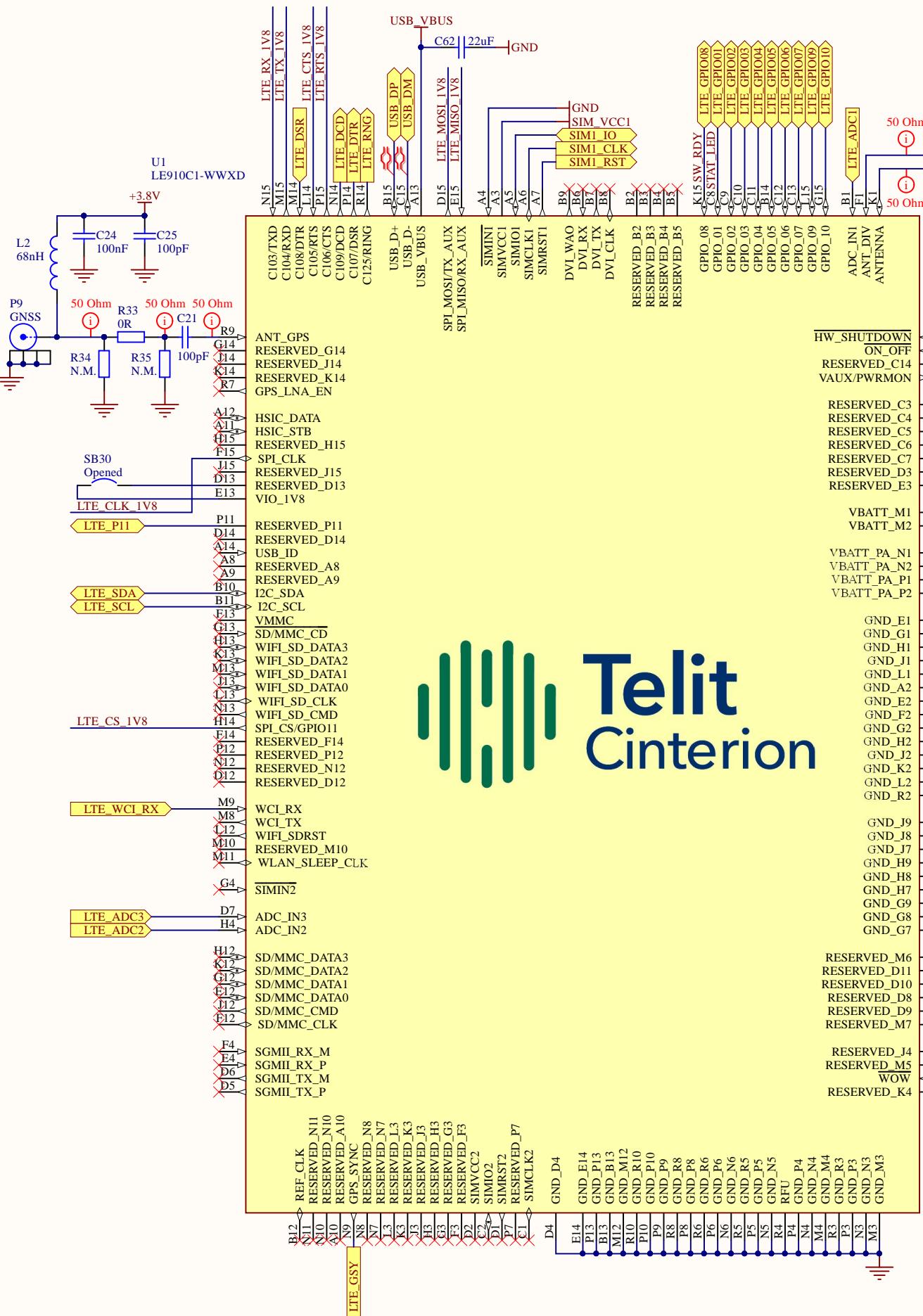
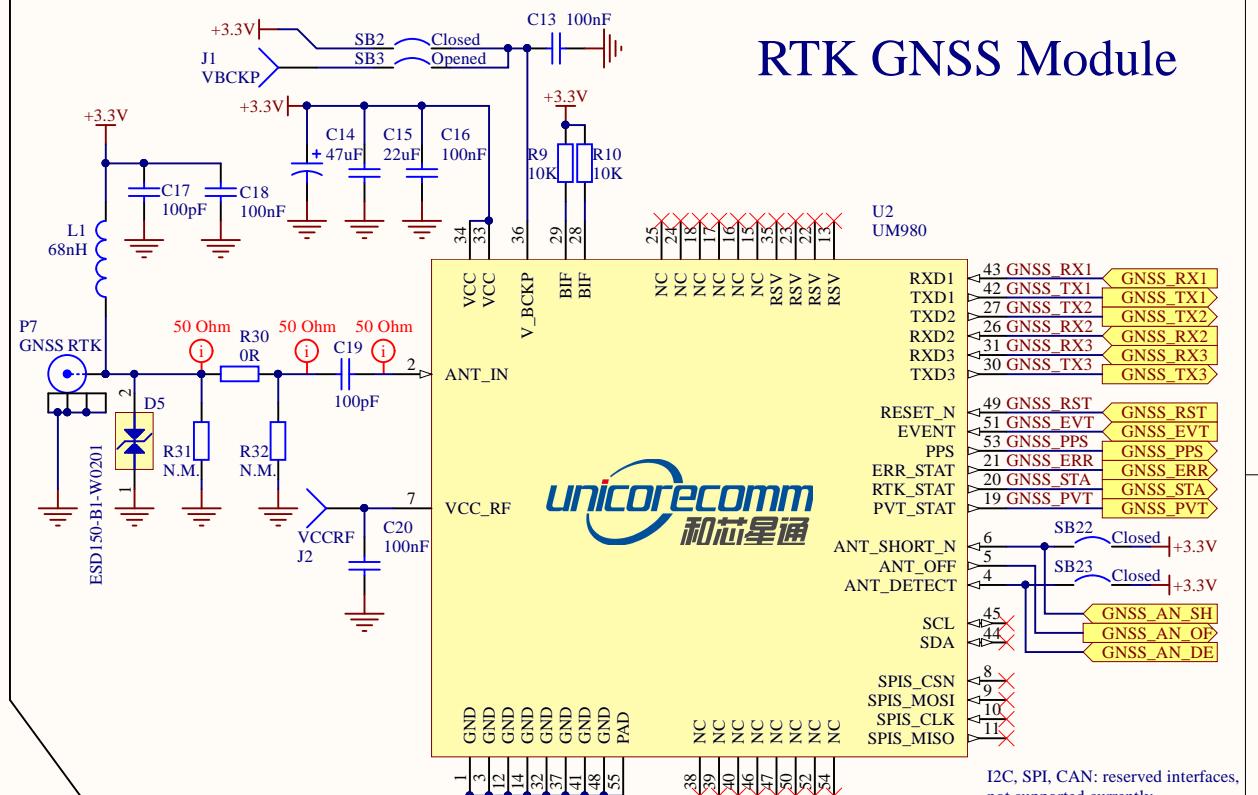


