

3/4 ß Õ ñ £ ° 26 MHz R1620

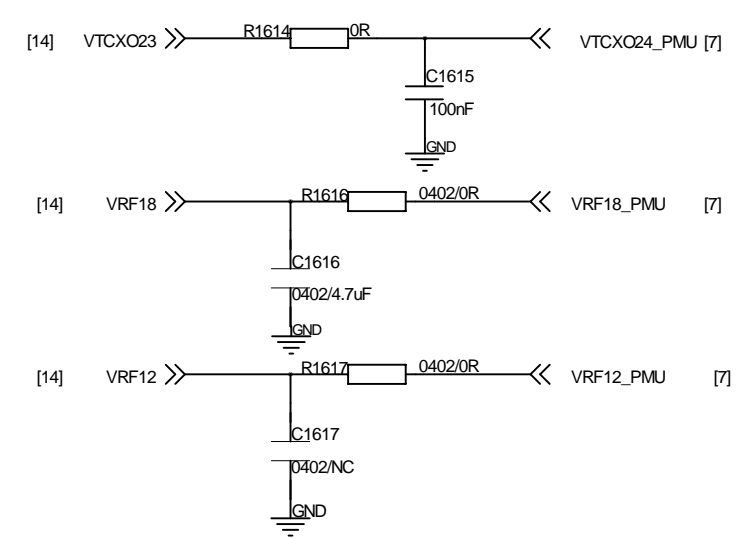
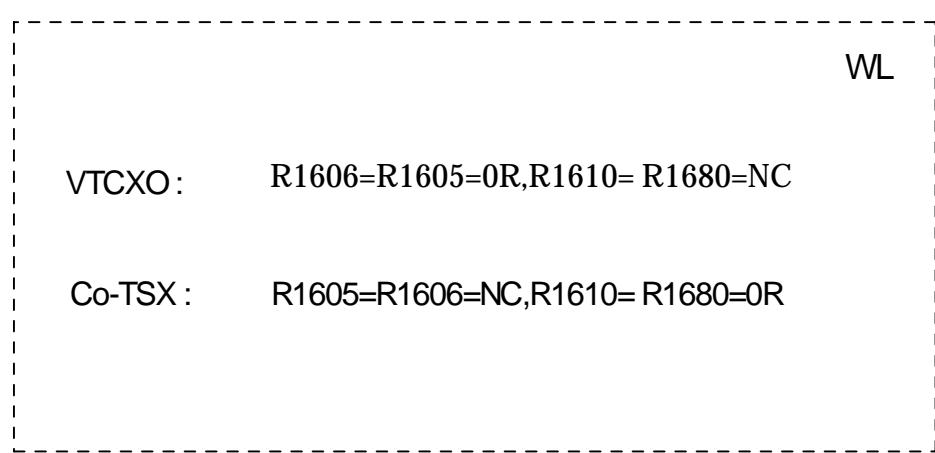
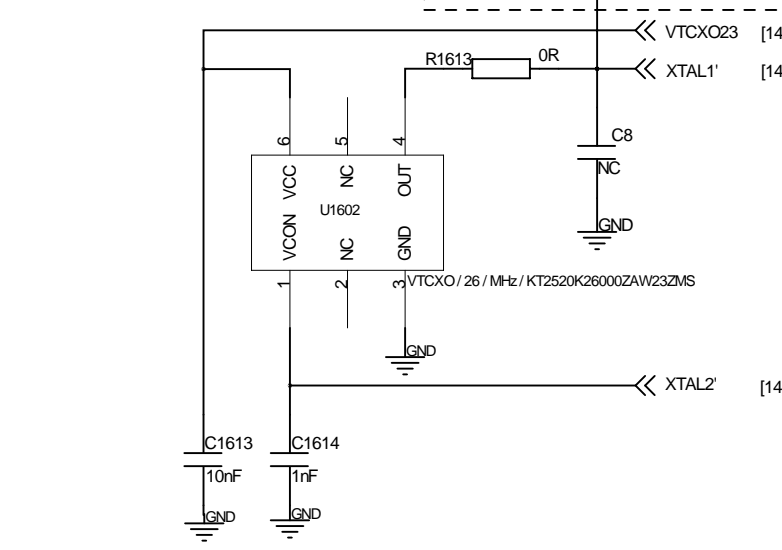


Figure 1: Schematic representation of the four groups of the 16 PRX1-PRX16 genes. The genes are arranged in a row and grouped into four clusters: Group1 (PRX14, PRX13, PRX12, PRX11), Group2 (PRX10, PRX9, PRX8), Group3 (PRX7, PRX6, PRX5, PRX4), and Group4 (PRX3, PRX2, PRX1). Each group is represented by a set of colored triangles (blue for Group1, green for Group2, orange for Group3, and purple for Group4) pointing downwards. Below each group, a box contains the mean expression values (log2) for each gene in the group, with the values in parentheses indicating the values for the corresponding gene in the other three groups.

