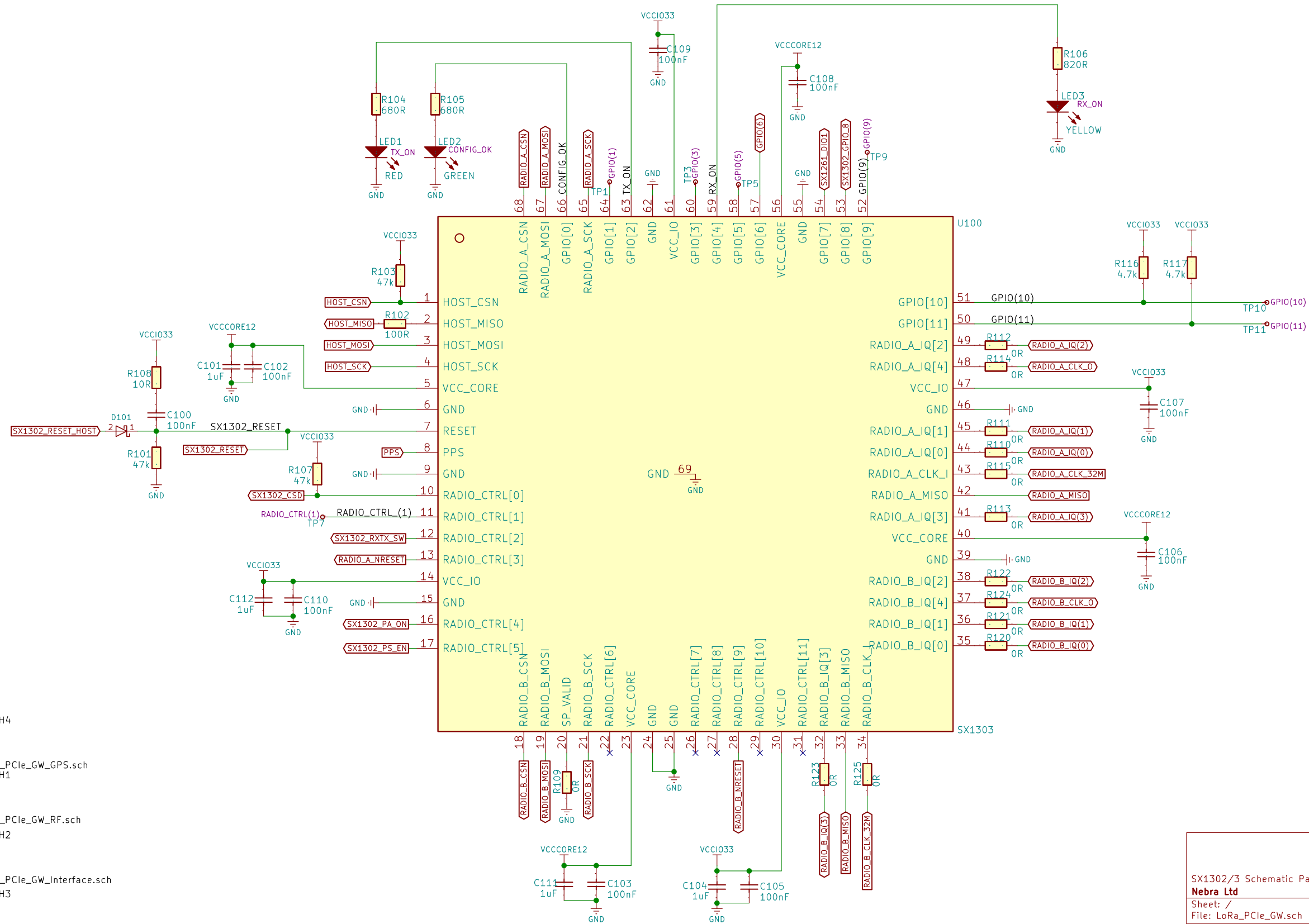


LoRa PCIe Gateway – Main part with SX1302/3 Lora Digital Baseband Chip



Sheet: SCH4

File: LoRa_PCl_e_GW_GPS.sch
Sheet: SCH1

File: LoRa_PCl_e_GW_RF.sch
Sheet: SCH2

File: LoRa_PCl_e_GW_Interface.sch
Sheet: SCH3