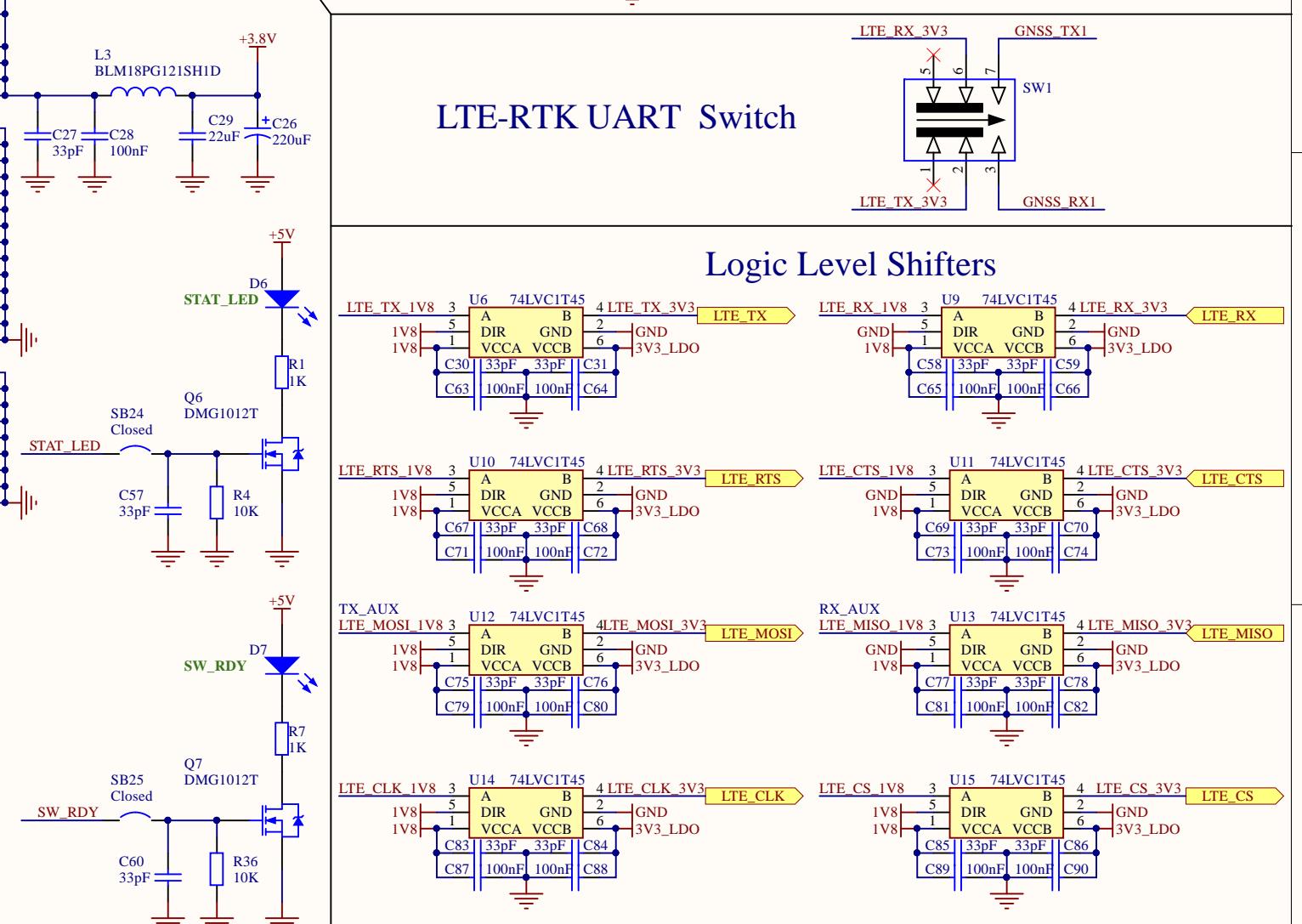
LTE 4G Cat.1 Modem with 3G/2G fallback



RTK GNSS Module



LTE-RTK UART Switch

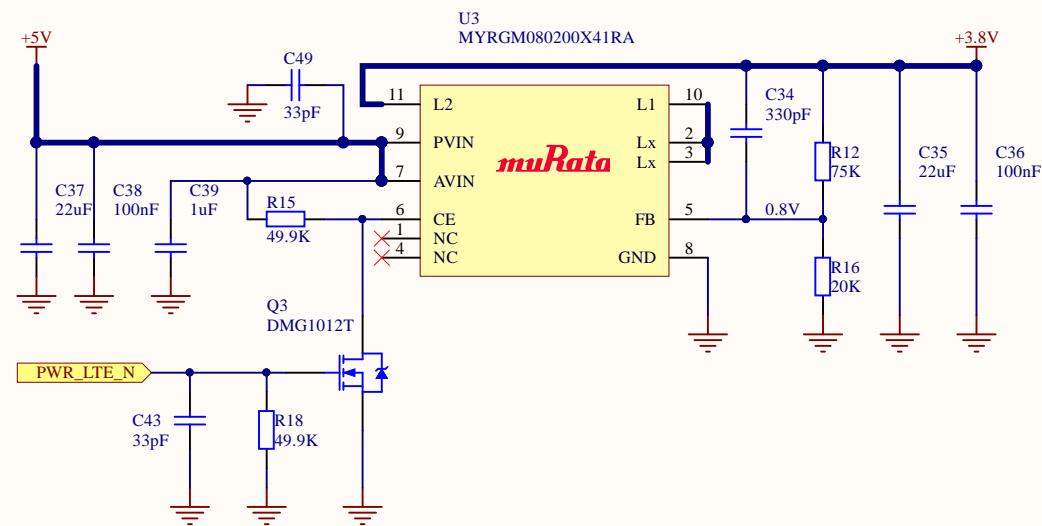


Logic Level Shifters

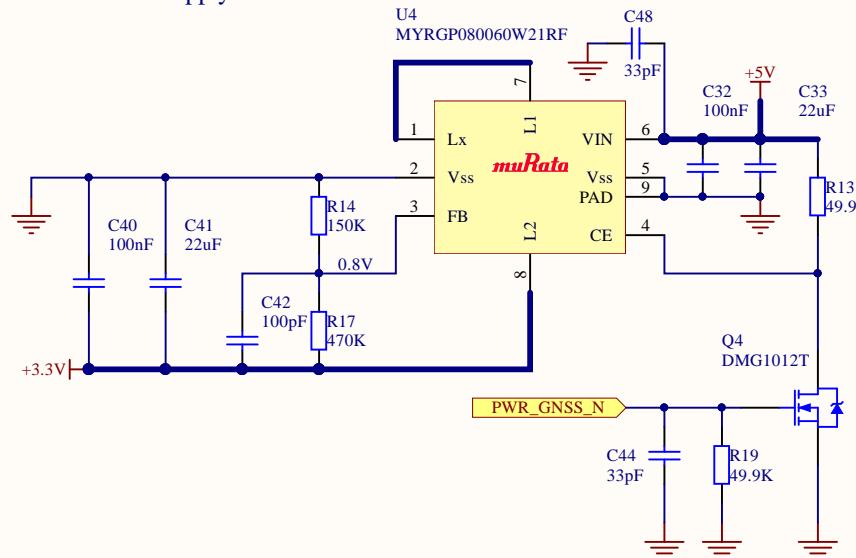
Title ***Modem & RTK GNSS***

Title: **Model & RTK GNSS** Revision: **GDR** Drawn By: **Rutronik Elektronische Bauelemente GmbH**
 Size: **A3** Date: **2023-07-21** Sheet **1** of **2** Jonavas g. 30
 Revision: **Rev0** 44262 Kaunas
