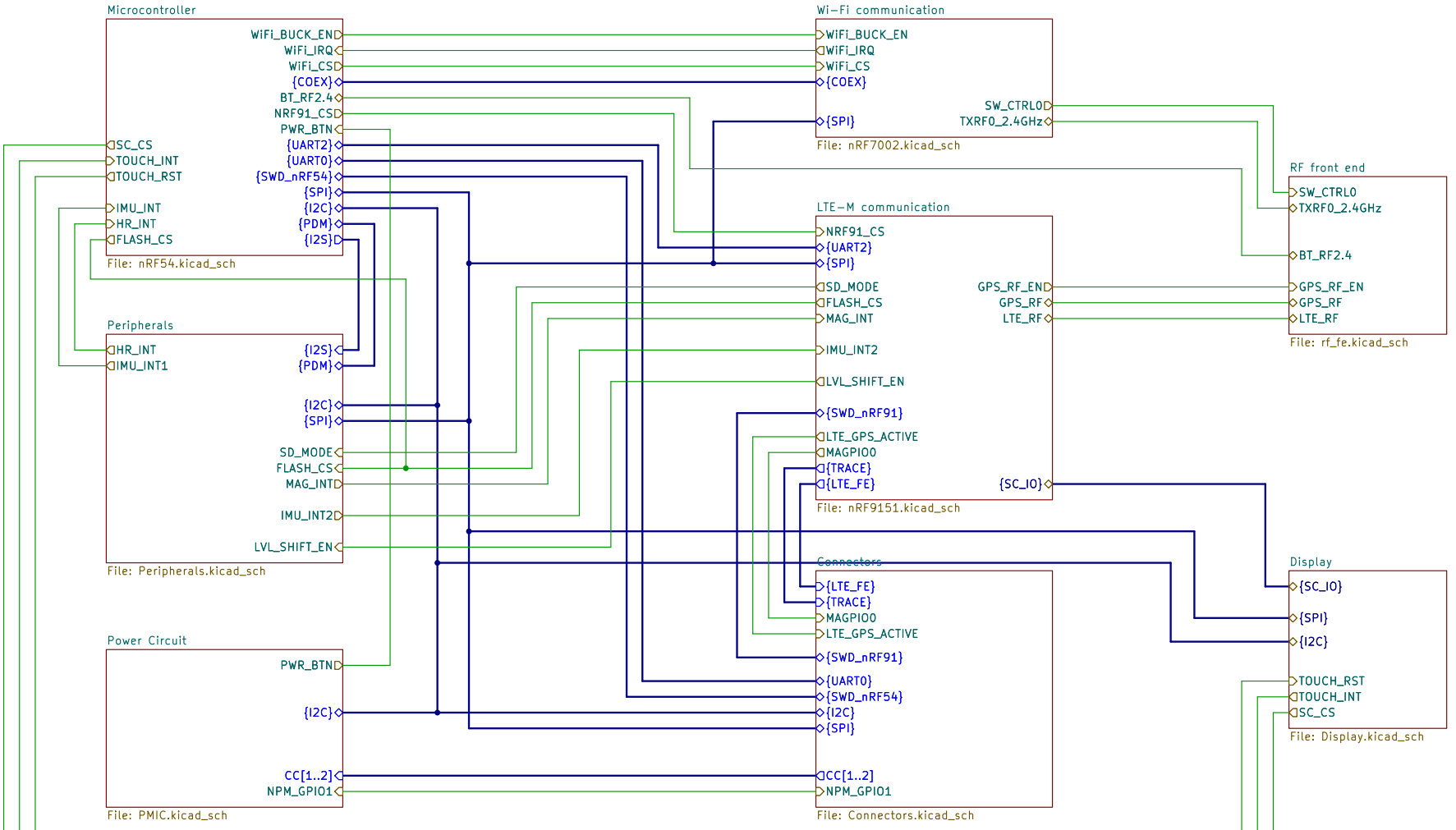


add power seperation points
(solder bridge, 0 ohm, jumper)