File: LoRa_PCl_e_GW_Power.sch

SX1302/3 Schematic Part

Nebra Ltd

Sheet: /
File: LoRa_PCl_e_GW.sch

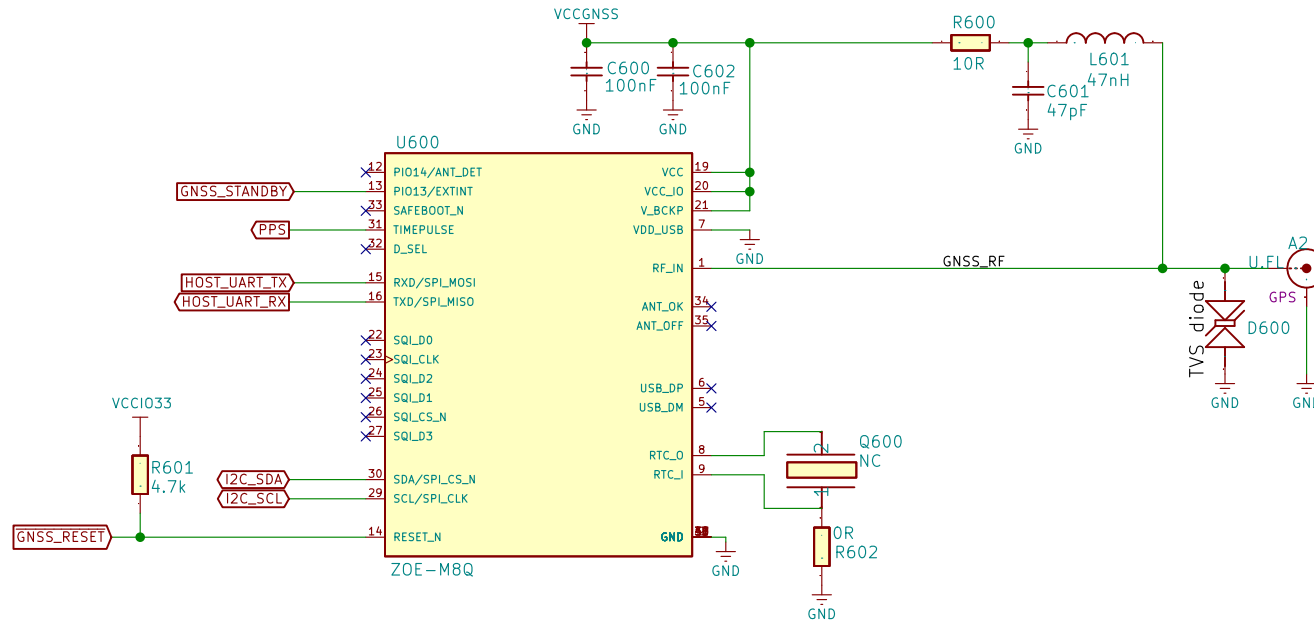
Title: LoRa PCIe Gateway Main

Size: B	Date: 2021-04-13
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Rev: 1.1