 Drawn By: **Lithuania**
 **RUTRONIK**
 ELECTRONICS WORLDWIDE

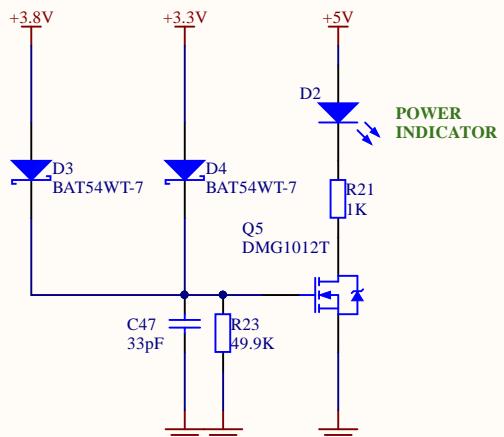
LTE Modem Power Supply



GNSS Power Supply



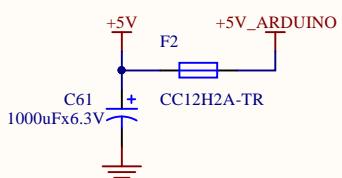
Power Indicator



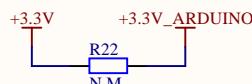
GND Test Point



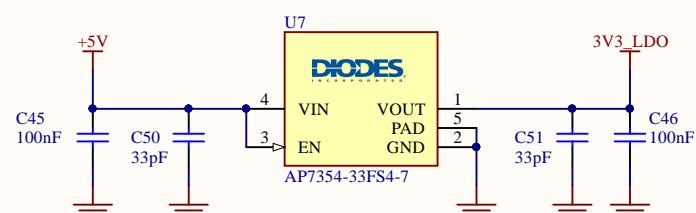
5V Arduino Power Source



3.3V Arduino Power Source



3.3V Stand-By LDO



Title **Power Supplies**

Size: A4 Revision: Rev0 GDR Drawn By:

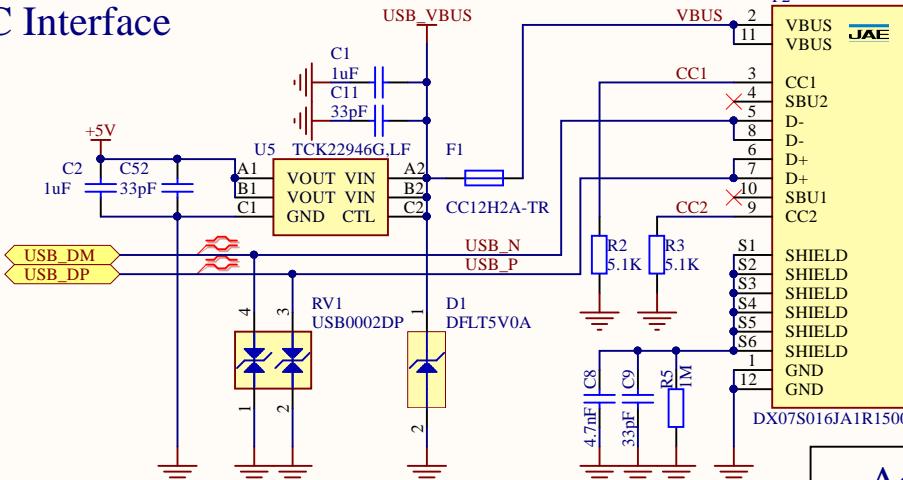
Date: 2023-07-21 Sheet 2 of 3

Time: 10:33:56

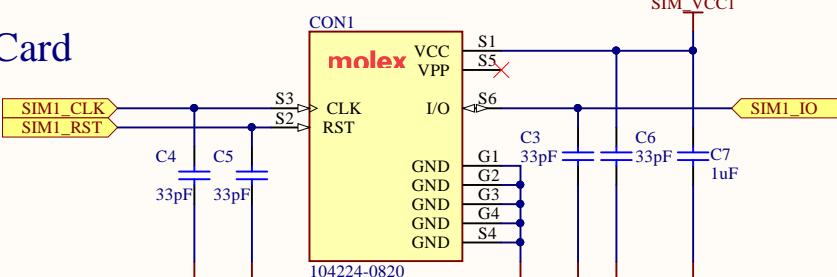
Rutronik Elektronische Bauelemente GmbH

Jonavos g. 30
44262 Kaunas
Lithuania

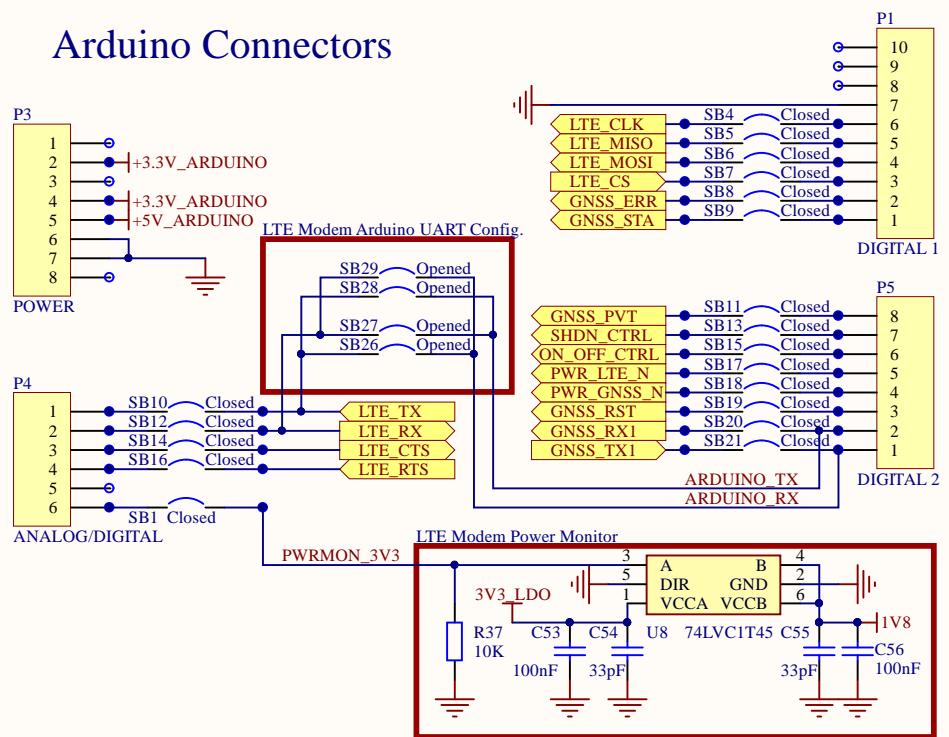
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SIM Card