Main page overview of the project with links to sub sheets

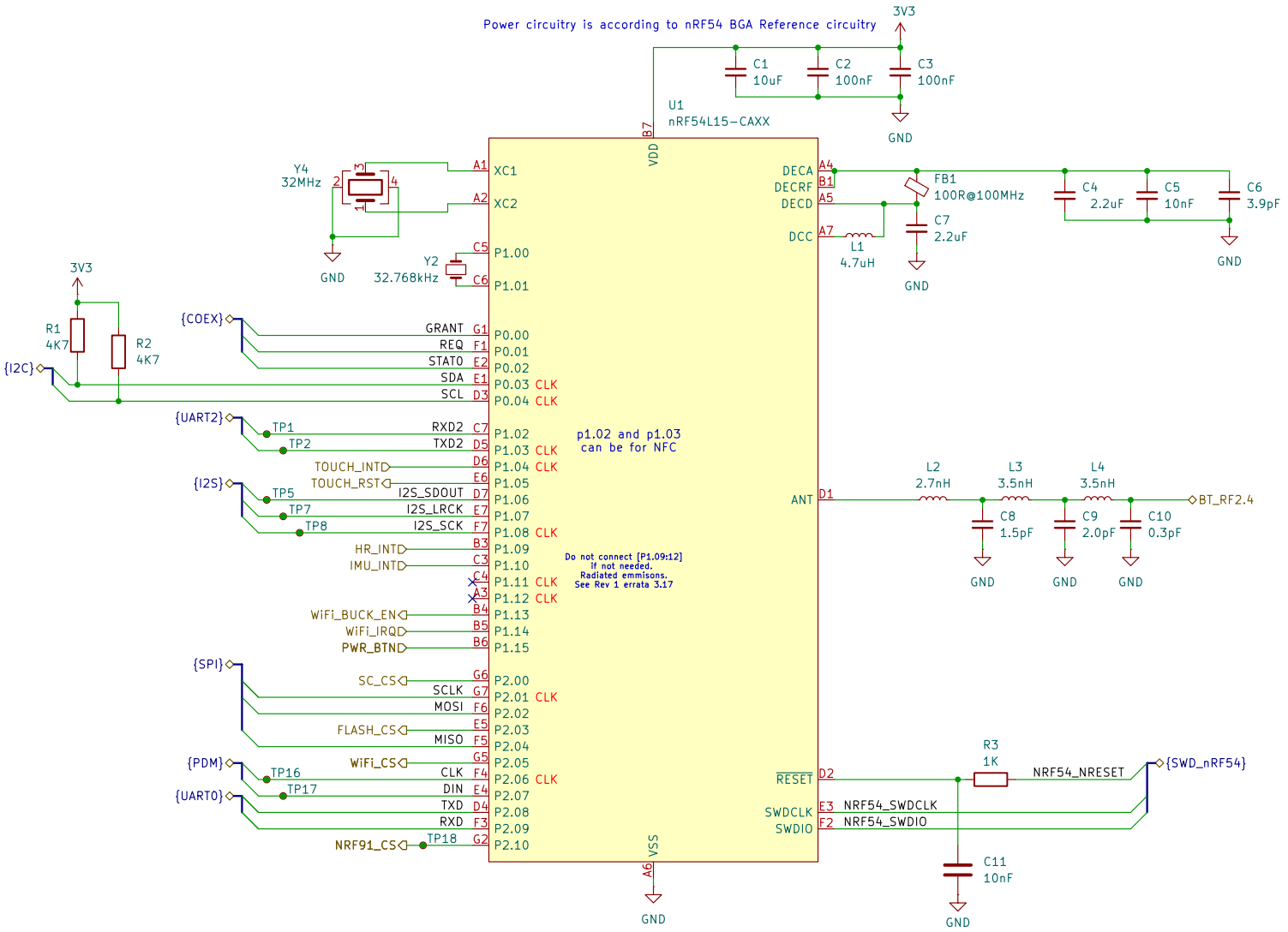
Designed in KiCAD 9.0.1

Insyght

Sheet: /
File: gst-hw.kicad_sch

