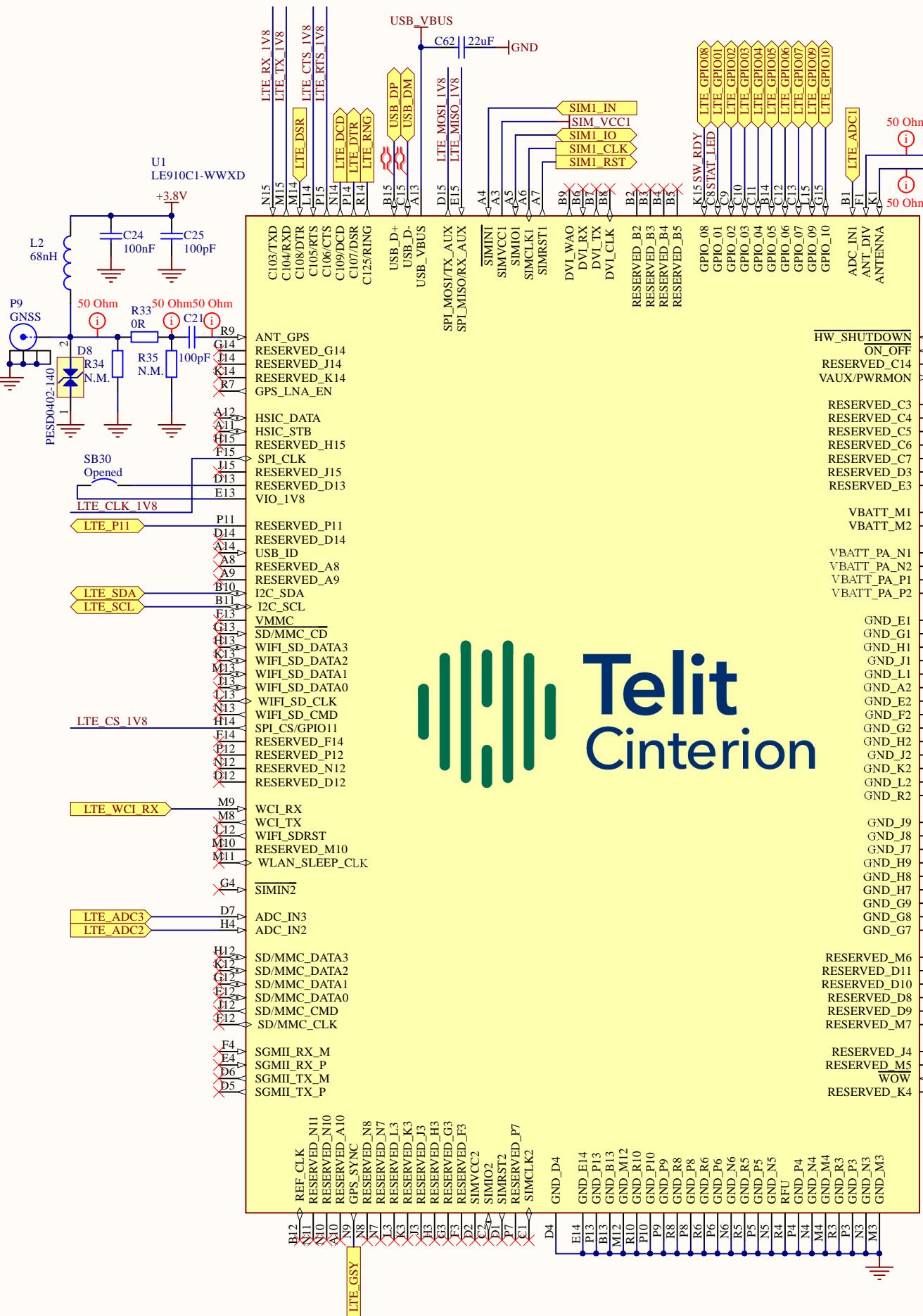
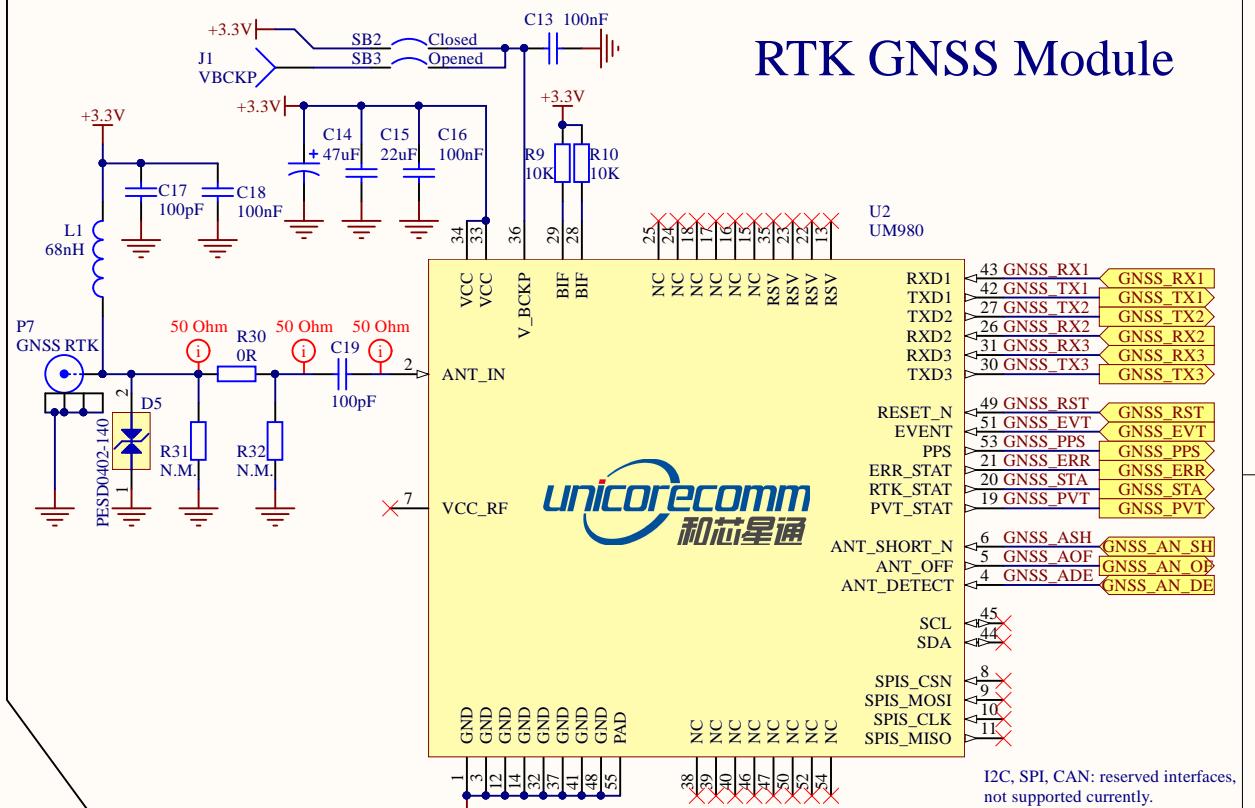


