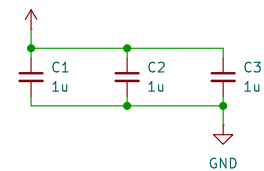




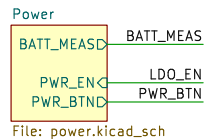
AVDD, IOVDD, DVDD decoupling

+3V3

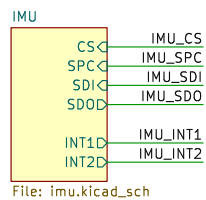
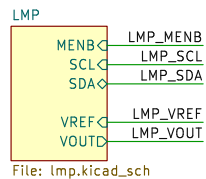


simplified according to AN933.2 with no DCDC

Power section

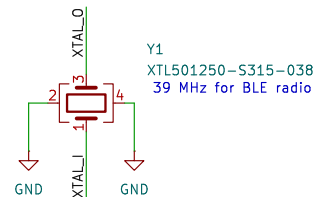


Peripherals

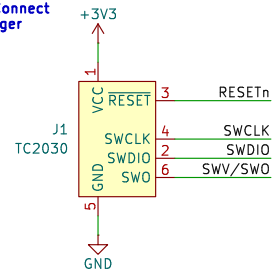


HF crystal

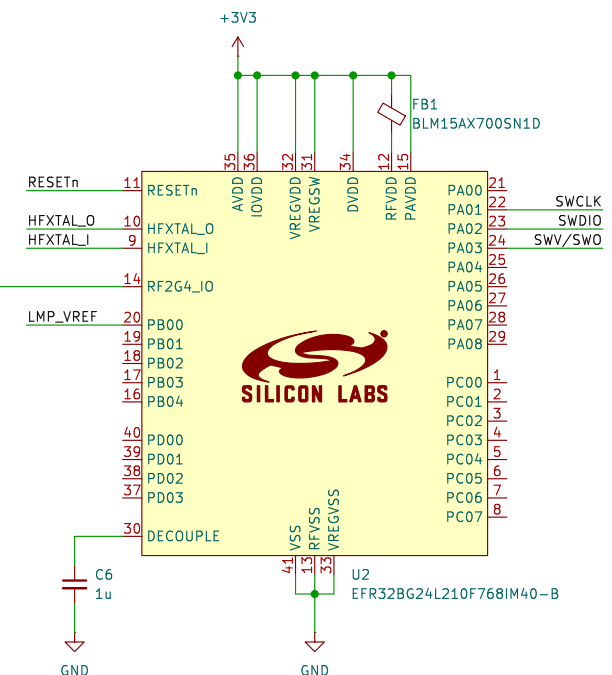
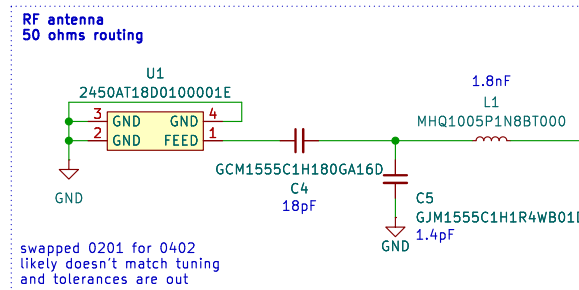
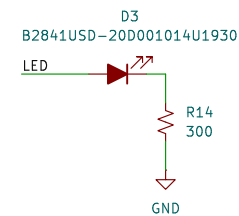
see AN0016.2



Tag-Connect Debugger



User LED



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Sheet: /
File: lmp91000-pcb.kicad_sch

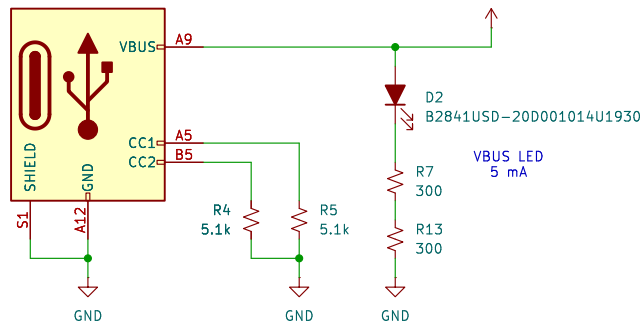
Title: LMP91000 Portable Potentiostat

Size: A4	Date: 2026-01-26
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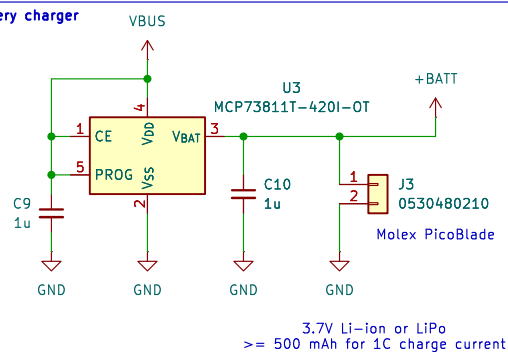
KiCad E.D.A. 9.0.5