Arduino Connectors

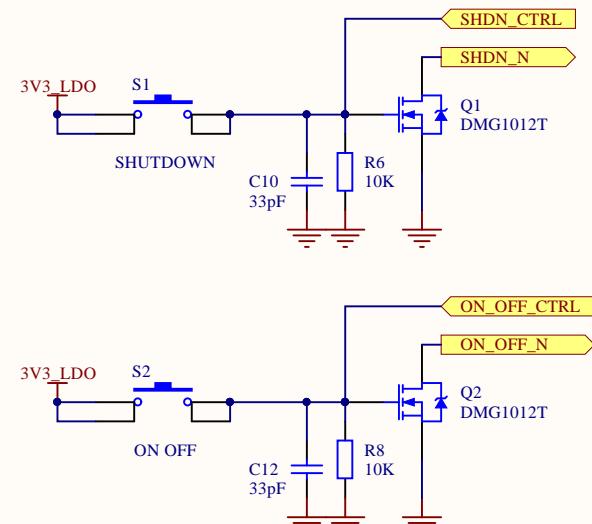


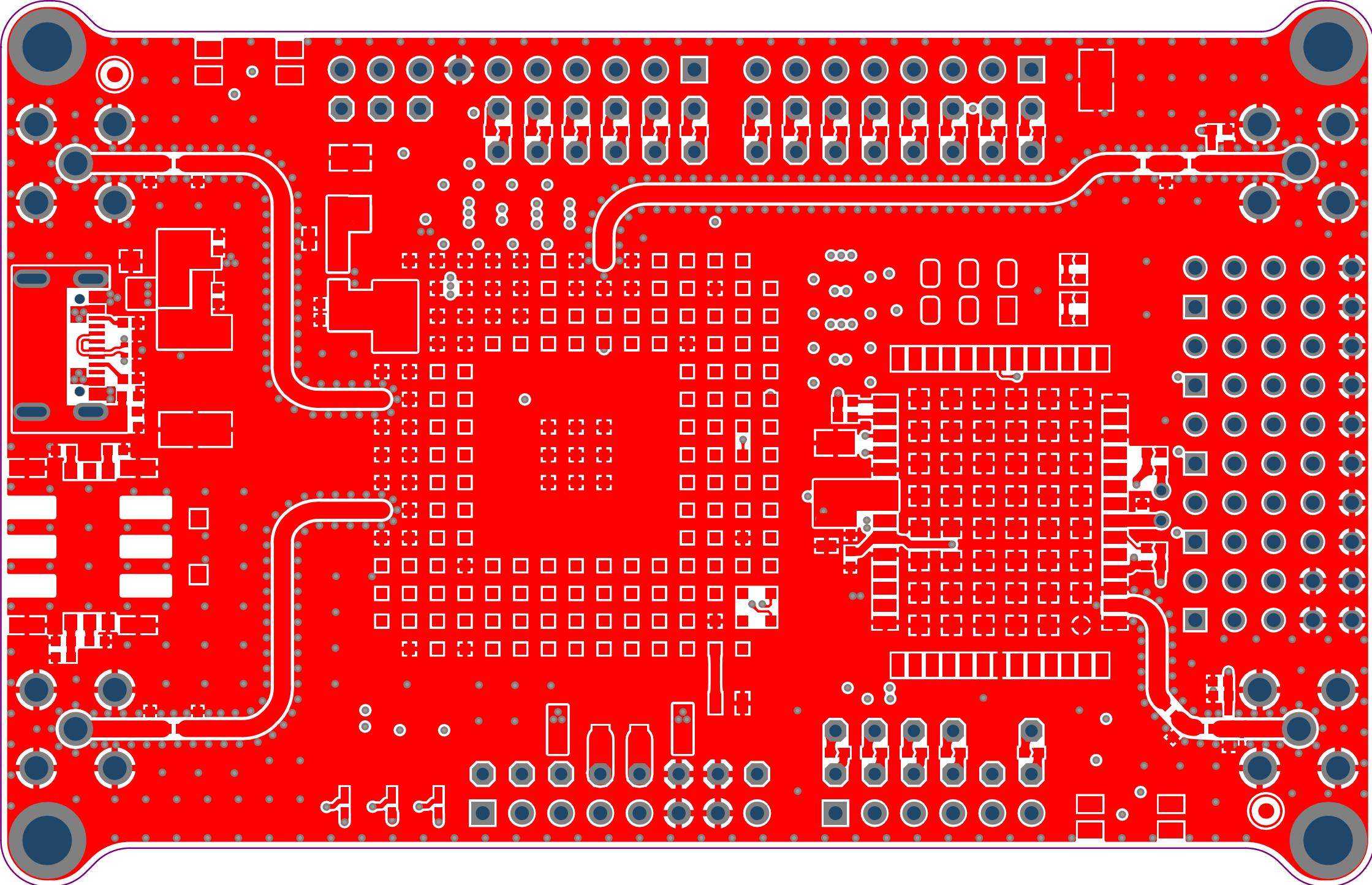
Additional Inputs/Outputs

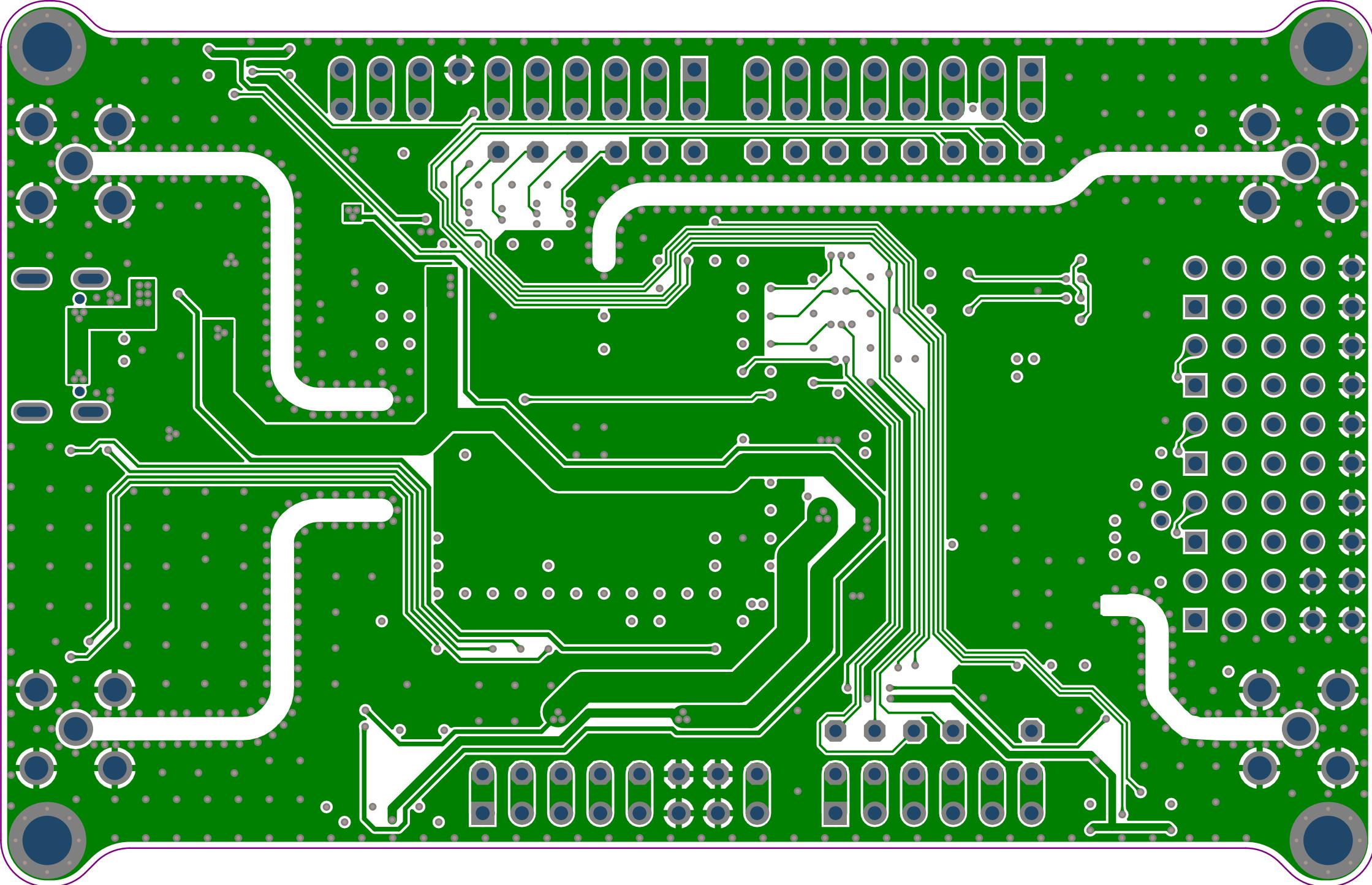
The diagram illustrates the pinout for the LTE module, showing the connections between the module pins and the corresponding pins on the headers P10, P11, P12, P13, and P14.