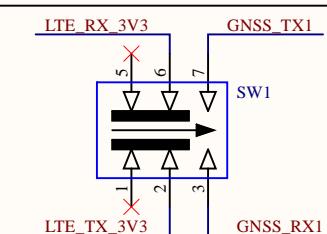
LTE 4G Cat.1 Modem with 3G/2G fallback



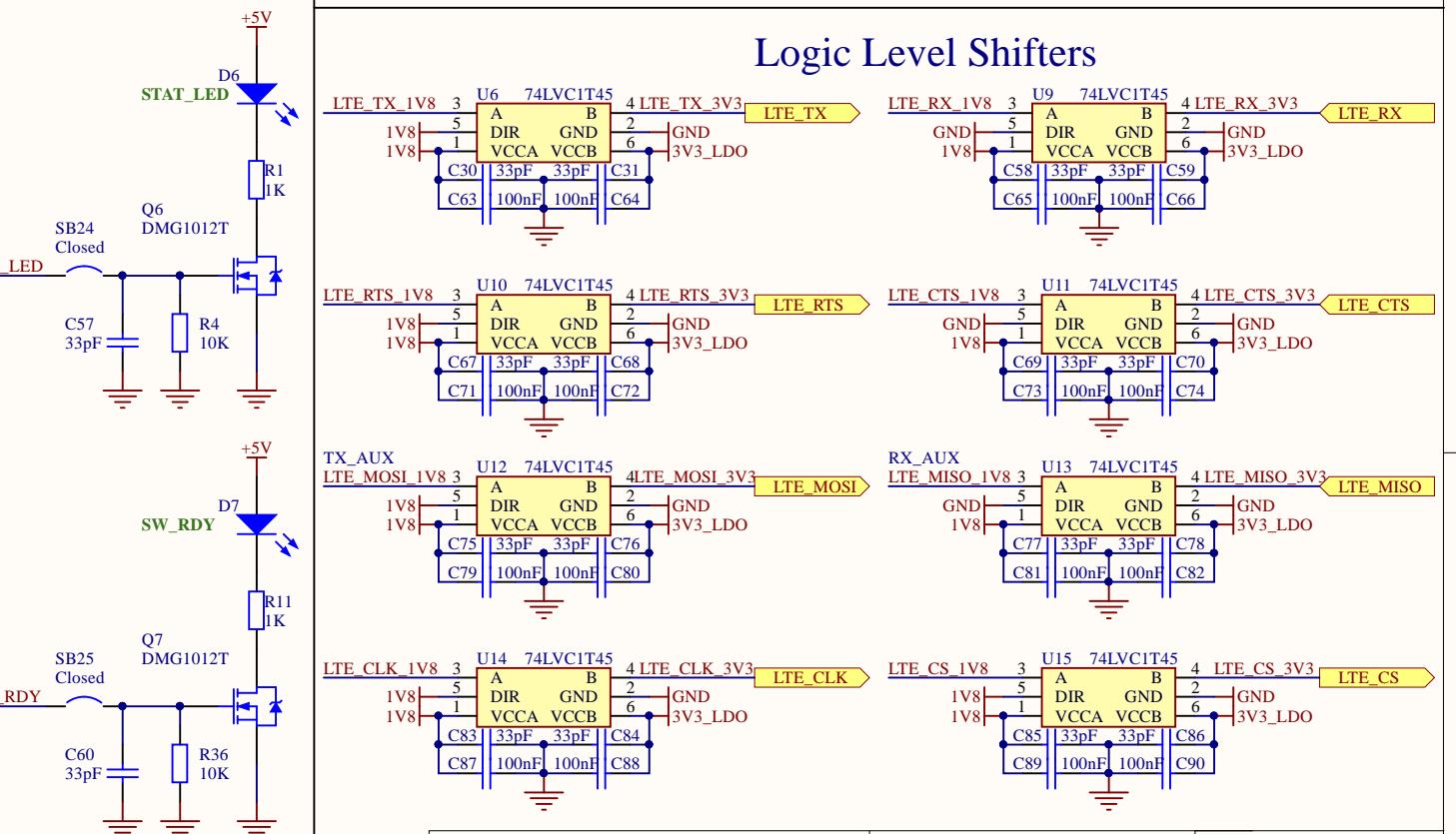
RTK GNSS Module



LTE-RTK UART Switch



Logic Level Shifters

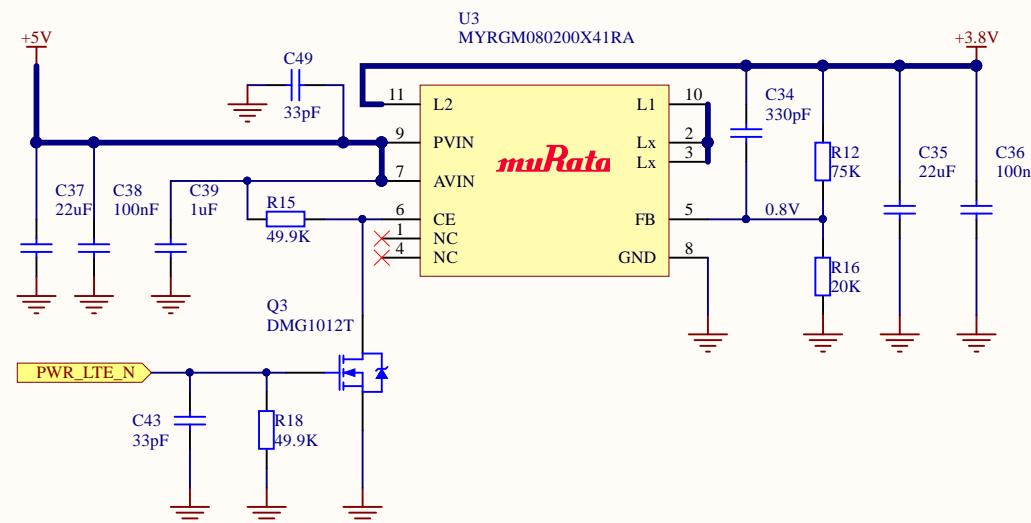


Title *Modem & RTK GNSS*

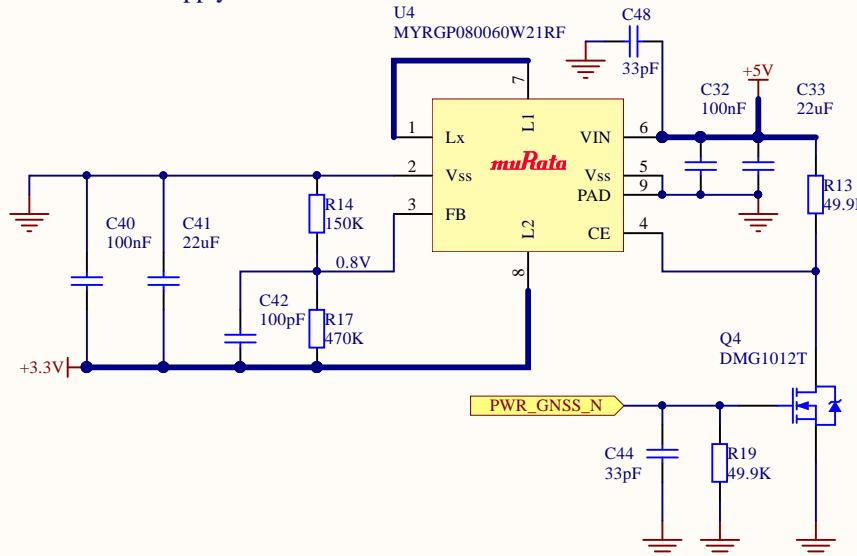
Title: Modern & Rugged GNSS		Rutronik Elektronische Bauelemente GmbH
Size: A3	Revision: Rev1	Drawn By: G.Drukteinis
Date: 2023-11-28	Sheet 1 of 3	
Time: 09:09:37	Jonavos g. 30 44262 Kaunas Lithuania	



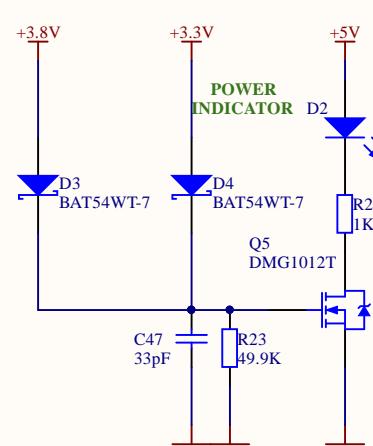
LTE Modem Power Supply



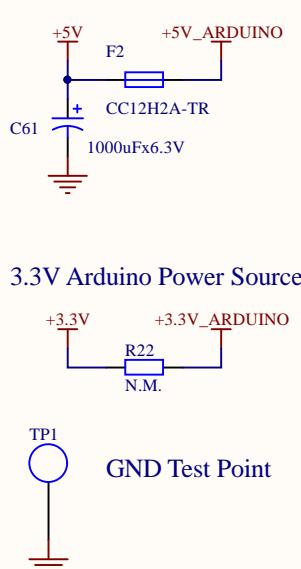
GNSS Power Supply



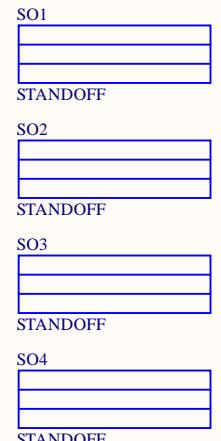
Power Indicator



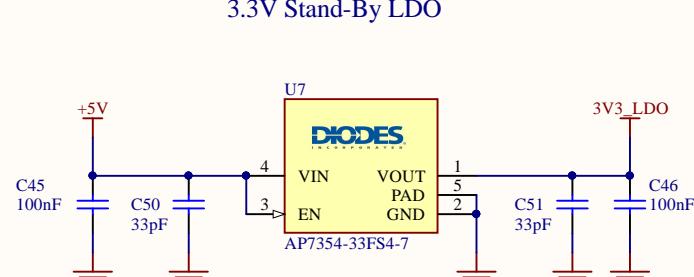
5V Arduino Power Source



Nylon Screws and Standoffs



3.3V Stand-By LDO



Title **Power Supplies**

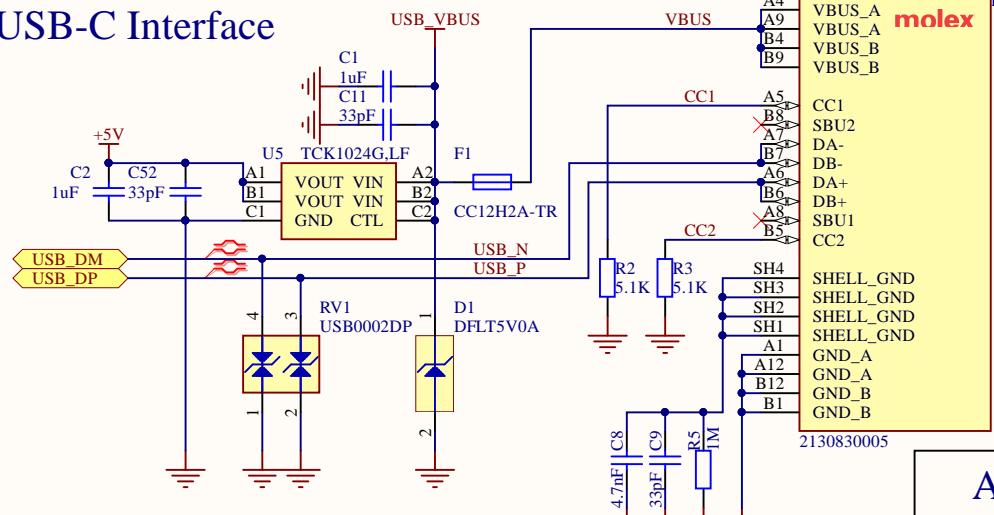
Size: A4 Revision: Rev1 Drawn By: G.Drukteinis

Date: 2023-11-28 Sheet 2 of 3 Time: 09:09:38

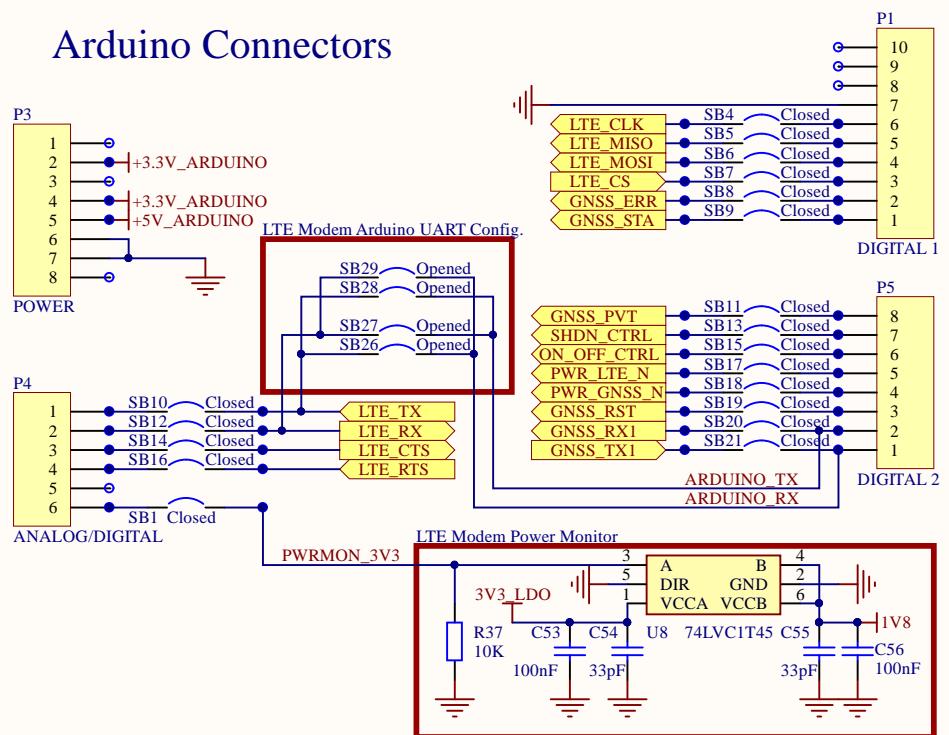
Rutronik Elektronische Bauelemente GmbH

Jonavos g. 30
44262 Kaunas
Lithuania

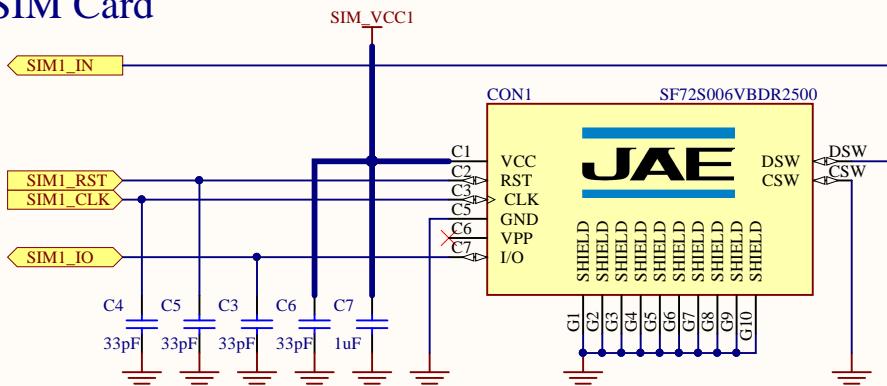
RUTRONIK
ELECTRONICS WORLDWIDE



Arduino Connectors



SIM Card



Additional Inputs/Outputs

P10 Header 5X2			
LTE_GPIO08	1	2	LTE_GSY
LTE_GPIO09	3	4	LTE_DSR
LTE_DCD	5	6	LTE_P11
LTE_DTR	7	8	LTE_RNG
GND	9	10	GND

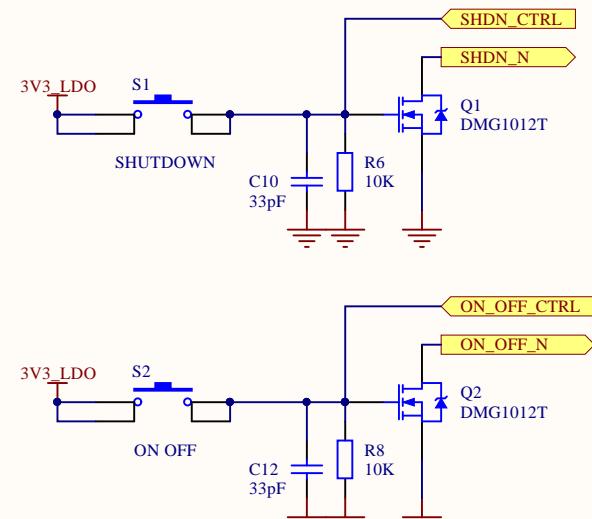
P11 Header 5X2			
LTE_D3	1	2	LTE_E3
LTE_ADC2	3	4	LTE_WCL_RX
GNSS_TX3	5	6	GNSS_RX3
GNSS_RX2	7	8	GNSS_RX2
GND	9	10	GND

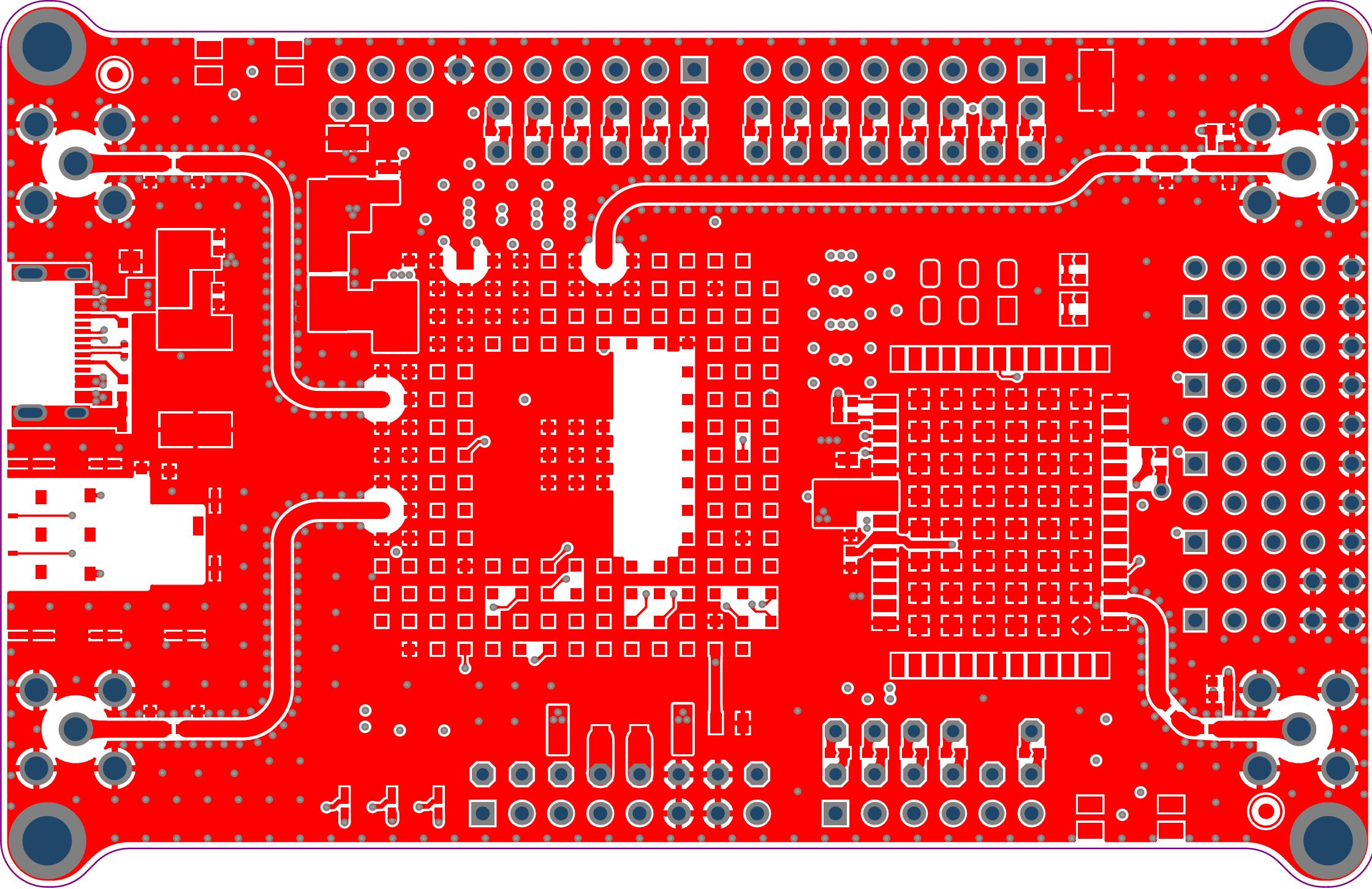
P12 Header 5X2			
LTE_C7	1	2	LTE_ADC3
LTE_C6	3	4	LTE_GPIO10
LTE_ADC1	5	6	LTE_C5
LTE_C4	7	8	LTE_C3
GND	9	10	GND

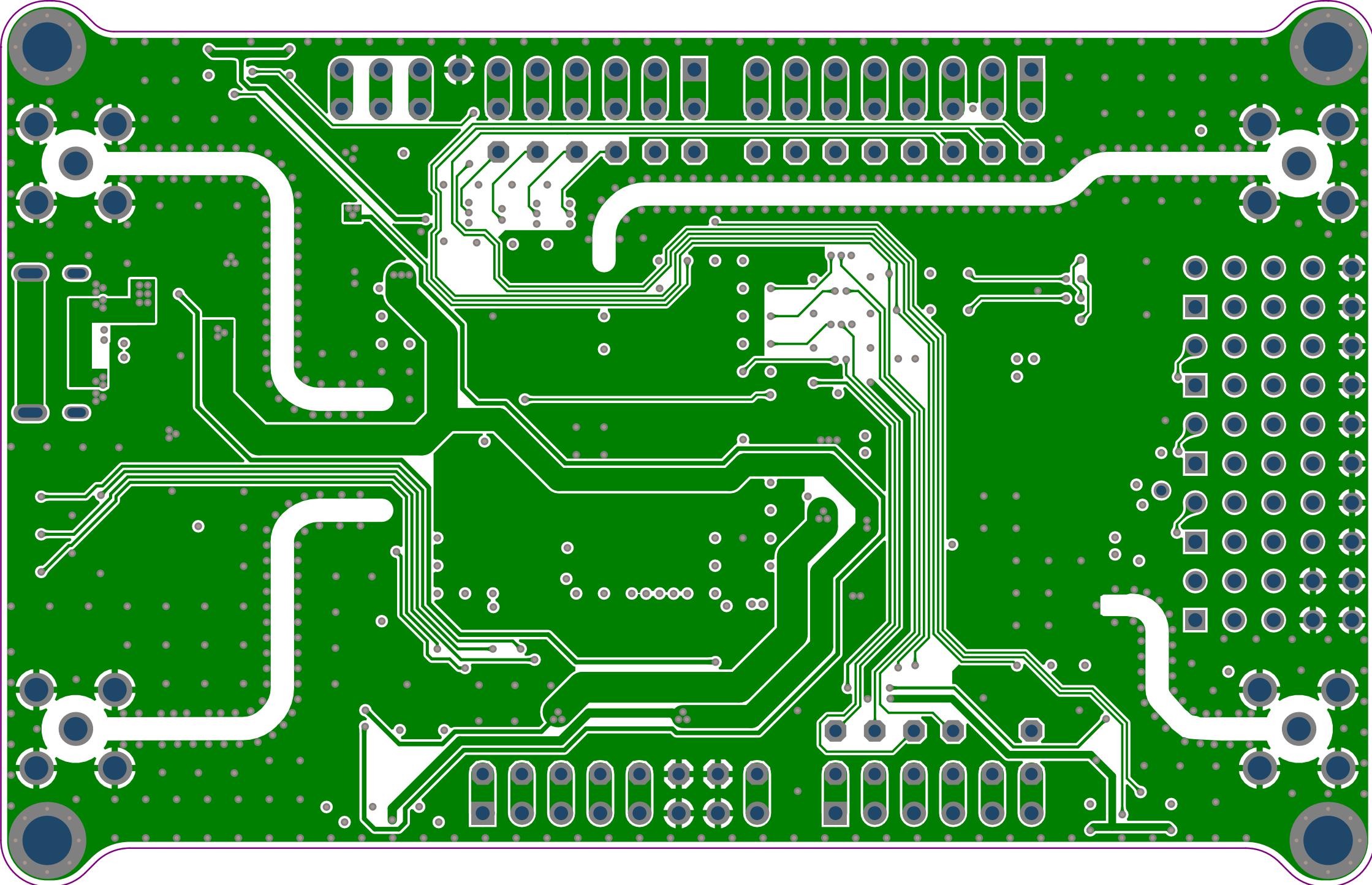
P13 Header 5X2			
LTE_GPIO07	1	2	LTE_GPIO06
LTE_SCL	3	4	LTE_SDA
LTE_GPIO03	5	6	LTE_GPIO04
LTE_GPIO02	7	8	LTE_GPIO01
GND	9	10	GND

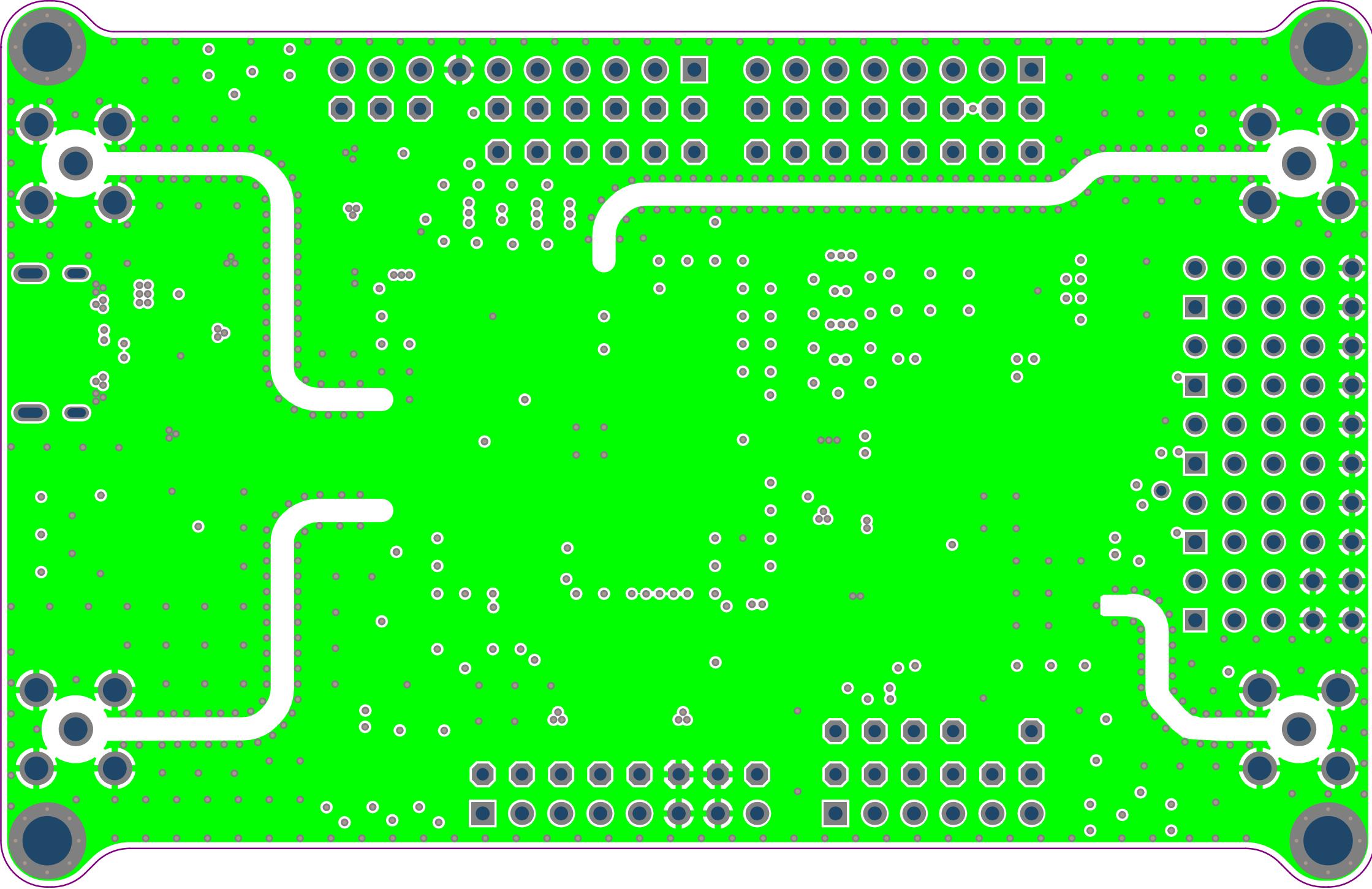
P14 Header 5X2			
GNSS_PPS	1	2	GNSS_AN_DE
GNSS_AN_OF	3	4	GNSS_EVT
GNSS_AN_SH	5	6	LTE_GPIO05
GND	7	8	GND
GND	9	10	GND

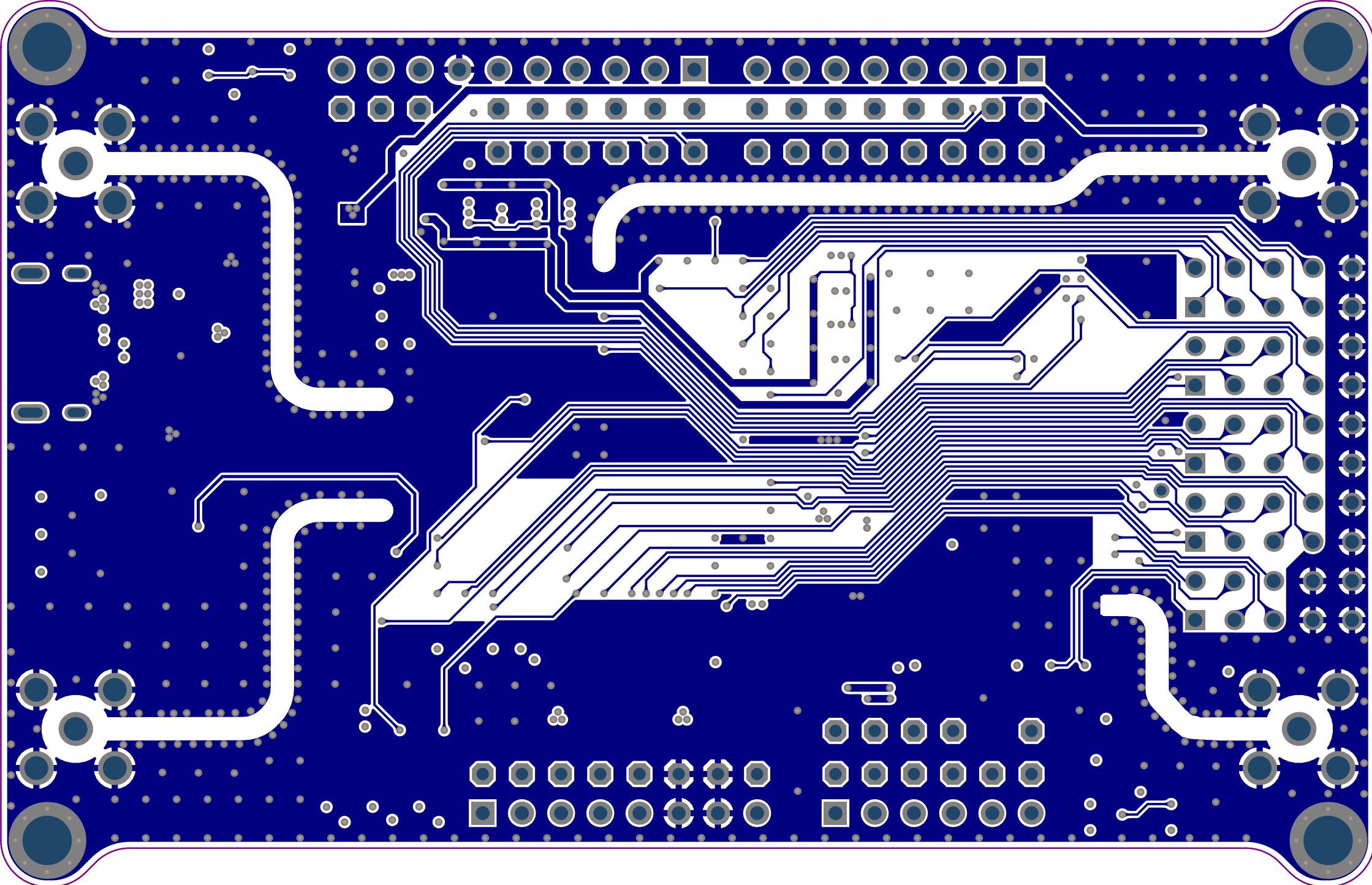
USER Buttons

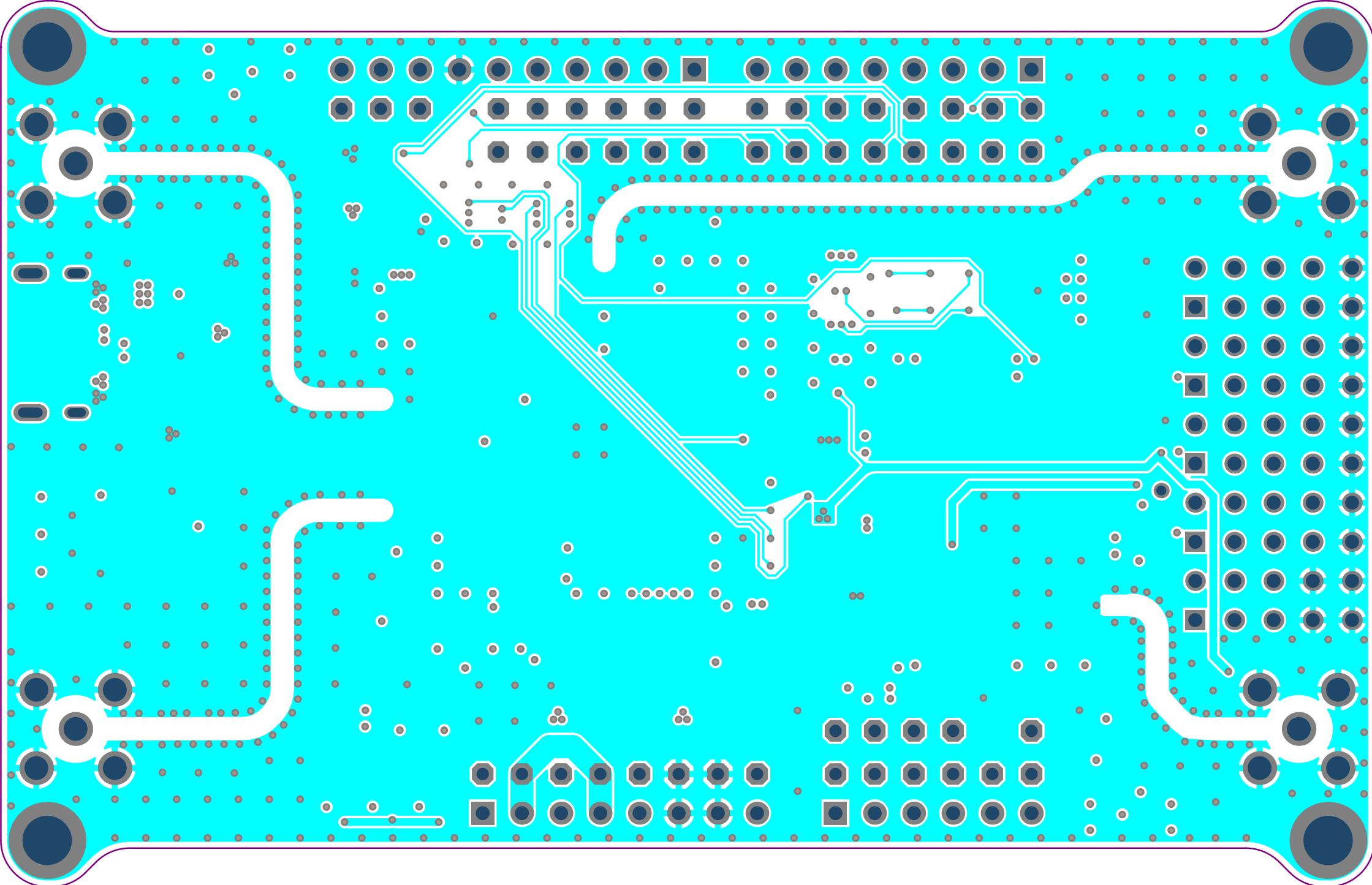


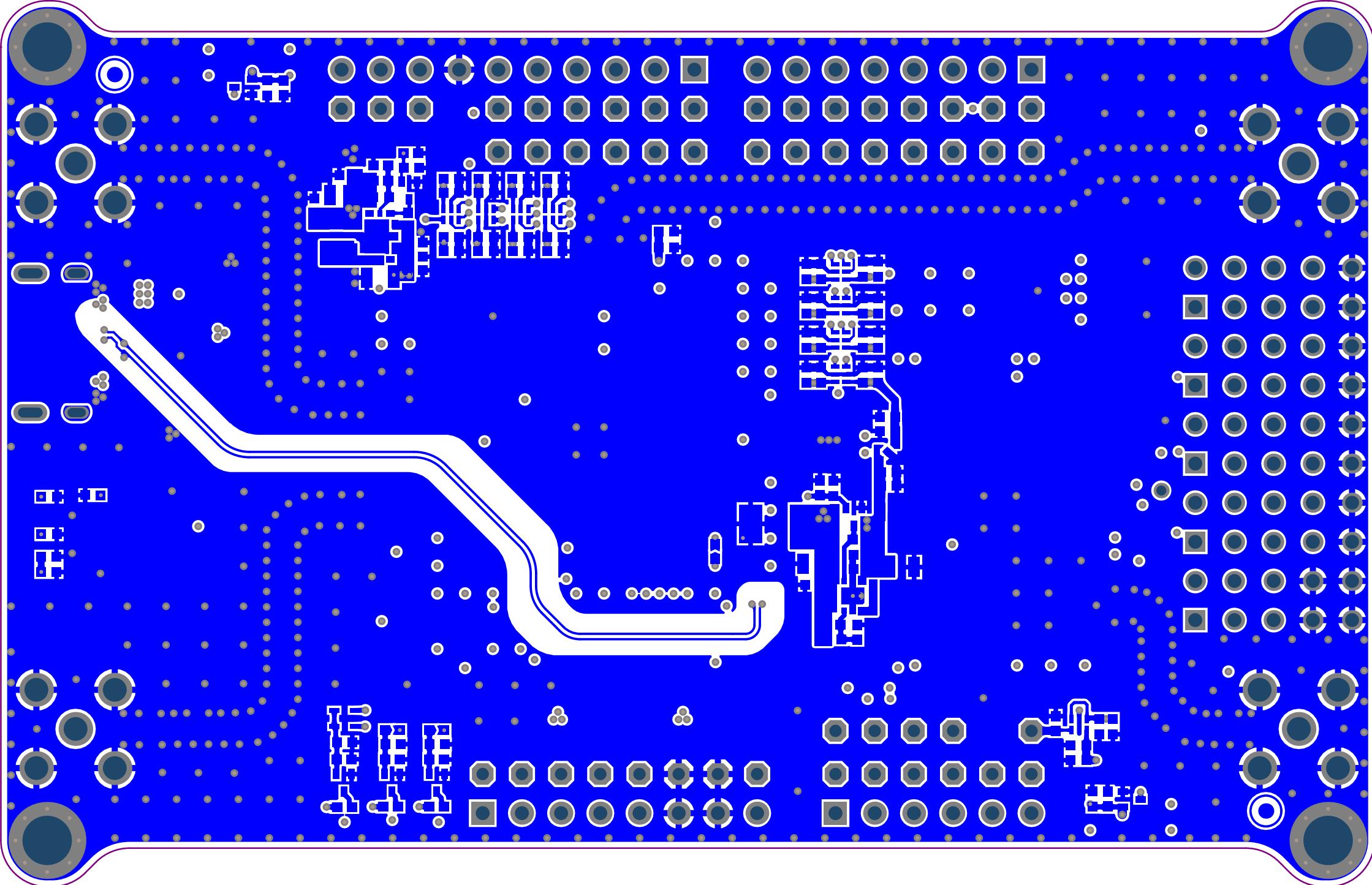


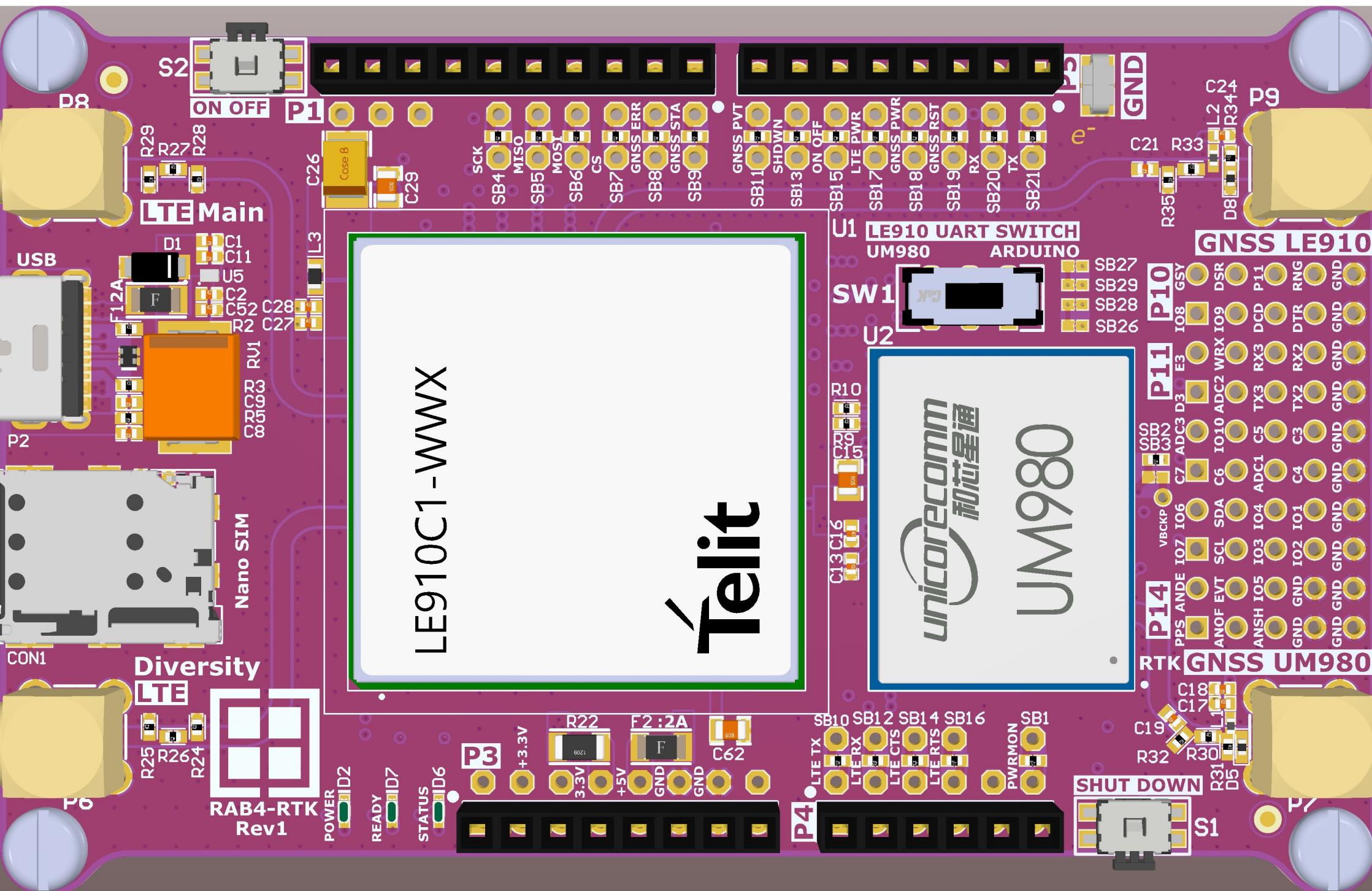


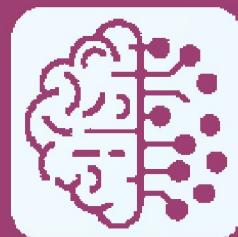












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