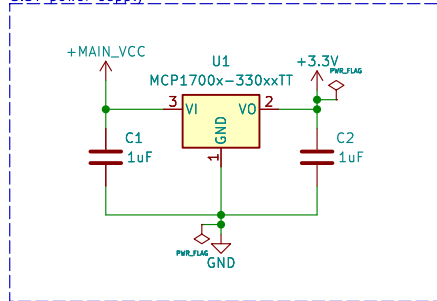
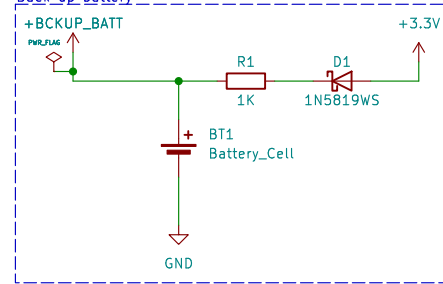


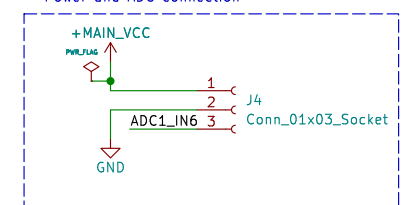
3.3V power supply



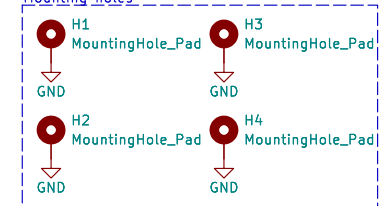
Back up battery



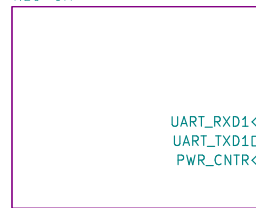
Power and ADC connection



Mounting holes

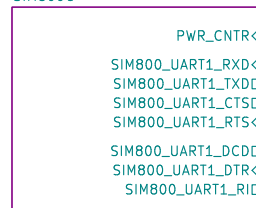


NEO-6M



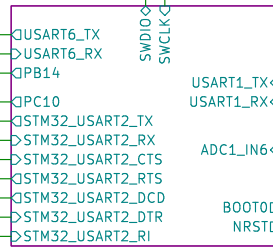
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SIM800C



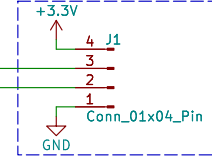
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STM32F401RCT6

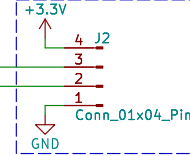


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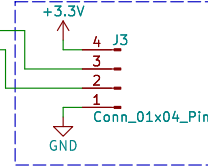
SWDIO



UART



BOOT and NRST



Sheet: /

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Title: TSTracker

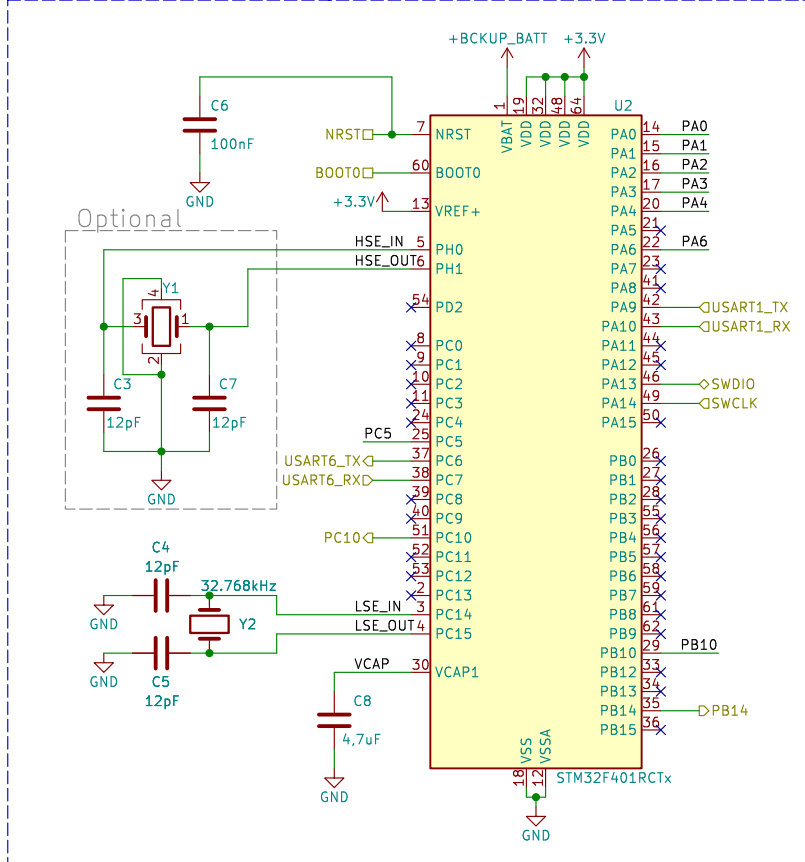
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KiCad E.D.A. 8.0.1