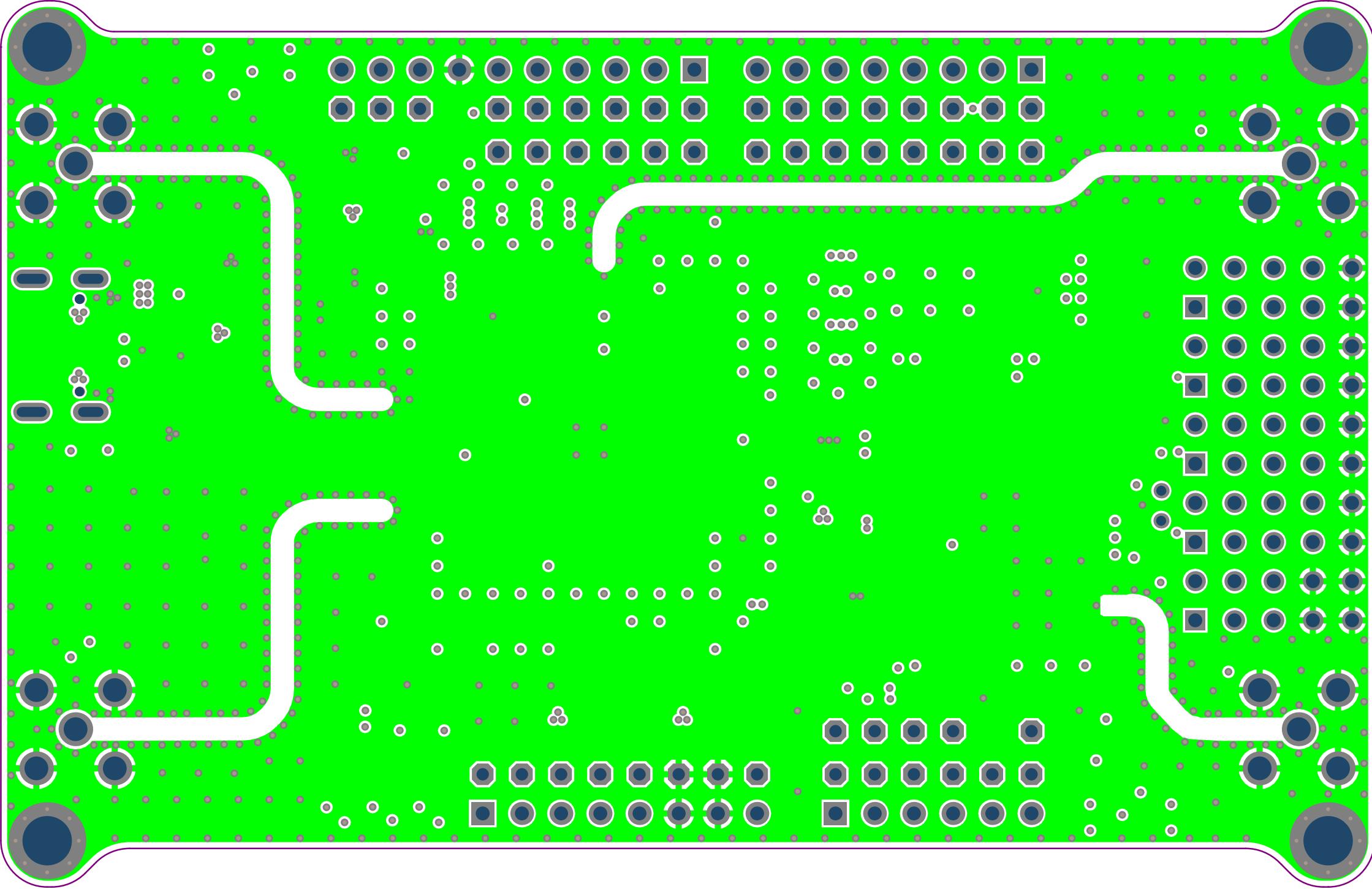
- P10 Header 5X2:** This header connects the following pins from the module to the header:
 - LTE_GPIO08 → Pin 1
 - LTE_GPIO09 → Pin 2
 - LTE_DCD → Pin 3
 - LTE_DTR → Pin 4
 - GND → Pin 5
 - LTE_GSY → Pin 6
 - LTE_DSR → Pin 7
 - LTE_P11 → Pin 8
 - LTE_RNG → Pin 9
 - GND → Pin 10
- P11 Header 5X2:** This header connects the following pins from the module to the header:
 - LTE_D3 → Pin 1
 - LTE_ADC2 → Pin 2
 - GNSS_RX3 → Pin 3
 - GNSS_RX2 → Pin 4
 - GND → Pin 5
 - LTE_E3 → Pin 6
 - LTE_WCL_RX → Pin 7
 - GNSS_RX3 → Pin 8
 - GNSS_RX2 → Pin 9
 - GND → Pin 10
- P12 Header 5X2:** This header connects the following pins from the module to the header:
 - LTE_C7 → Pin 1
 - LTE_C6 → Pin 2
 - LTE_ADC1 → Pin 3
 - LTE_C4 → Pin 4
 - GND → Pin 5
 - LTE_ADC3 → Pin 6
 - LTE_GPIO10 → Pin 7
 - LTE_C5 → Pin 8
 - LTE_C3 → Pin 9
 - GND → Pin 10
- P13 Header 5X2:** This header connects the following pins from the module to the header:
 - LTE_GPIO07 → Pin 1
 - LTE_SCL → Pin 2
 - LTE_GPIO03 → Pin 3
 - LTE_GPIO02 → Pin 4
 - GND → Pin 5
 - LTE_GPIO06 → Pin 6
 - LTE_SDA → Pin 7
 - LTE_GPIO04 → Pin 8
 - LTE_GPIO01 → Pin 9
 - GND → Pin 10
- P14 Header 5X2:** This header connects the following pins from the module to the header:
 - GNSS_PPS → Pin 1
 - GNSS_AN_OP → Pin 2
 - GNSS_AN_SH → Pin 3
 - GND → Pin 4
 - GNSS_AN_DE → Pin 5
 - GNSS_EVT → Pin 6
 - LTE_GPIO05 → Pin 7
 - GND → Pin 8
 - GND → Pin 9
 - GND → Pin 10