Title: Main Page

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 1/9



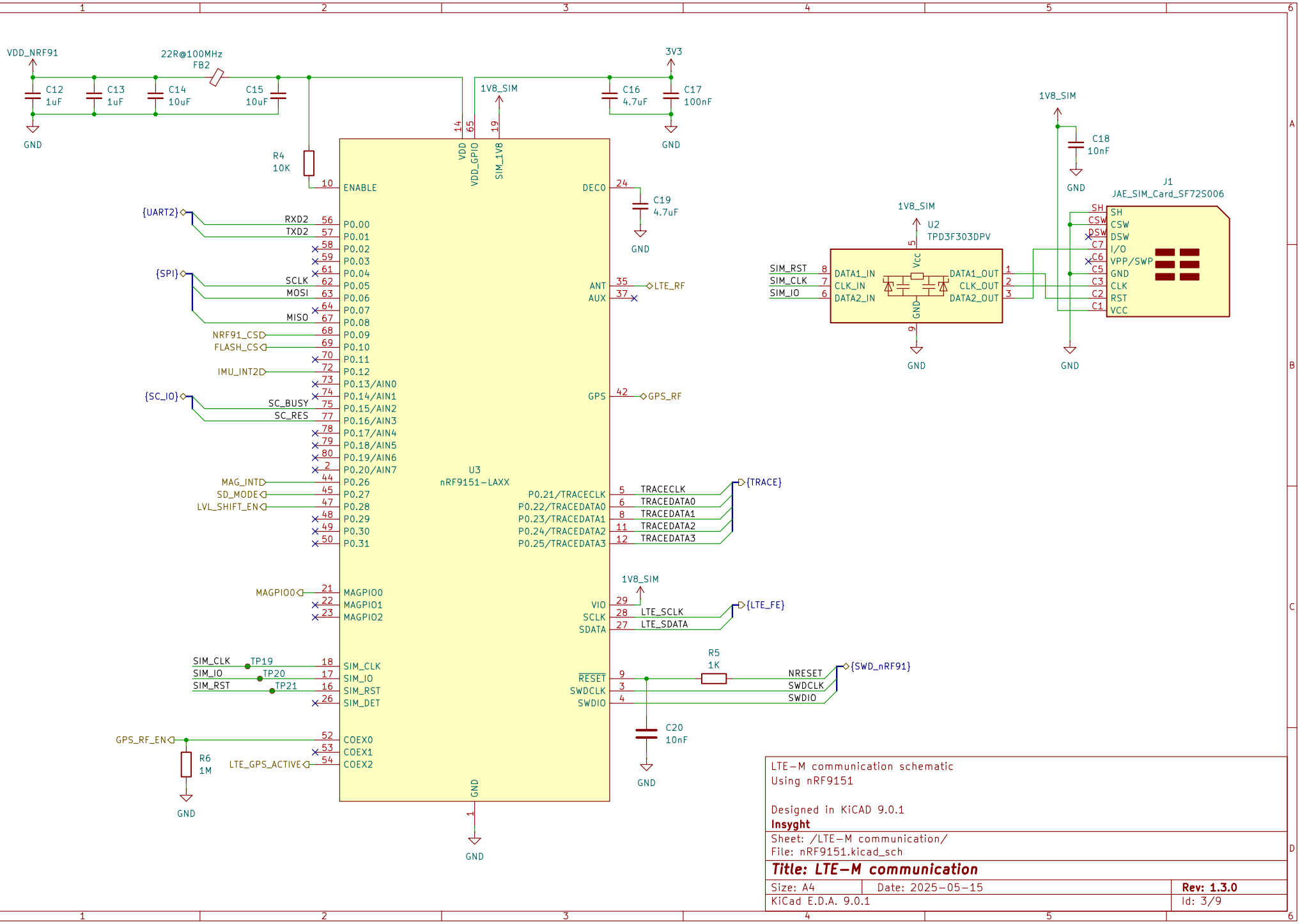
Microcontroller schematic
Using nRF54L15