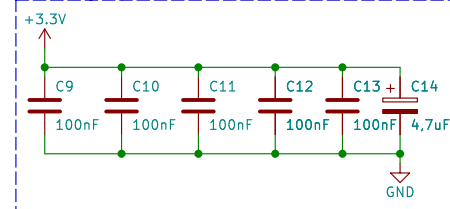
Rev: 1

Id: 1/4

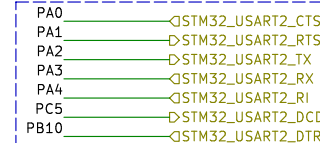
STM32F401RCT6 with basic oscillator configuration



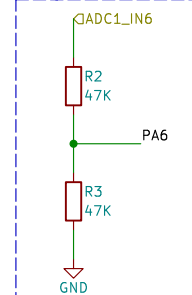
Decoupling capacitors



UART connection to SIM800



Voltage divider for ADC



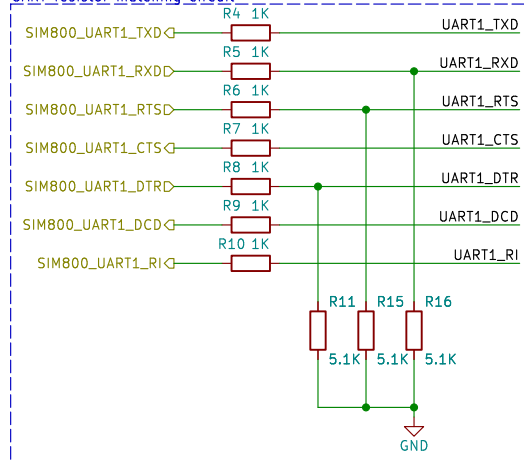
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Title: TSTracker

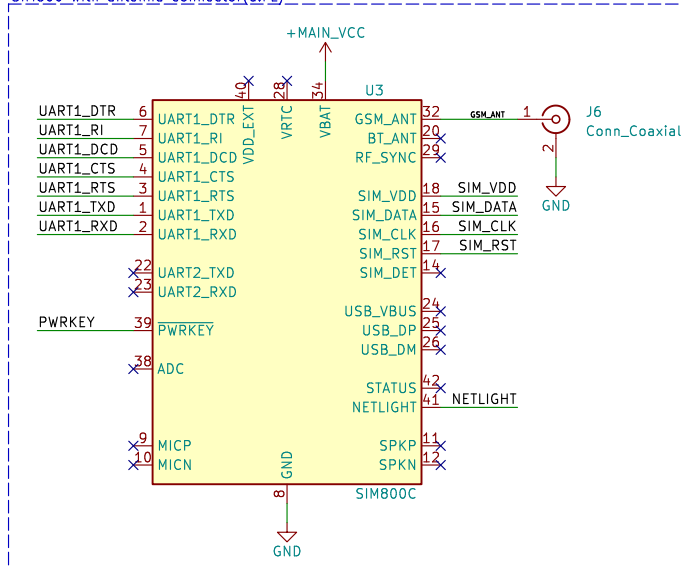
Size: A4 Date: 2023-11-01
KiCad E.D.A. 8.0.1