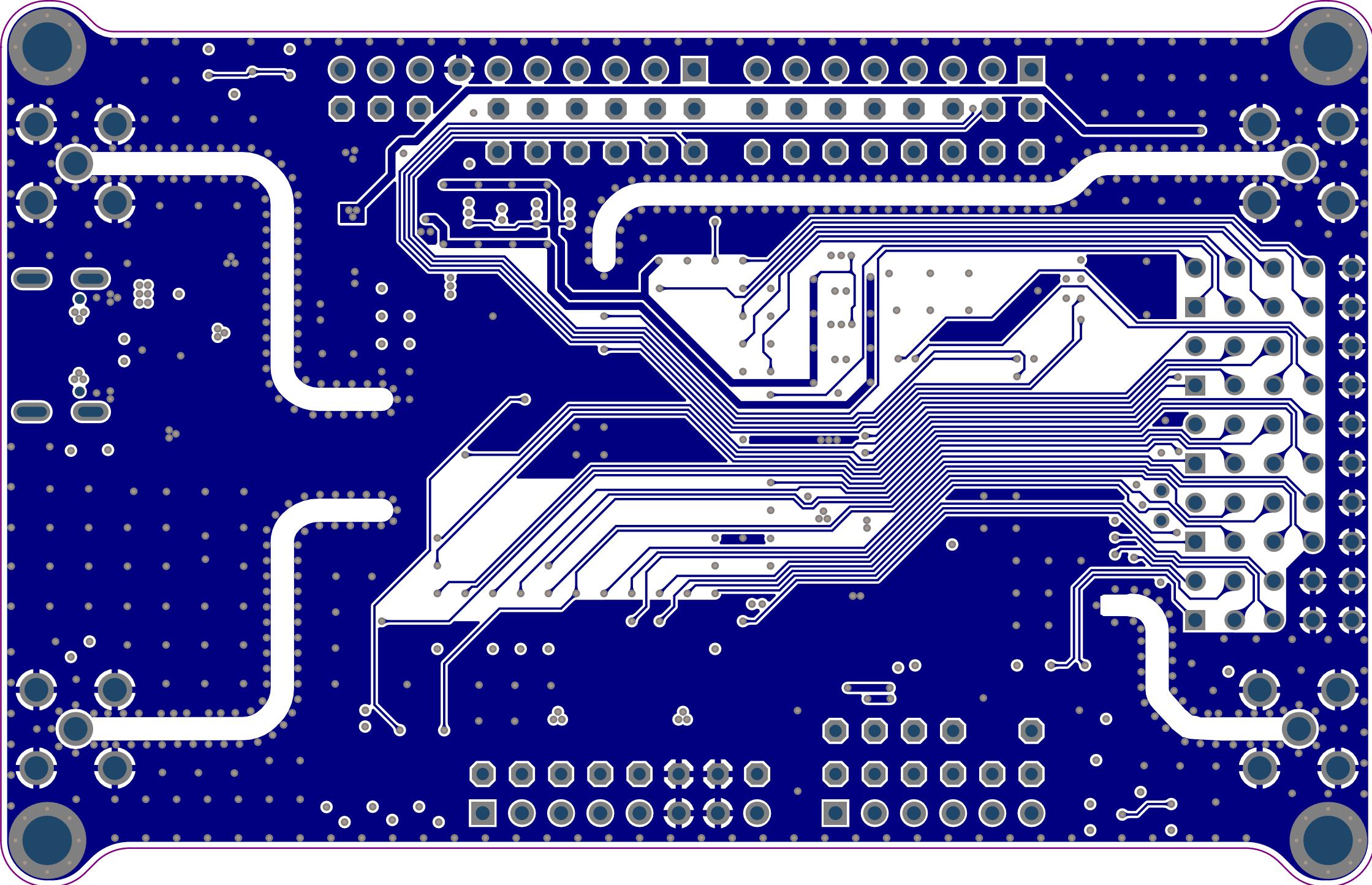
USER Buttons

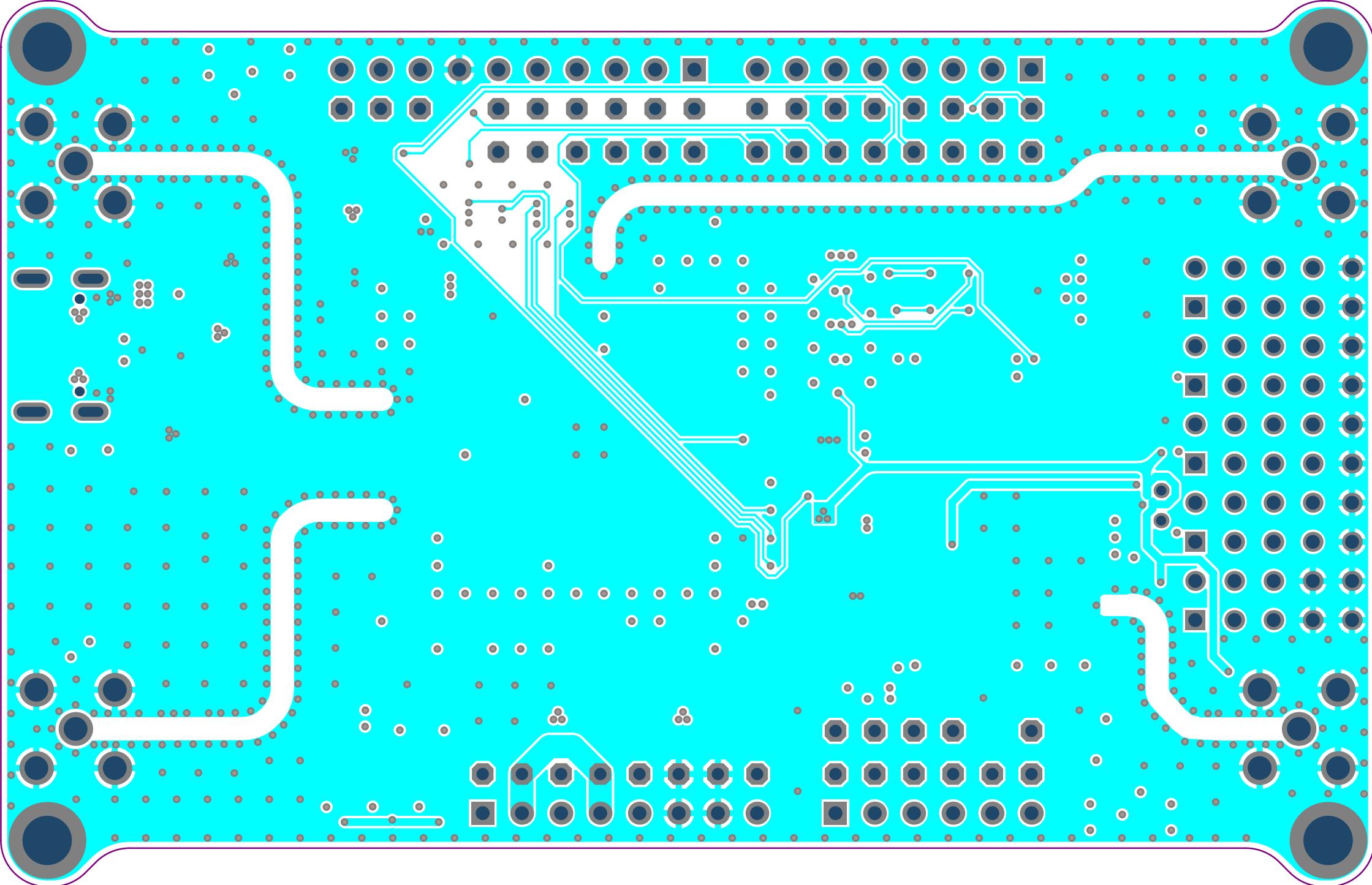


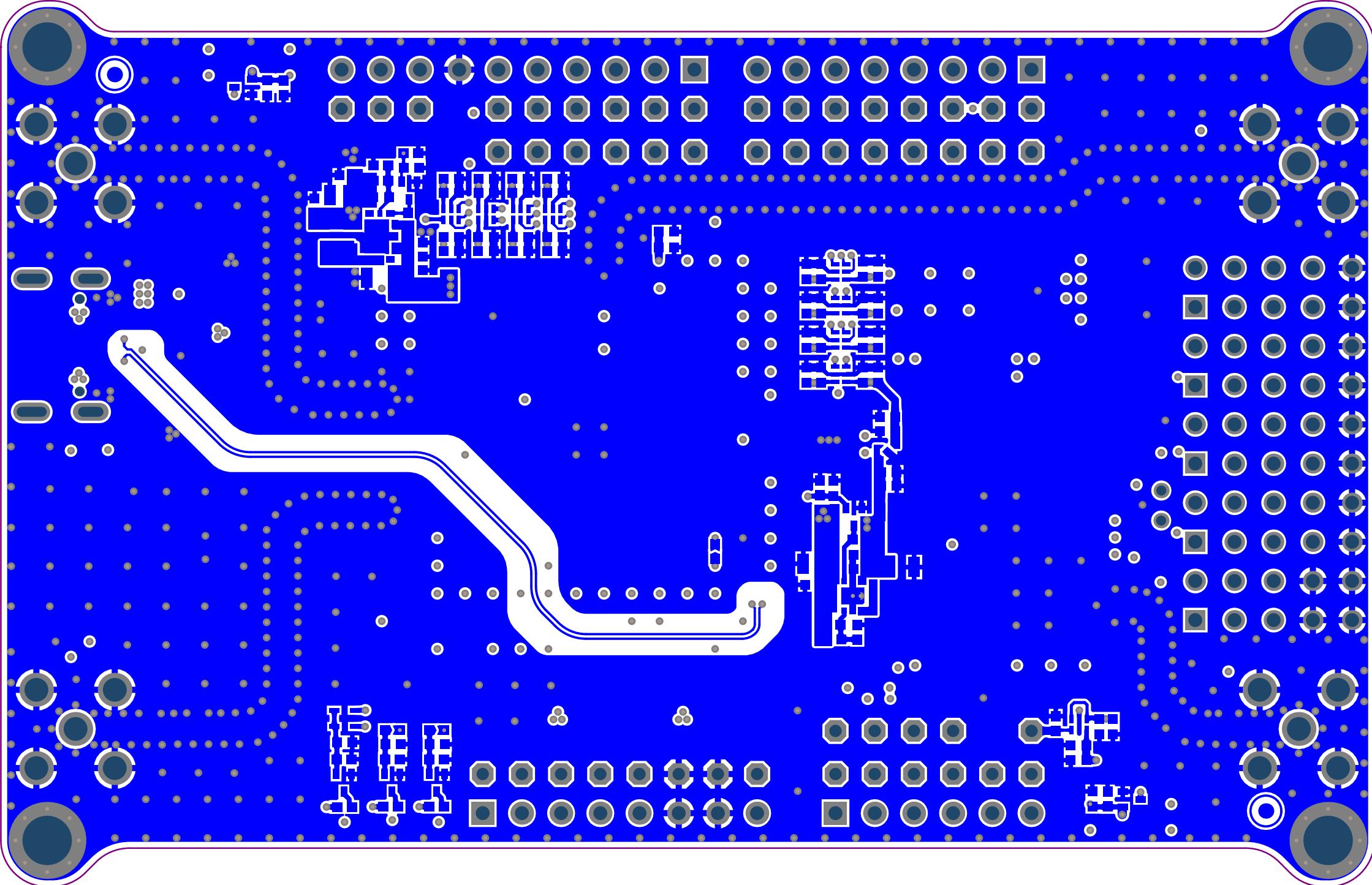


