

# I2C\_ID\_OVERVIEW

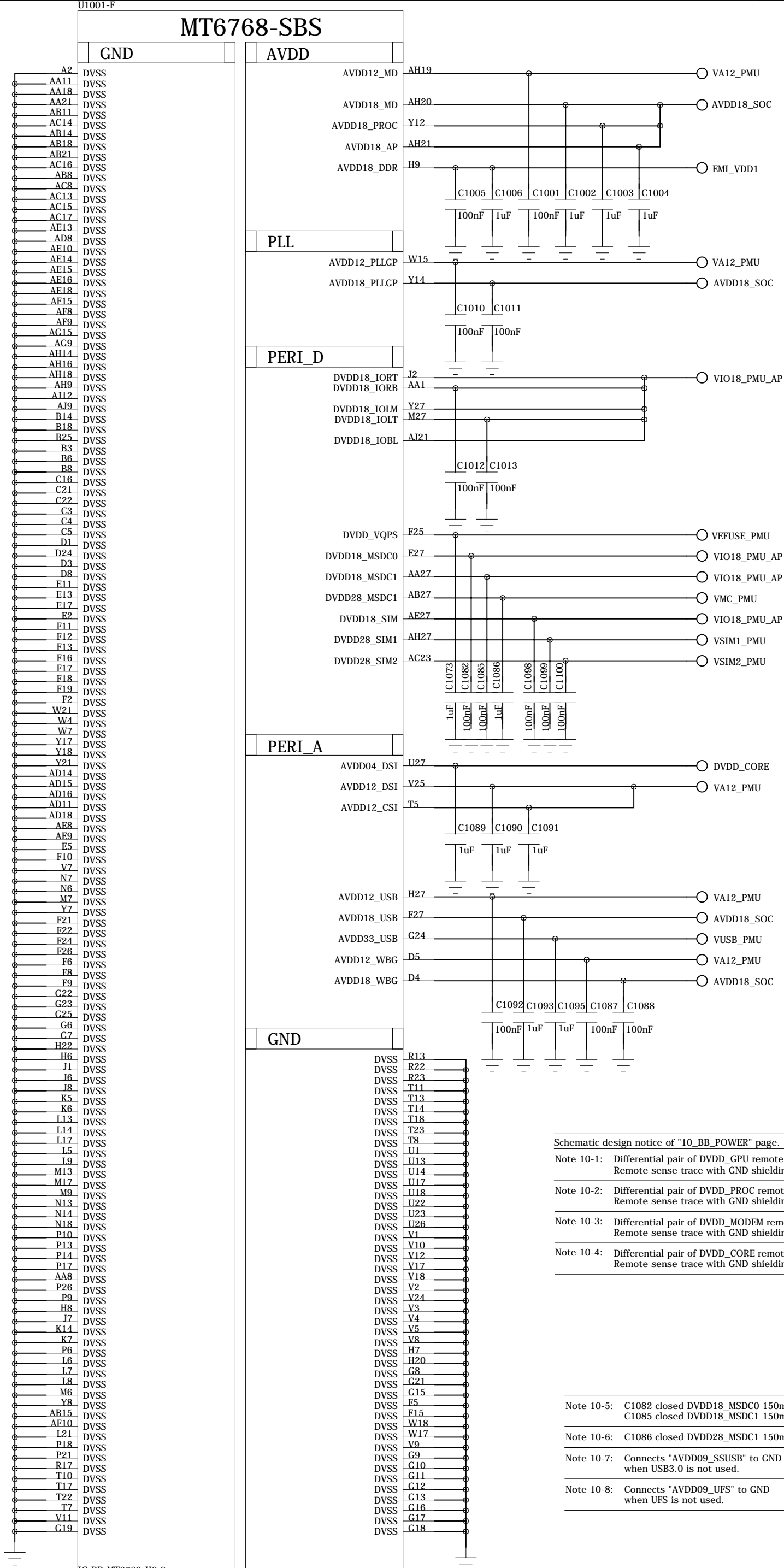
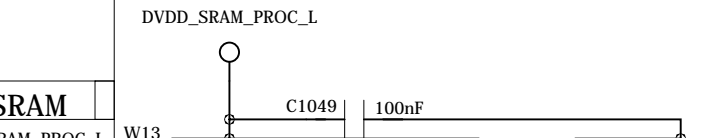
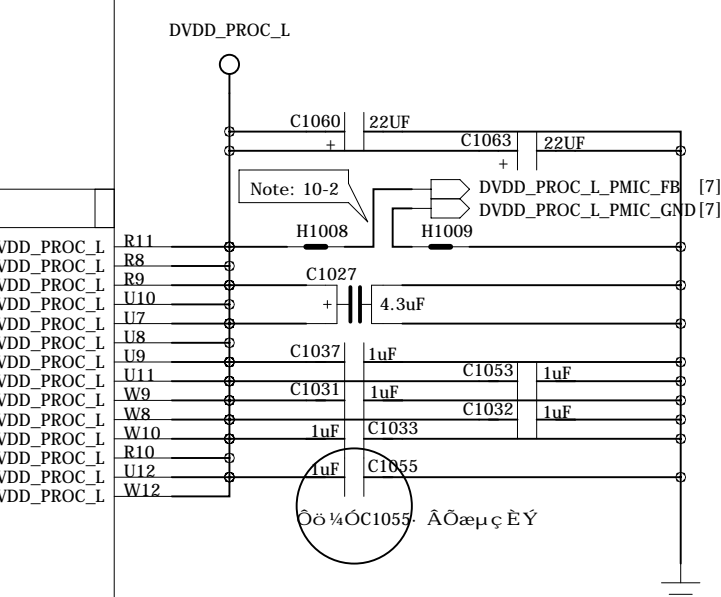
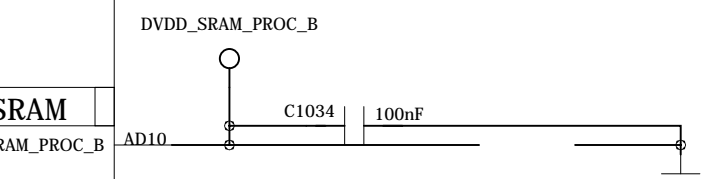
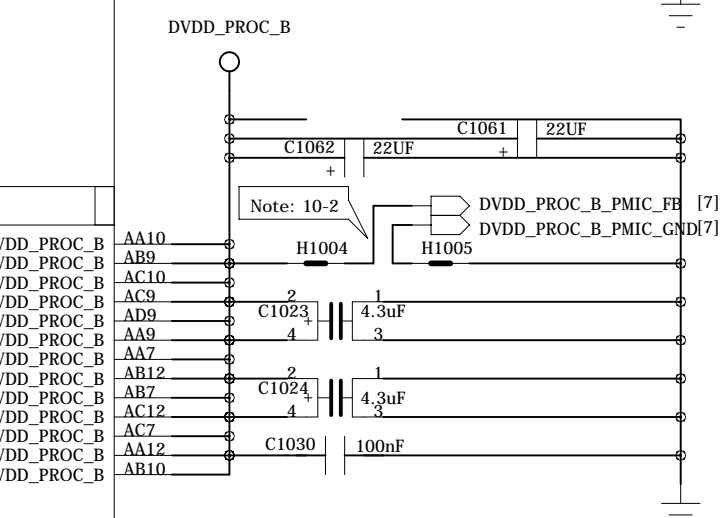
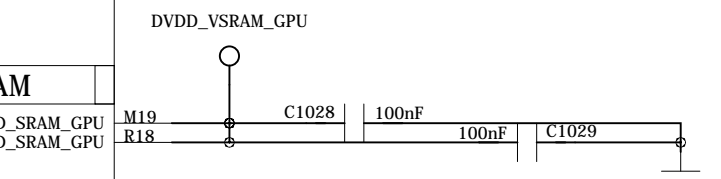
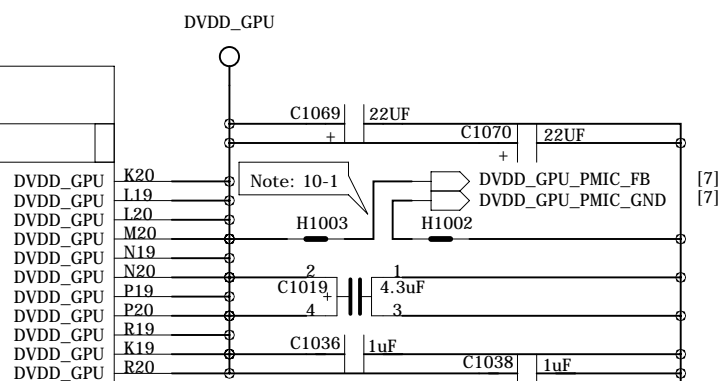
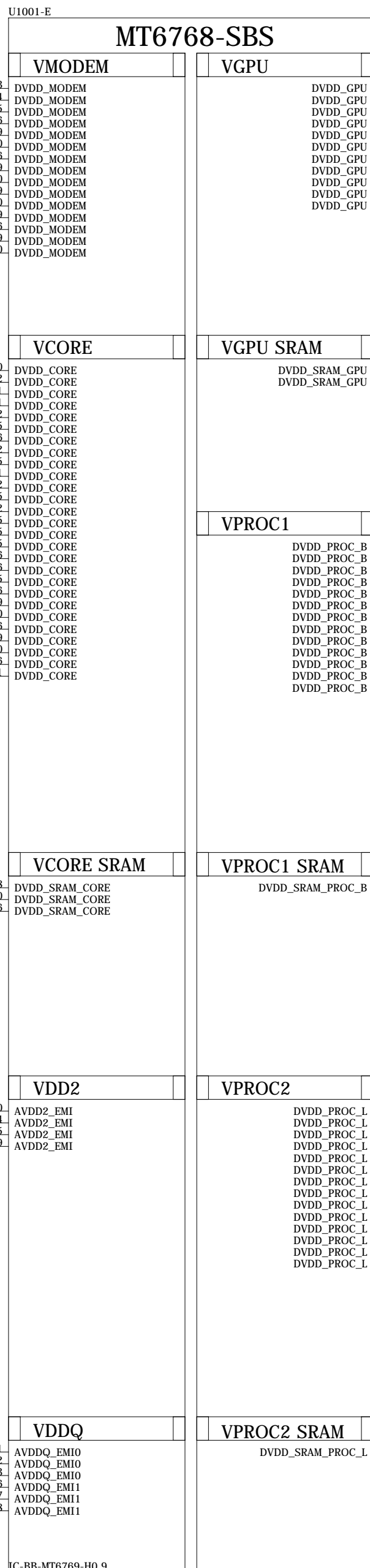
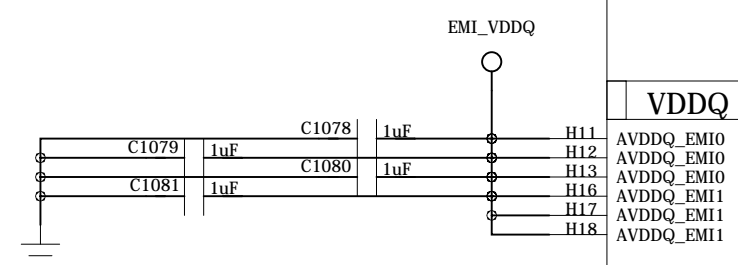
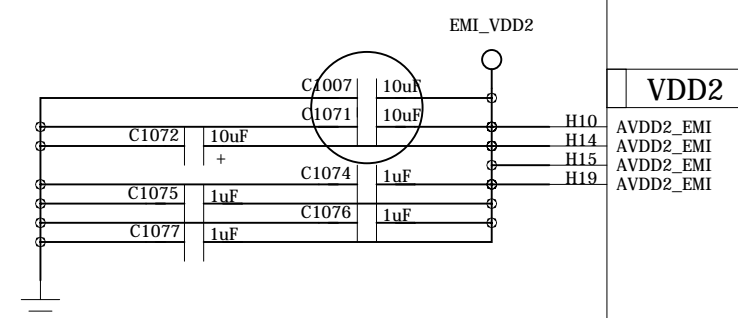
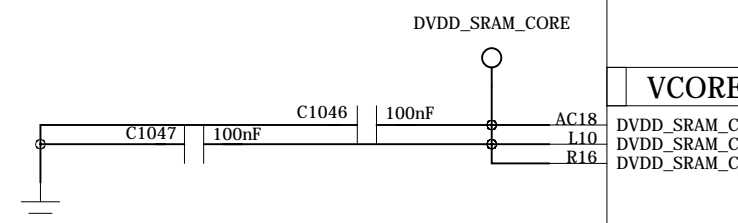
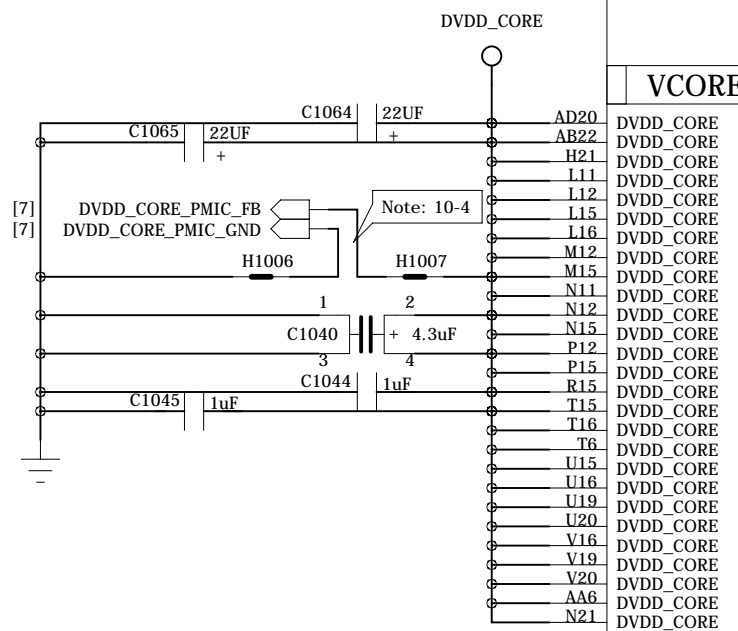
