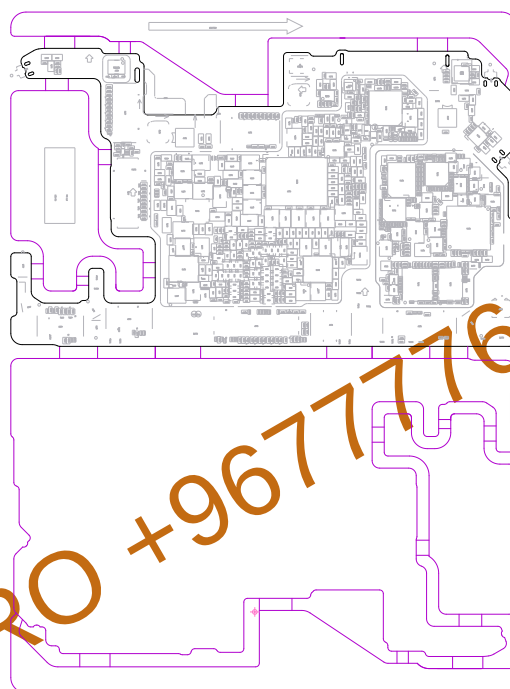
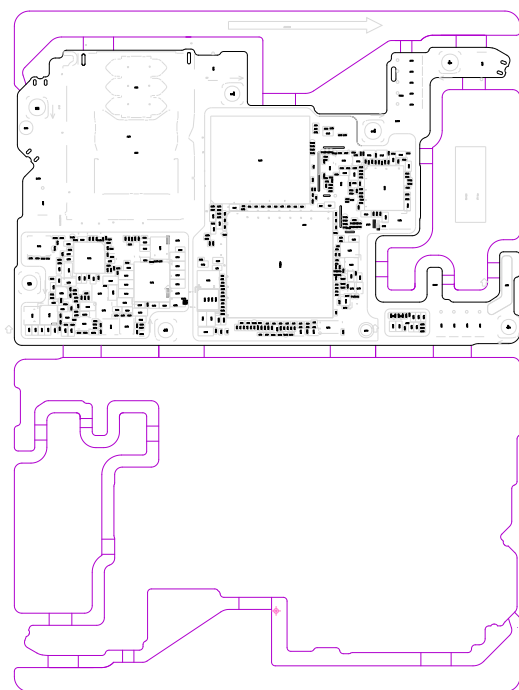




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Baseband Schematic

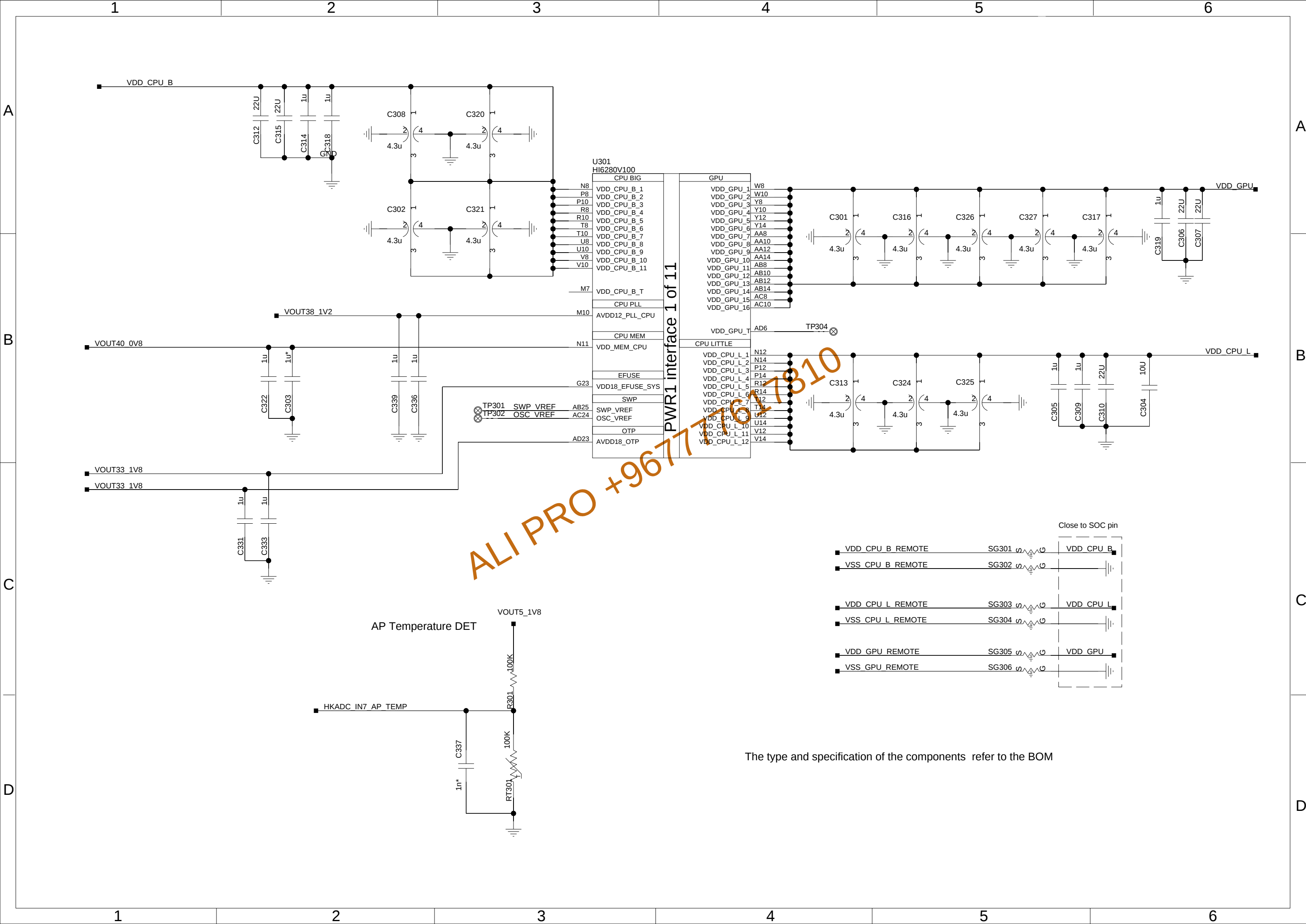
- 1. Connects
- 2. Block Diagramm
- 3. SOC PWR1
- 4. SOC PWR2
- 5. SOC PWR3
- 6. SOC HS Part
- 7. SOC GPIO Part
- 8. SOC RF Part
- 9. SOC GND
- 10. Hi6555_LDO
- 11. Hi6555_BUCK
- 12. Hi6555_Digital
- 13. Hi6555_Codec/Hi6422V320
- 14. Hi6422V320 reserved
- 15. LPDDR4x
- 16. UFS
- 17. Hi6405_CODEEC
- 18. BATTERY
- 19. TP/LCD
- 20. TP/LCD Reserve
- 21. Flash and Camera Power
- 22. Front CAM/MIPI switch
- 23. RCAM Interface
- 24. CAM Reserve
- 25. Charger management
- 26. Direct Charger
- 27. Wireless Charger
- 28. USB/TYPE_C interface
- 29. Interface Reserve
- 30. MIC/RCV/VIB/HAC
- 31. Headphone/HIFI

- 32. Smart PA
- 33. Smart PA Reserve
- 34. Sensor
- 35. SIM/SD Card
- 36. FPC1
- 37. FPC2
- 38. LED/KEY
- 39. NFC_BB
- 40. Test point/shields

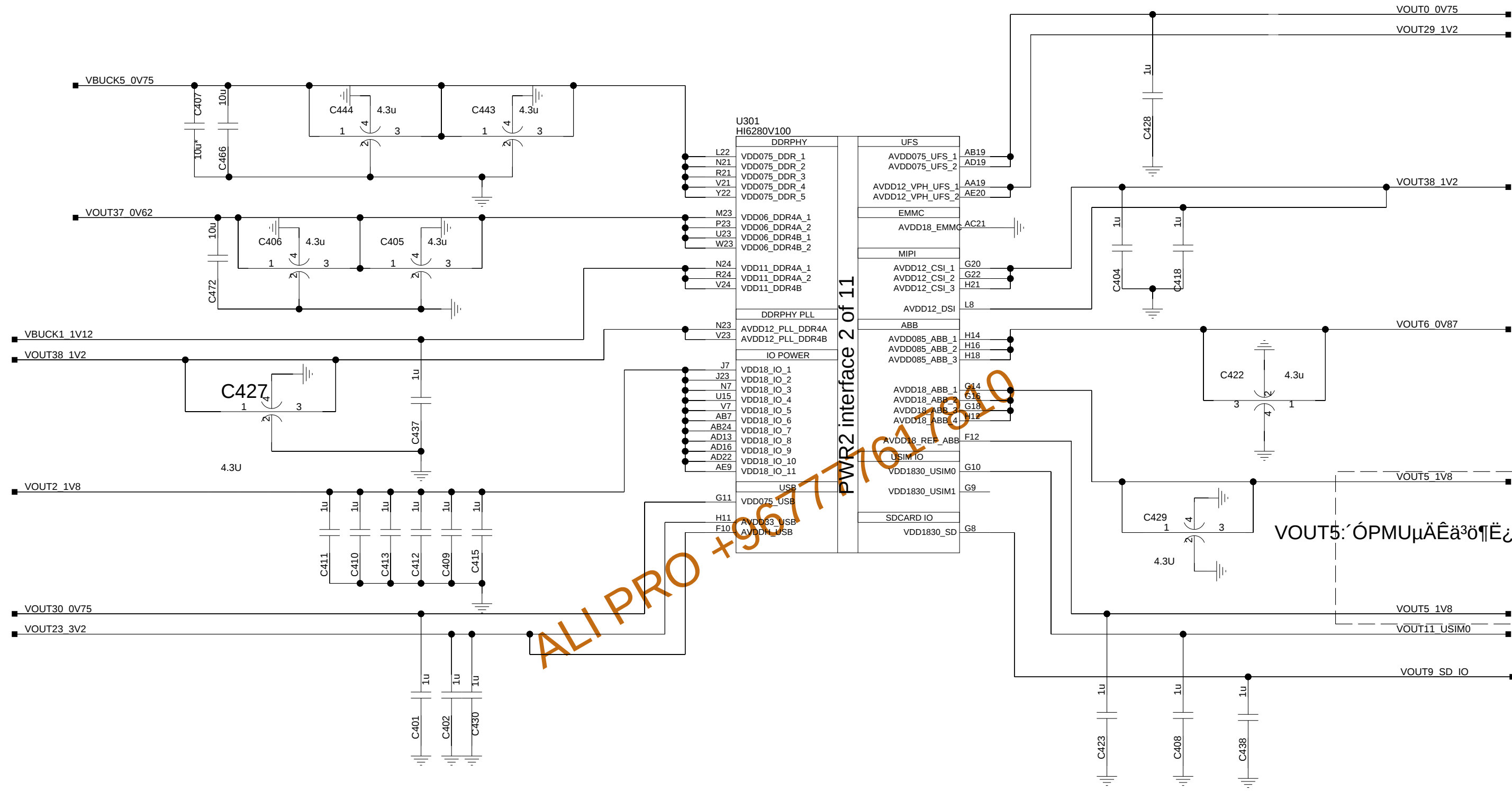
RF Schematic

41-84. RF

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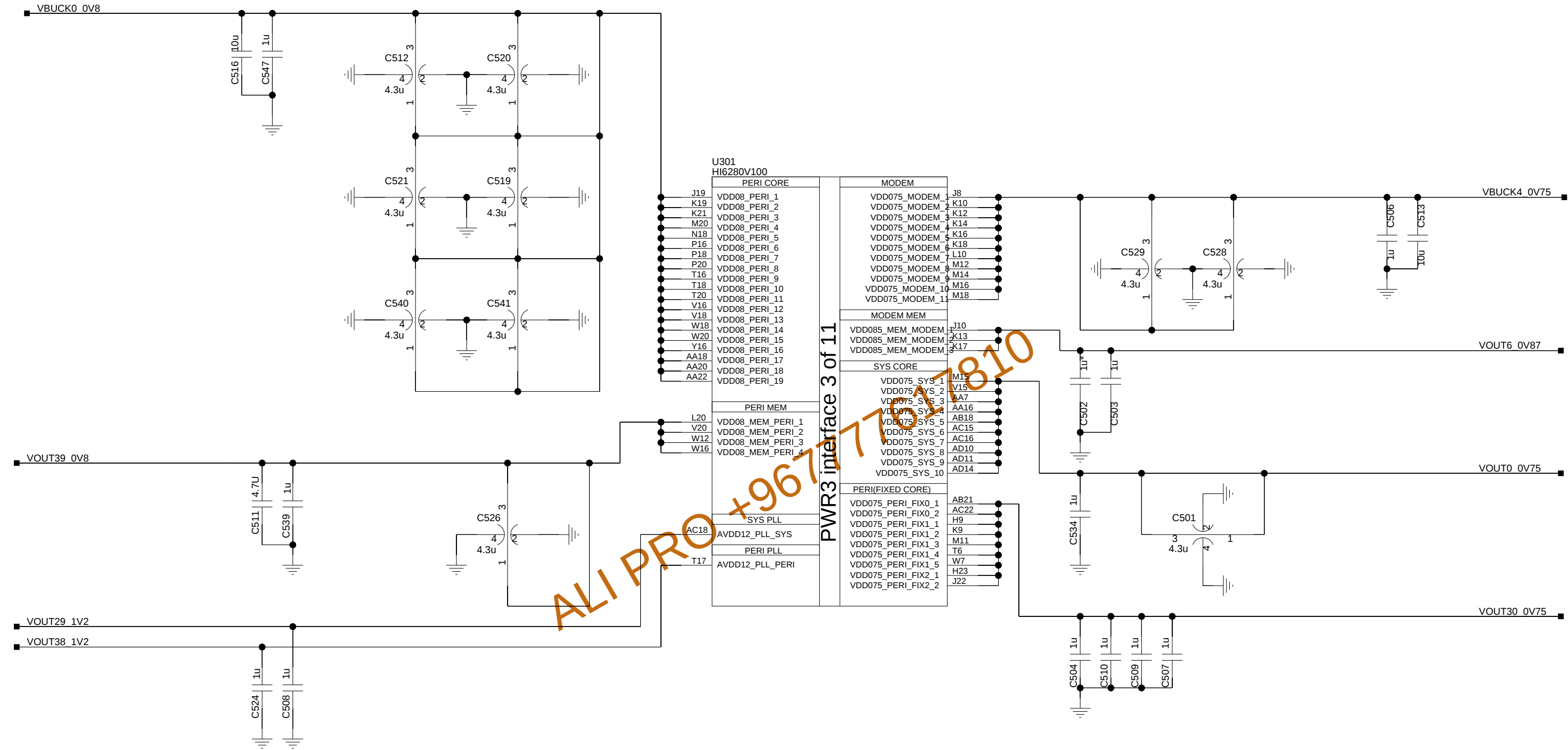


4. SOC PWR2



The type and specification of the components refer to the BOM

5. SOC PWR3



The type and specification of the components refer to the BOM

[illegible]

7. SOC GPIO Part

U301 HI6280V100

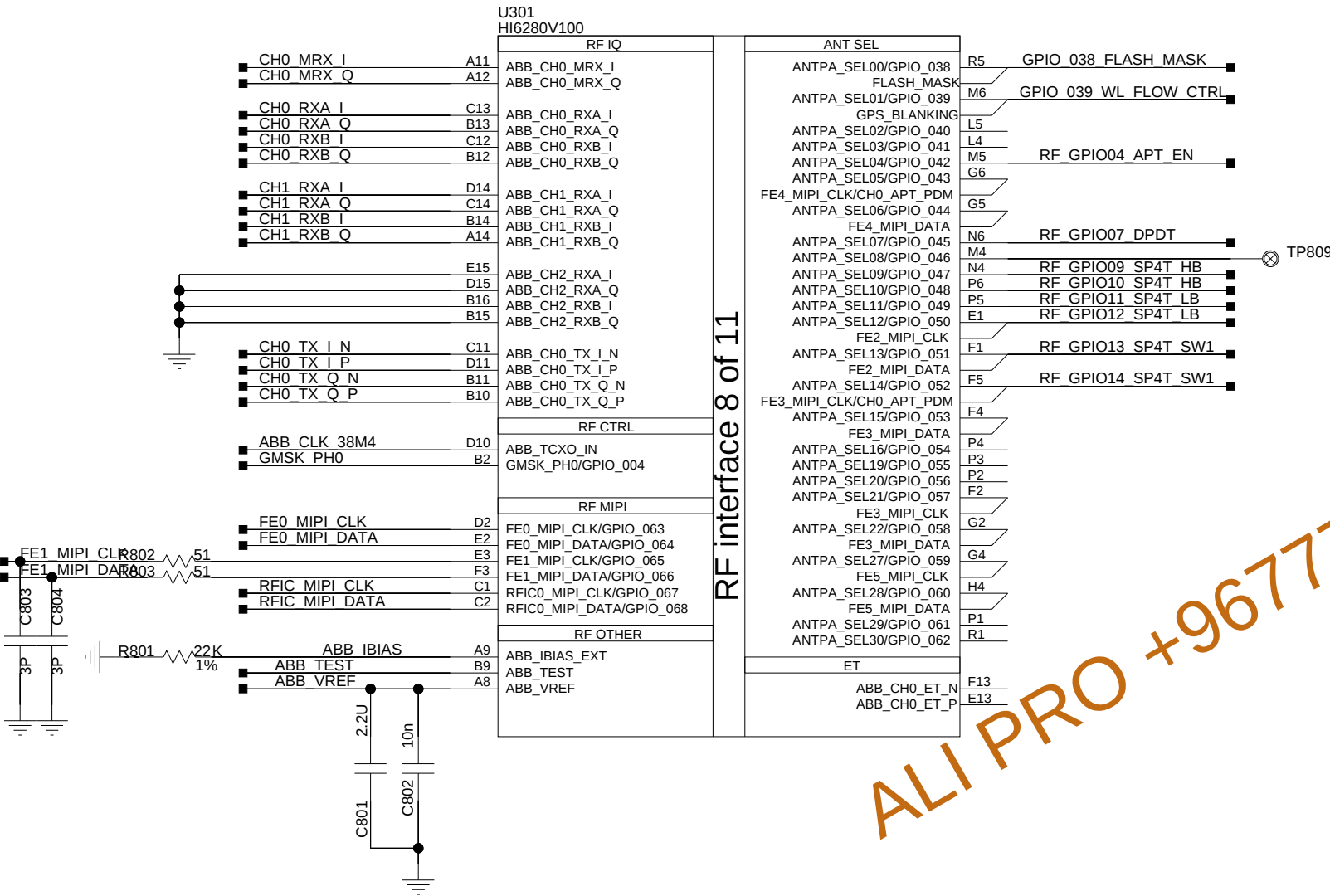
DS1 interface 6 of 11

DS2 interface 7 of 11

The type and specification of the components refer to the BOM

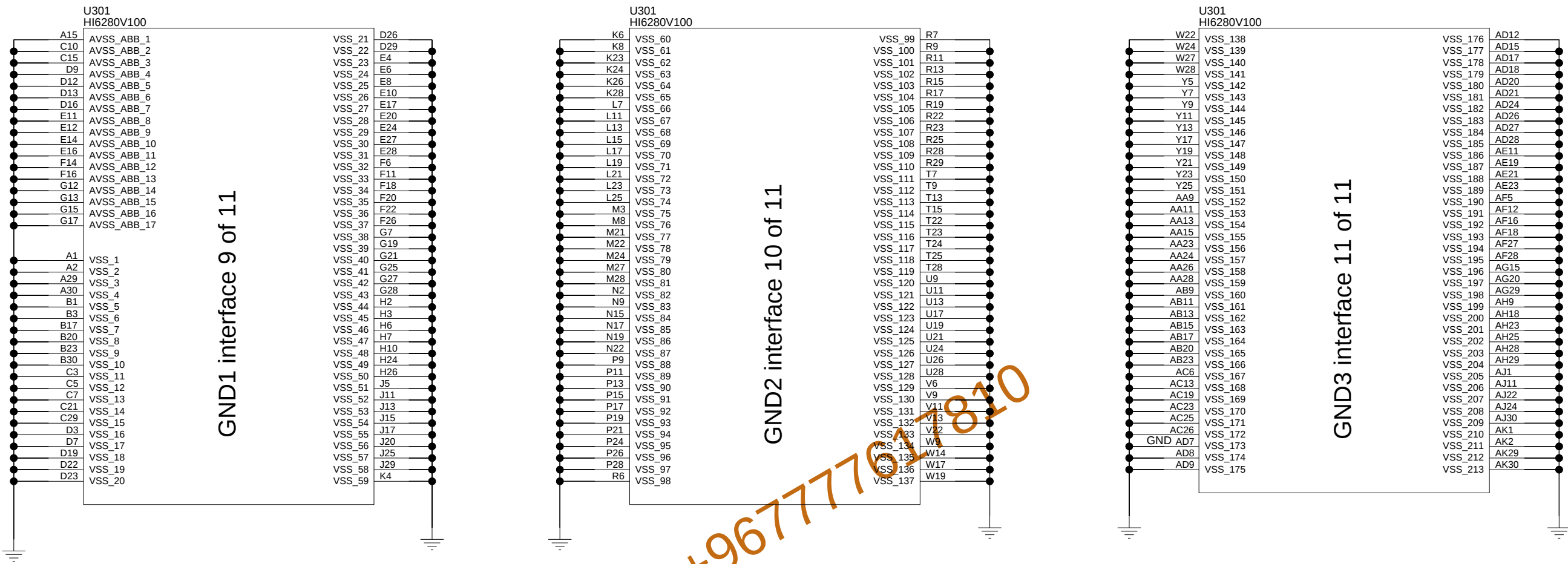
GPIO_037_DDR_TYPE_SEL=0-EMCP
GPIO_037_DDR_TYPE_SEL=1-ÔÃ±DDR