Designed in KiCAD 9.0.1
Insyght

Sheet: /Microcontroller/
File: nRF54.kicad_sch

Title: Microcontroller

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 2/9



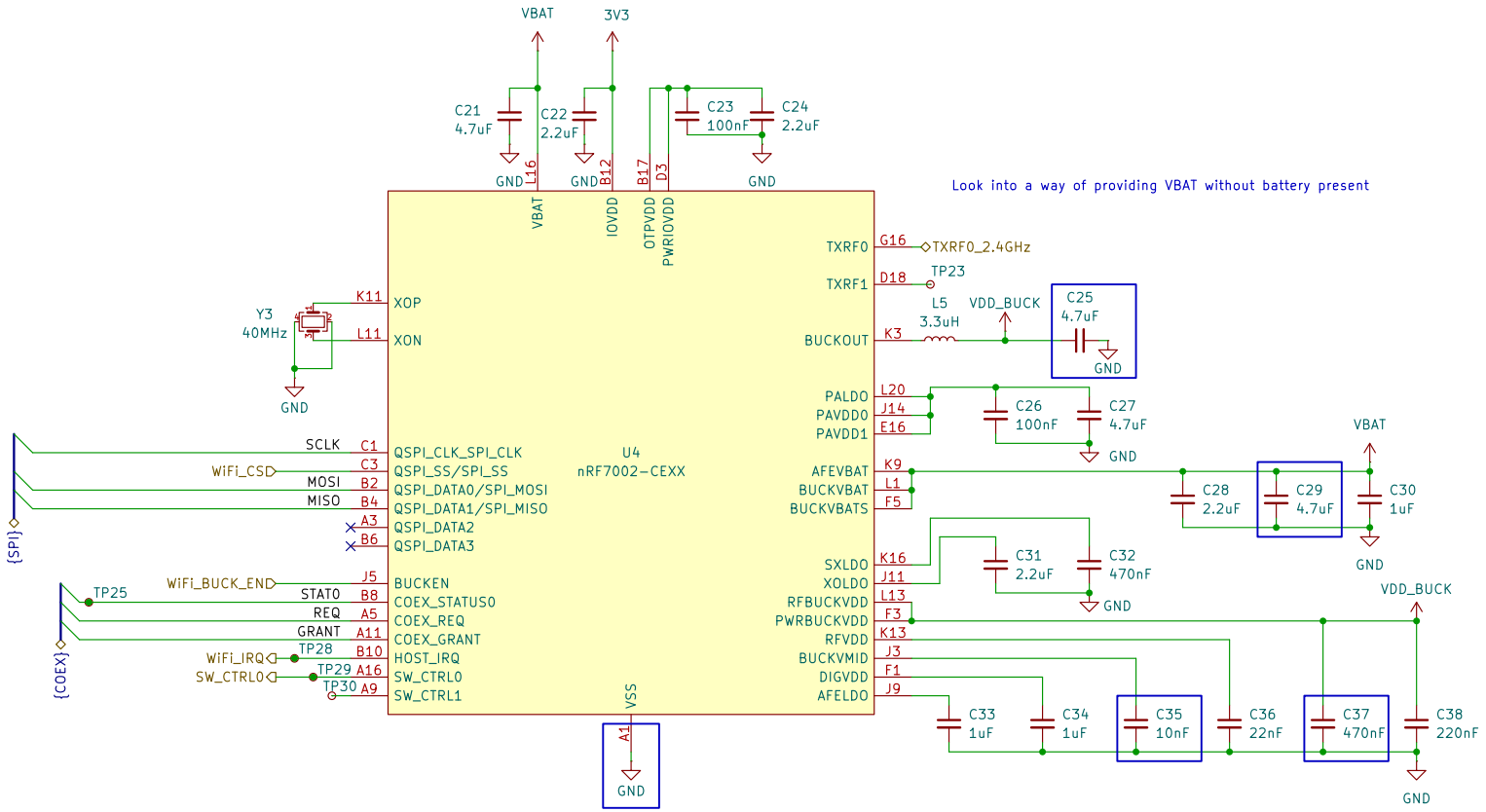
LTE-M communication schematic
Using nRF9151