Gene	Group1 (log2)	Group2 (log2)	Group3 (log2)	Group4 (log2)
PRX14	3.2	2.7	2.2	0.7
PRX13	3.7	2.2	2.0	0.9
PRX12	2.3	2.6	2.2	0.8
PRX11	1.7	2.9	2.0	0.8
PRX10	2.7	3.0	1.9	0.8
PRX9	2.7	3.0	1.9	0.8
PRX8	2.7	3.0	1.9	0.8
PRX7	2.7	3.0	1.9	0.8
PRX6	2.7	3.0	1.9	0.8
PRX5	2.7	3.0	1.9	0.8
PRX4	2.7	3.0	1.9	0.8
PRX3	2.7	3.0	1.9	0.8
PRX2	2.7	3.0	1.9	0.8
PRX1	2.7	3.0	1.9	0.8

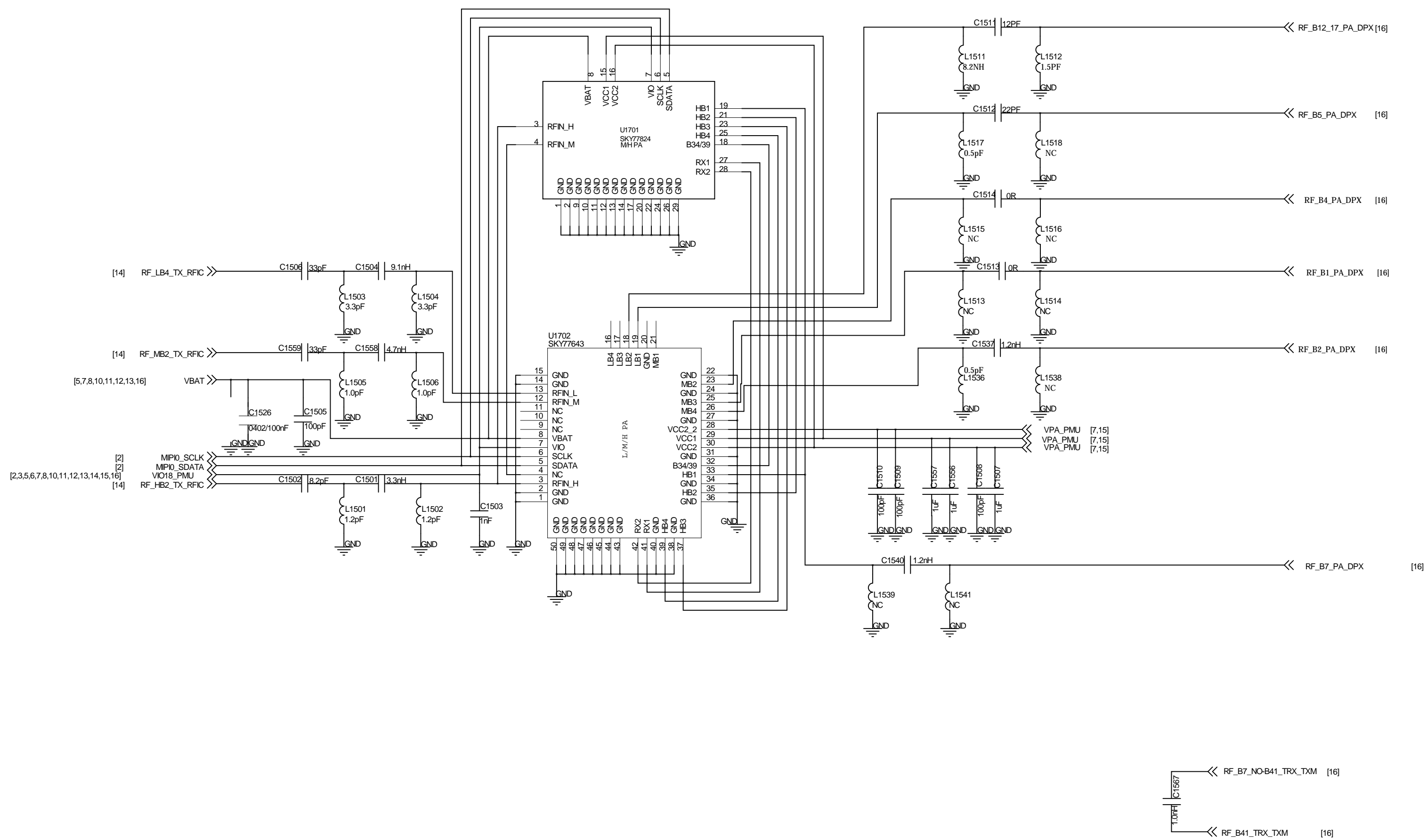
- Note: This is RF transceiver supported band, not reference design supported band
- Check the LNA port assignment for CA application.

- Exception A: For B1+28 CA, put B1 PRX @Group2.Port9 & B1 DRX @Group1.Port12
- Exception B: For B7+B4 CA, put B4 PRX @Group2.Port9 & B4 DRX @Group1.Port12
For B30+B4 CA, put B4 PRX @Group2.Port9 & B4 DRX @Group1.Port12
- Exception C: For B8+B20 CA, put B20 PRX @Group3.Port4 & B20 DRX @Group3.Port7