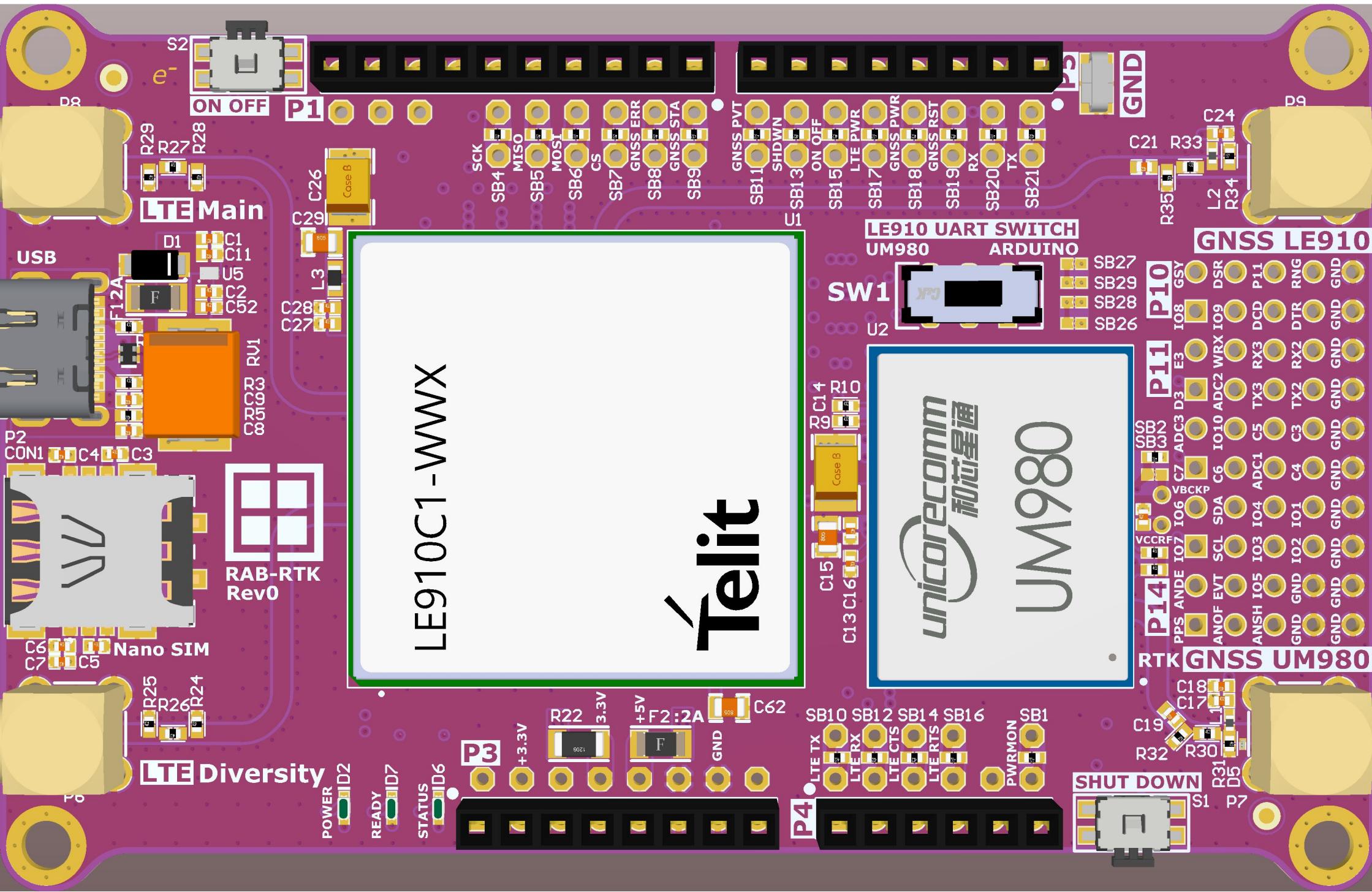


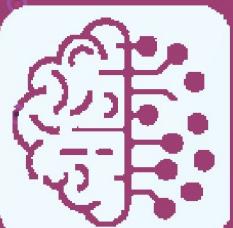












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