Designed in KiCAD 9.0.1
Insyght

Sheet: /LTE-M communication/
File: nRF9151.kicad_sch

Title: LTE-M communication

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 3/9



Wi-Fi communication schematic
Using nRF7002

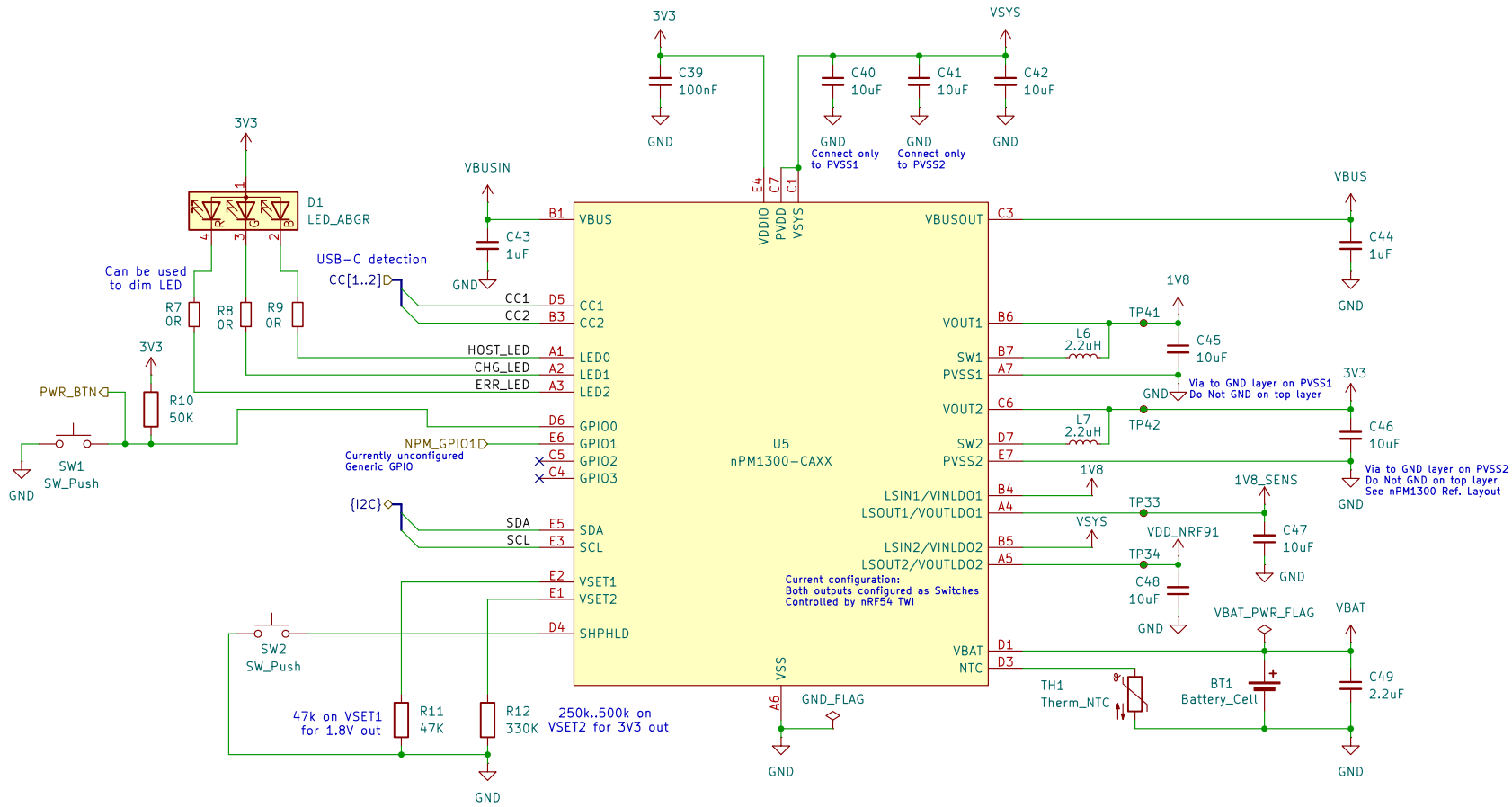
Designed in KiCAD 9.0.1
Insyght

Sheet: /Wi-Fi communication/
File: nRF7002.kicad_sch

Title: Wi-Fi communication

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 4/9

I2C address: 0b1101011 or 0x6B