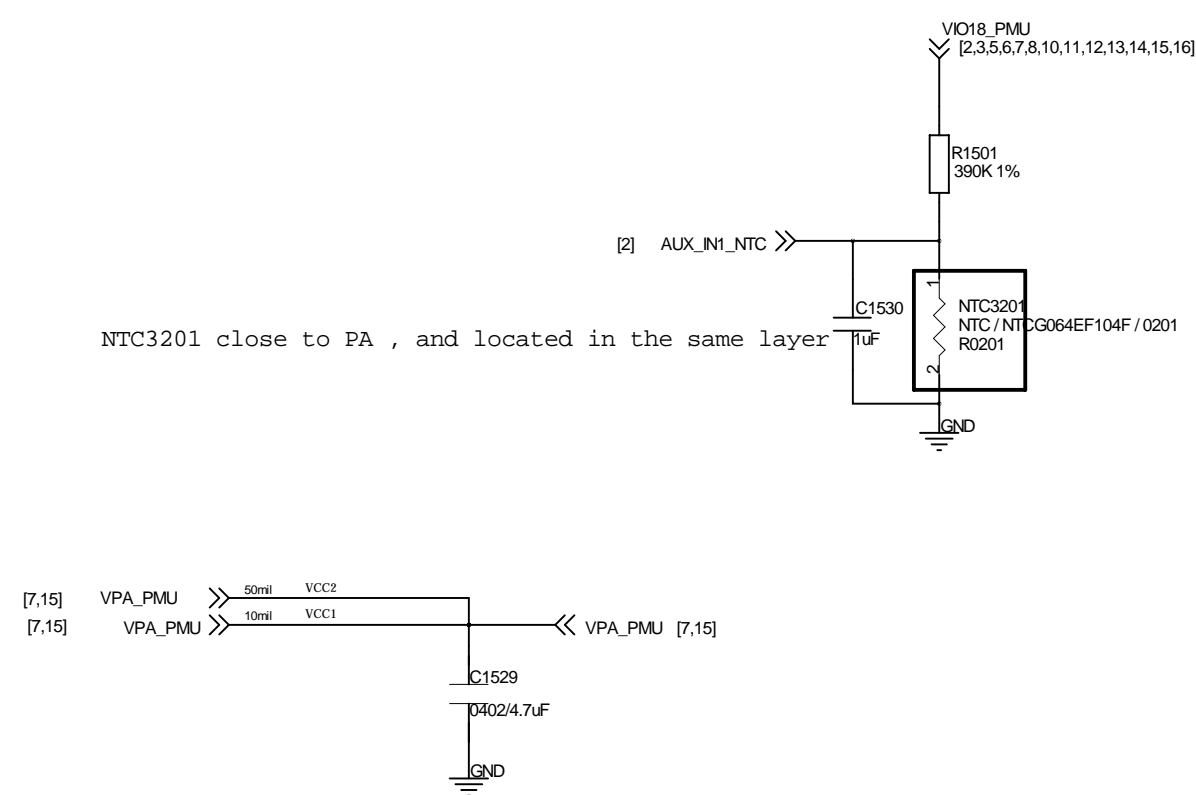
LNA port Assignment		Group1				Group2				Group3				Group4			
		P/DRX	Port14	Port13	Port12	Port11	Port10	Port9	Port8	Port7	Port6	Port5	Port4	Port3	Port2	Port1	
Reference design [CMCC/APAC/EU]	China + APAC + EU: reference LNA port	PRX	B7	B40	B4	B41 B38	B2	B4** B1**	B3	B1	B39 (B34)	B288	B28A	B5 B26	B8	B20	
		DRX	B3	B2	B4** B1**	B41	B4	B40	B7	B28A	B1	B39	B288	B5 B26	B8	B20	
Reference design [US/IP/Others]	US: reference LNA port	PRX	B7	B30 B23	B4 [B- 15] B11 B32	B2 [B- 1] B25 B21	B4**	B3 B9	B1 [B- 6] B10	-	B12 B13 B17	B20** B14	B5 B6 B18 B19 B26 [B-0] B27 [B-10]	B8	B29		
		DRX	B3 B9	B2 [B- 1] B25 B21	B4**	B41 B38	B4 [B- 15] B11 B32	B30 B11 B23	B7	B20** B14	B1 [B- 6] B10	-	B12 B13 B17	B5 B6 B18 B19 B26 [B-0] B27 [B-10]	B8	B29	

- For non-CA band, just follow the L,M,H range. The same with MT6169
- For CA band, must follow this table to assign LNA port in the same group, and recommend using the same port to lower risk

