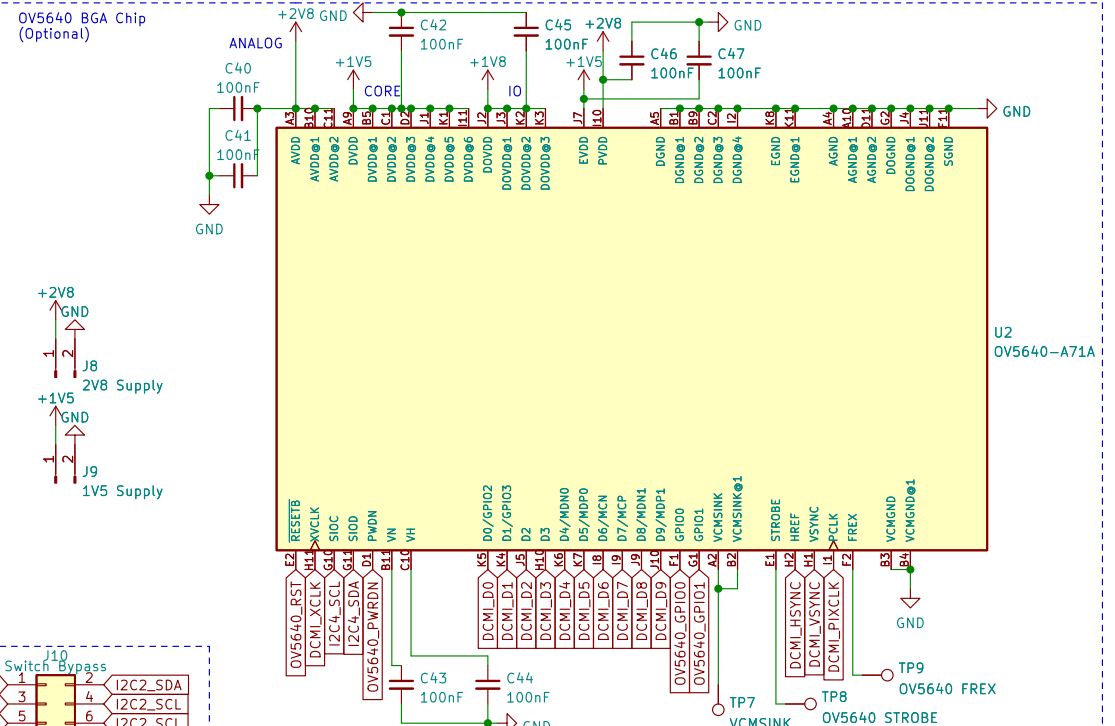
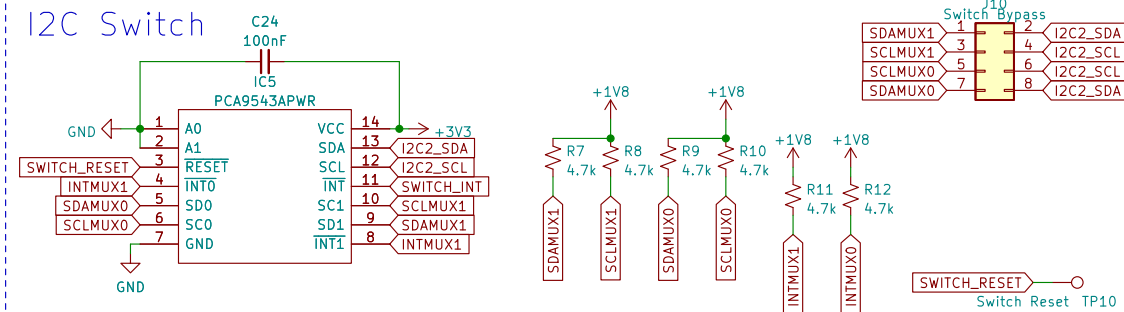
Temperature Sensors