8. SOC RF Part



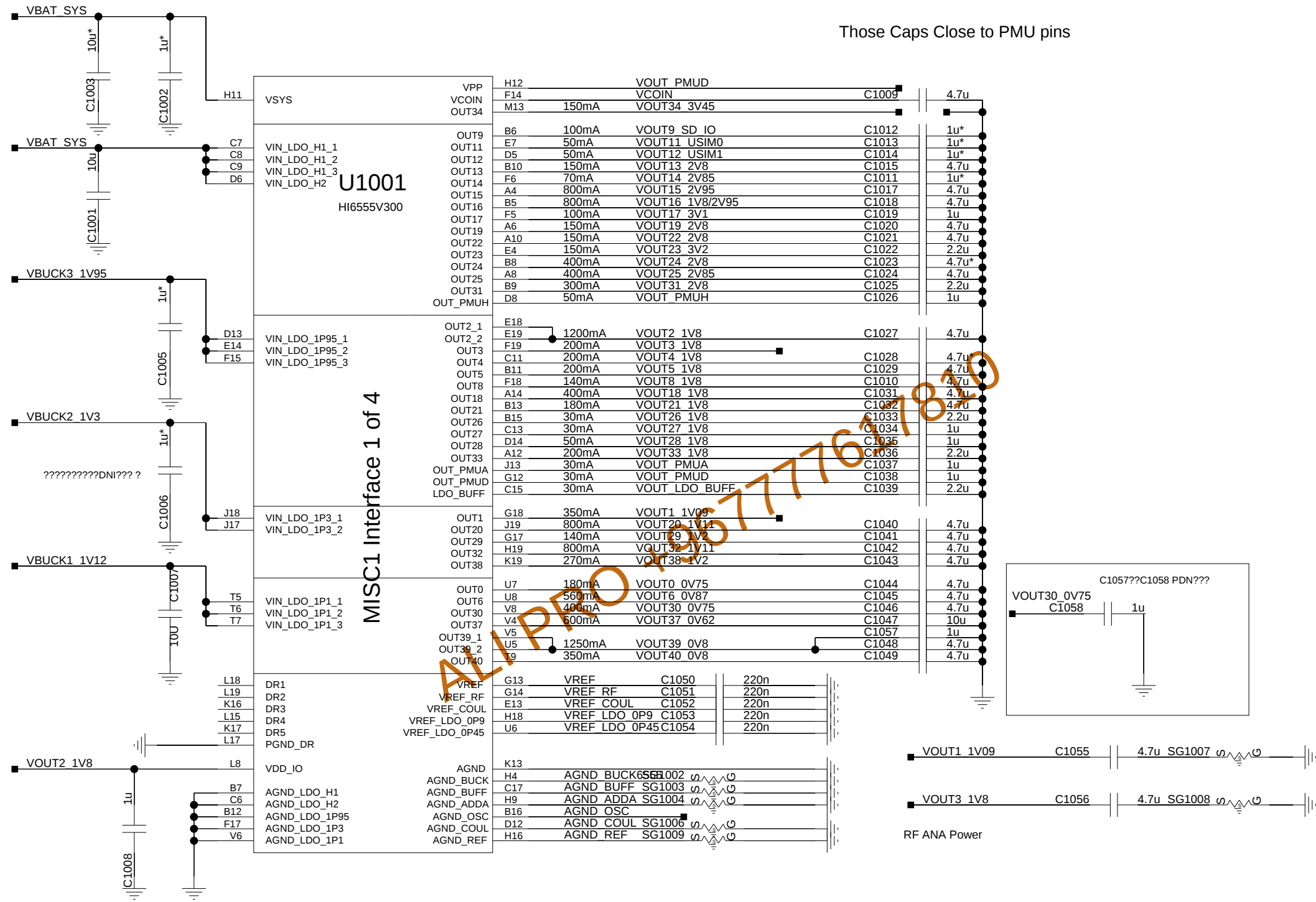
The type and specification of the components refer to the BOM

9. SOC GND



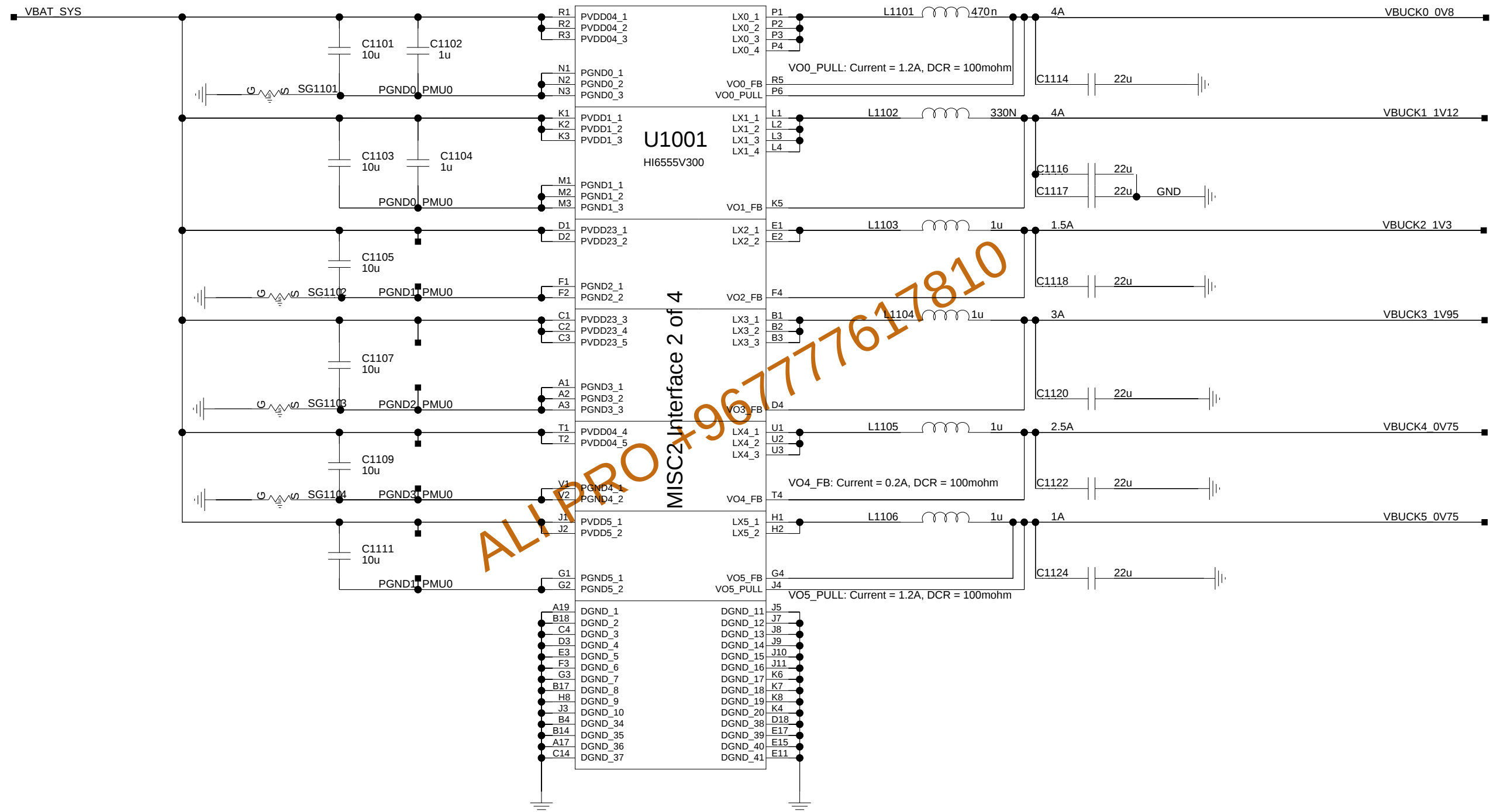
The type and specification of the components refer to the BOM

10. Hi6555_LDO



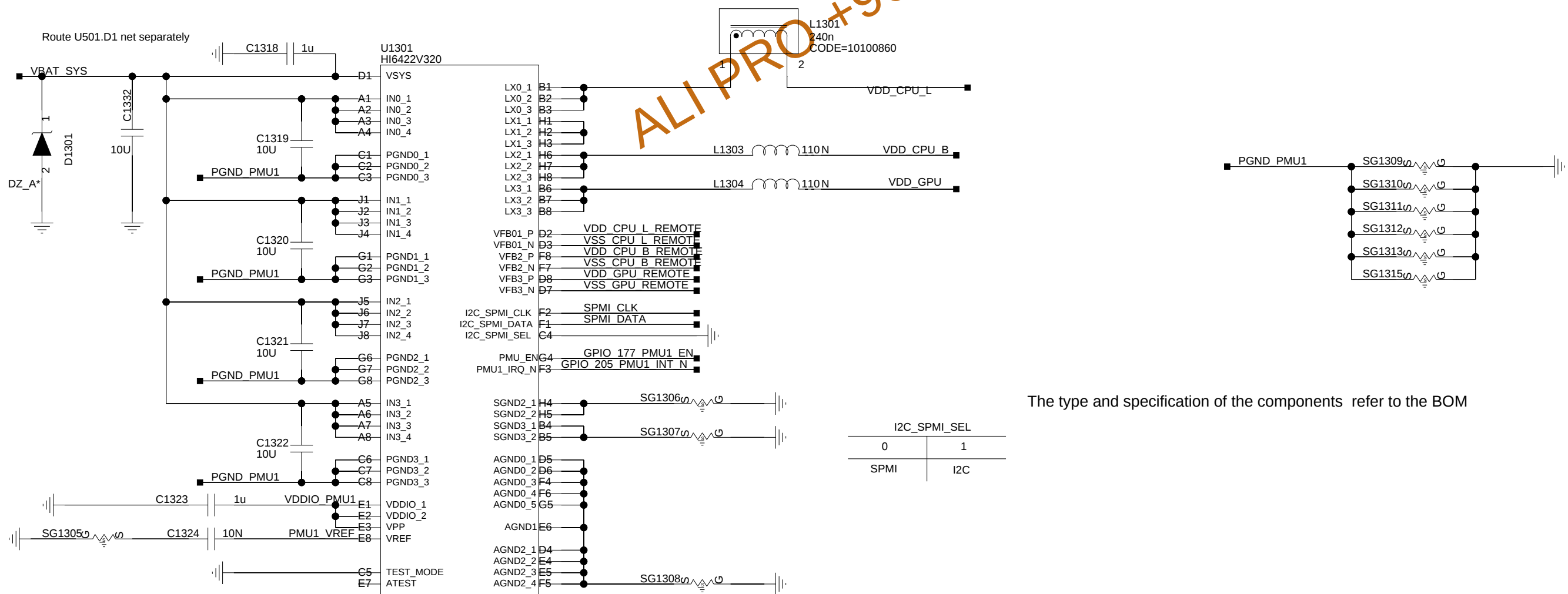
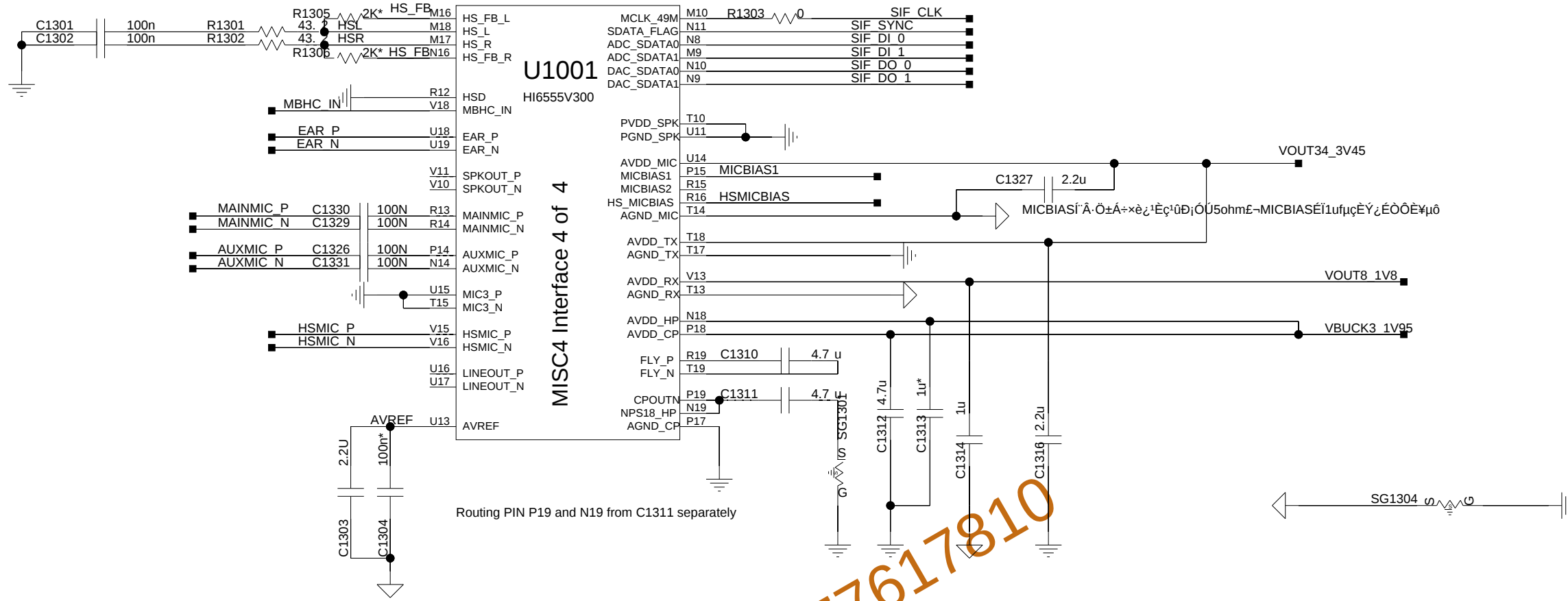
The type and specification of the components refer to the BOM

11. Hi6555_BUCK



The type and specification of the components refer to the BOM

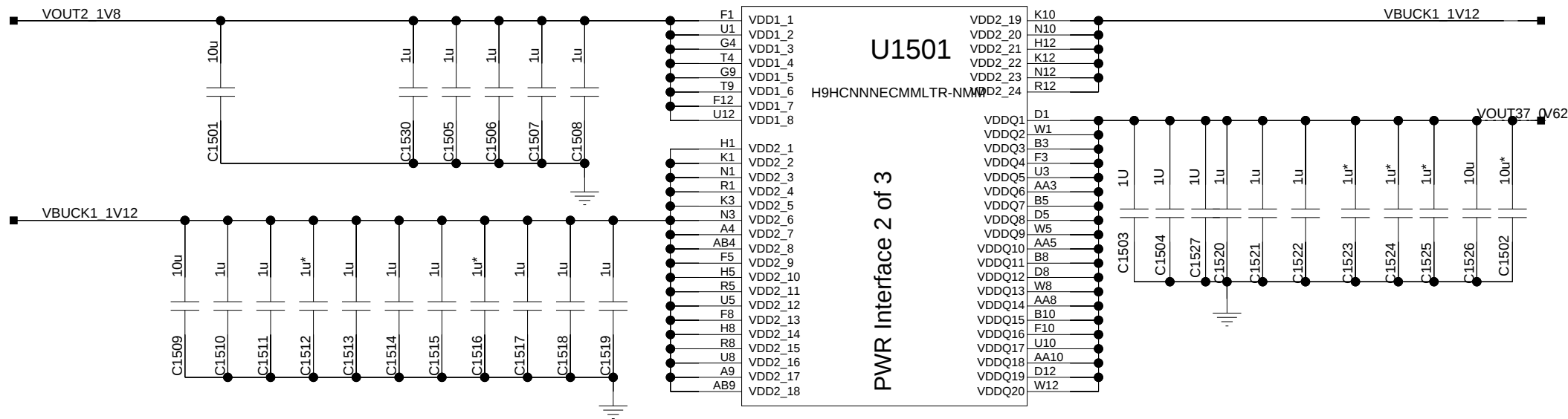
13. Hi6555_Codec/Hi6422



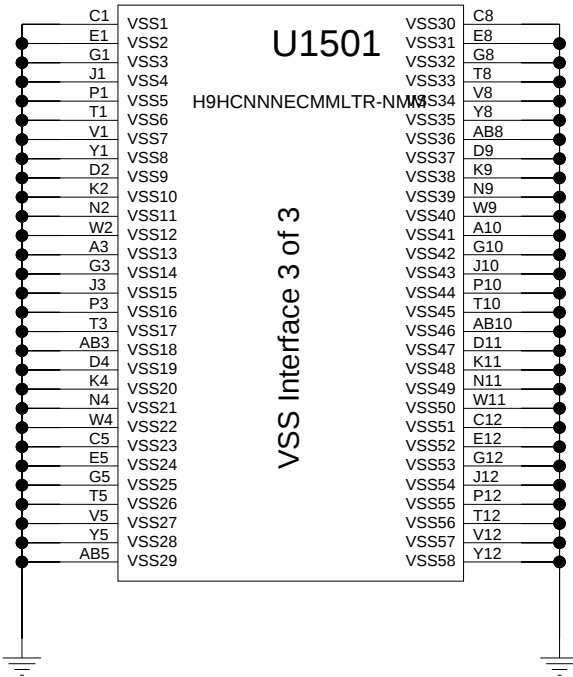
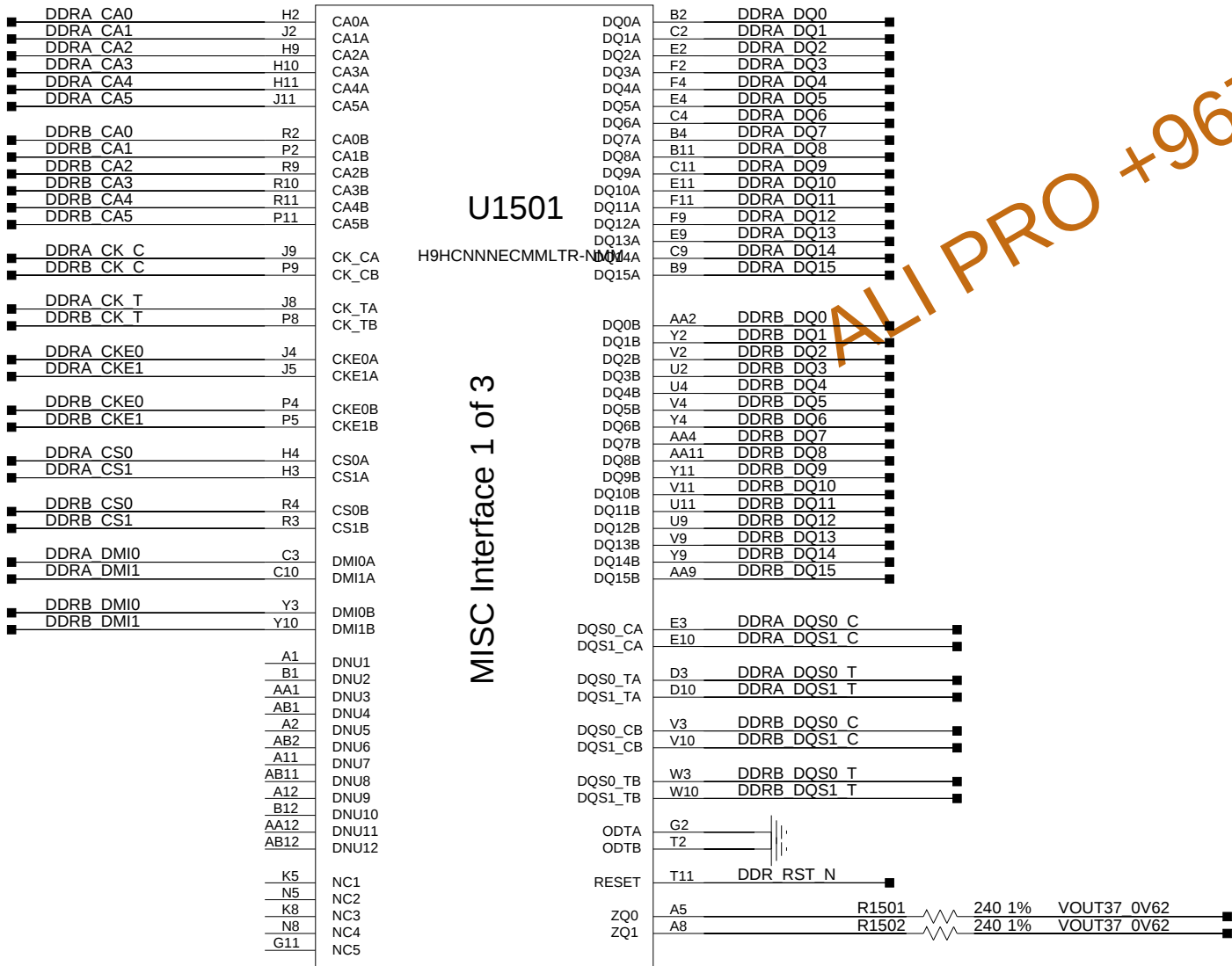
I2C_SPMI_SEL	
0	1
SPMI	I2C

The type and specification of the components refer to the BOM

15. LPDDR4x



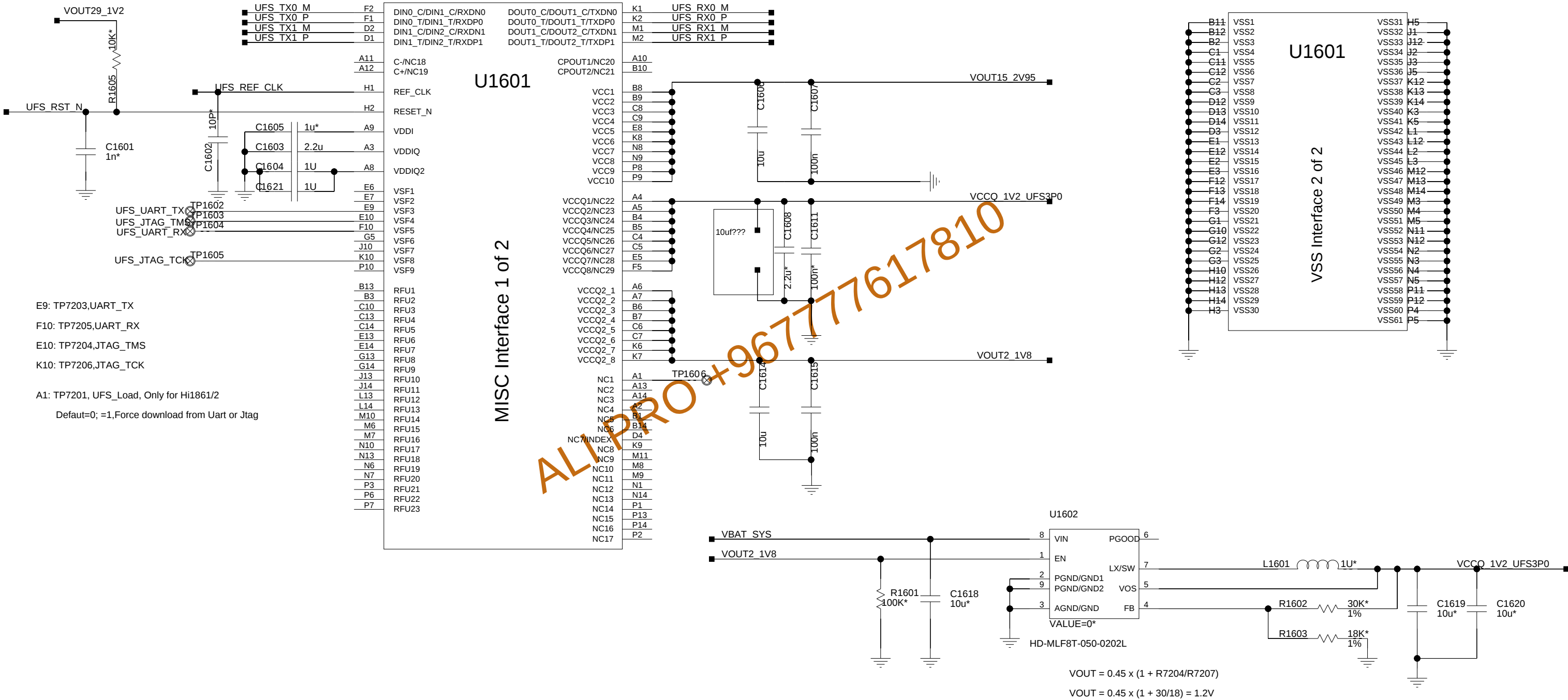
6G 40020606
8G 40020607



The type and specification of the components refer to the BOM

16. UFS

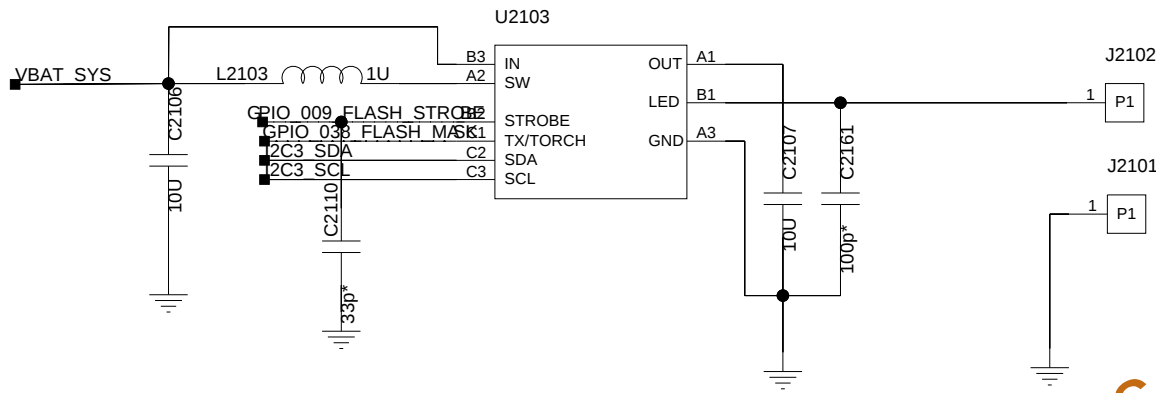
Voltage Domain	UFS2.1	UFS3.0
VCC(V)	2.95	2.5
VCCQ(V)	NA	1.2
VCCQ2(V)	1.8	NA