3G/4G PA

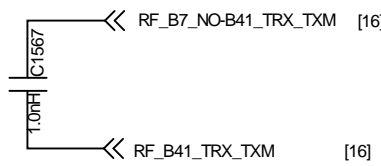


Thermistor / To sense board level temperature



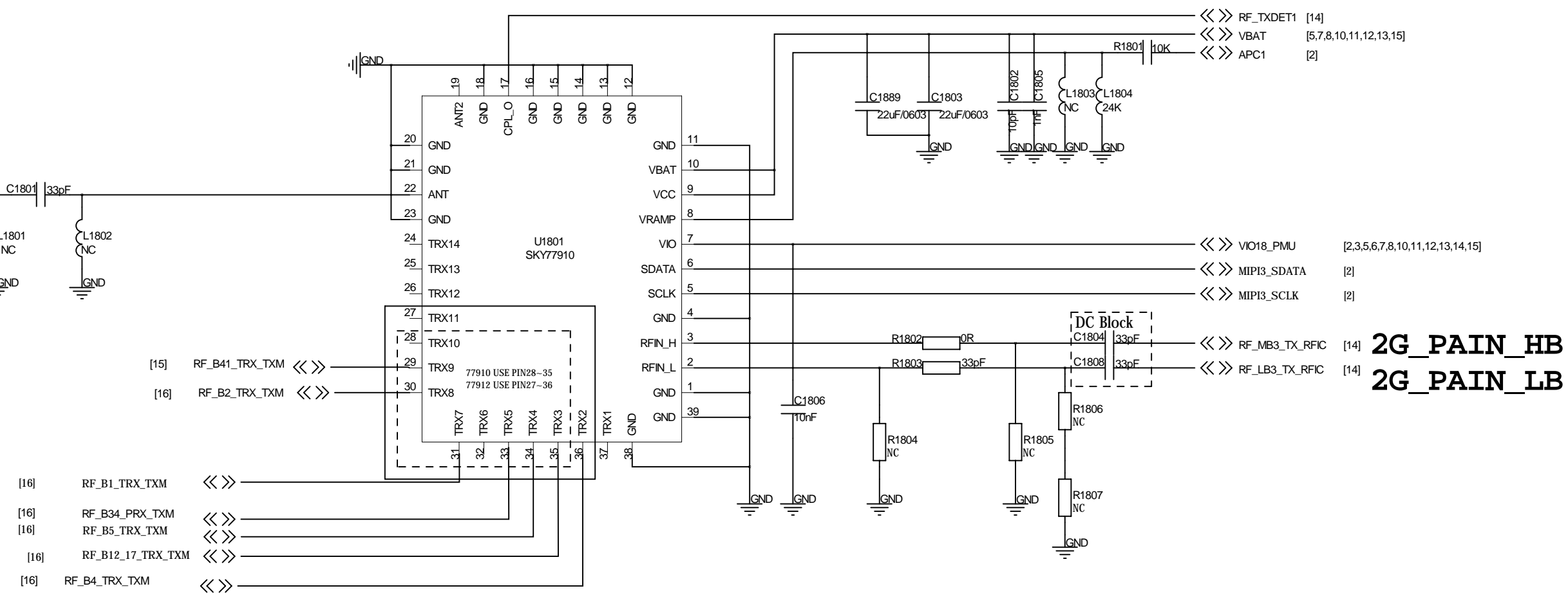
For power LTE_VMIPI star connection

B38/41 TRX



Note:
B39/B41 dip-SAW can support both non-CA and B39/41 CA, the CA feature depends on CA modem development done.

WCDMA



[10] RF_B1_TRX_TXM <<< >>> [14] RF_B1_RXD_RFIC <<< >>>

U1831: D09V25A9EY1G74B0B0A

ANT TX RX G

L1822 1.8kH L1821 3.3nH C1818 1.8kH L1818 2.7pF C1817 22pF

RF_B1_PA_DPX <<< >>>

<<>>
 [16] RF_GSM00_TRX5
 C1831
 L1831
 SAW1 SAW160301A00A
 C1832
 L1832
 C1833
 22pF
 RF_GSM00_PRX_RFC [14]

[5,7,12,16,17] VTCXO28_P12 << >> VTCXO28_P12 [5,7,12,16,17]

C3383 is power
capacitor of PM

[16] RF_GSM900_TRX5<<>> — OR | C1856

[illegible]

[15] RF_BS_PA_DPX <<>

[16] RF_BS_TRX_TXM <<>

U1804
DPX/SAVE1C74B030A

ANT TX 3
RX 4
G 8

C1812 5.1nH
L1809 NC
L1810 10nH
C1813 15nH
C1814 22nF
L1812 NC

RF_BS_PXX_RF1C [14]

[illegible]