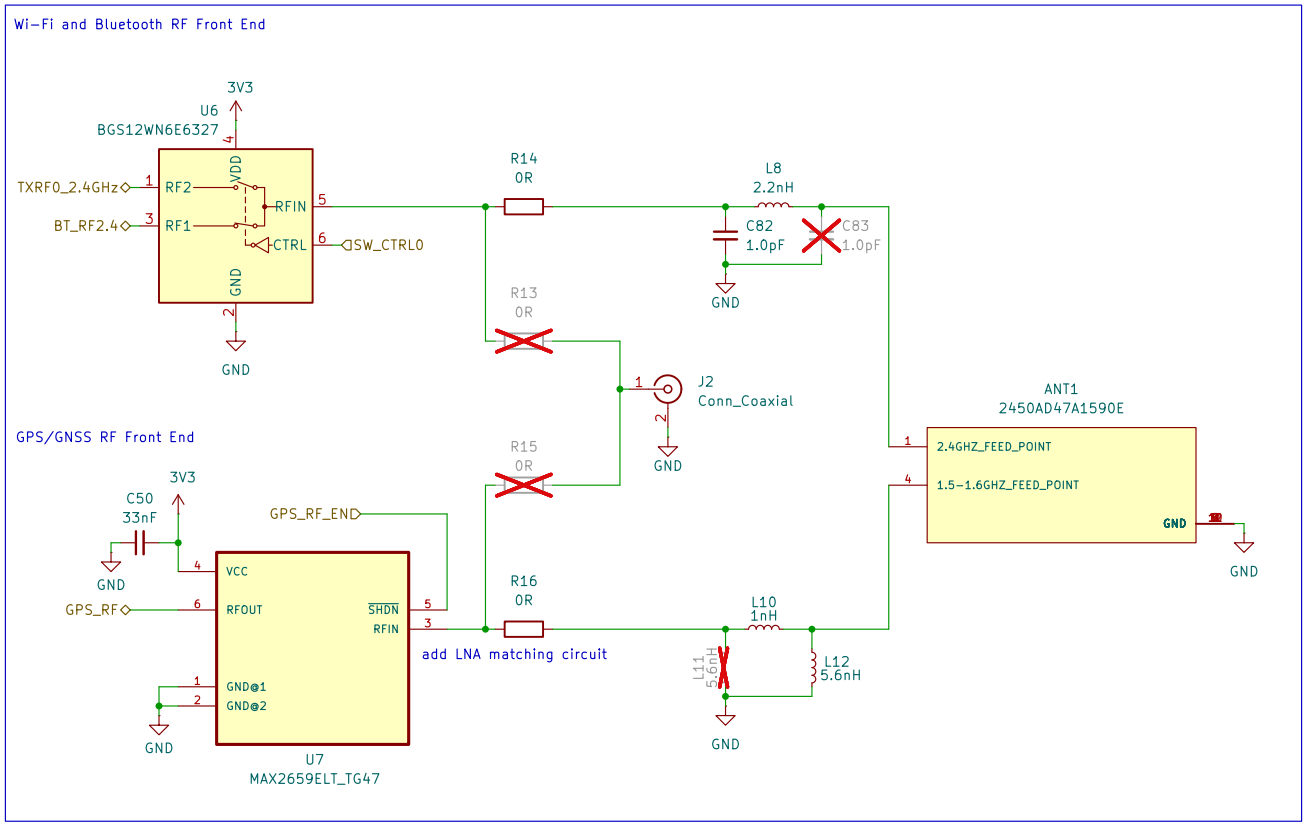
Power circuitry schematic
Using npm1300

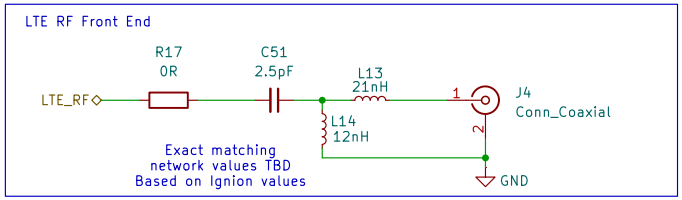
Designed in KiCAD 9.0.1
Insyght

Sheet: /Power Circuit/
File: PMIC.kicad_sch

Title: Power circuit

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 5/9





RF Front end schematic
All antenna IO

Designed in KiCAD 9.0.1
Insyght

Sheet: /RF front end/
File: rf_fe.kicad_sch

Title: RF Front End

Size: A4	Date: 2025-05-15	**Rev: 1.3.0**
KiCad E.D.A. 9.0.1		Id: 6/9