Current Sensors



I2C Switch



Sheet: /PeripheralSensors/
File: PeripheralSensors.kicad_sch

Title: OBC Prototype Development Board

Size: A4	Date: 2023-02-14
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KiCad E.D.A.	kicad (6.0.10)
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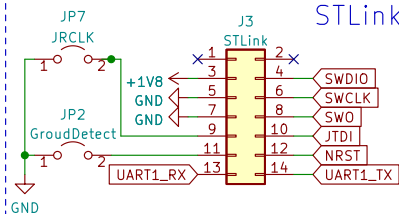
Rev: Rev1

Id: 3/5

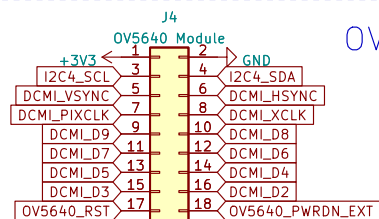
External Power Connectors



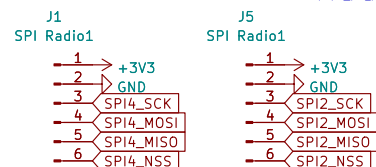
STLink Debug Connector



OV5640 Module



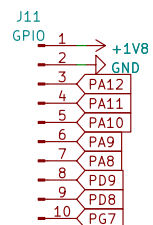
Radio Connectors



Extra UART



Extra GPIO



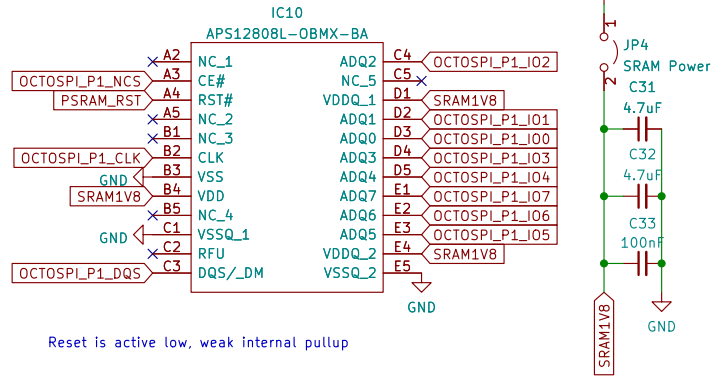
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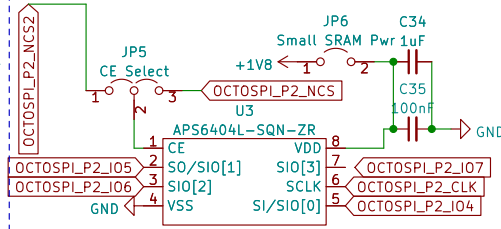
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Rev: Rev1
Id: 4/5

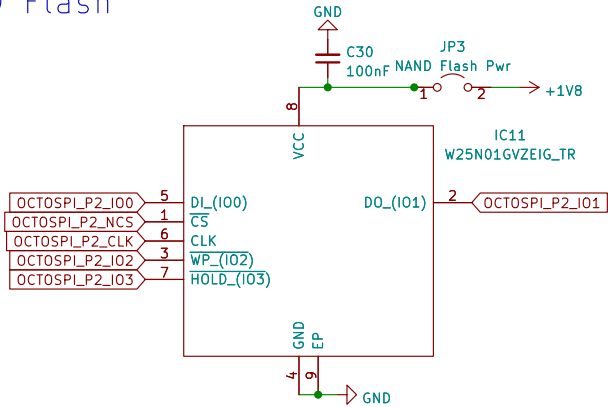
External SRAM



(Optional) Smaller SRAM



NAND Flash



Sheet: /memory/
File: memory.kicad_sch

Title: OBC Prototype Development Board

Size: A4 Date: 2023-02-14
KiCad E.D.A. kicad (6.0.10)

Rev: Rev1
Id: 5/5