[15] RF_B12_17_PA_DPX <<>

[16] RF_B12_17_TRX_TXM <<>

U1812
DPX/SAYEYIG7480C80A

ANT TX RX GND

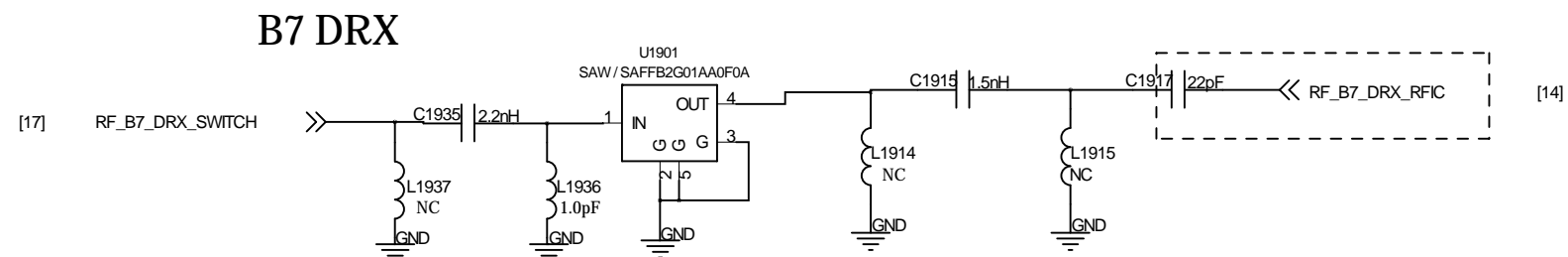
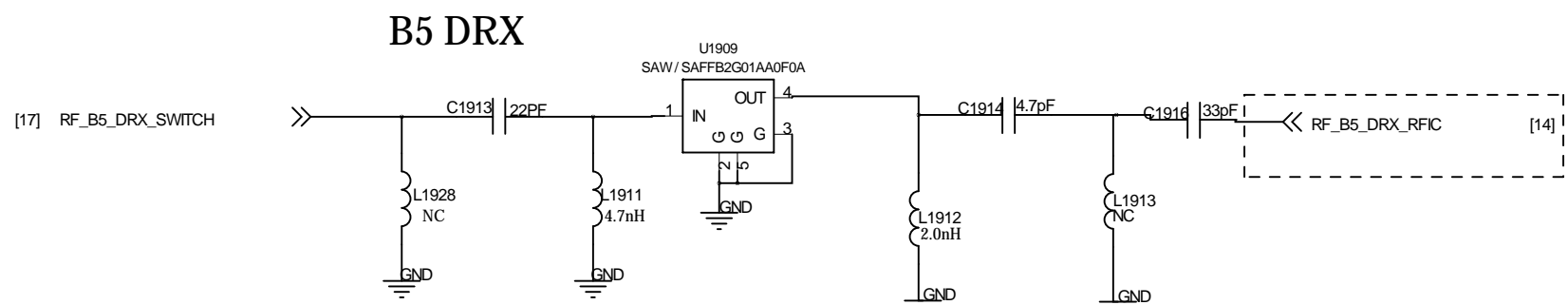