The type and specification of the components refer to the BOM

18. Battery

21. Flash

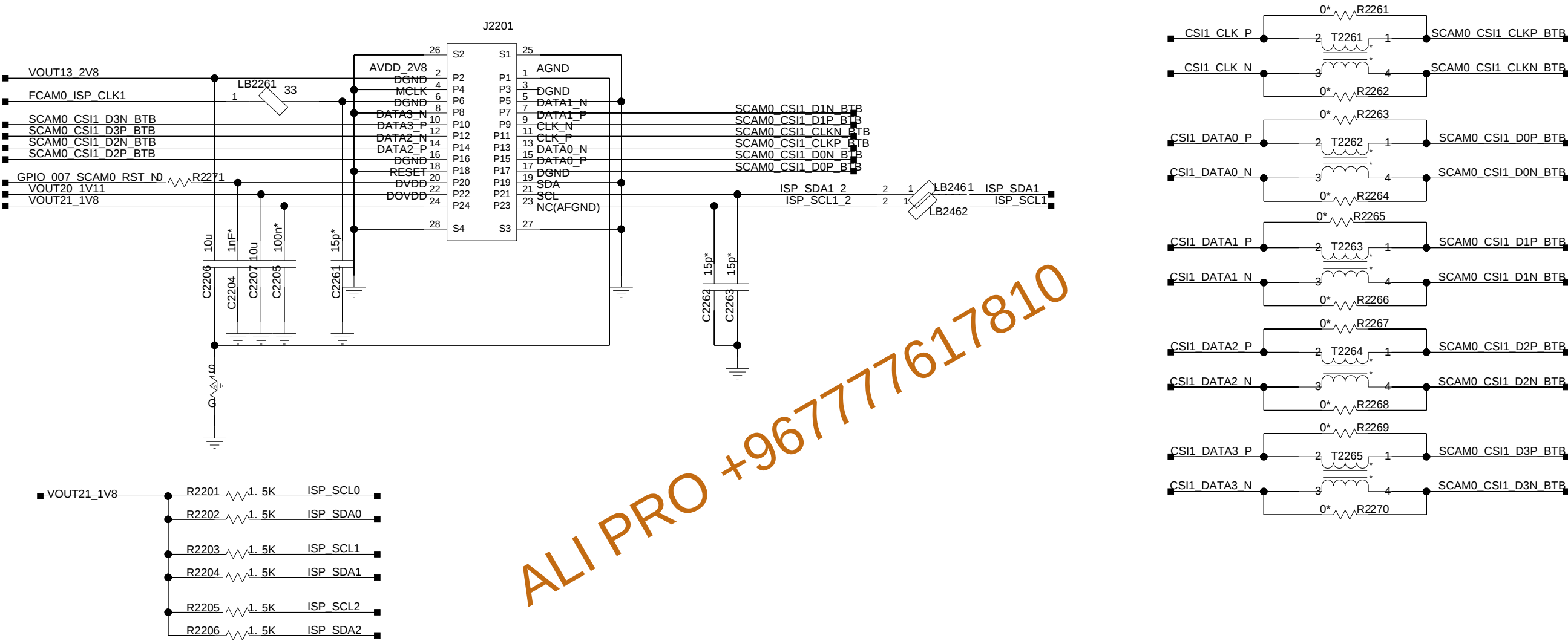


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The type and specification of the components refer to the BOM

22. Front CAM

THTWM Slave CAM



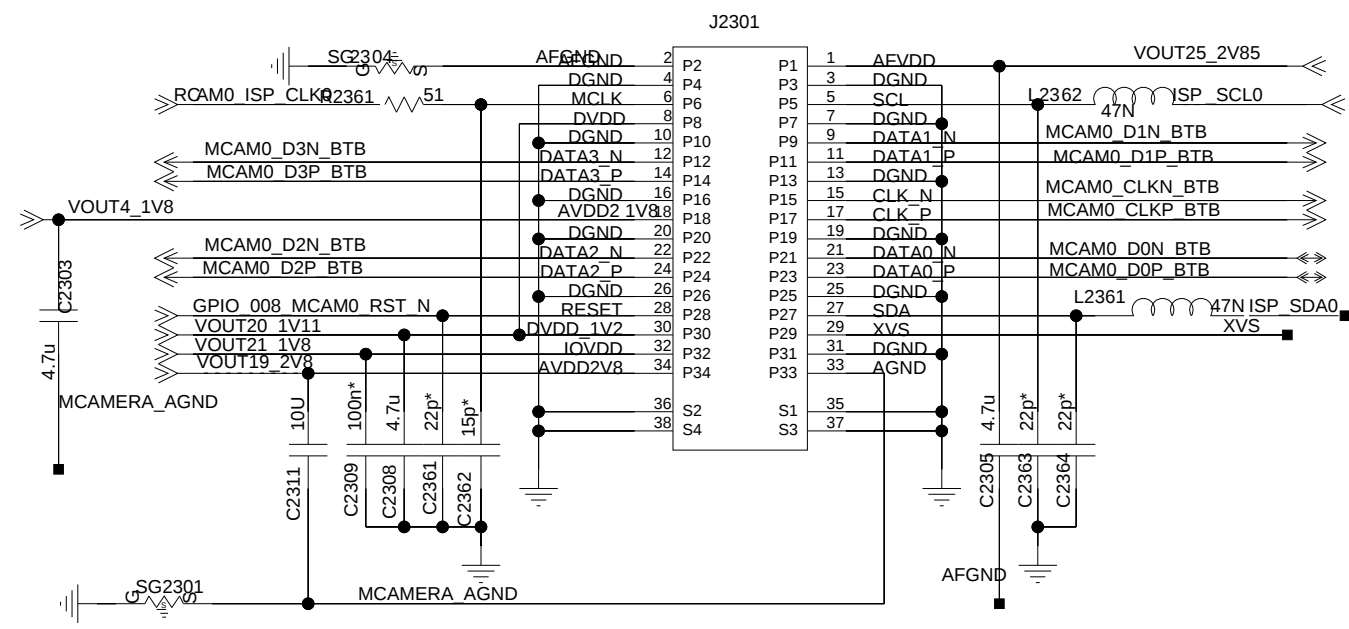
The type and specification of the components refer to the BOM

BootMode0	BootMode1	Function(BootROM Start)
1	1	SPI Start
1	0	SSI Start
0	1	I2C Start
0	0	SLIMBUS Start

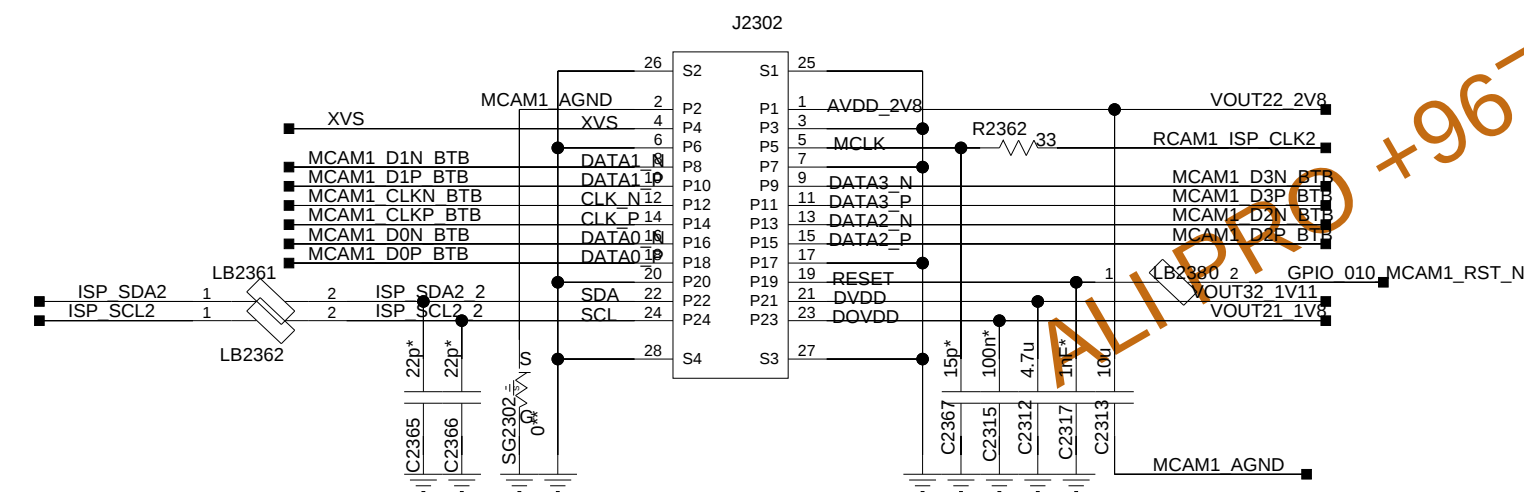
23. Rear CAM1

FOEIM Main

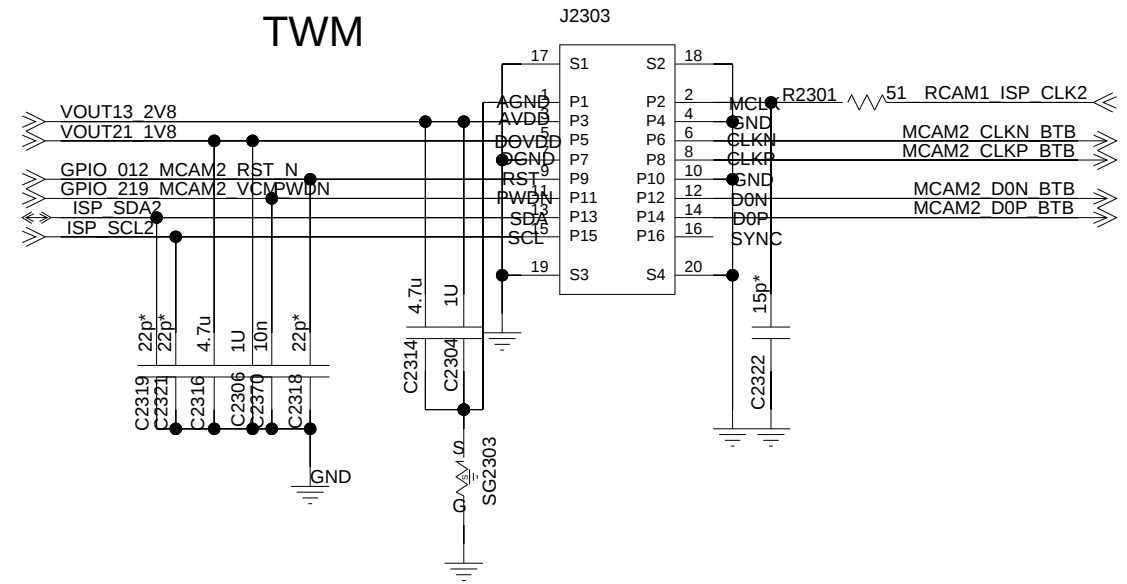
A



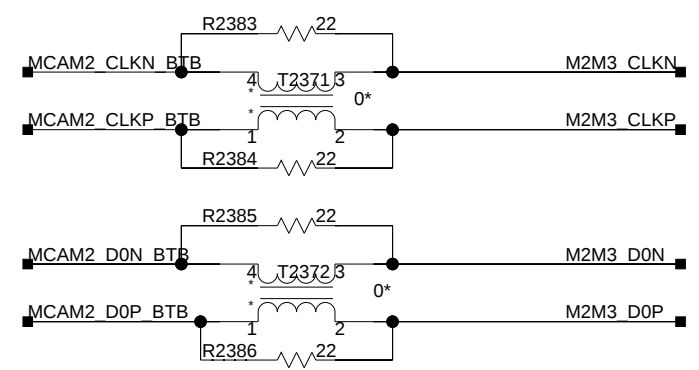
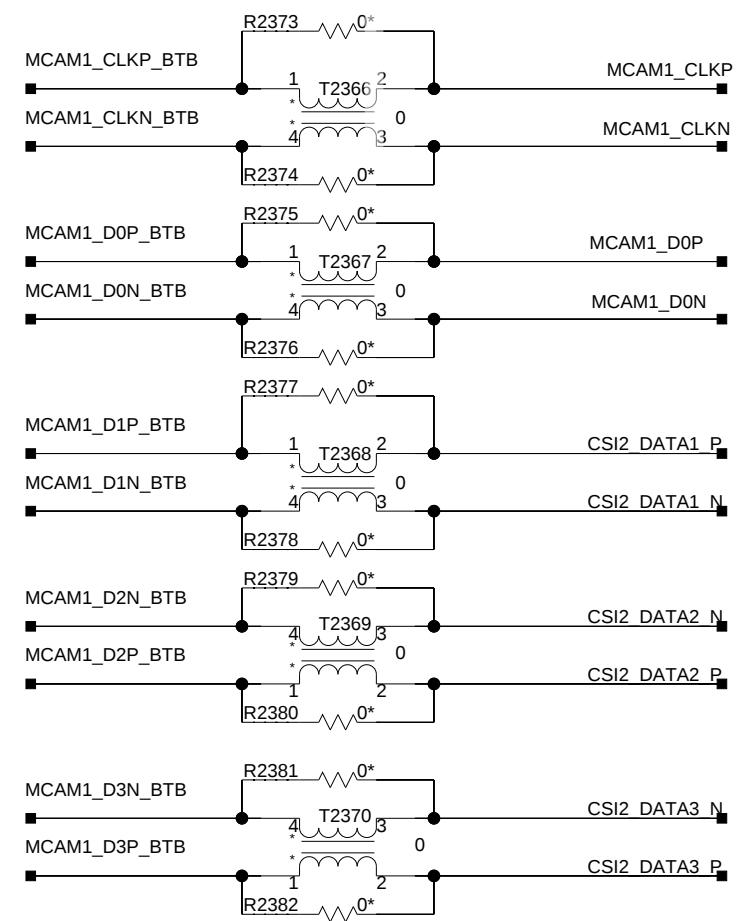
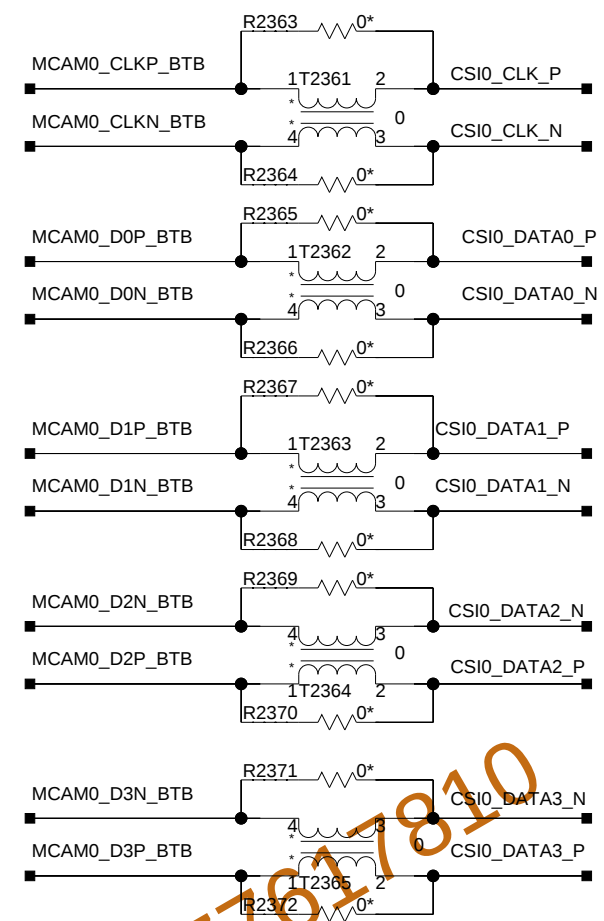
B



C



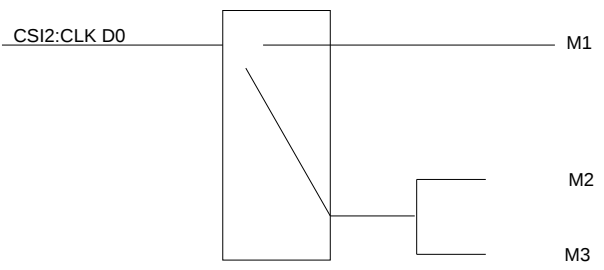
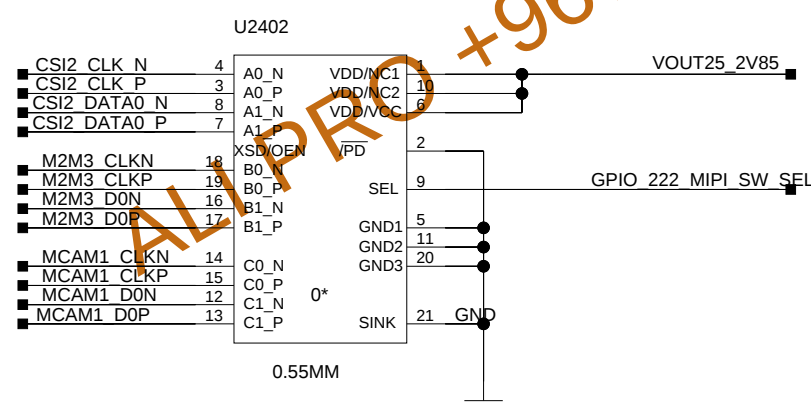
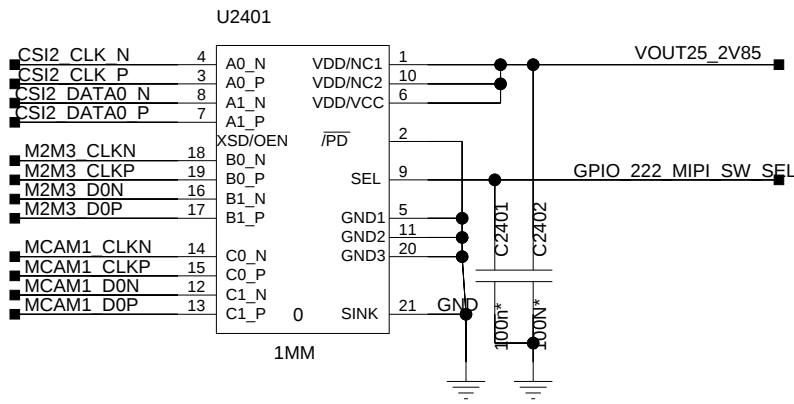
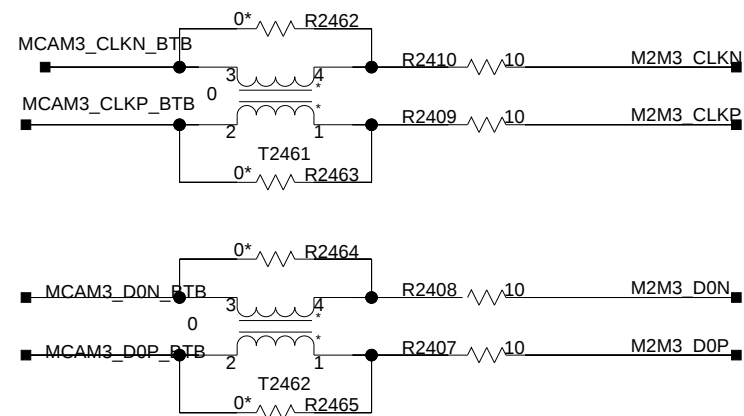
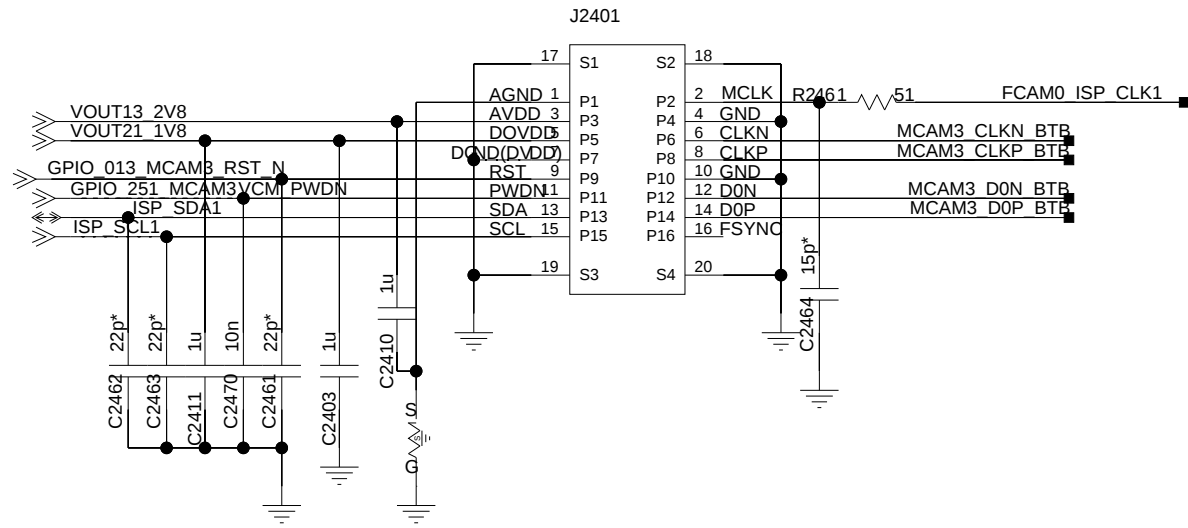
D