Rev: 1
Id: 2/4

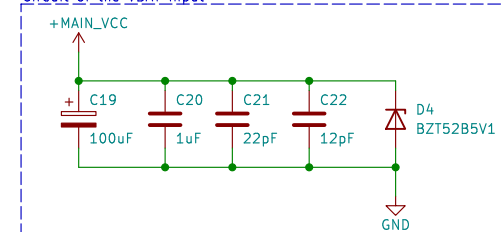
UART resistor matching circuit



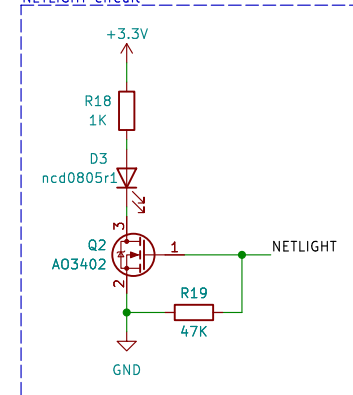
SIM800 with antenna connector(u.FL)



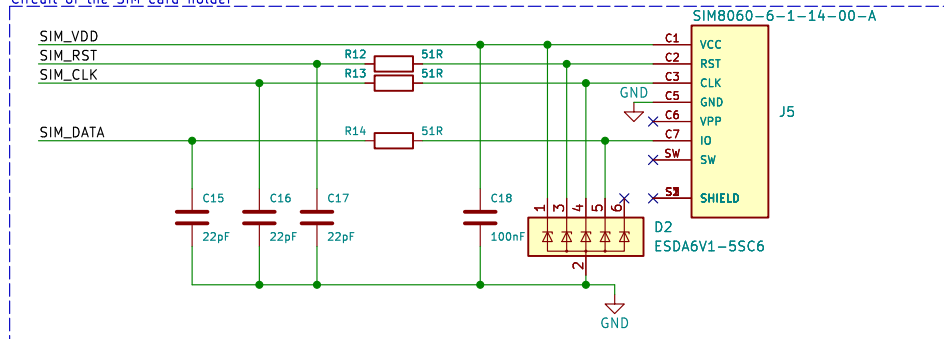
Circuit of the VBAT input



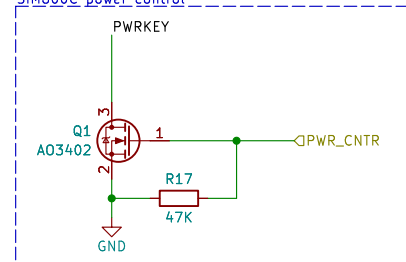
NETLIGHT circuit



Circuit of the SIM card holder



SIM800C power control



Sheet: /SIM800C/
File: SIM800C.kicad_sch

Title: TSTracker

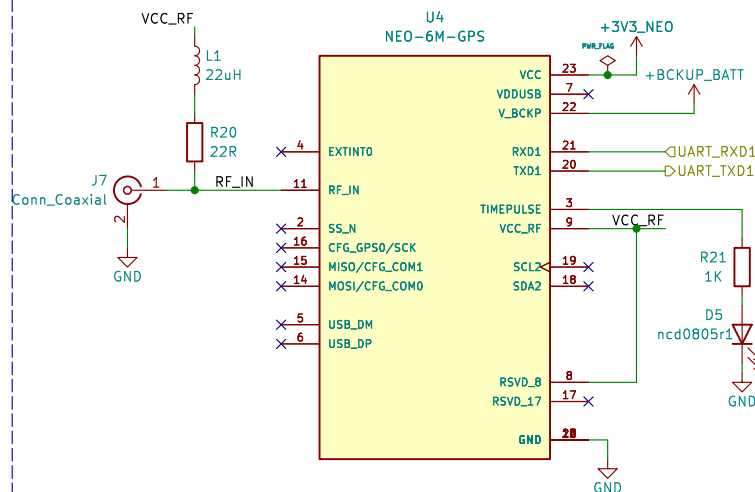
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KiCad E.D.A. 8.0.1

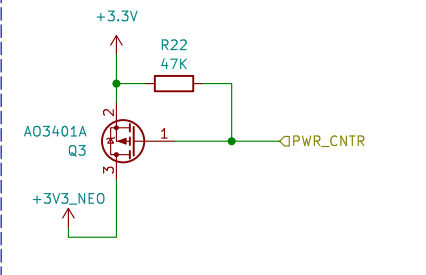
Rev: 1

Id: 3/4

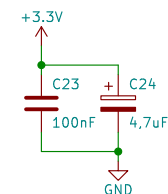
GPS module with antenna circuit



Transistor switch



Decoupling capacitors



Sheet: /NEO-6M/
File: NEO-6M.kicad_sch

Title: TSTracker

Size: A4 Date: 2023-11-01

KiCad E.D.A. 8.0.1

Rev: 1

Id: 4/4