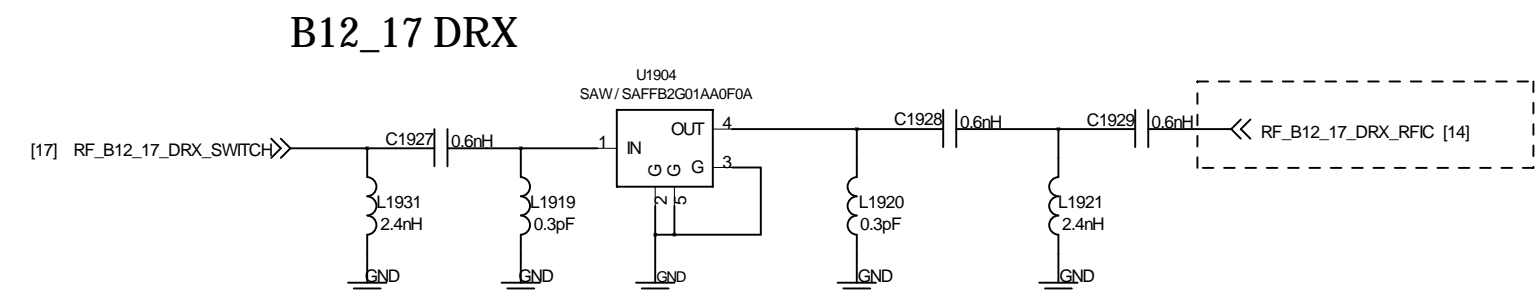
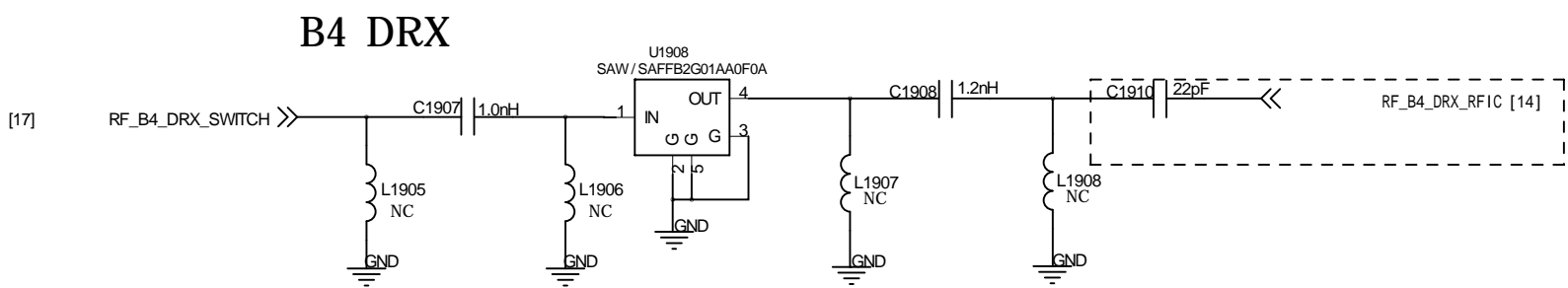
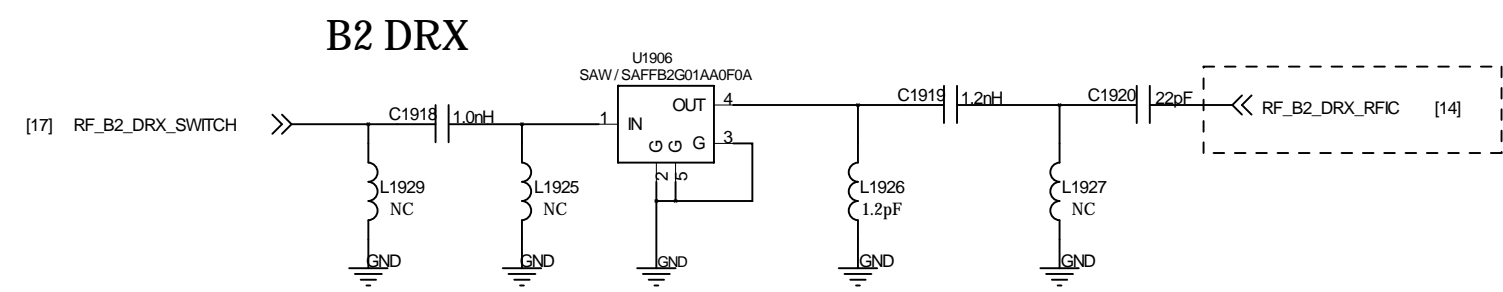
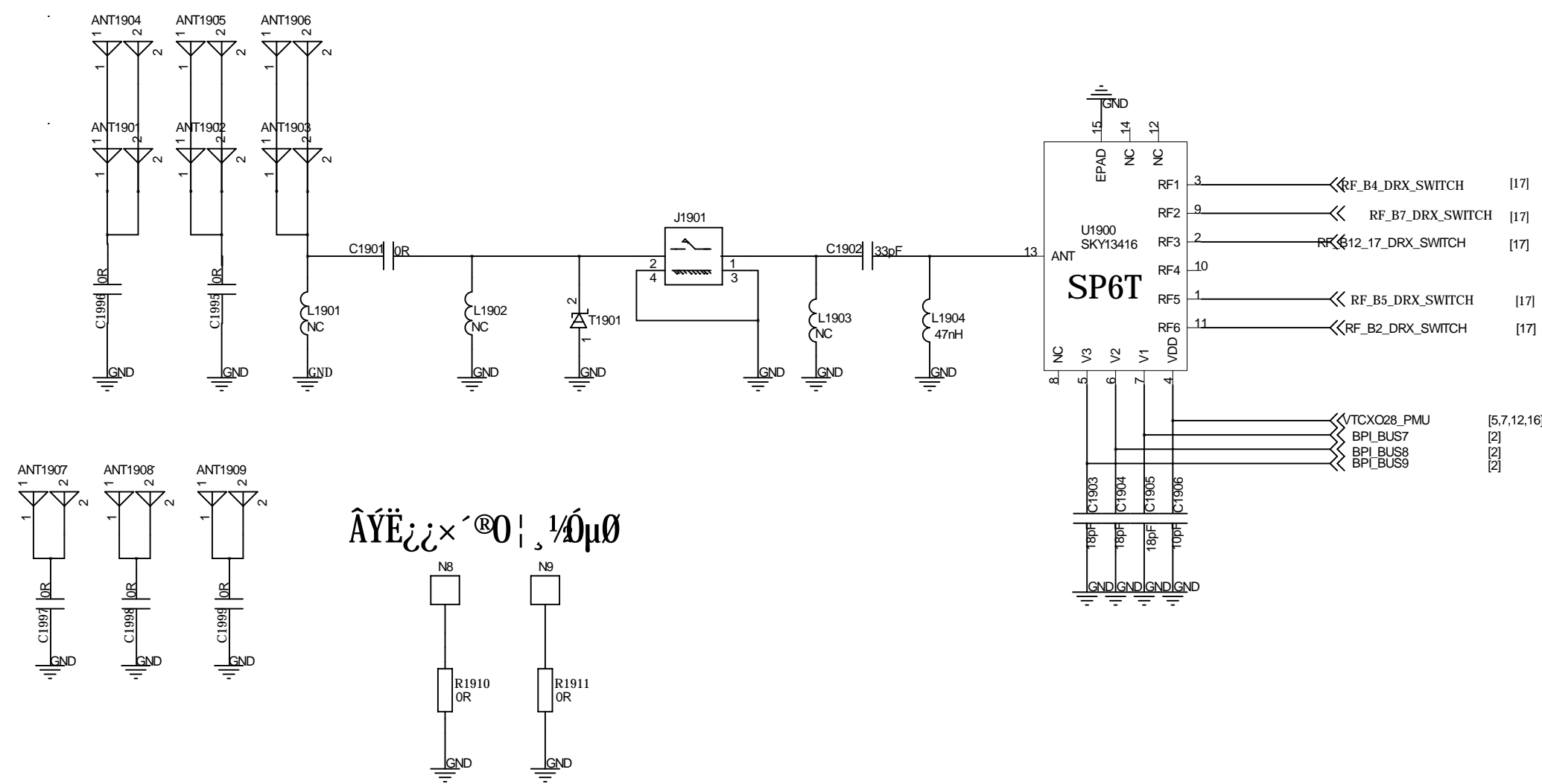
1.5V