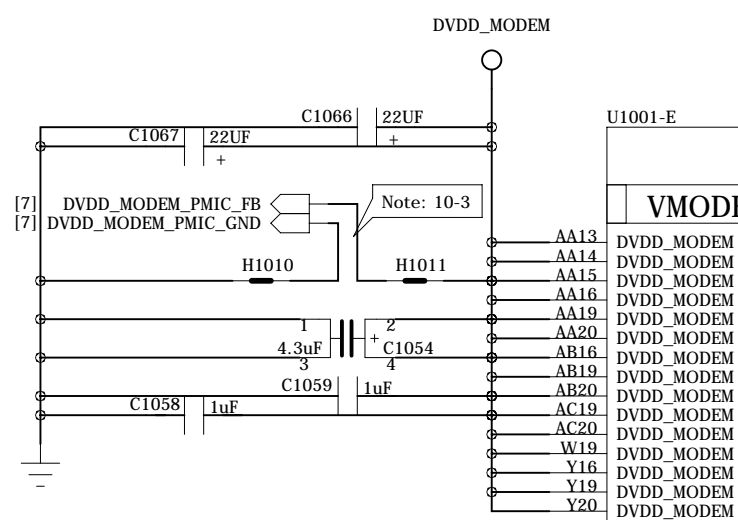
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

I2C	Function	I2C Spec.	Budget Timing	I2C Slave Address (7-bit mode)
I2C-0	CTP	400 Kbps	Yes.	TP£ ¨ NT36572A£ © I2C address:write:0xC4,read:0xC5
		400 Kbps		
I2C-1	M Sensor	400 Kbps	Yes.	AK09918C-L:I2C ADDRESS:0x18(Write)/0x19(Read)
	A+Gyro Sensor	400 Kbps		
	ALS / PS Sensor	400 Kbps	Yes.	LTR-579ALS-028WA/ ALS + PS I2C address: 0x53 (Write:0xA6, Read:0xA7)
	Gsensor	400 Kbps	Yes.	MXC4005XC:I2C ADDRESS:0x2A(Write)/0x2B(Read) £ ¨ default£ © KXTJ3-1057:I2C ADDRESS:0x1C(Write)/0x1D(Read) £ ¨ reserve£ ©