The type and specification of the components refer to the BOM

24. Rear CAM2

TWM ¾°ÉÊ



M1 M2 M3

The type and specification of the components refer to the BOM

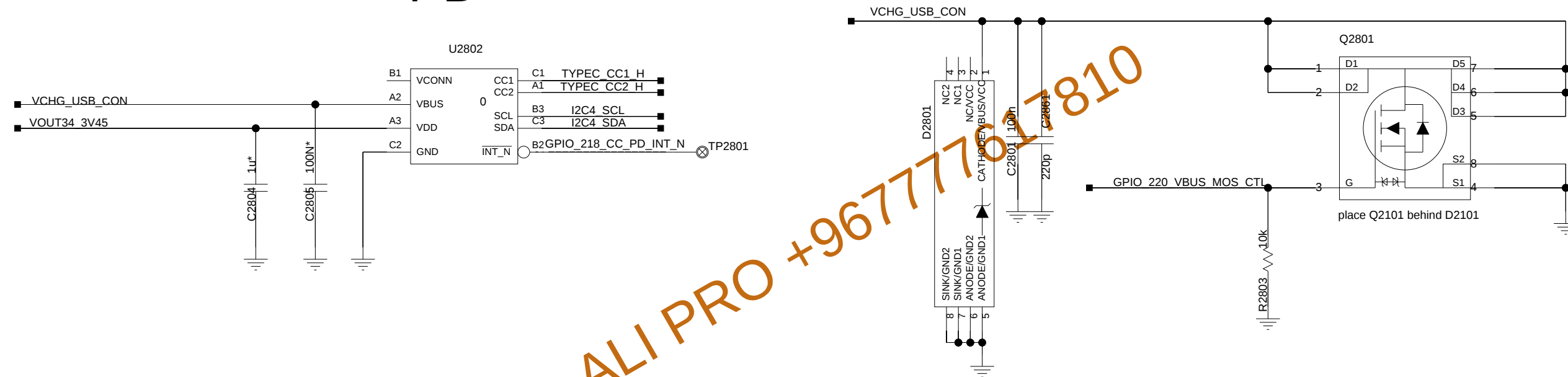
D



25 High Voltage charger

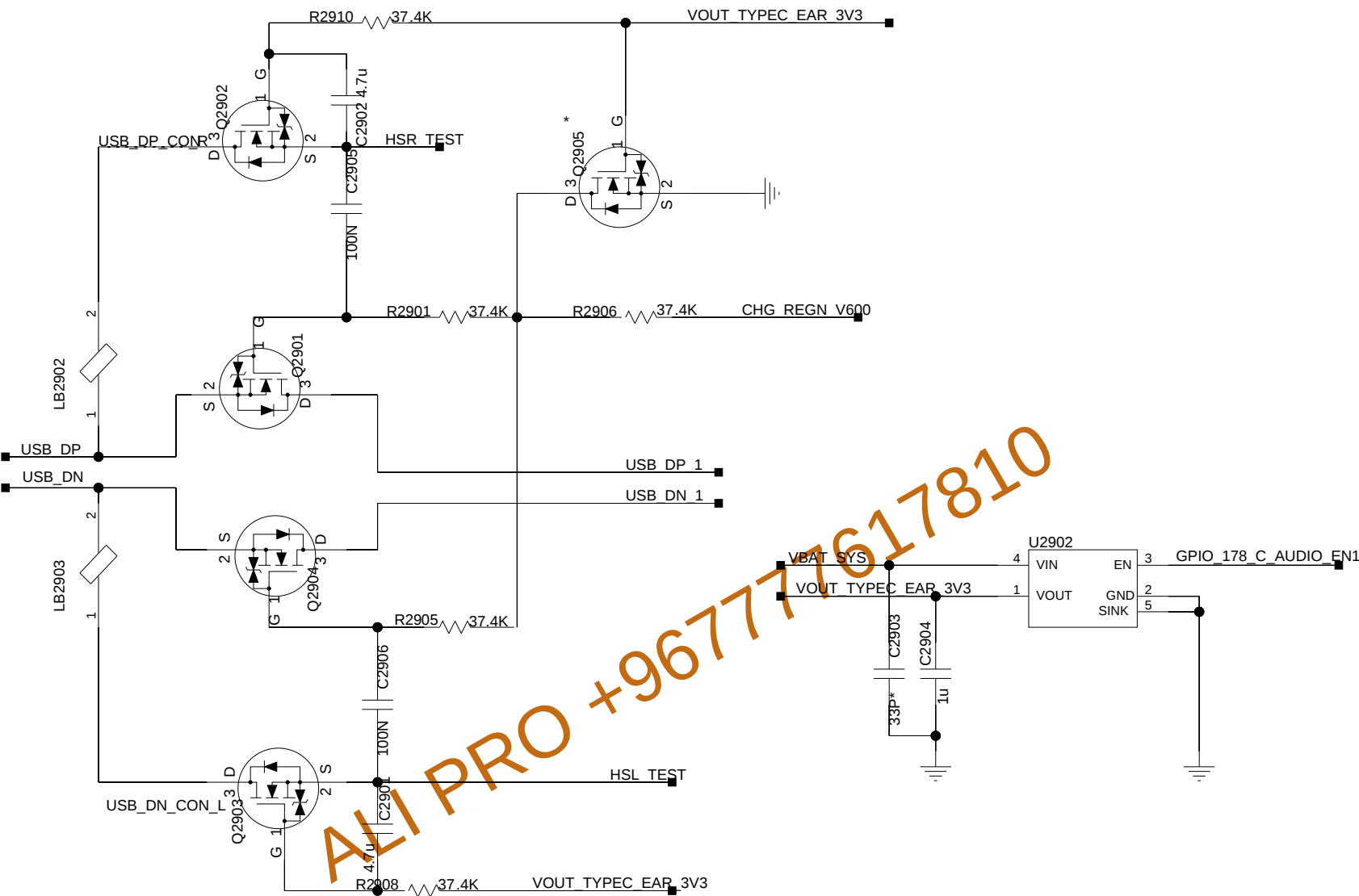
28.USB

PD



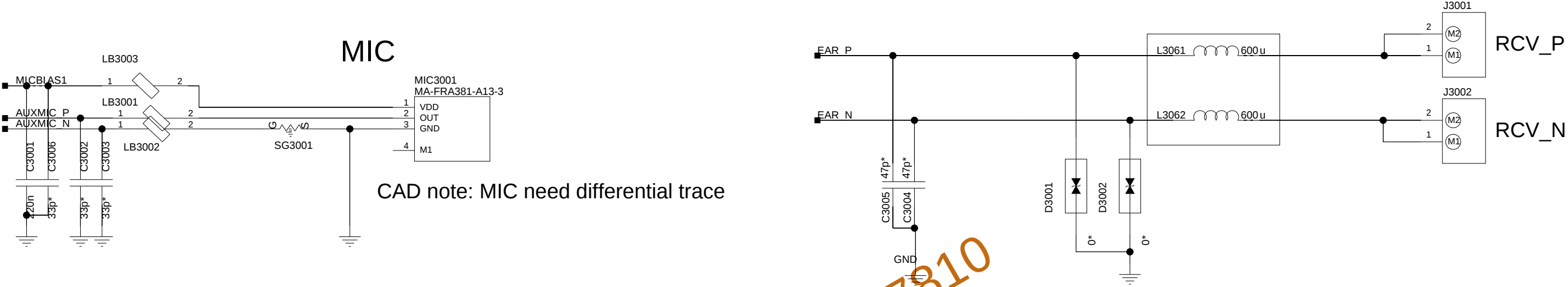
The type and specification of the components refer to the BOM

29. Reserved_USB



The type and specification of the components refer to the BOM

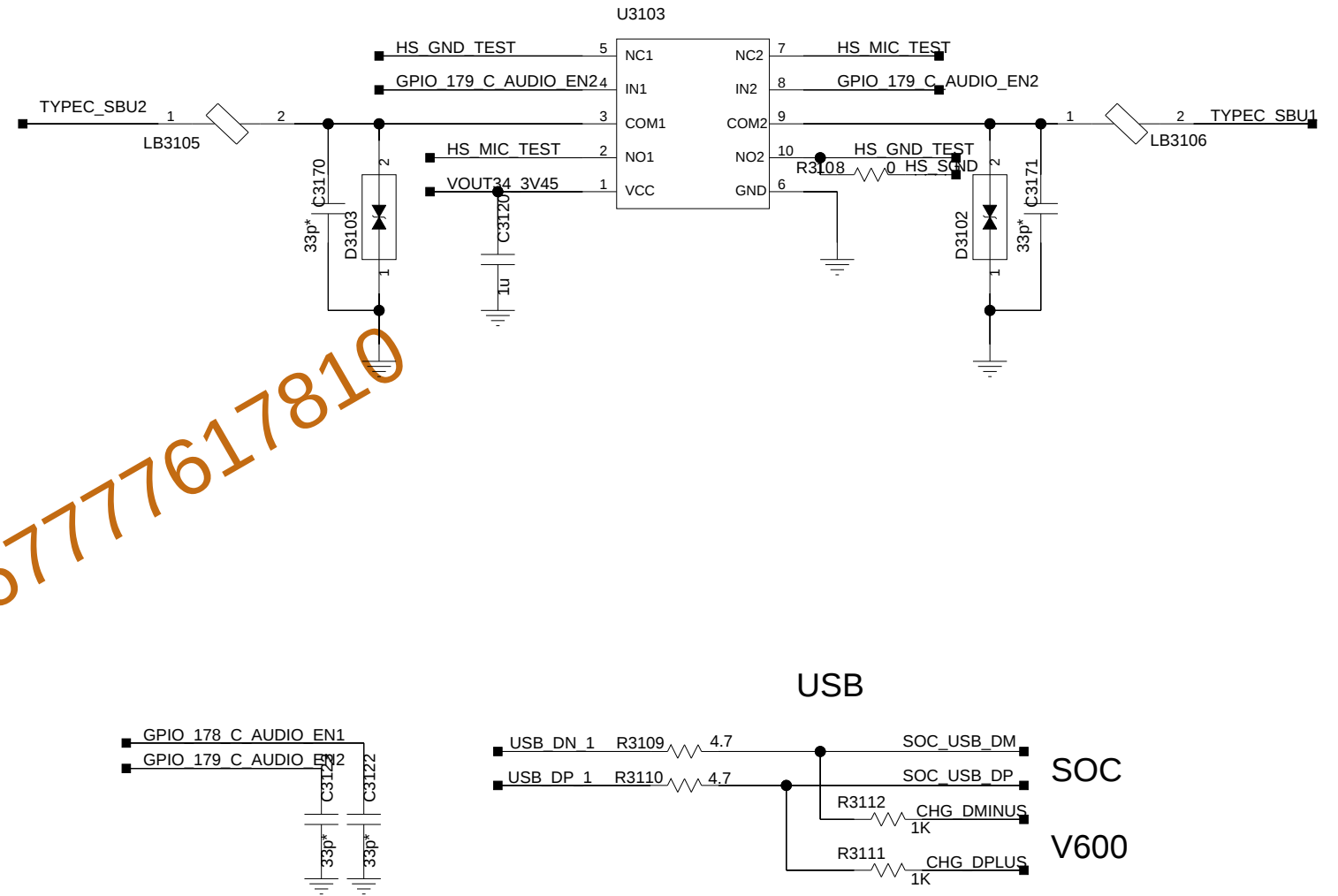
30. MIC/RCV/VIB/HAC



CAD note: MIC need differential trace

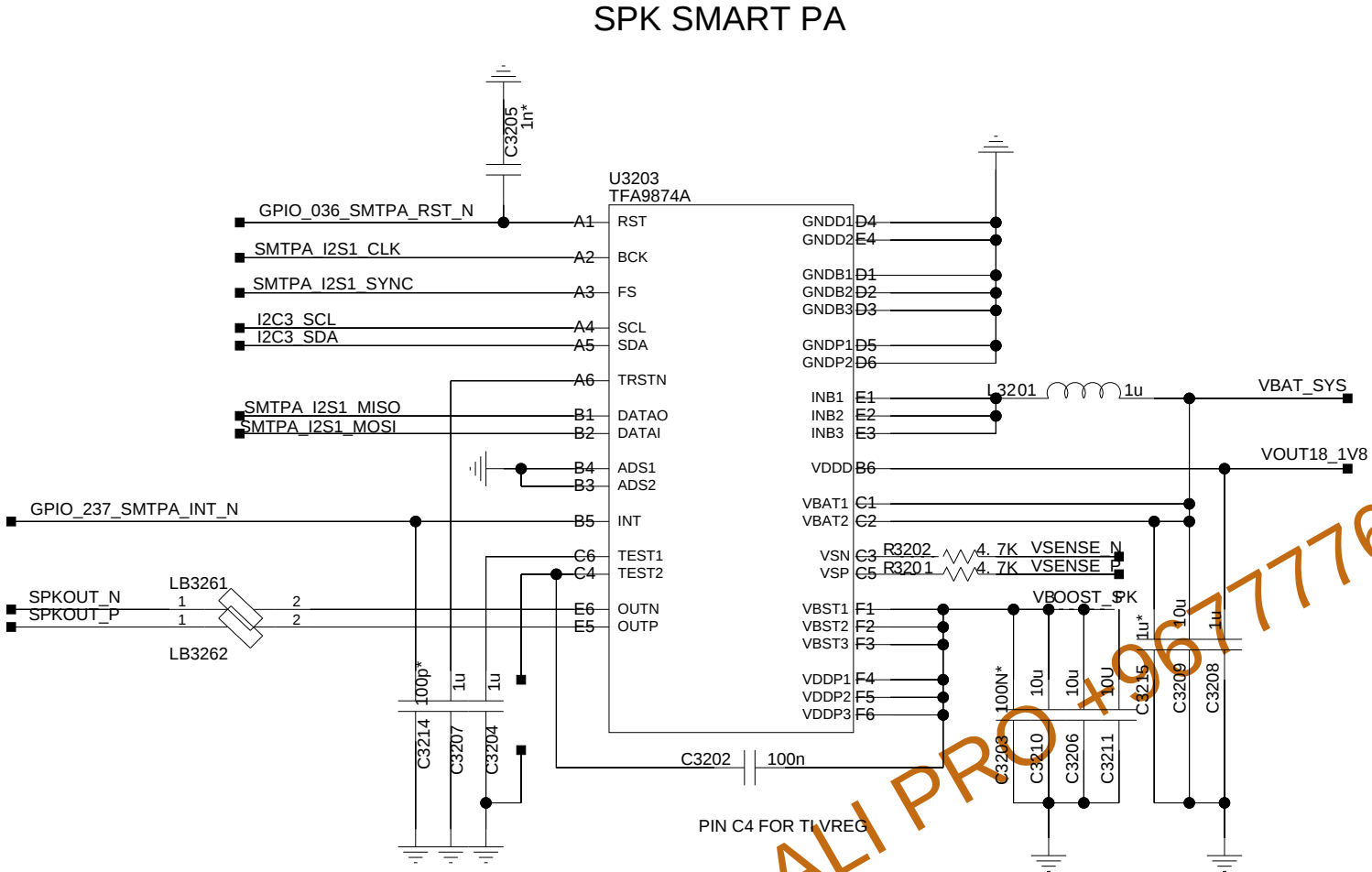
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The type and specification of the components refer to the BOM

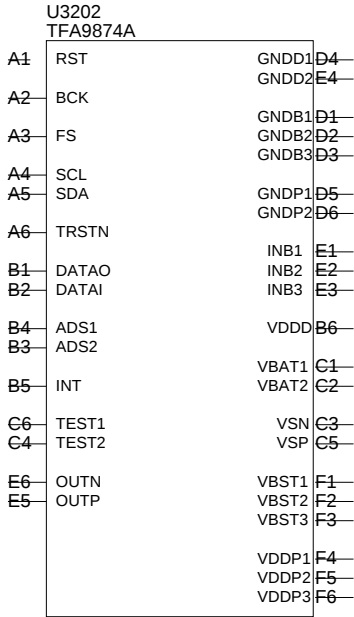
[illegible]

The type and specification of the components refer to the BOM

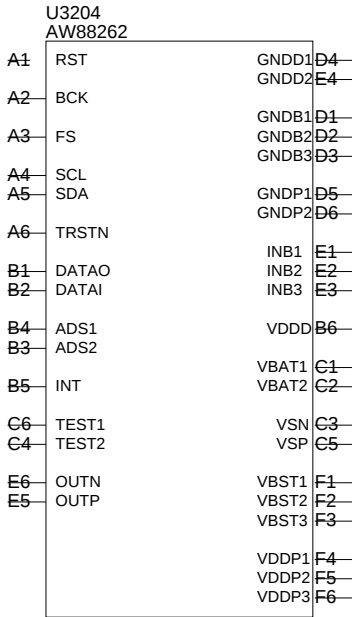
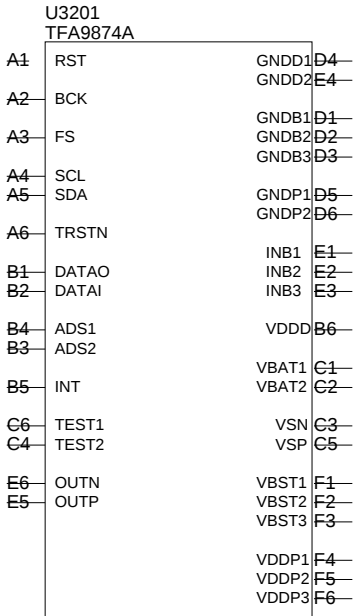
32 SmartPA



SMART PA For Cirrus Share PAD with U2500



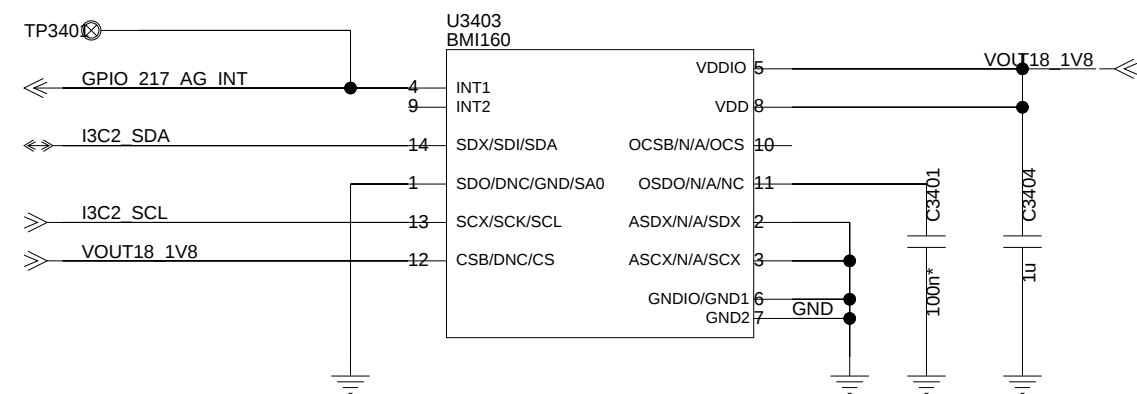
SMART PA For Cirrus Share PAD with U2501



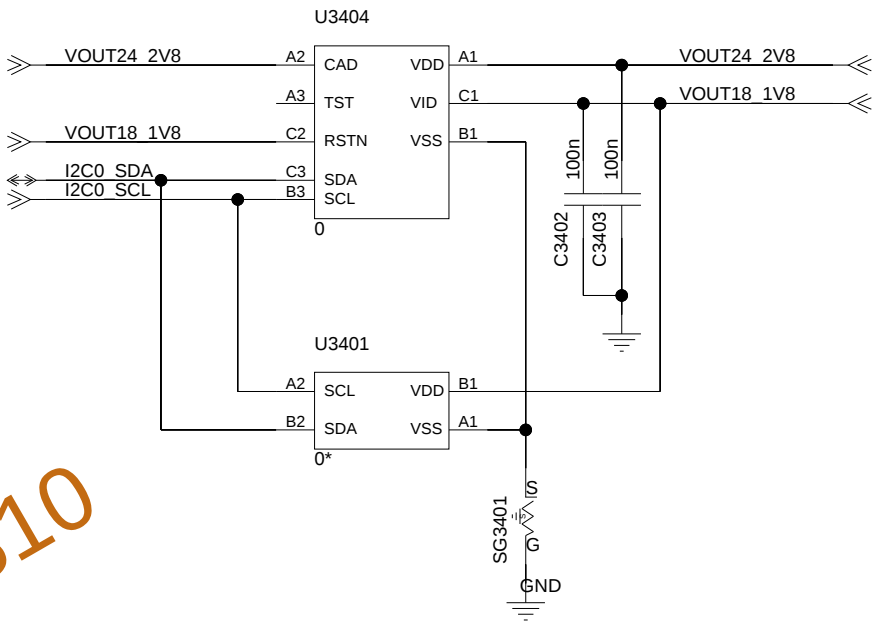
The type and specification of the components refer to the BOM

34 Sensor

Accelerometer and Gyroscope 6-AXIS SENSOR



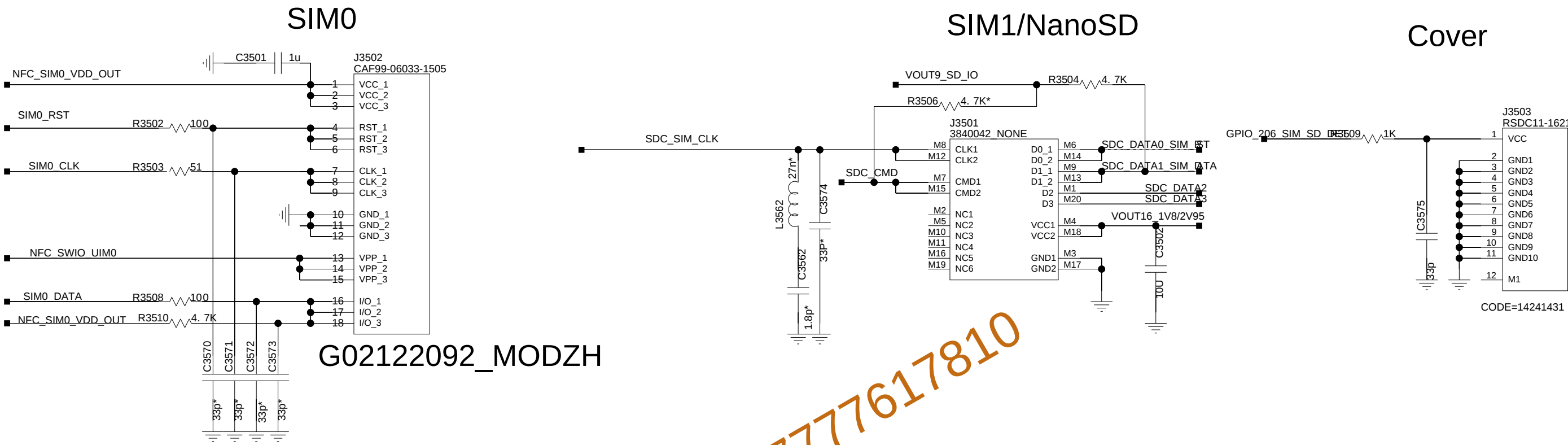
Compass 0259 or 0269 Compass



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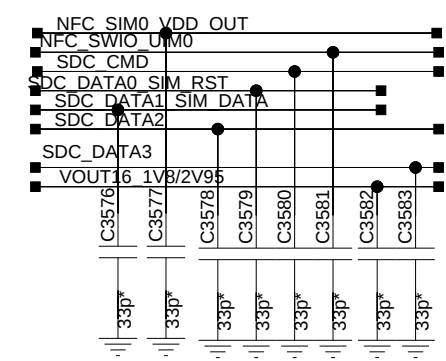
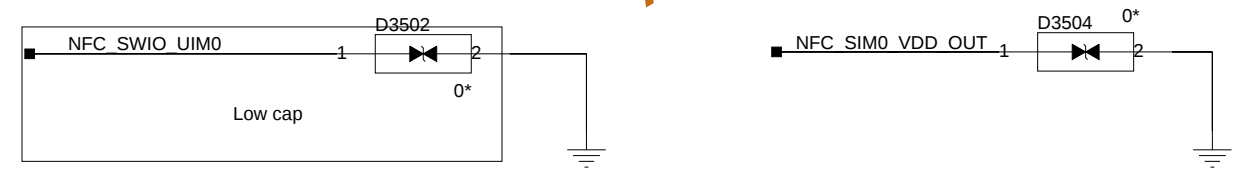
The type and specification of the components refer to the BOM