22pF

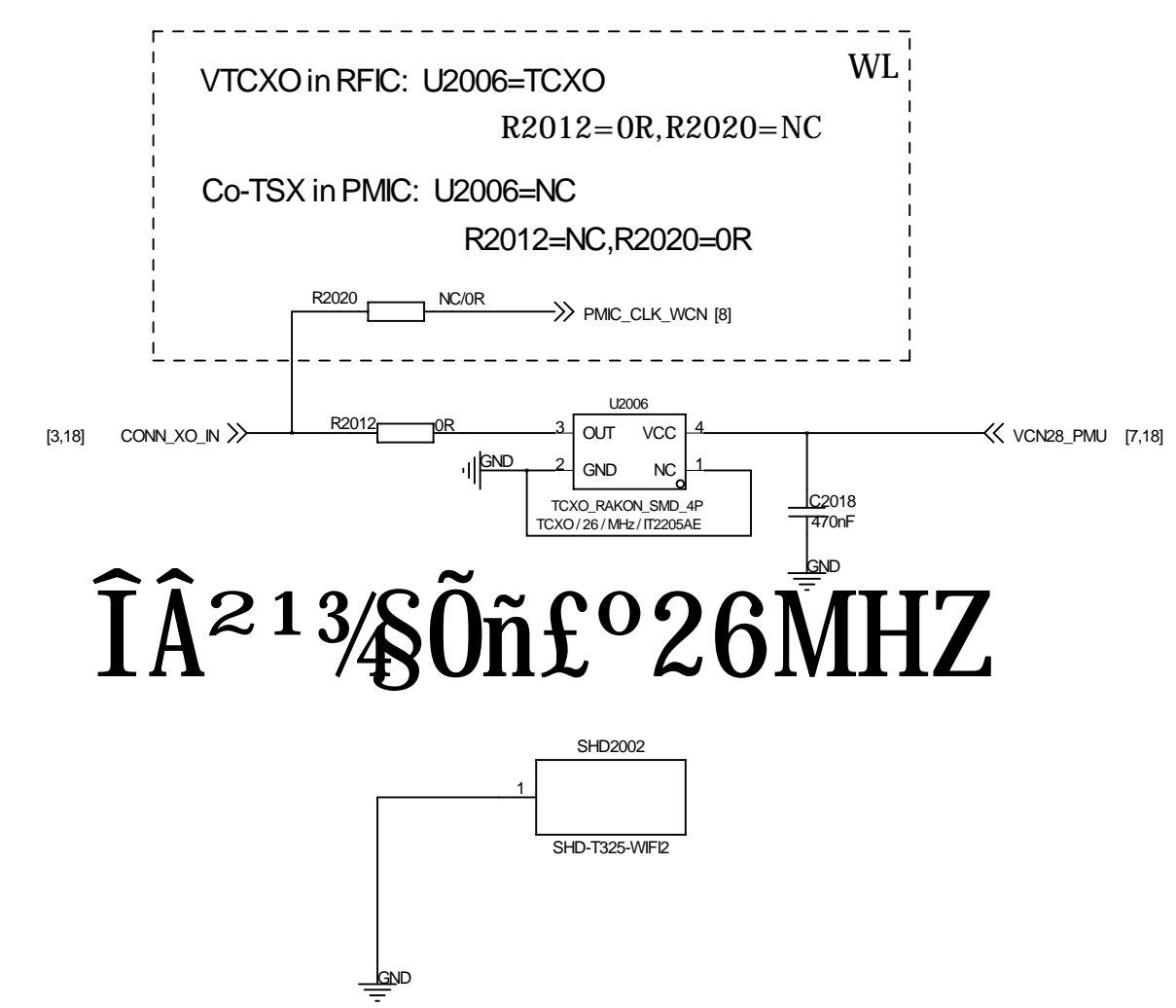
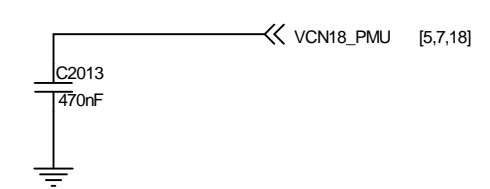
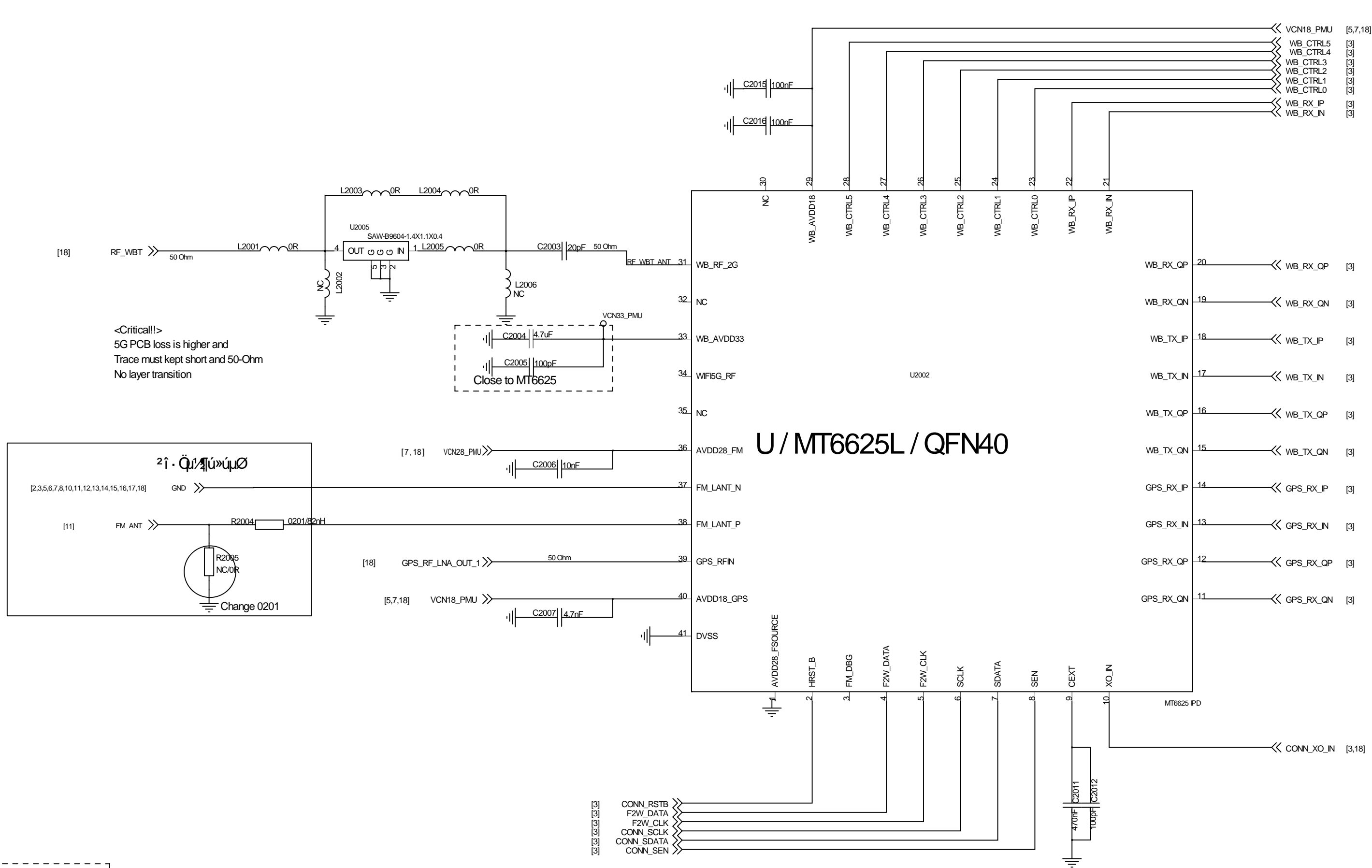