Size: 5	Date: 2021
KiCad E.D.A.	kicad (5.1.5)-3

LoRa PCIe Gateway – GNSS part with EVA-M8M SIP



GNSS Schematic part with EVA-M8M SIP

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Sheet: /SCH4/

File: LoRa_PCl_e_GW_GPS.sch

Title: LoRa PCIe Gateway – GNSS

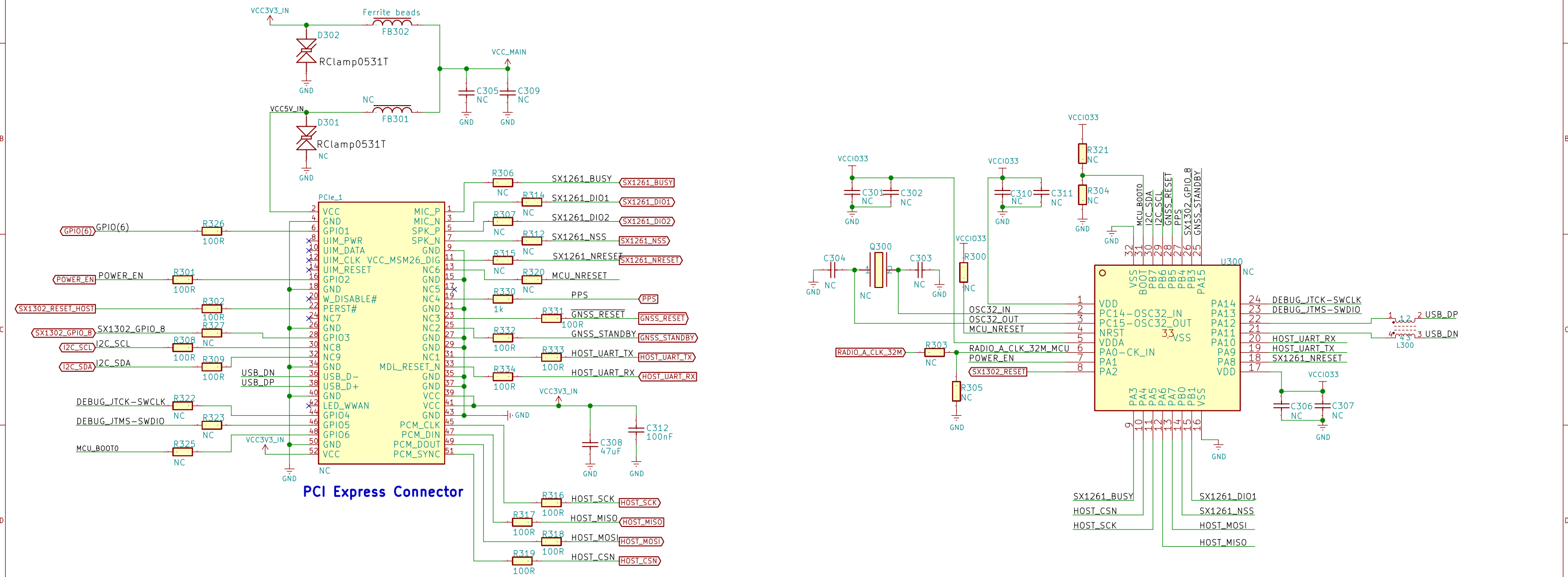
Size: A Date: 2021-04-13

KiCad E.D.A. kicad (5.1.5)-3

Rev: 1.1

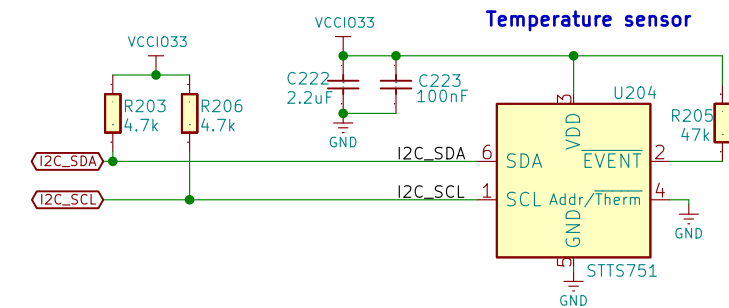
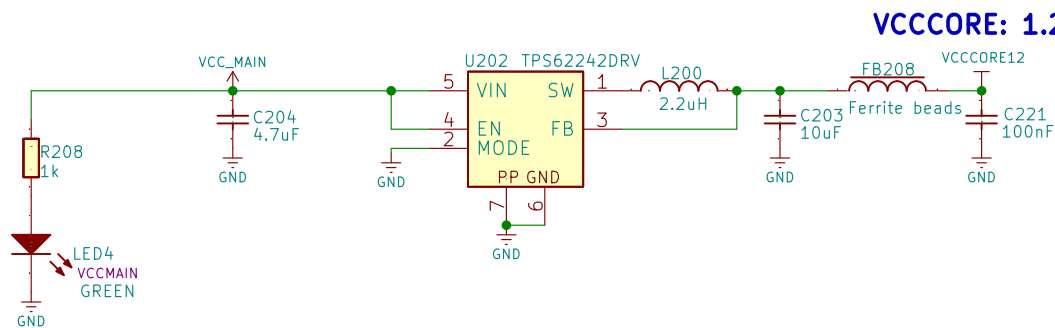
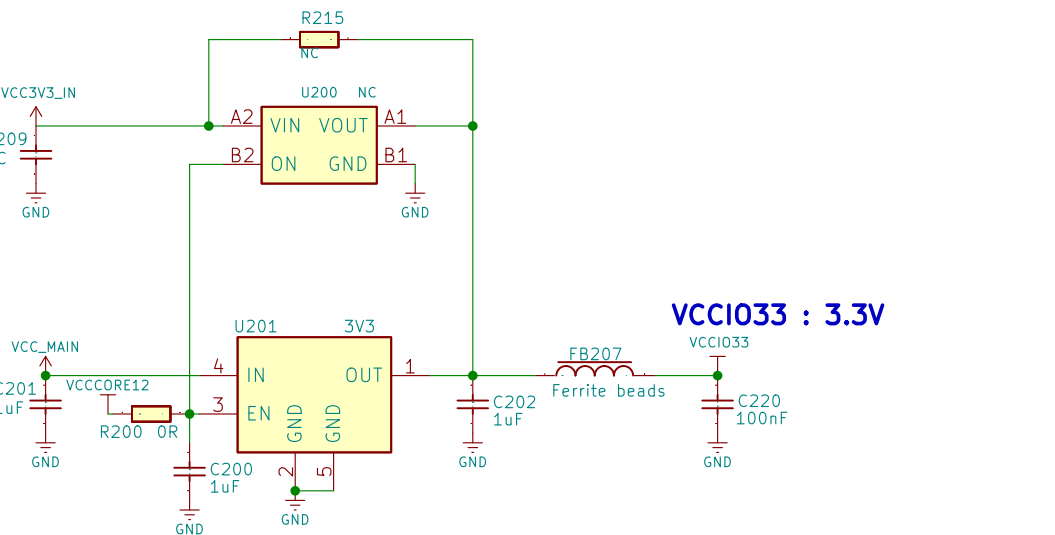
Id: 2/5