35. SIM/SD



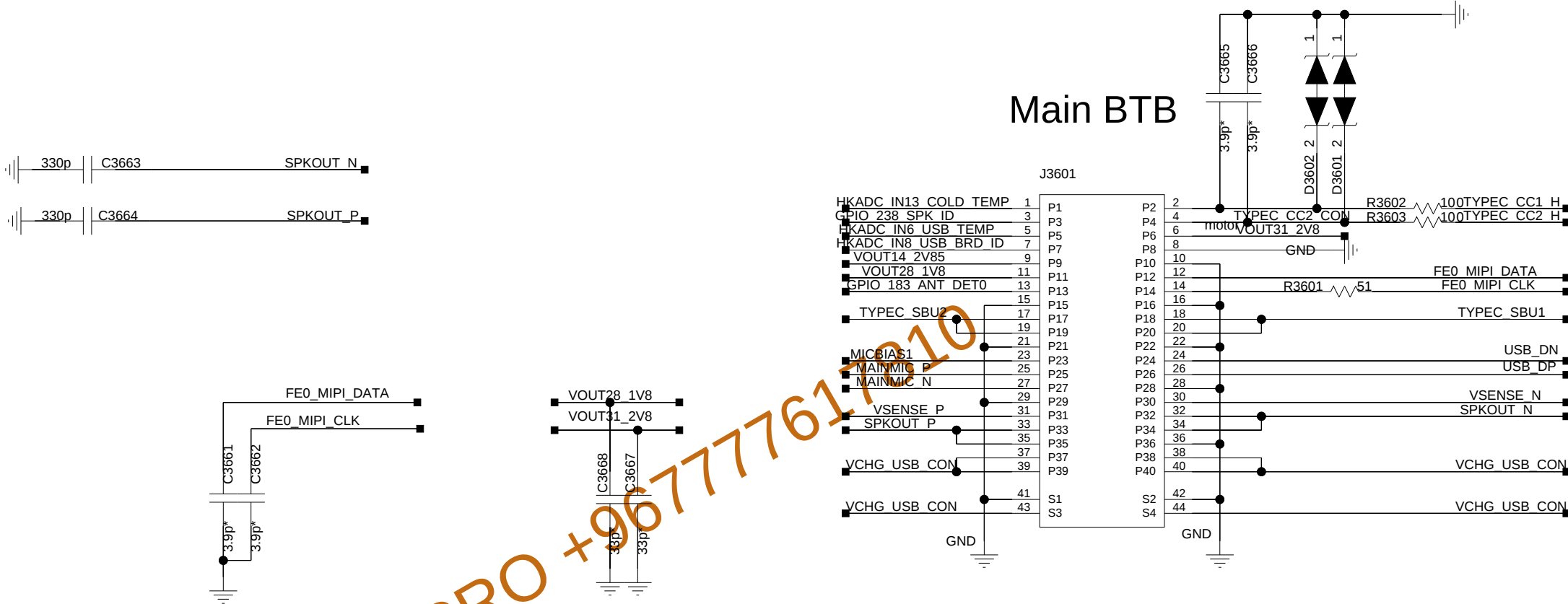
G02122092_MODZH

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The type and specification of the components refer to the BOM

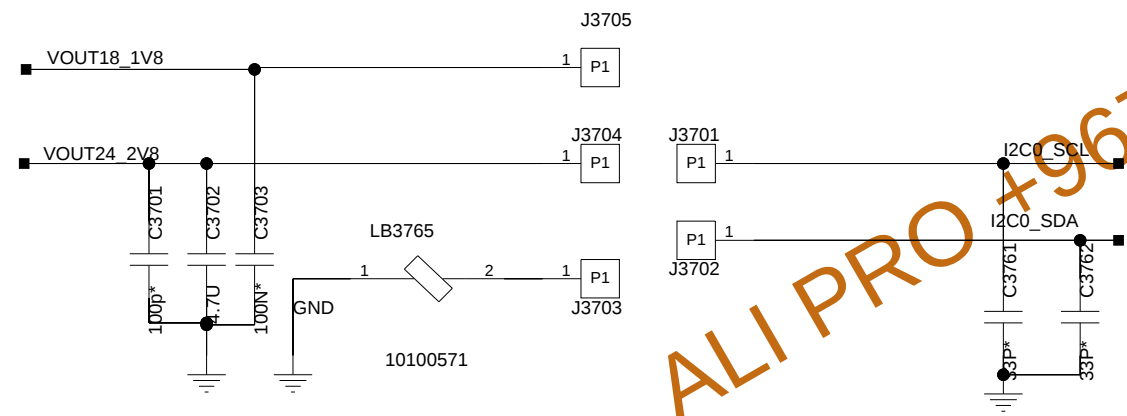
36 Main FPC Interface



The type and specification of the components refer to the BOM

37.Other FPC Interface

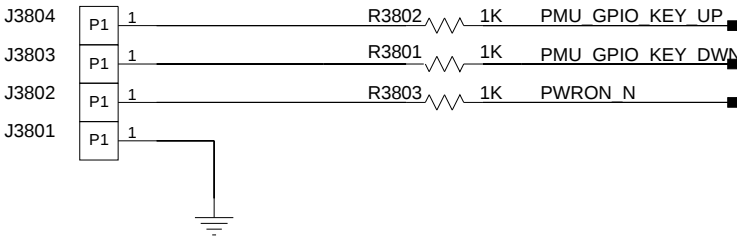
PROXIMITY&RGB AMBIENT



The type and specification of the components refer to the BOM

38 LED/KEY

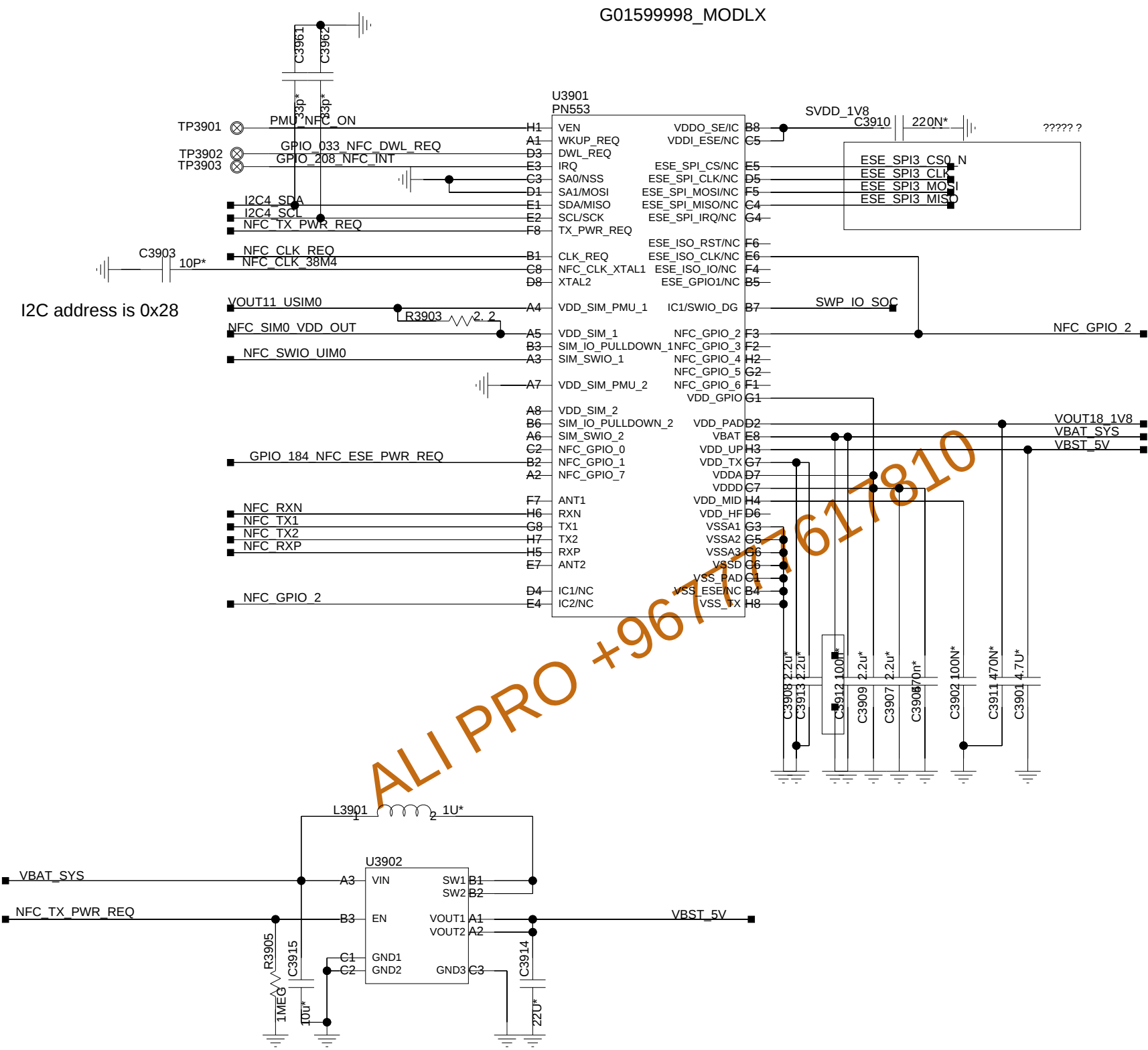
KEY SPRING



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The type and specification of the components refer to the BOM

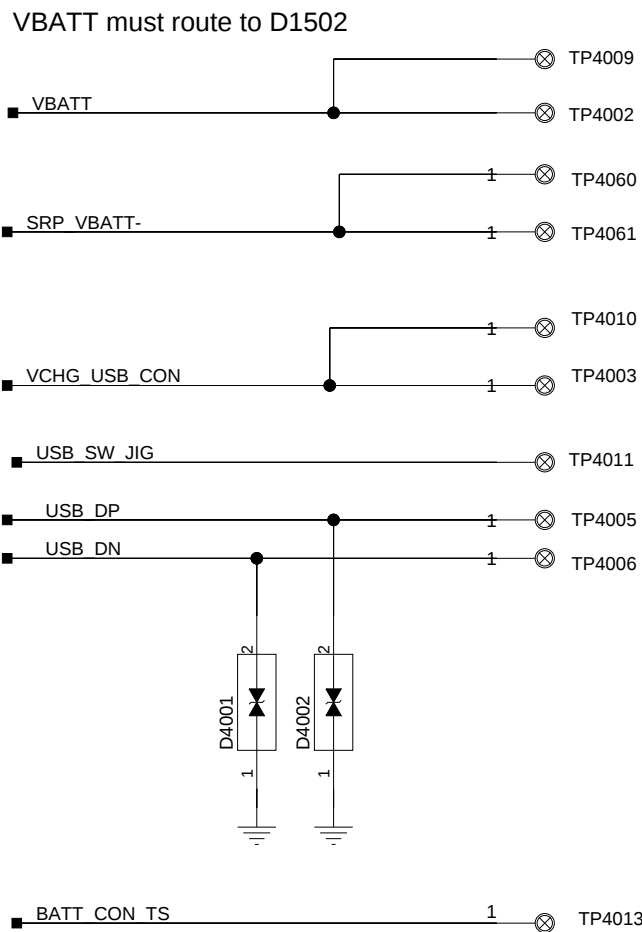
39 NFC_BB



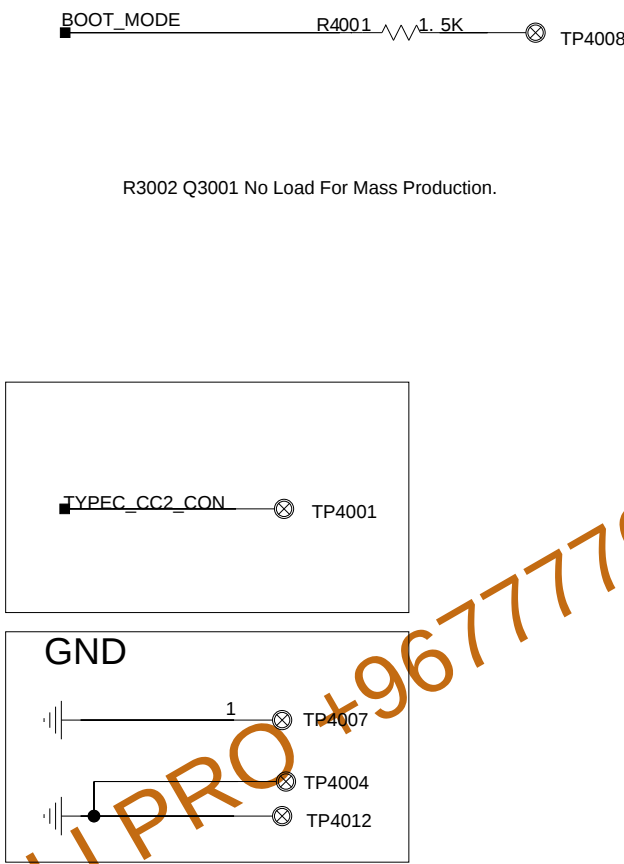
The type and specification of the components refer to the BOM

40 Test point/Shields

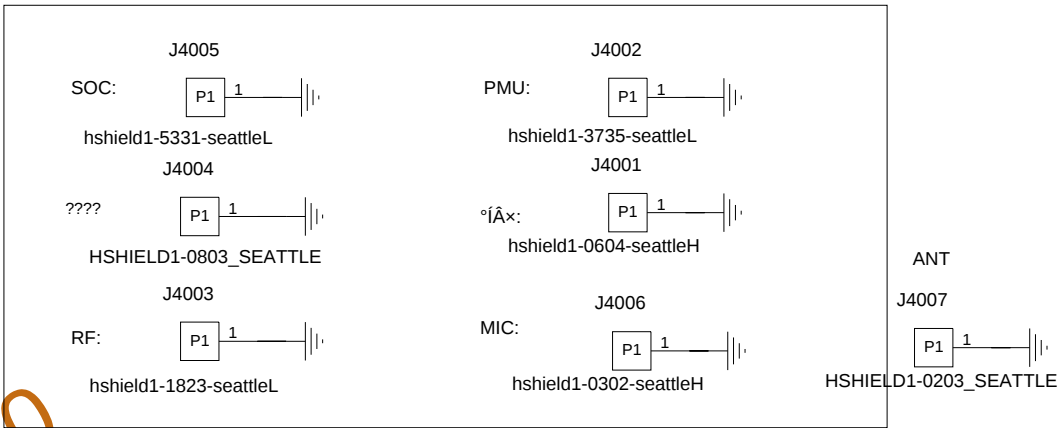
CBT/PT



BOOT MODE



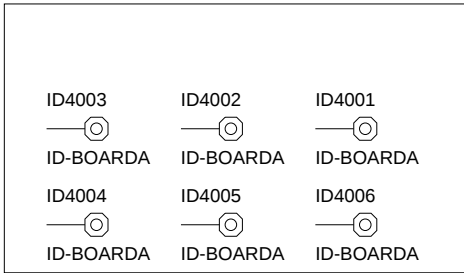
Shielding



HOLE



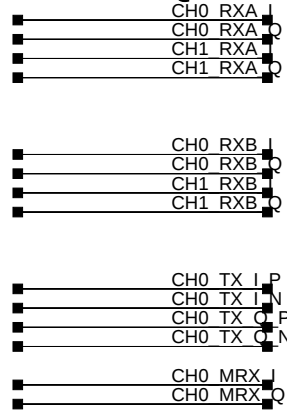
MARK POINT



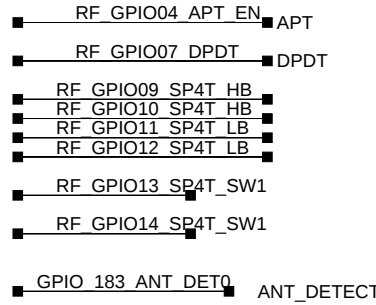
The type and specification of the components refer to the BOM

41.RF Interface

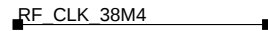
RFIC IQ



GPIO Interface



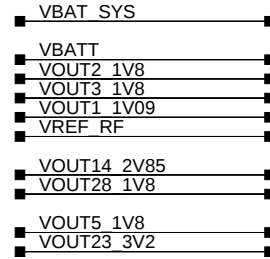
CLK



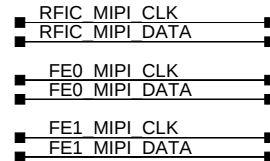
HKADC



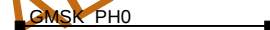
POWER



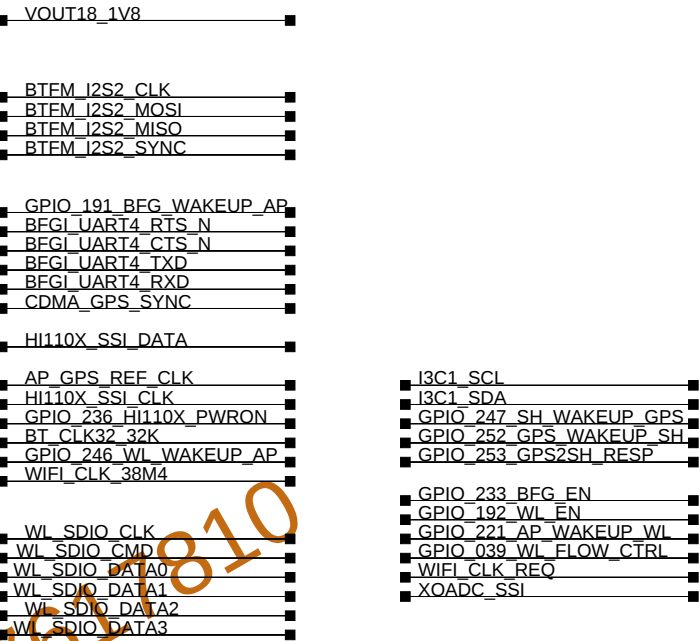
MIPI Interface



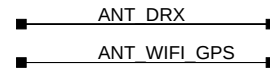
GSM



NC Interface

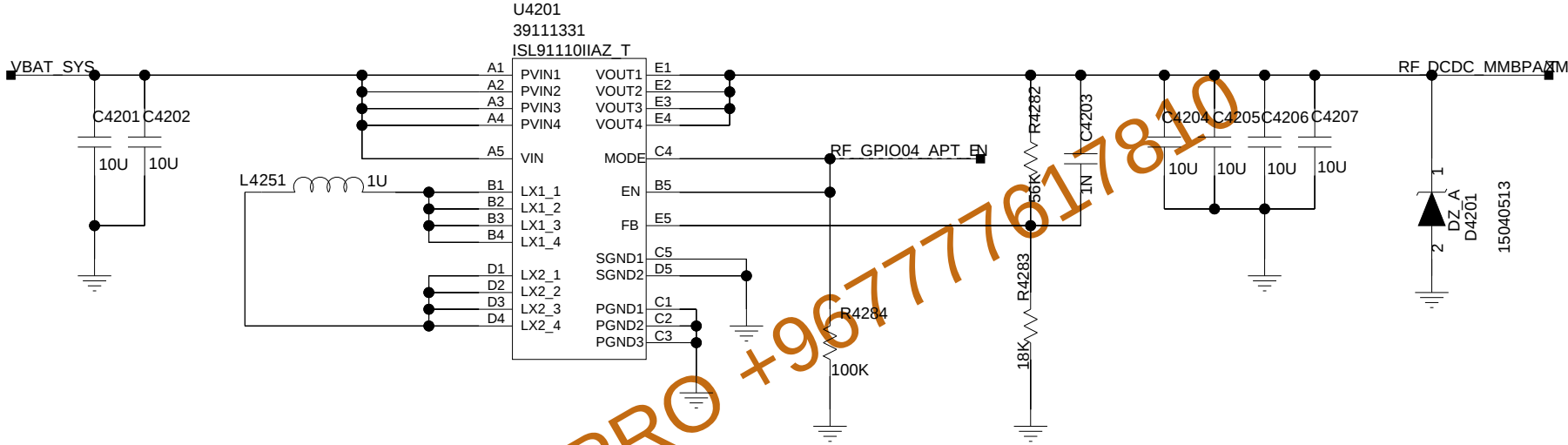


ANT



The type and specification of the components refer to the BOM

42.RF_PMU



Vout = 2.5 * VCON
Vout = 2.5 * 1.4 = 3.5 V

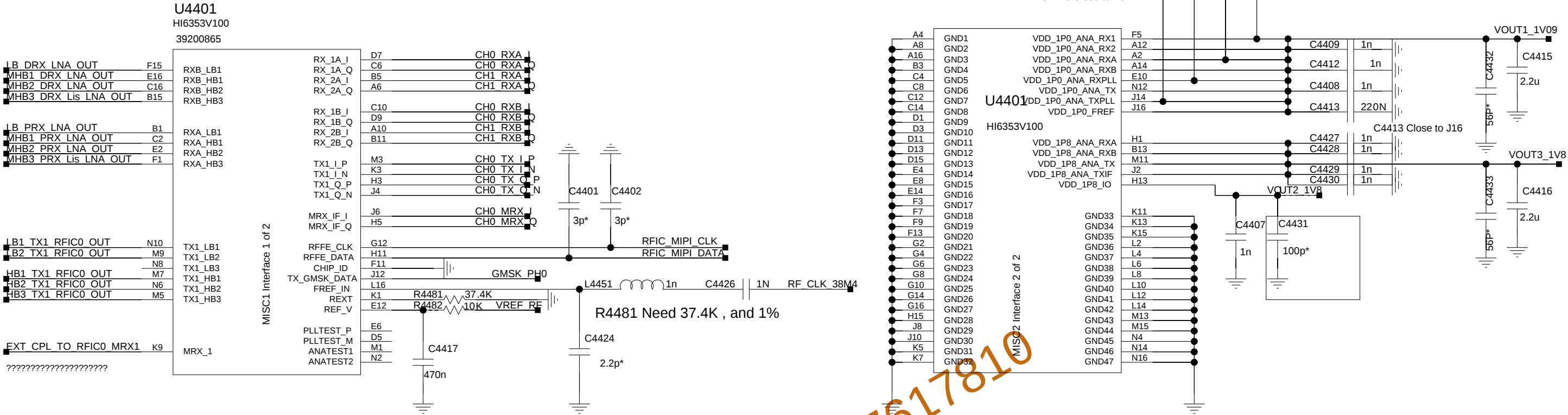
U3201 Truth Table	
EN	State
0	shut down
1	normal

mode	State
0	PWM Only
1	PFM or PWM

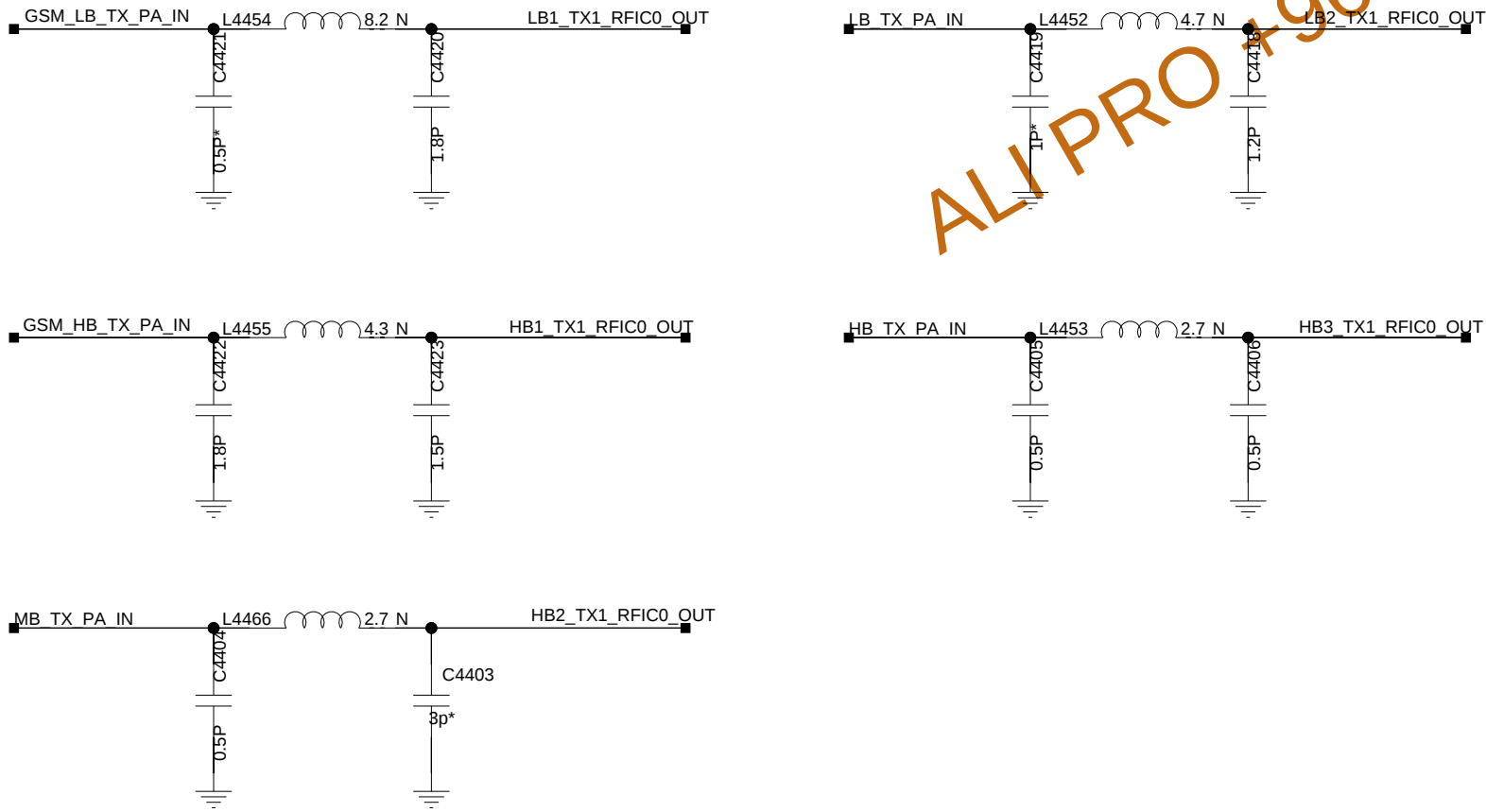
BP	State
0	antomatic analog bypass mode
1	Force Bypass Mode

The type and specification of the components refer to the BOM

44.RFIC0_Hi6353

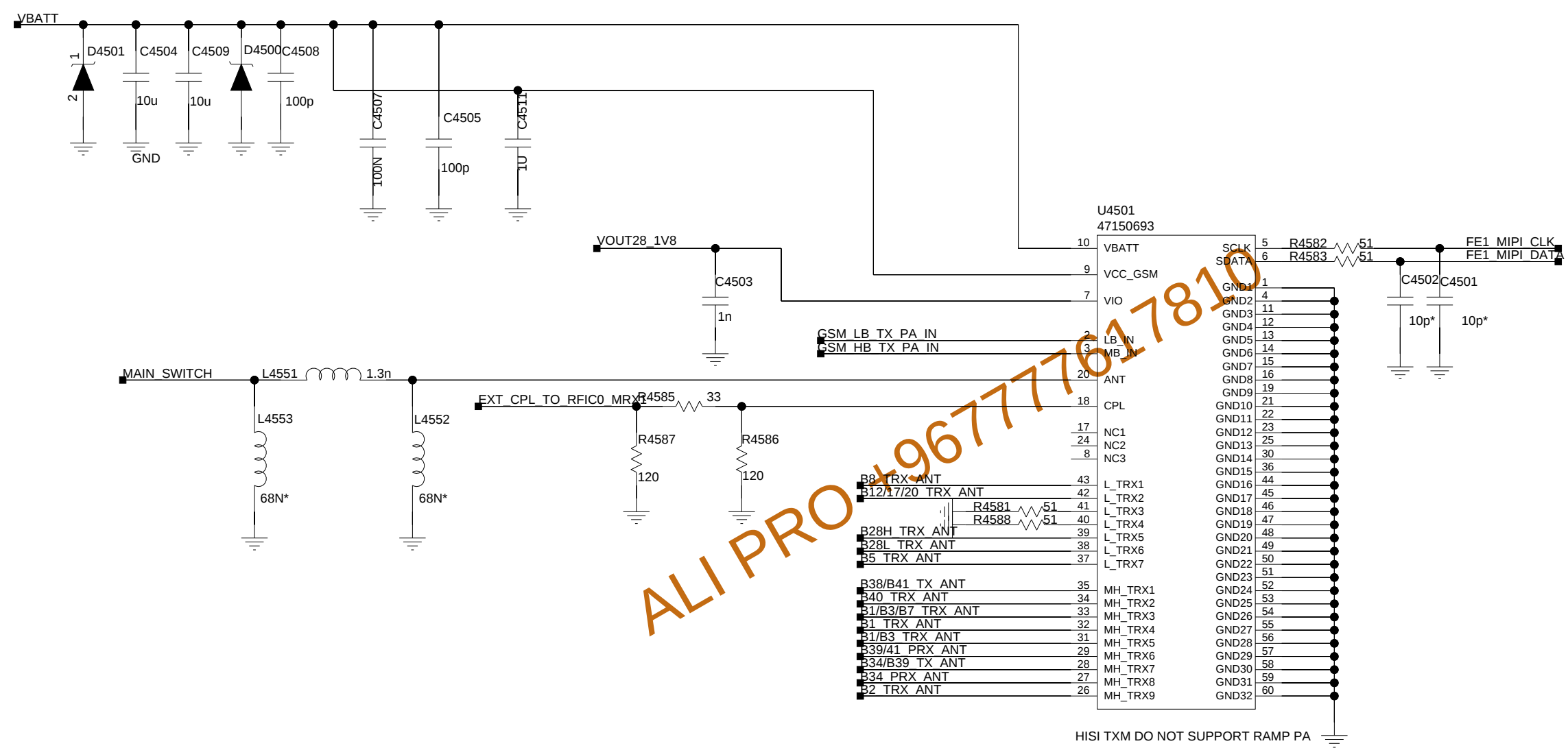


RFIC_TX_OUTPUT_MATCHING

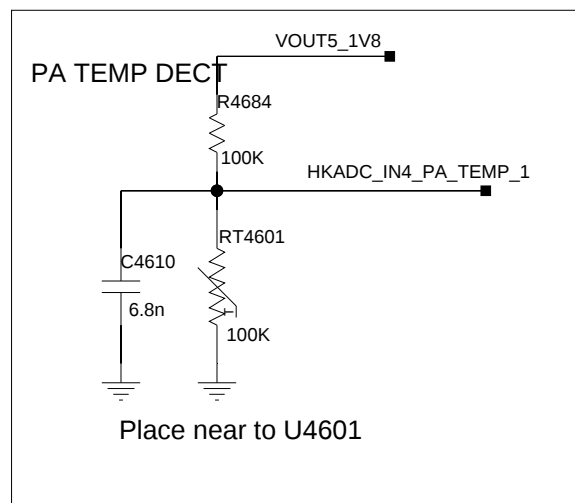
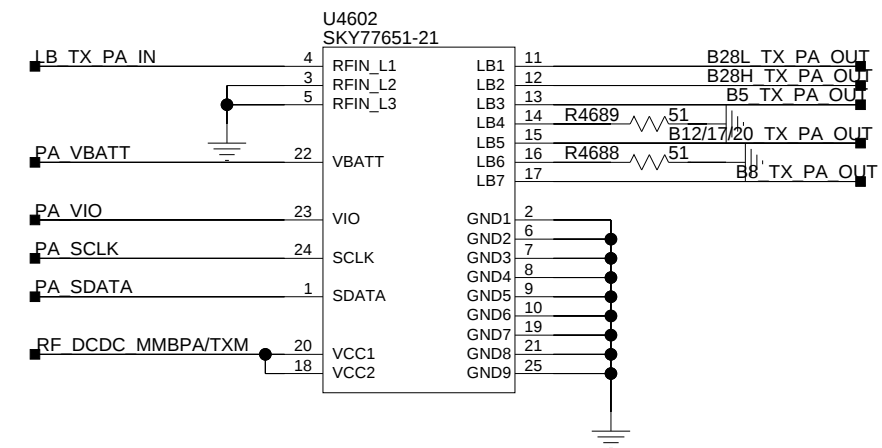
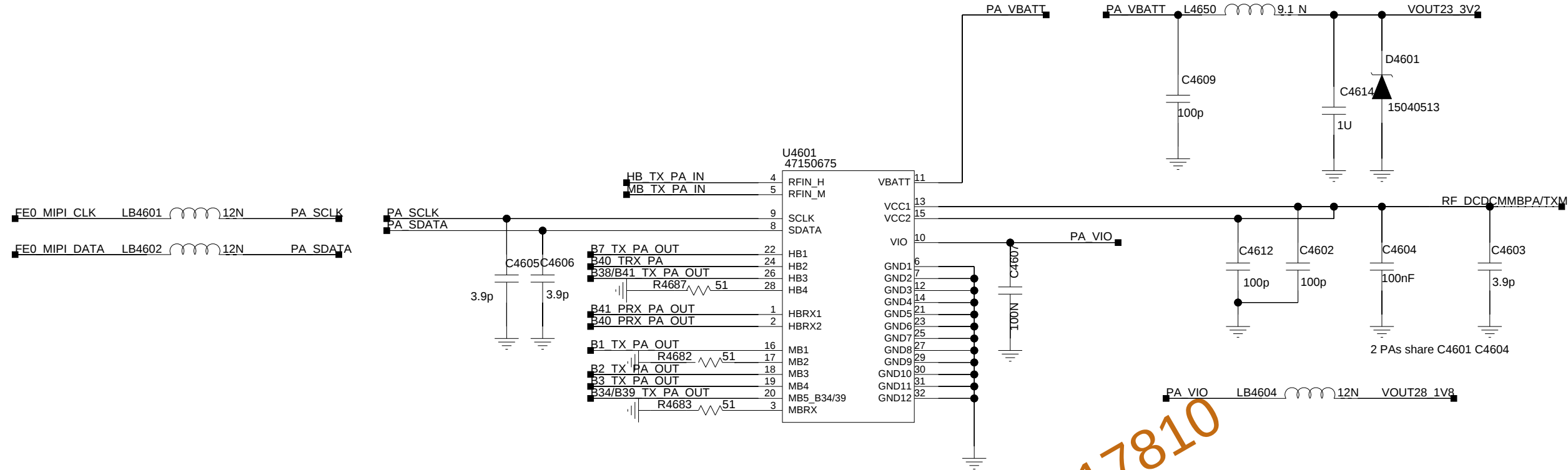


The type and specification of the components refer to the BOM

45.TXM



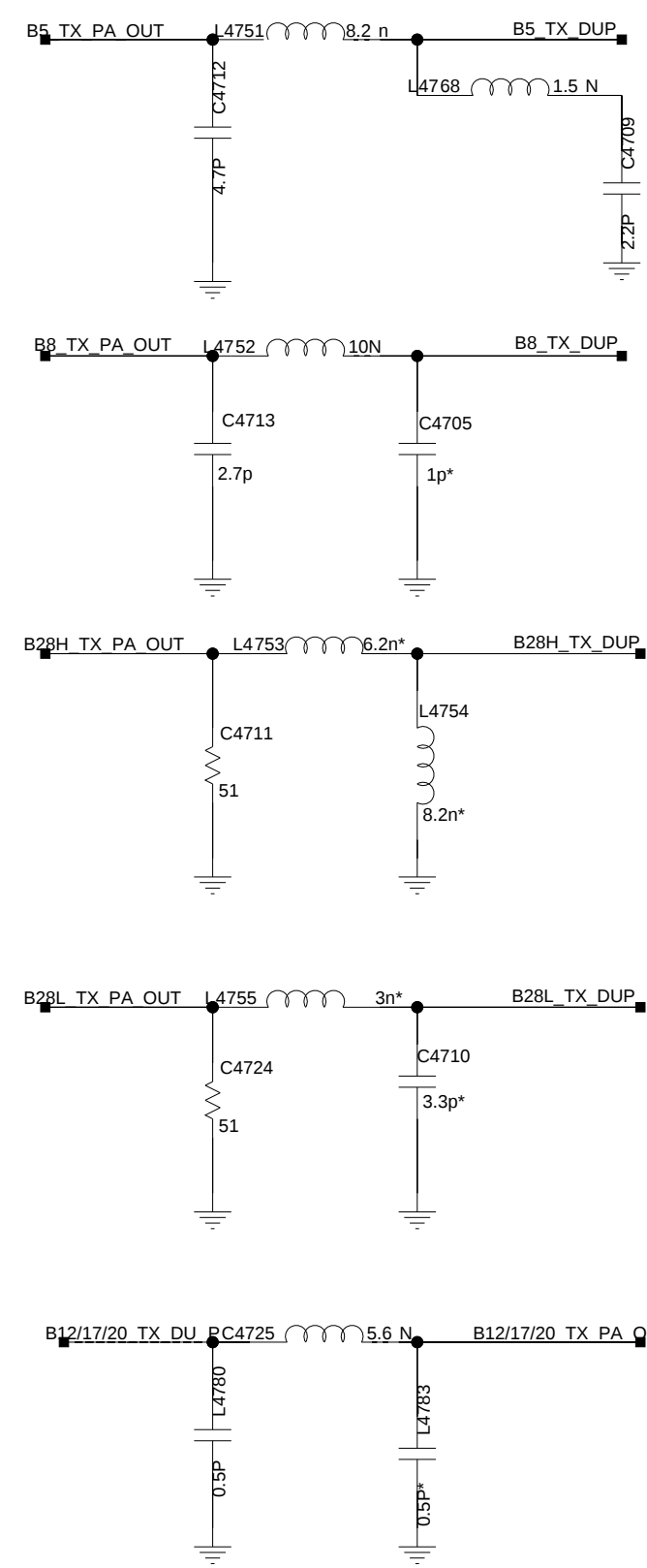
46.MMBPA



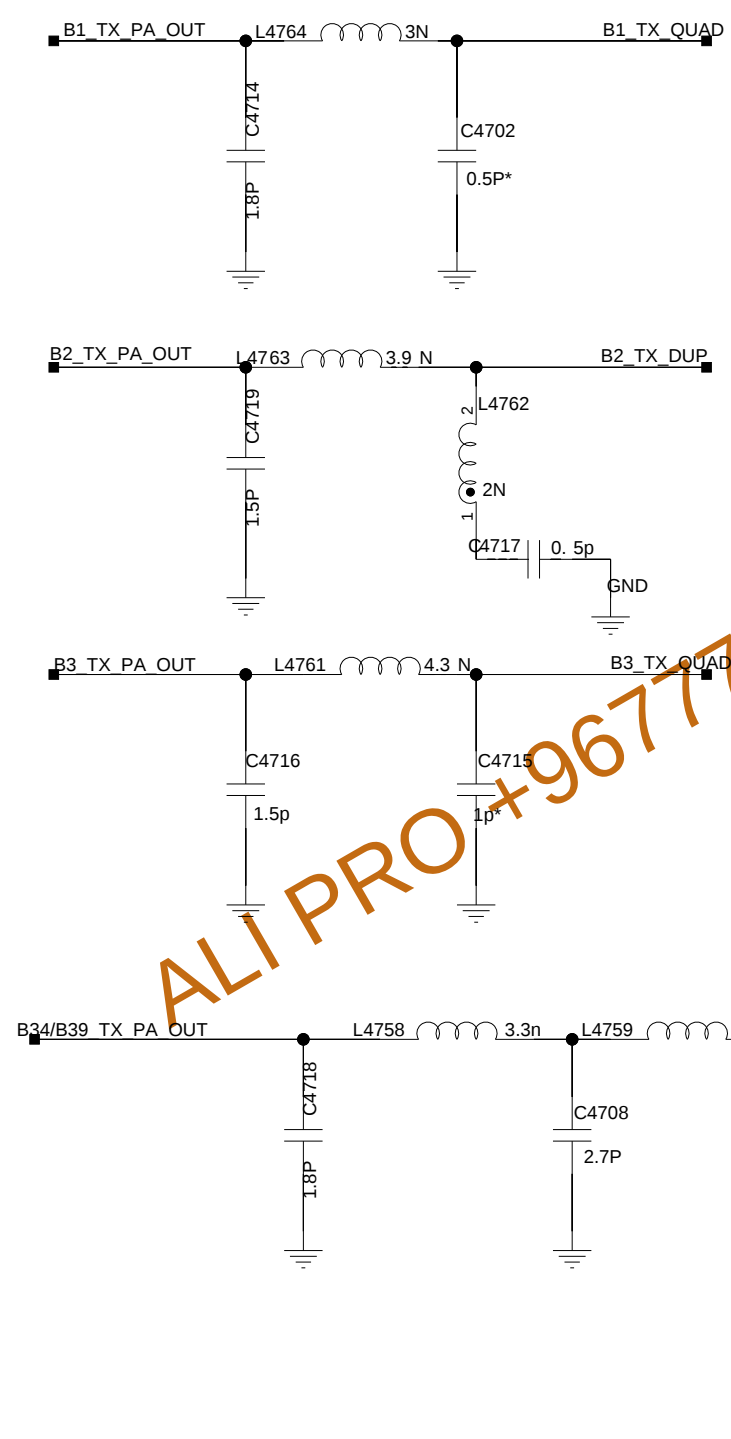
The type and specification of the components refer to the BOM

47.TX_Loadpull

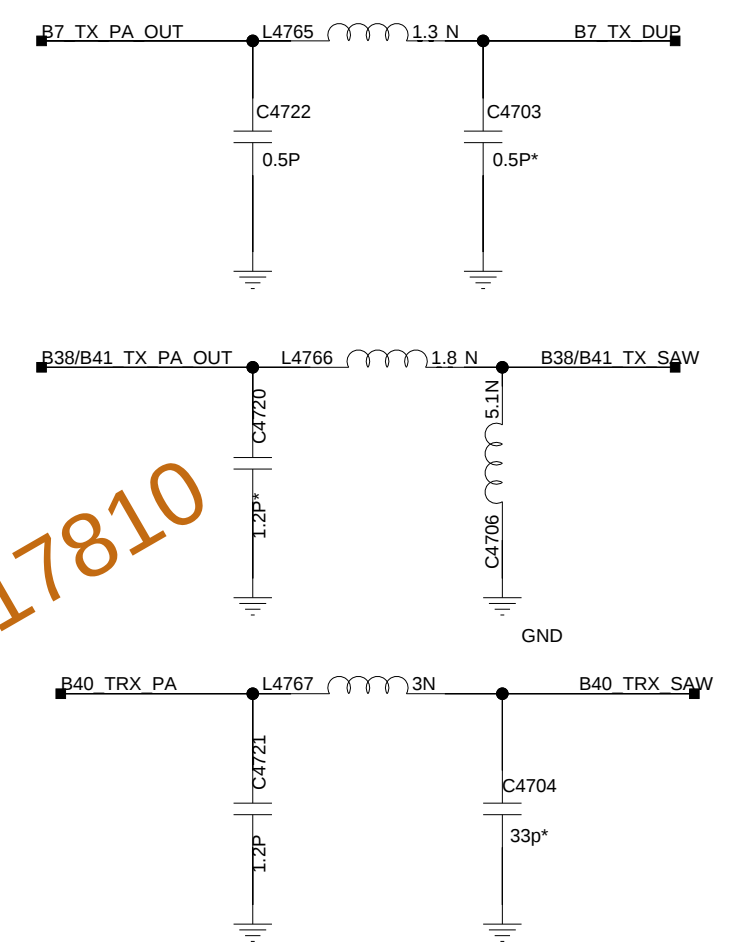
LB_match



MB_match

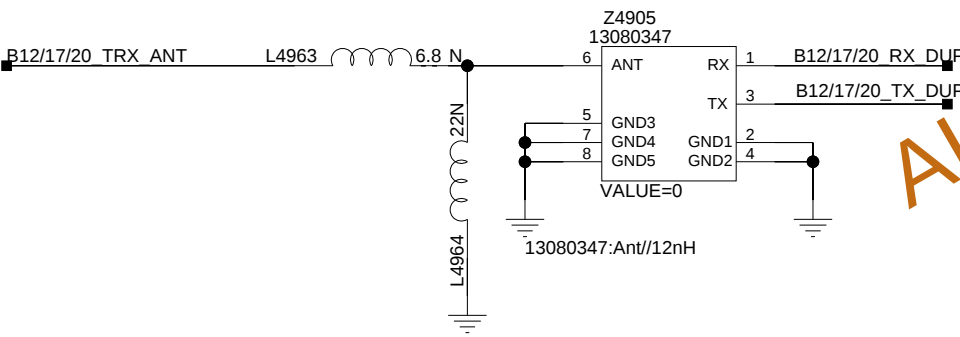
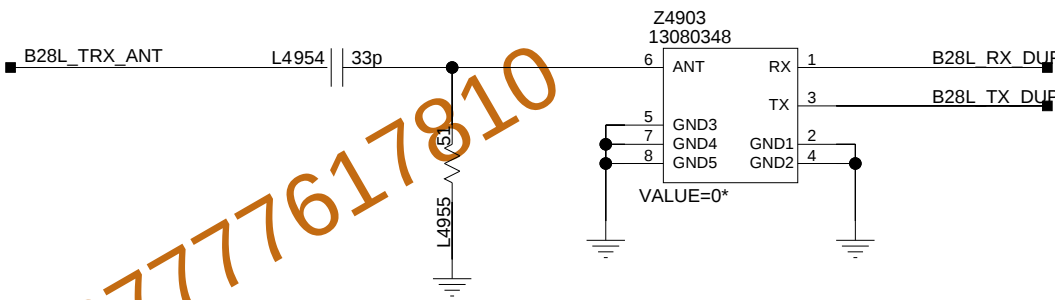
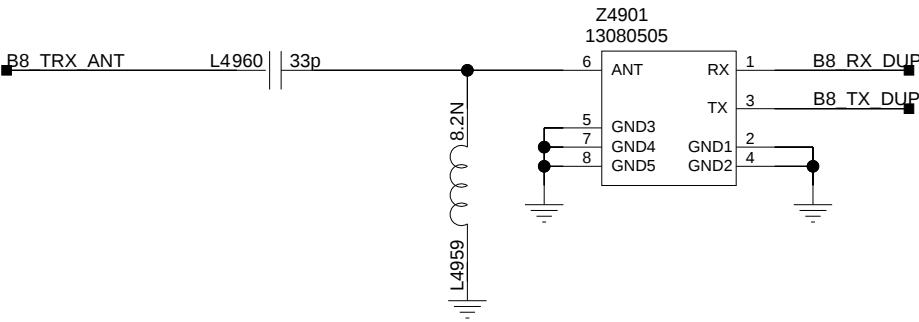
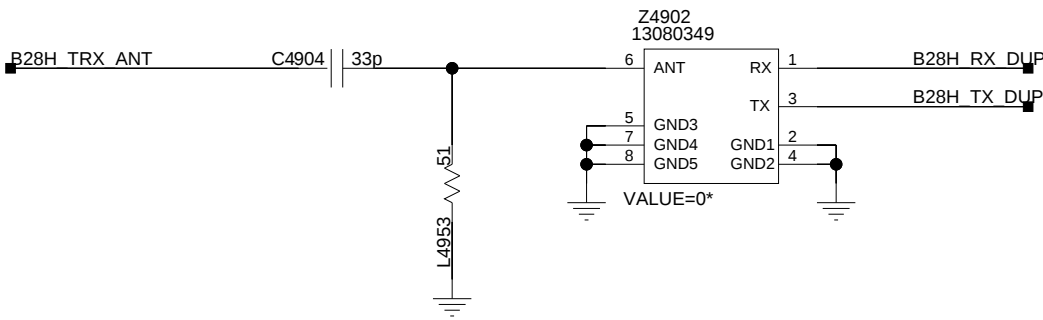
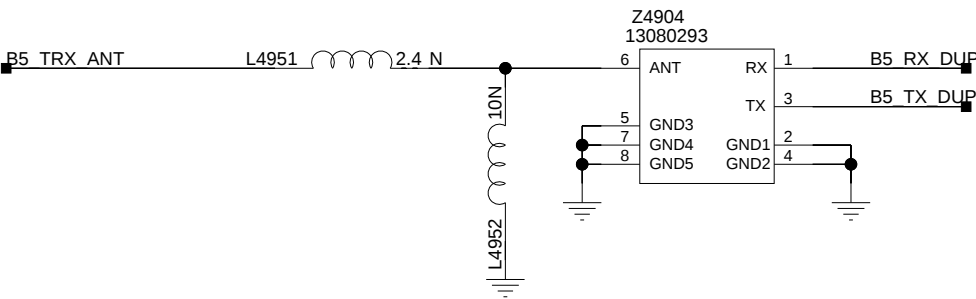


HB_match



The type and specification of the components refer to the BOM

49. TRX_LB_1



The type and specification of the components refer to the BOM

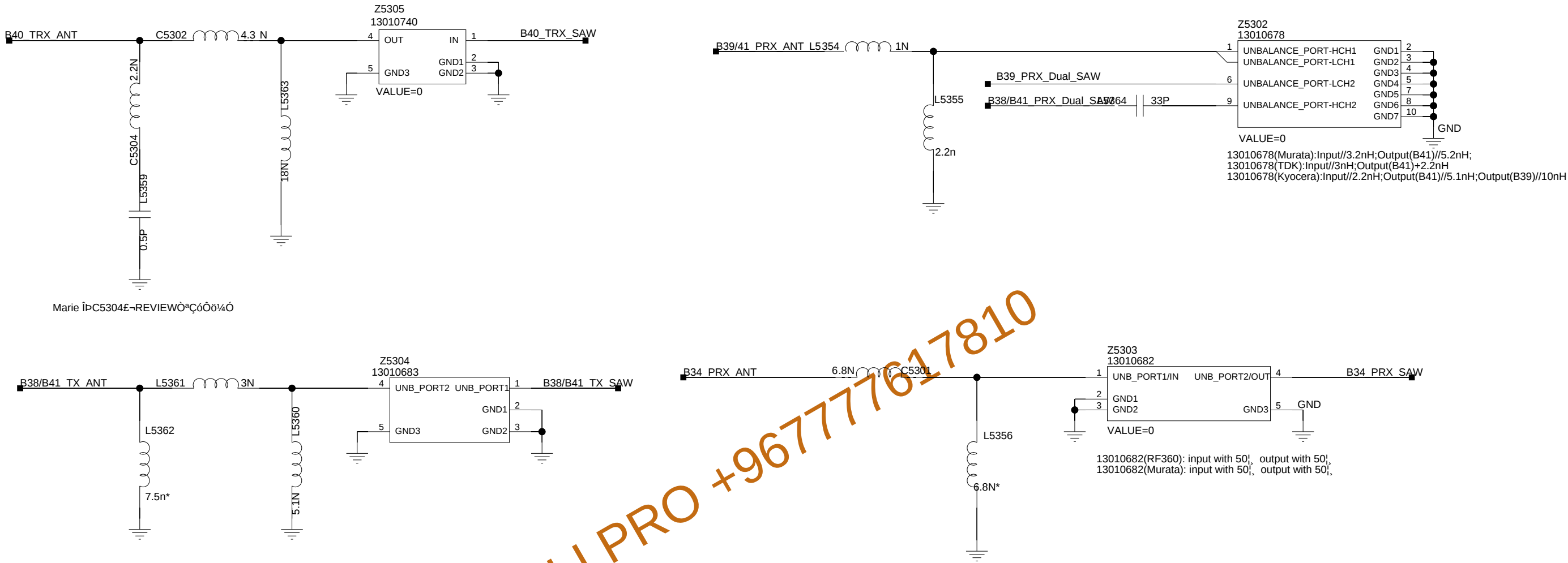


11

ACCEPTED MANUSCRIPT

11

53. TRX_HB_1



The type and specification of the components refer to the BOM

A

B

C

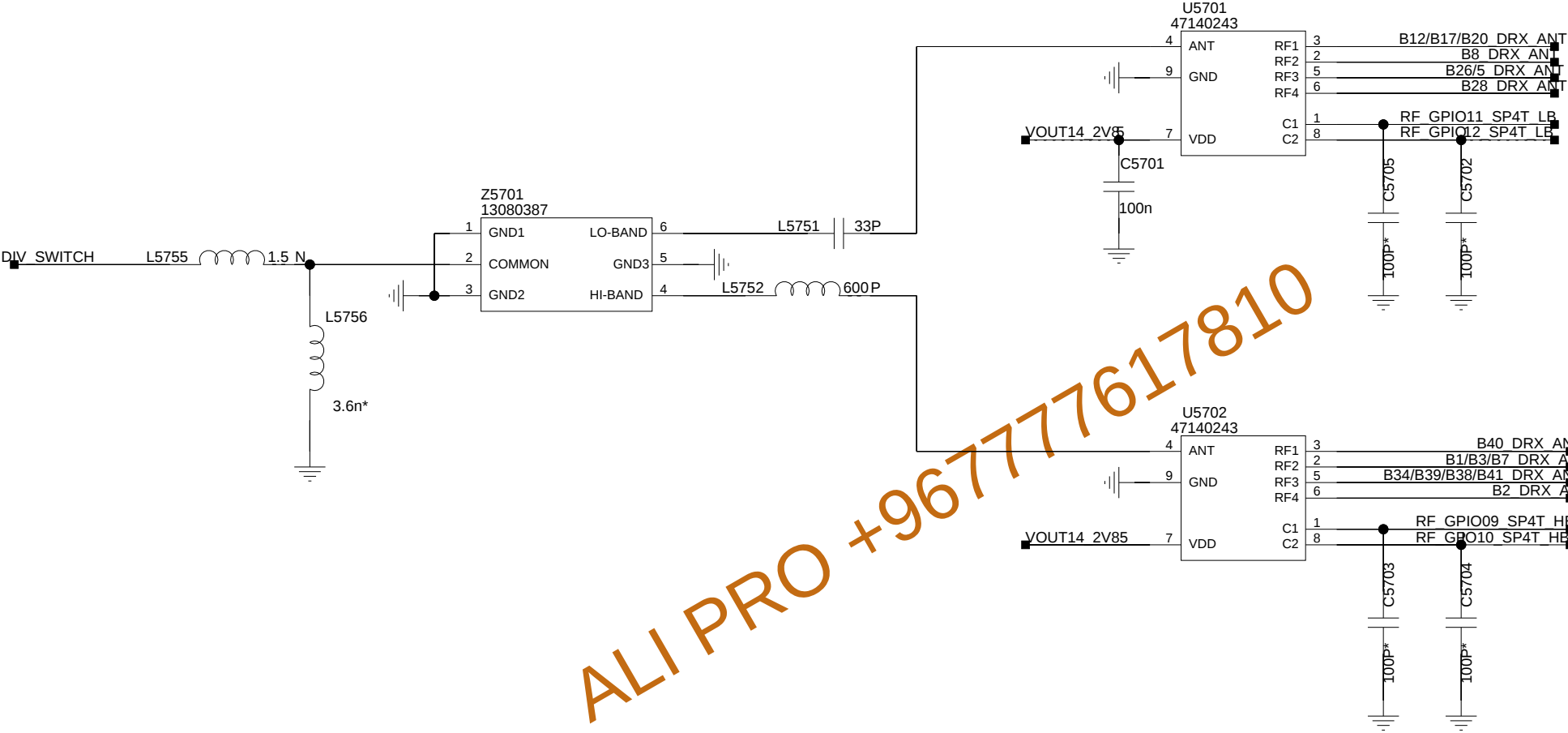
D

A

C

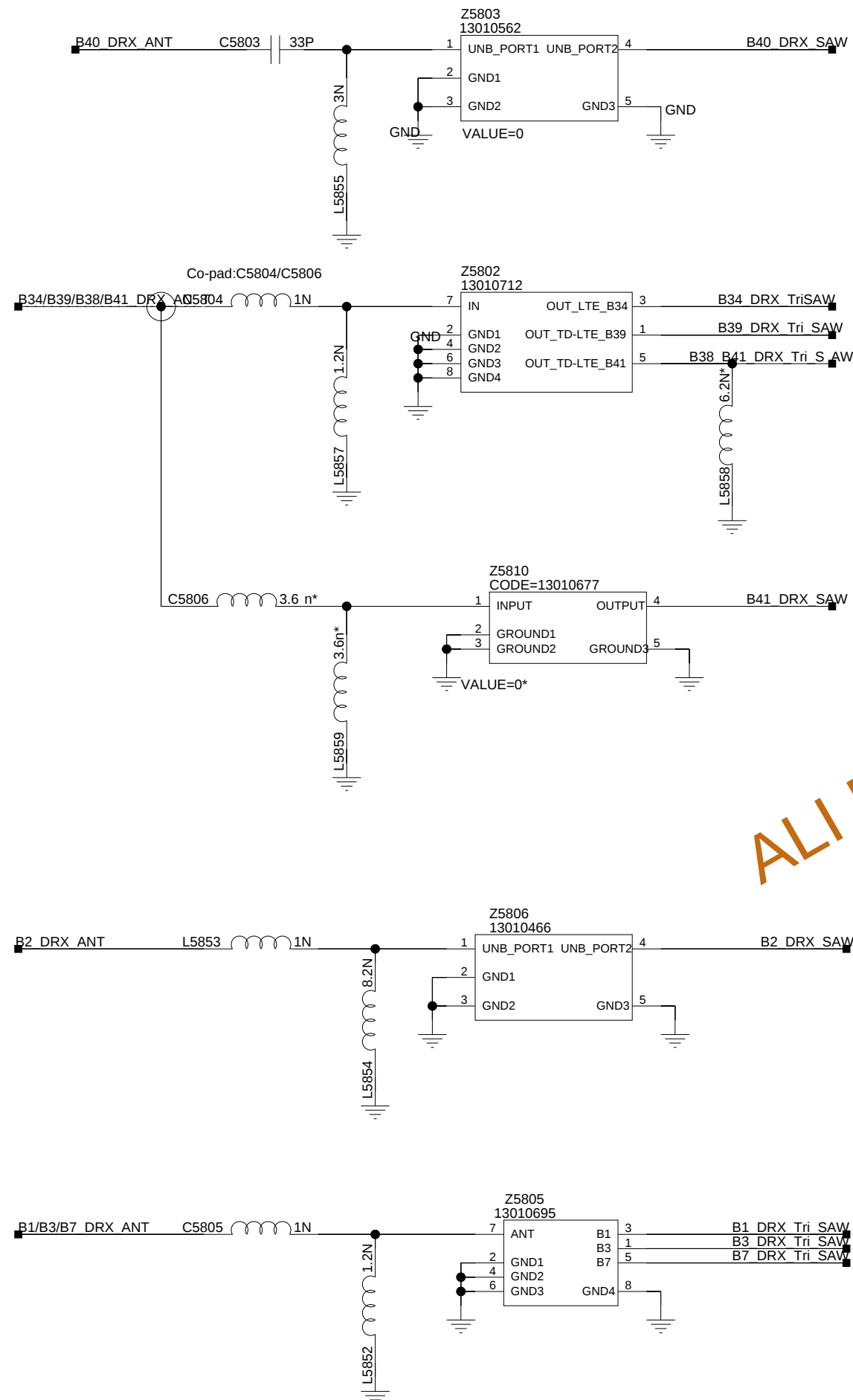
The type and specification of the components refer to the BOM

57.DRX_SWITCH



The type and specification of the components refer to the BOM

58.DRX_LMHB



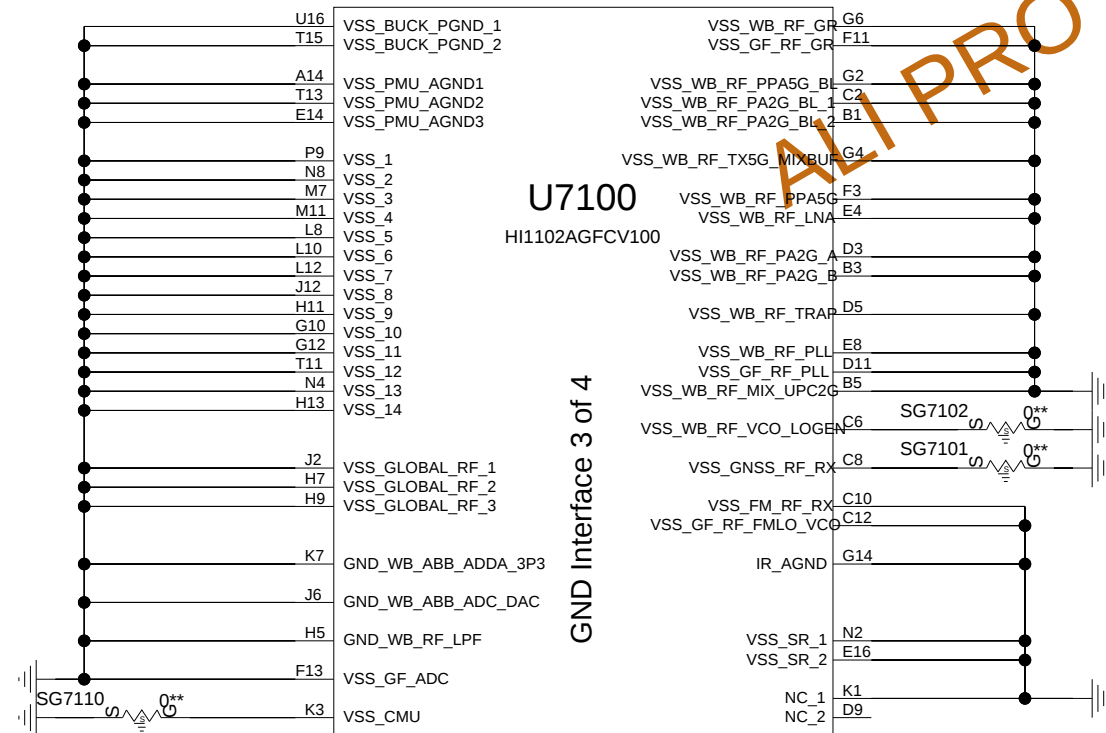
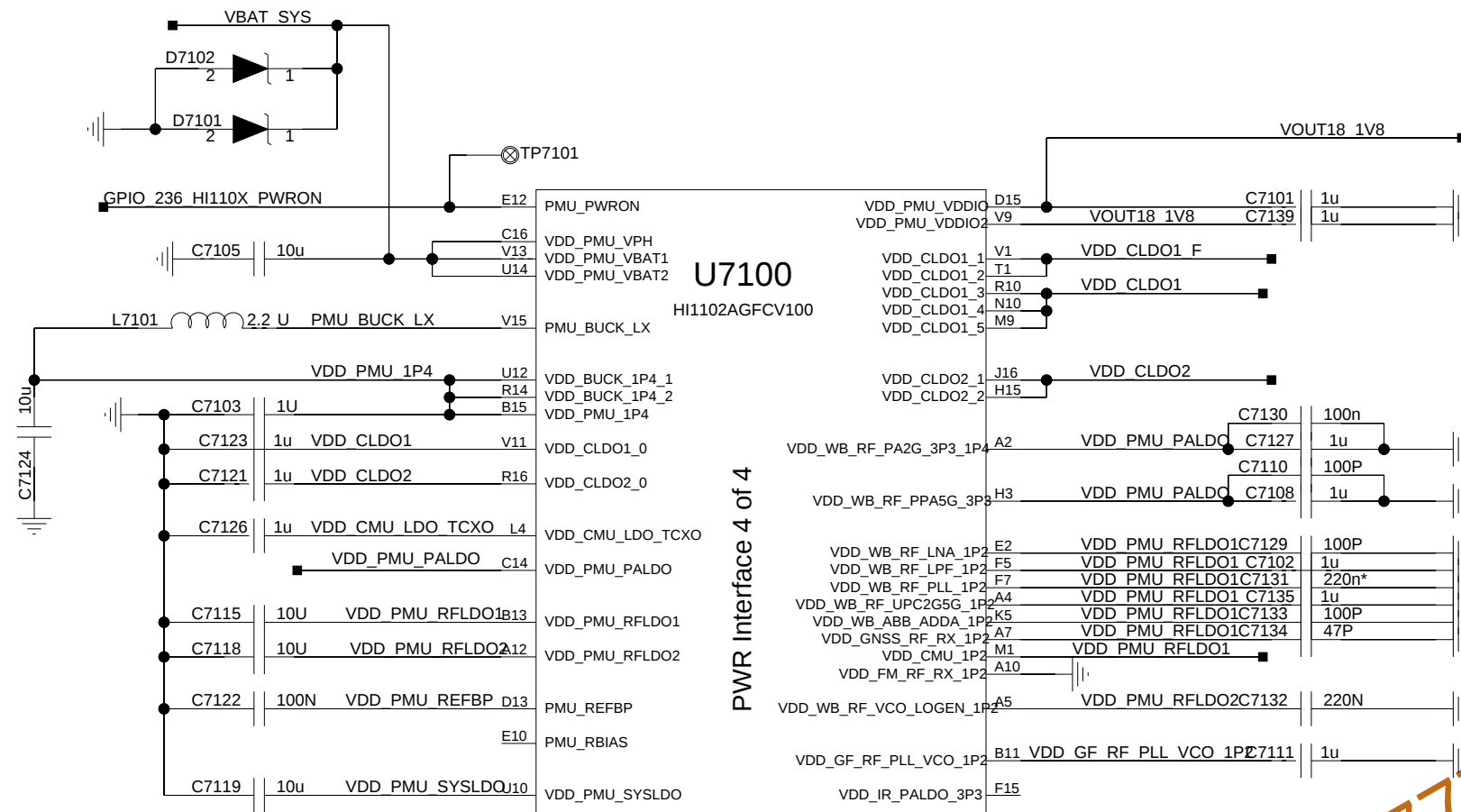
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The type and specification of the components refer to the BOM

59.DRX_LNA_Module



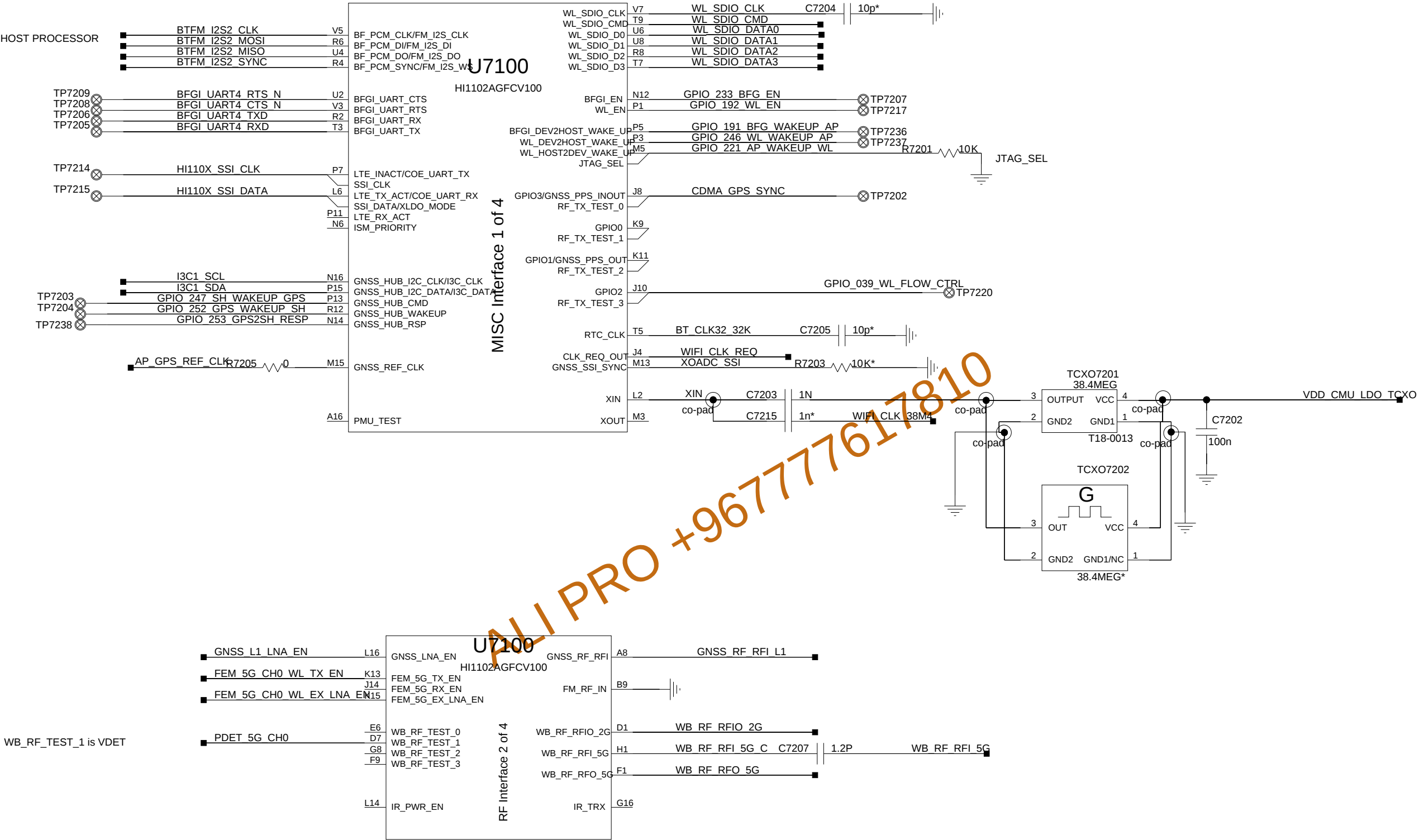
71 NC_POWER



VDD_PMU_1P4		(1V4)
VDD_PMU_REFBP	200mA	1V-1V2 (1V2)
VDD_PMU_CLDO1	500mA	1V1
VDD_PMU_CLDO2	500mA	1V1
VDD_PMU_LDO_TCXO	100mA	1V8/2V8
VDD_PMU_PALDO	400mA	2V-3V5 (3V3/1.4V)
VDD_PMU_SYSLDO	30mA	0V6-1V0 (0V9)
VDD_PMU_RFLDO1	250mA	1V2
VDD_PMU_RFLDO2	100mA	1V2
VDD_PMU_RFLDO3	50mA	1V2

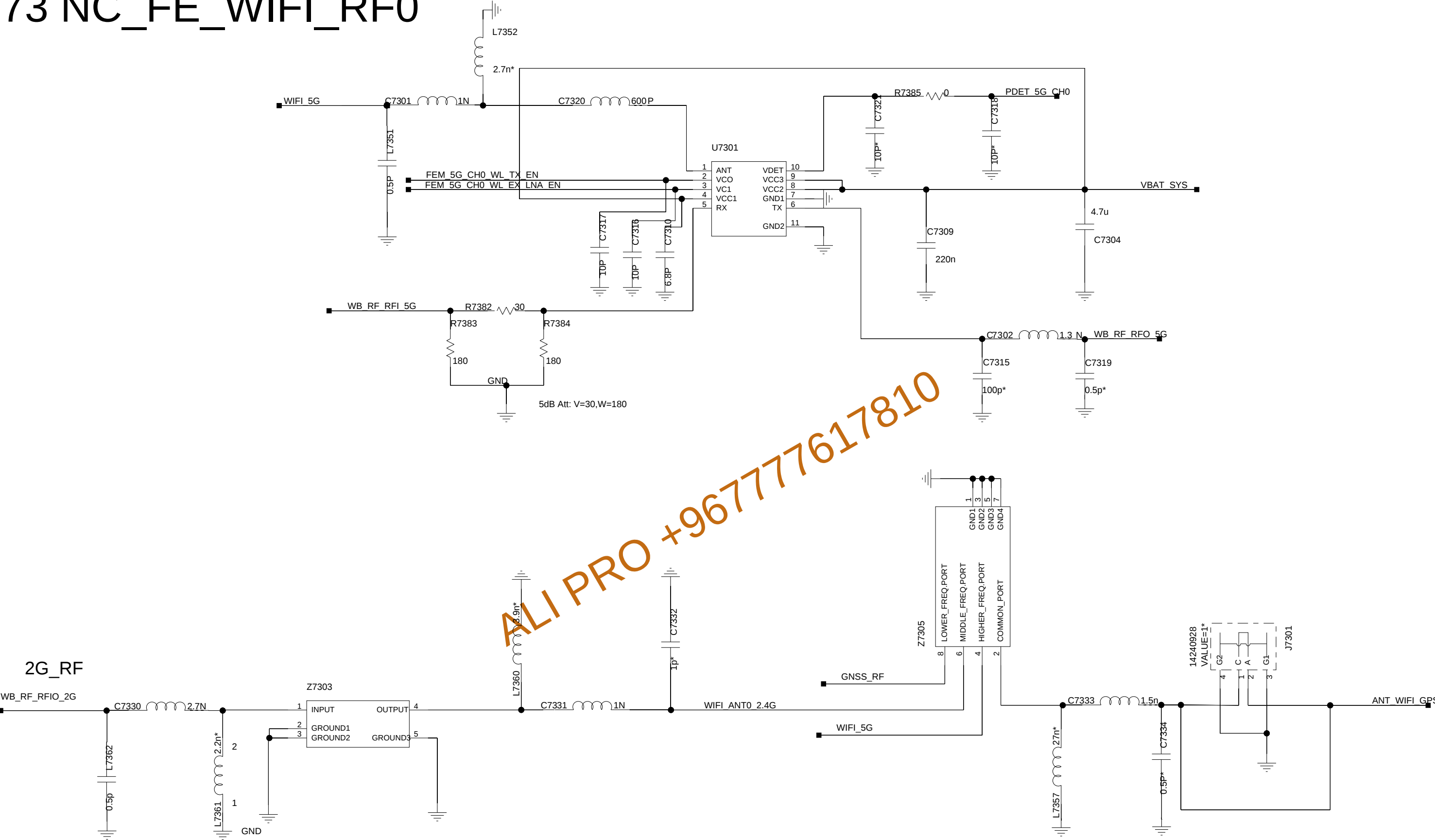
The type and specification of the components refer to the BOM

72 NC_BB



The type and specification of the components refer to the BOM

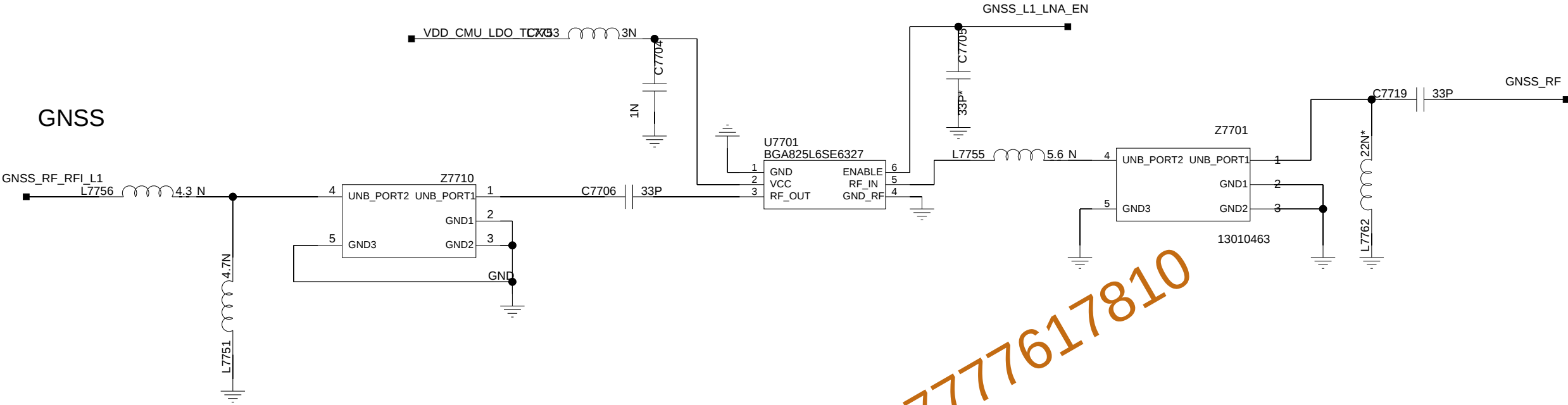
73 NC_FE_WIFI_RF0



The type and specification of the components refer to the BOM

77 NC_GPS

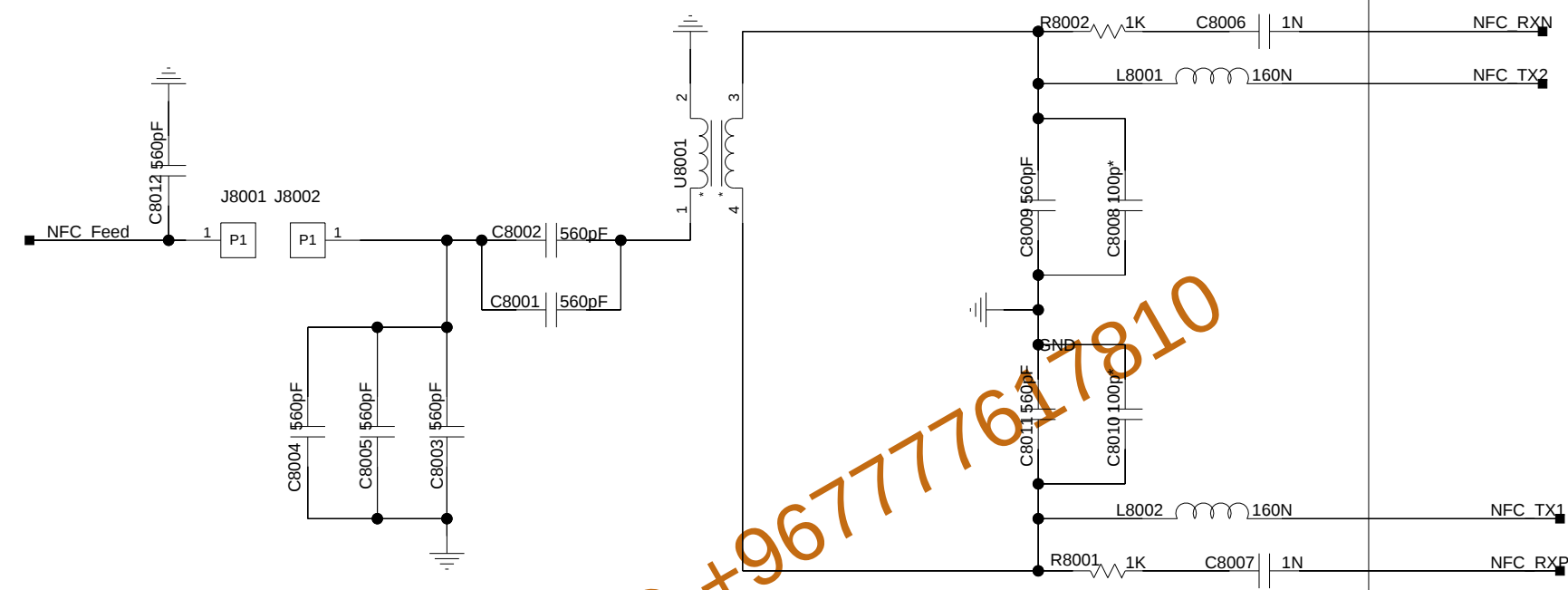
GPS L1



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The type and specification of the components refer to the BOM

80. ANT_NFC



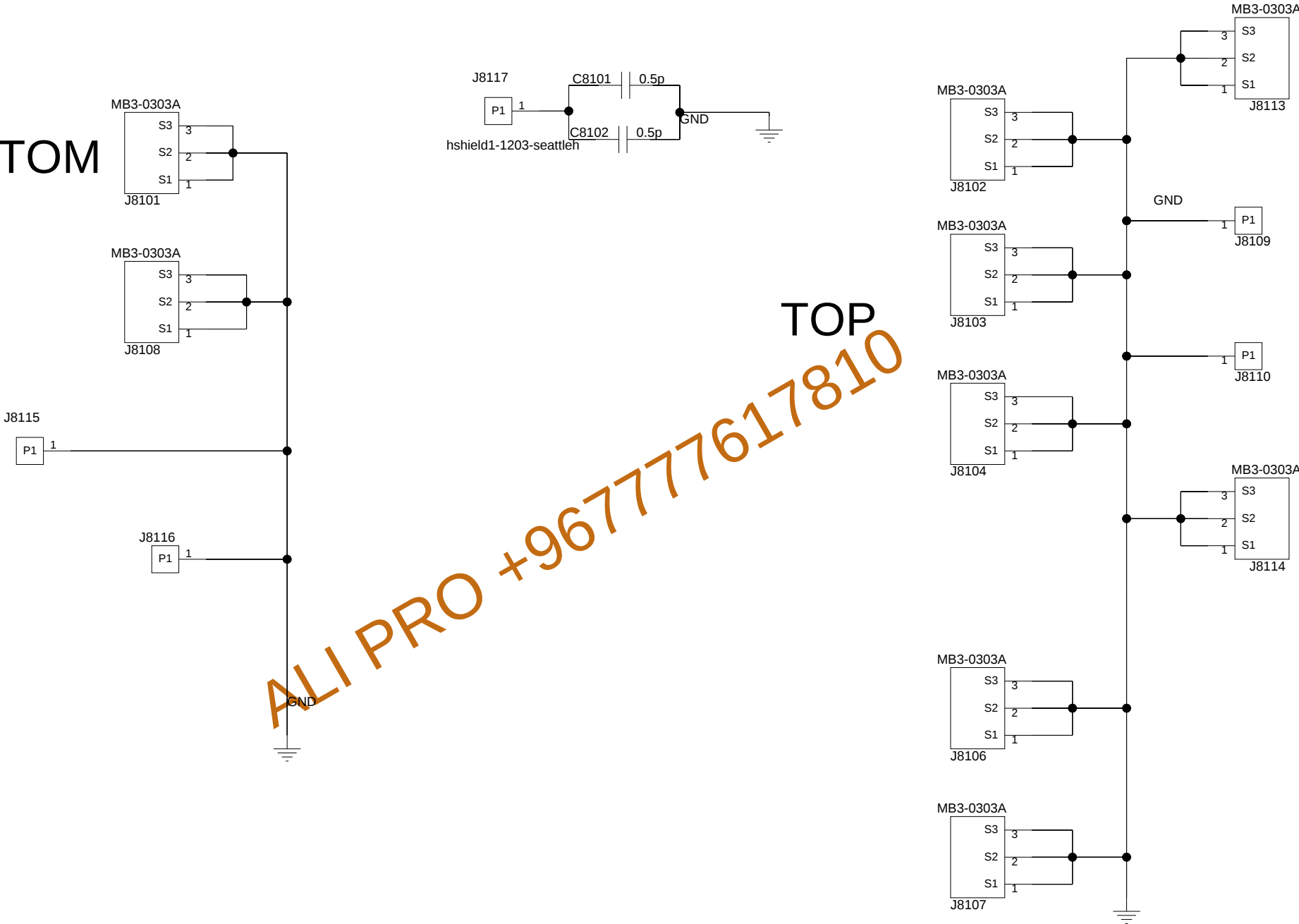
The type and specification of the components refer to the BOM

81. ANT_GND

BOTTOM

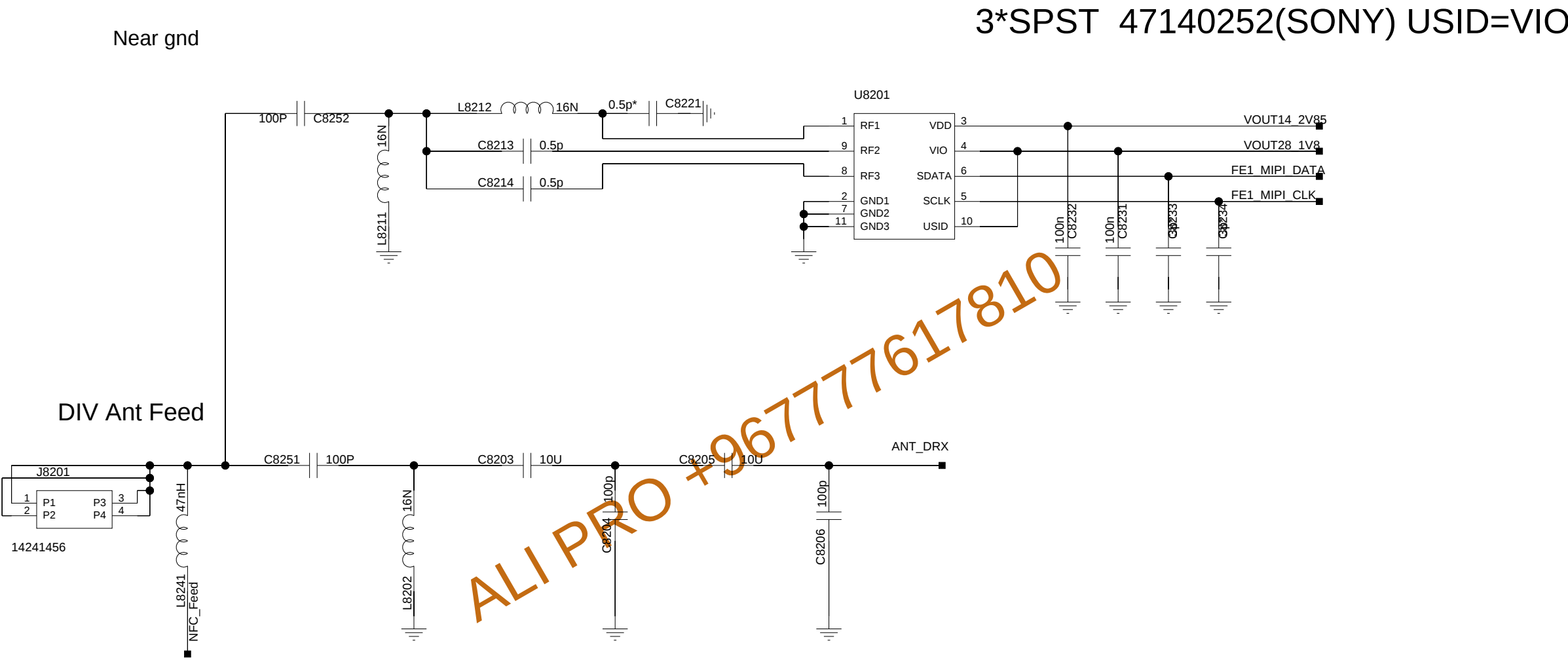
TOP

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The type and specification of the components refer to the BOM

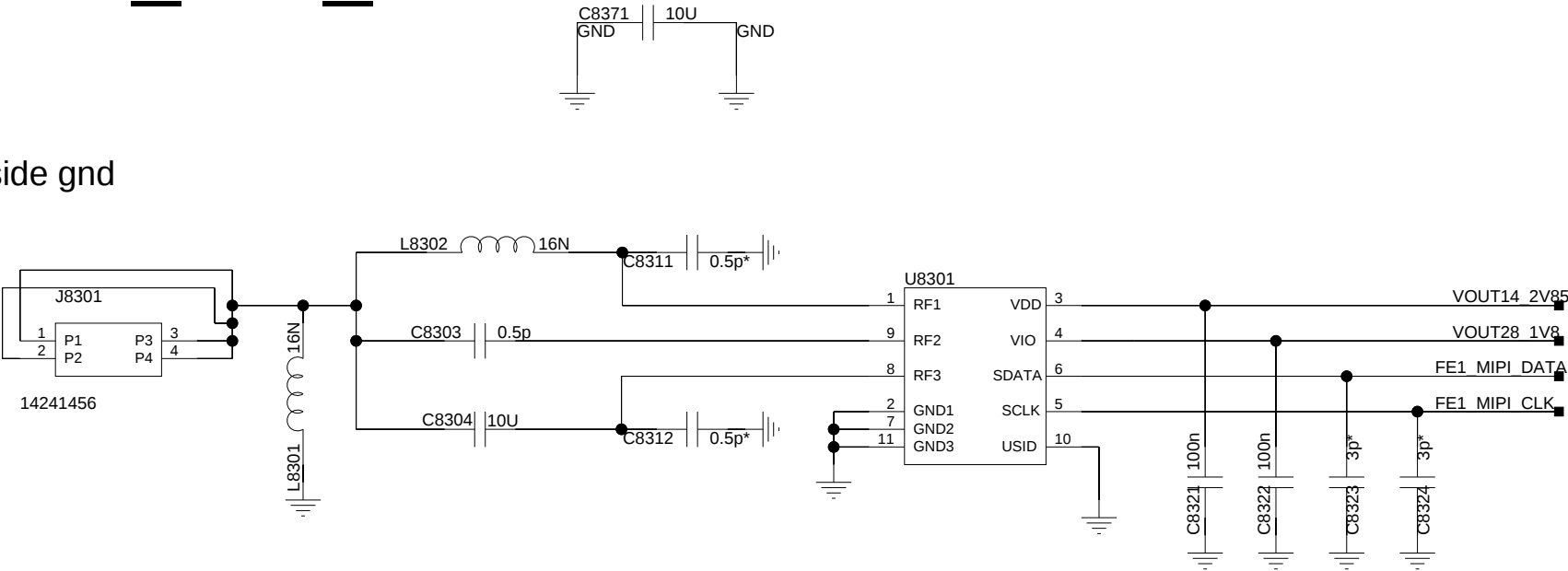
82. ANT_DIV_feed



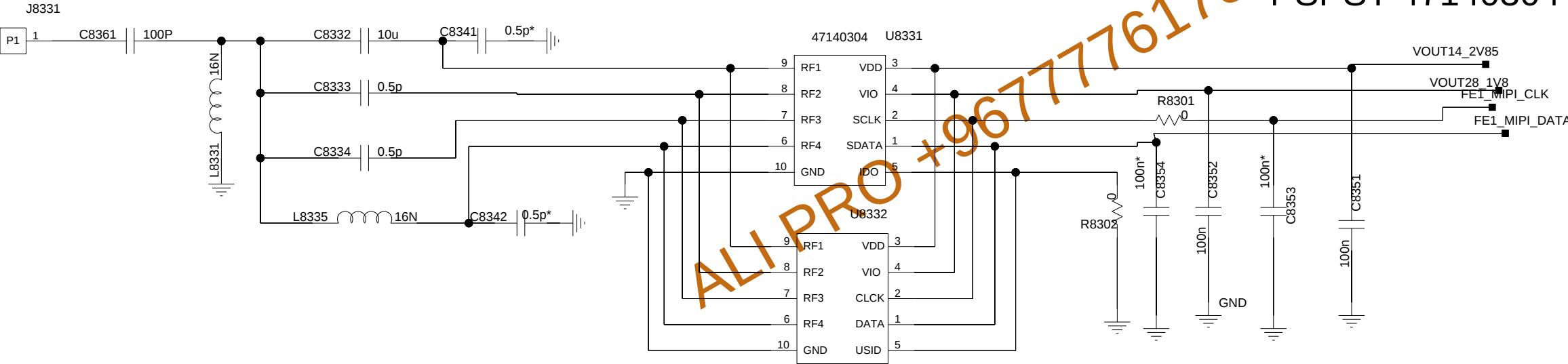
The type and specification of the components refer to the BOM

83. ANT_DIV_tuner

div side gnd

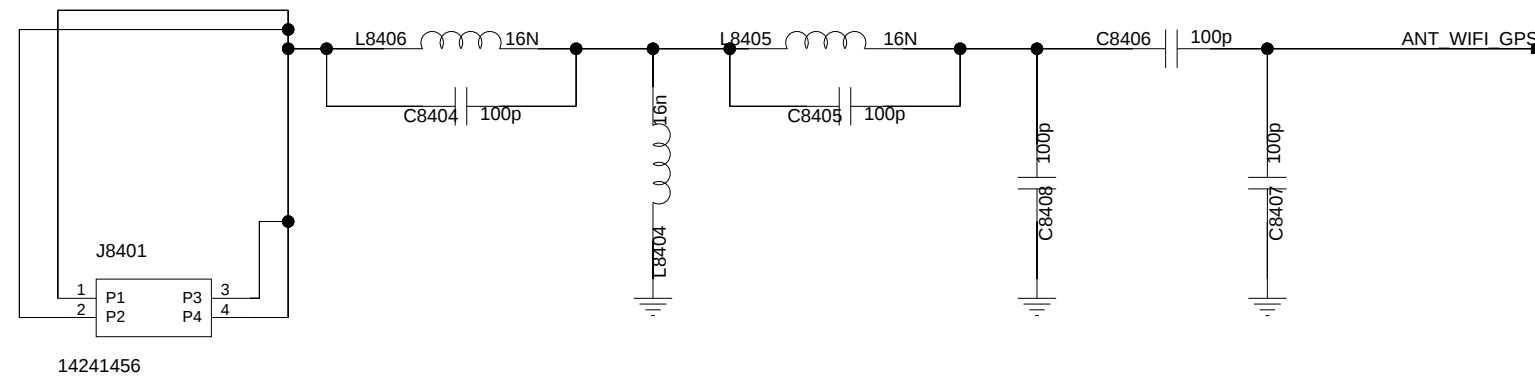


div mid gnd



The type and specification of the components refer to the BOM

84. ANT_GPS_WIFI



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