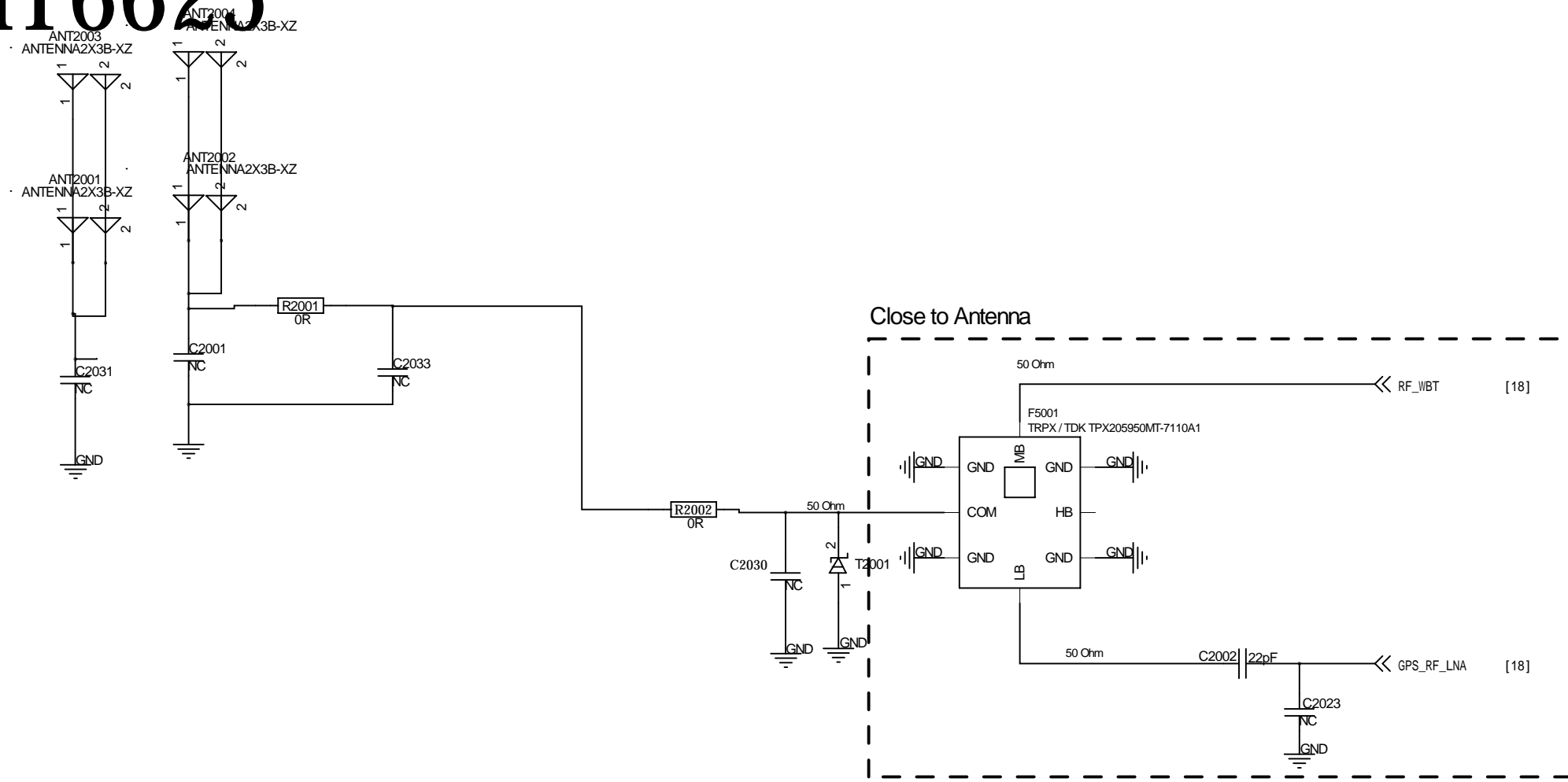
RF_B12_17_RX_RXIC [14]

DRX ANT: 1805-2690MHz

FDD DRX



MT6625



GPS xLNA