LoRa PCIe Gateway Interface – mini-PCIe Interface Connector & MCU USB Bridge

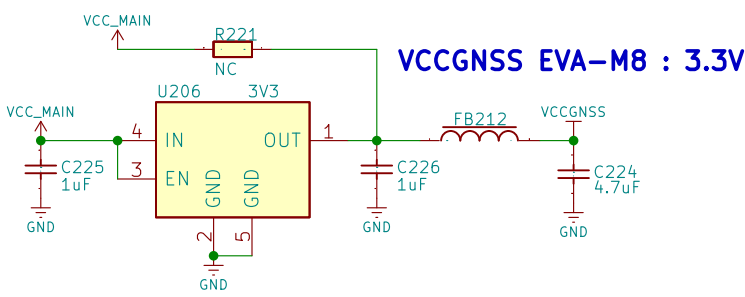
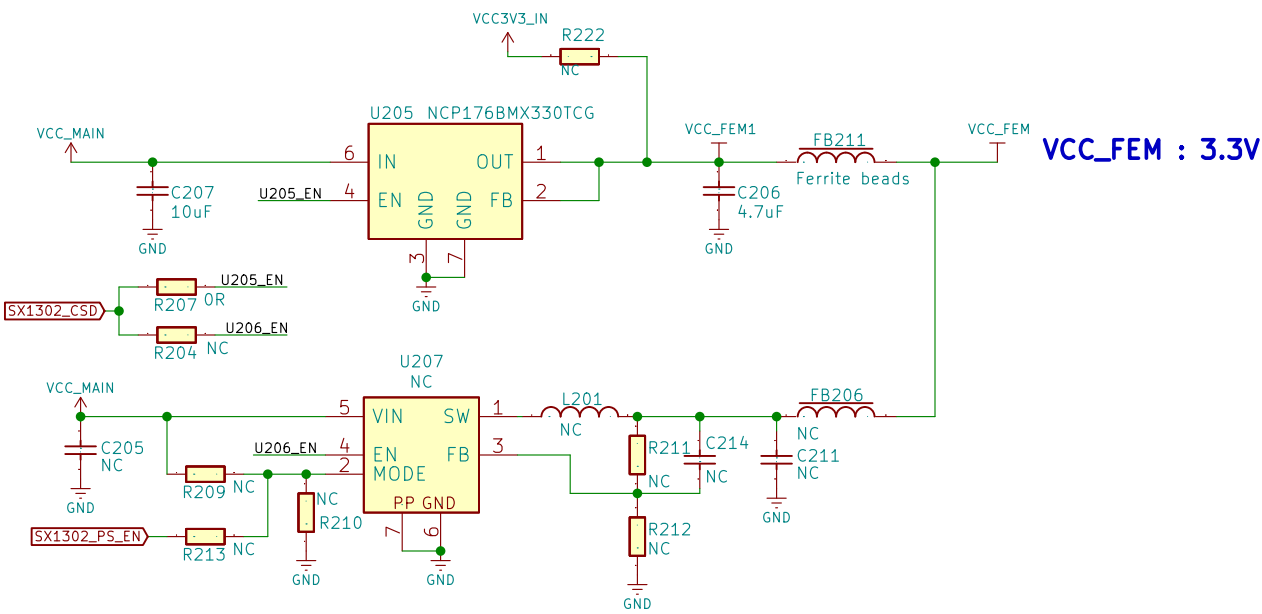
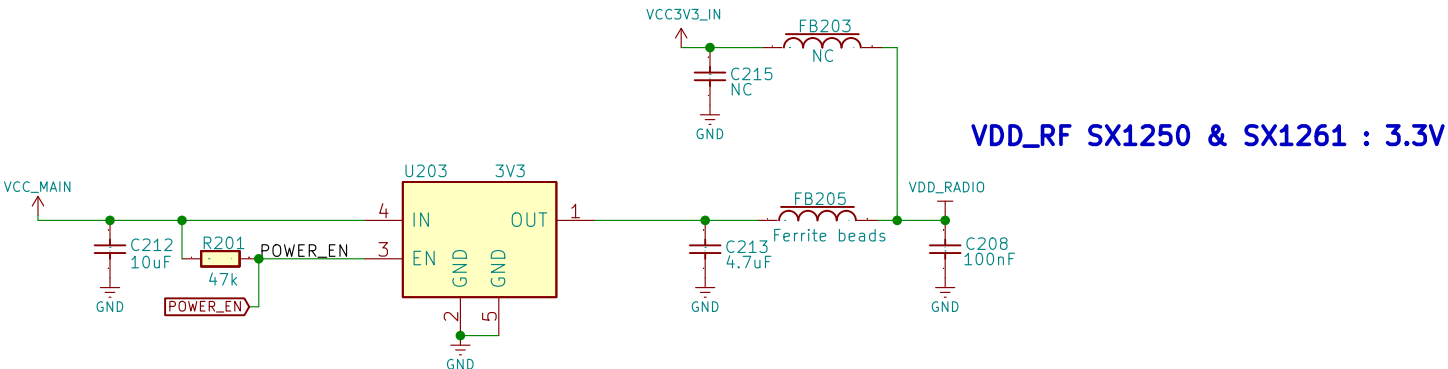


- Series 0 ohm resistors = DNP when MCU/USB is used
- MCU = DNP when Lora Gateway module is used through SPI Interface over PCIe connector
- SWCLK, SWDIO, and MCU_NRESET are connected to mini-PCIe
- VCC_MAIN comes from 5V or 3.3V

LoRa PCIe Gateway – Power Management



Nebra logos + Fiducial_Marks:



Power Management Schematic Part

Nebra Ltd

Sheet: /SCH3/

File: LoRa_PClE_GW_Power.sch

Title: LoRa PCIe Gateway Power

Size: B

Date: 2021-04-13

Rev: 1.1

KiCad E.D.A. kicad (5.1.5)-3

Id: 4/5

LoRa PCIe Gateway – RF Part with 2x SX1250 RF Front-Ends:

