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**TITLE:** Wio LTE Cat NB1 v1.02 / SARA

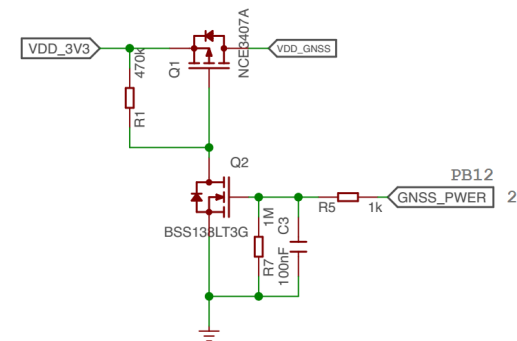
Design:

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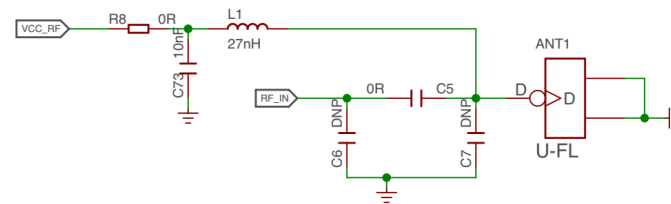
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**Vision:**

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Impedance of RF trace should be controlled by 50 ohm and the length should be kept as short as possible.



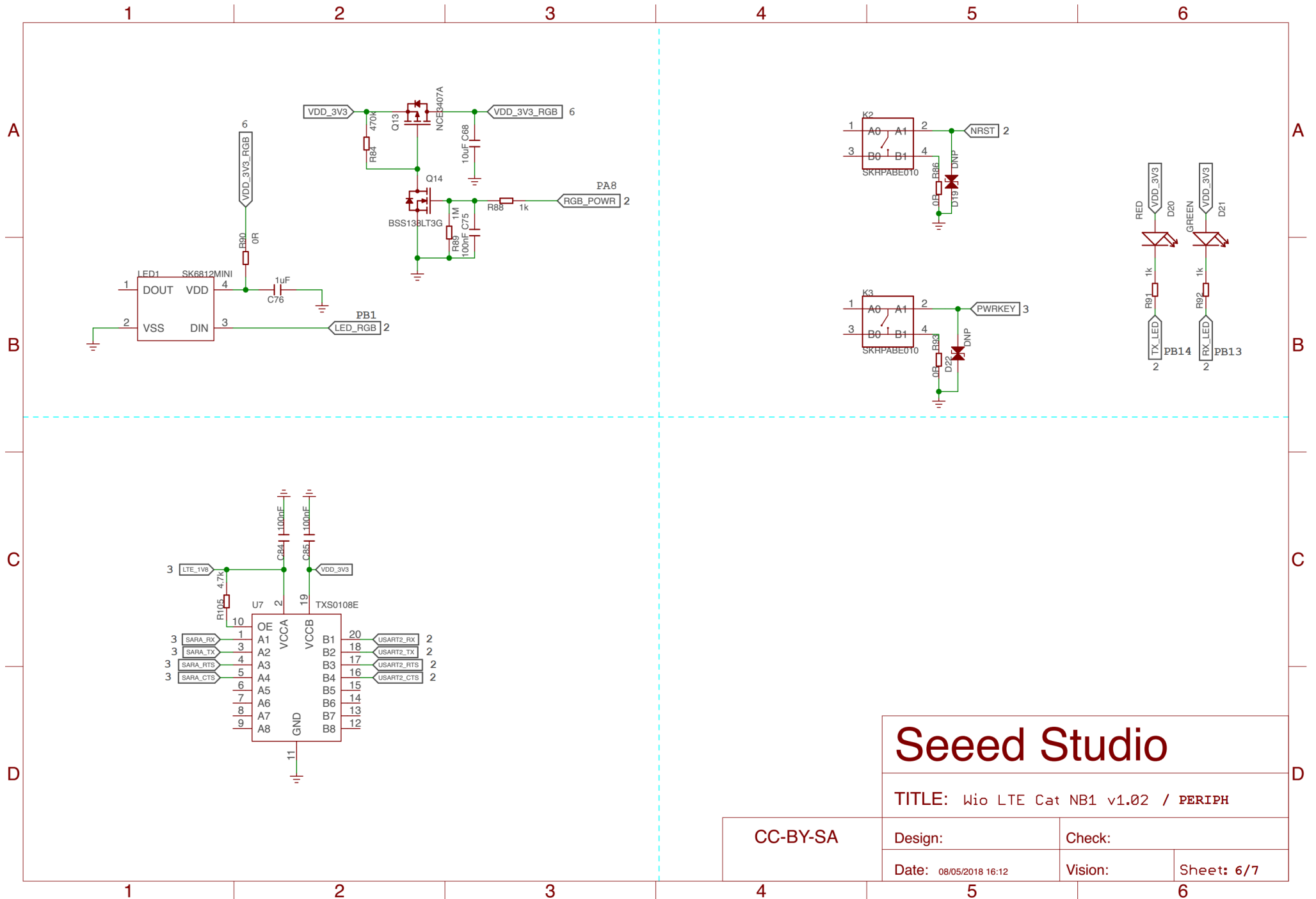
**TITLE:** Wio LTE Cat NB1 v1.02 / GPS

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# Seeed Studio

TITLE: Wio LTE Cat NB1 v1.02 / PERIPH

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# Wio LTE CPU Pin Assignment

POWER	
PA9	5V
PB0	BAT_C

SARA	
PB5	LTE_POWER
PC3	RESET_MODULE
PC4	PWRKEY_MODULE
PA0	USART2_CTS
PA1	USART2_RTS
PA2	USART2_TX
PA3	USART2_RX

GPS	
PB12	GNSS_POWER
PC1	GNSS_RST
PB15	GNSS_1PPS
PC2	GNSS_INT
PB10	USART3_TX
PB11	USART3_RX

RGB	LED
PA8	RGB_POWER
PB1	LED_RGB

TX	RX	LED
PB13		RX_LED
PB14		TX_LED

SD_CARD	
PA15	SD_POWER
PC8	SDIO_D0
PC9	SDIO_D1
PC10	SDIO_D2
PC11	SDIO_D3
PC12	SDIO_CK
PD2	SDIO_CMD

GROVE						
PIN	D38	D20	A6	A4	UART	I2C
1	PC6	PB4	(IN6) PA6	(IN4) PA4	(U1_RX) PB7	(SCL) PB8
2	PC7	PB3	(IN7) PA7	(IN5) PA5	(U1_TX) PB6	(SDA) PB9
3	VDD_3V3	VDD_3V3_B	VDD_3V3_B	VDD_3V3_B	VDD_3V3_B	VDD_3V3_B
4	GND	GND	GND	GND	GND	GND
PC0	GRO_POWER -> VDD_3V3_B					