Rev:
Id: 1/4

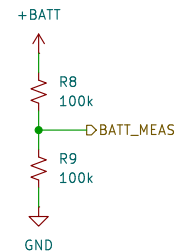
USB-C Power Only J2 UJC-H-G-SMT-2-P6-TR



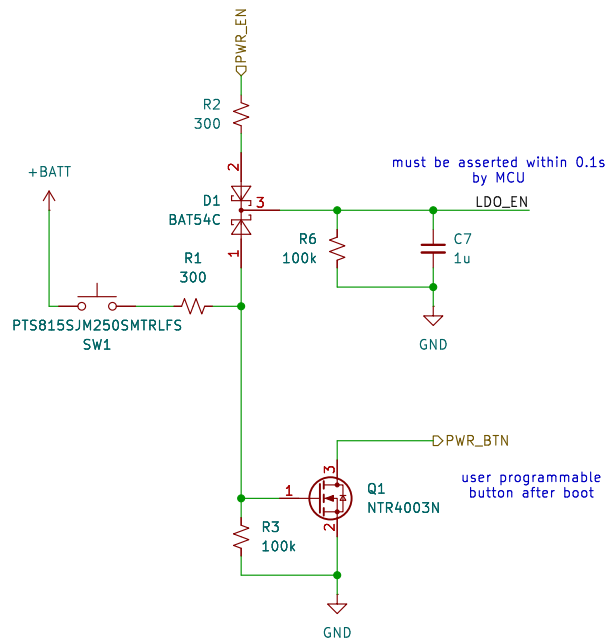
Battery charger



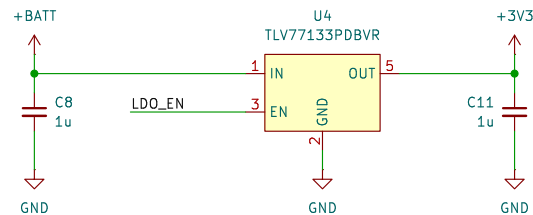
Battery measurement



Latching power button



3.3V 150mA LDO



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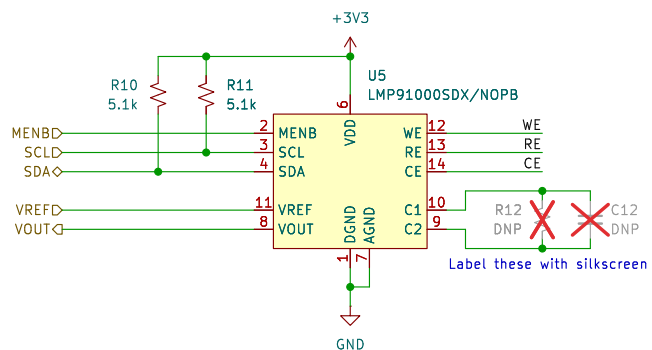
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Title: LMP91000 Portable Potentiostat

Size: A4 Date: 2026-01-26
KiCad E.D.A. 9.0.5

Rev:
Id: 2/4

LMP91000 AFE potentiostat



Electrode connectors

CE 1
WE 2 J6
RE 3 Conn_01x03_Pin

CE 1
WE 2 J4
RE 3 TB003-500-P03BE

CE 1
WE 2 J5
RE 3 0528070310

EP-N electrodes
Molex 0528060310 FPC connector
Molex 0528070310 FPC connector

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Sheet: /LMP/
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Title: LMP91000 Portable Potentiostat

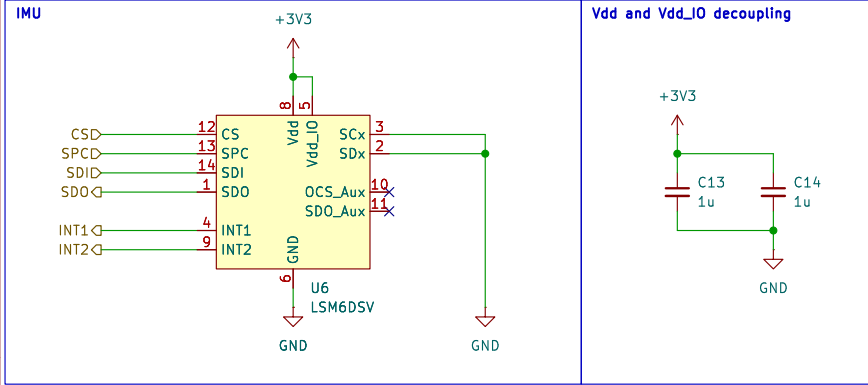
Size: A4

Date: 2026-01-26

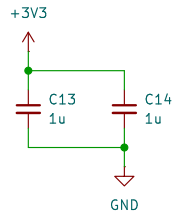
Rev:

KiCad E.D.A. 9.0.5

Id: 3/4



Vdd and Vdd_IO decoupling



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Sheet: /IMU/
File: imu.kicad_sch

Title: LMP91000 Portable Potentiostat

Size: A4

Date: 2026-01-26

Rev:

KiCad E.D.A. 9.0.5

Id: 4/4