I2C-2	REAR CAMERA Wide (13M+AF)	400 Kbps	Yes.	Back camera I (S5K3L6XX03-FGX9) I2C address: (Write:0x20, Read:0x21) Drv IC(DW9718S) I2C address: (Write:0x18, Read:0x19 ) EEPROM IC(BL24SA64-CS) I2C address: (Write:0xA0, Read:0xA1)
I2C-3	Charger IC	400 Kbps	Yes.	BQ25601:I2C ADDRESS:0xD6(Write)/0xD7(Read)
	LCM Gate Driver	400 Kbps	Yes.	OCP2131:I2C Address=0x3E write:0x7C read:0x7D
I2C-4	Flash LED Driver	400 Kbps	Yes.	KTD2699:I2C Address=0x63 write:0xC6 read:0xC7
	REAR CAMERA Tele	400 Kbps	Yes.	Back camera(GC5025W) I2C address: (Write:0x6E, Read:0x6F)
	FRONT CAMERA	400 Kbps	Yes.	Front camera sensor(S5K3L6XX03-FGX9) I2C address: (Write:0x5A Read:0x5B) Front camera EEPROM(GT24P64AL-2CSLI-TR) I2C address: (Write:0xA2 Read:0xA3)

Note : I2C Spec. : Standard mode (100 kbps) and Fast mode (400 kbps), Fast mode Plus (1 Mbps) and High-speed mode (3.4 Mbps)

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 01_I2C_ID_OVERVIEW		VERSION: V1.0	SHEET: 2 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

# BB POWER

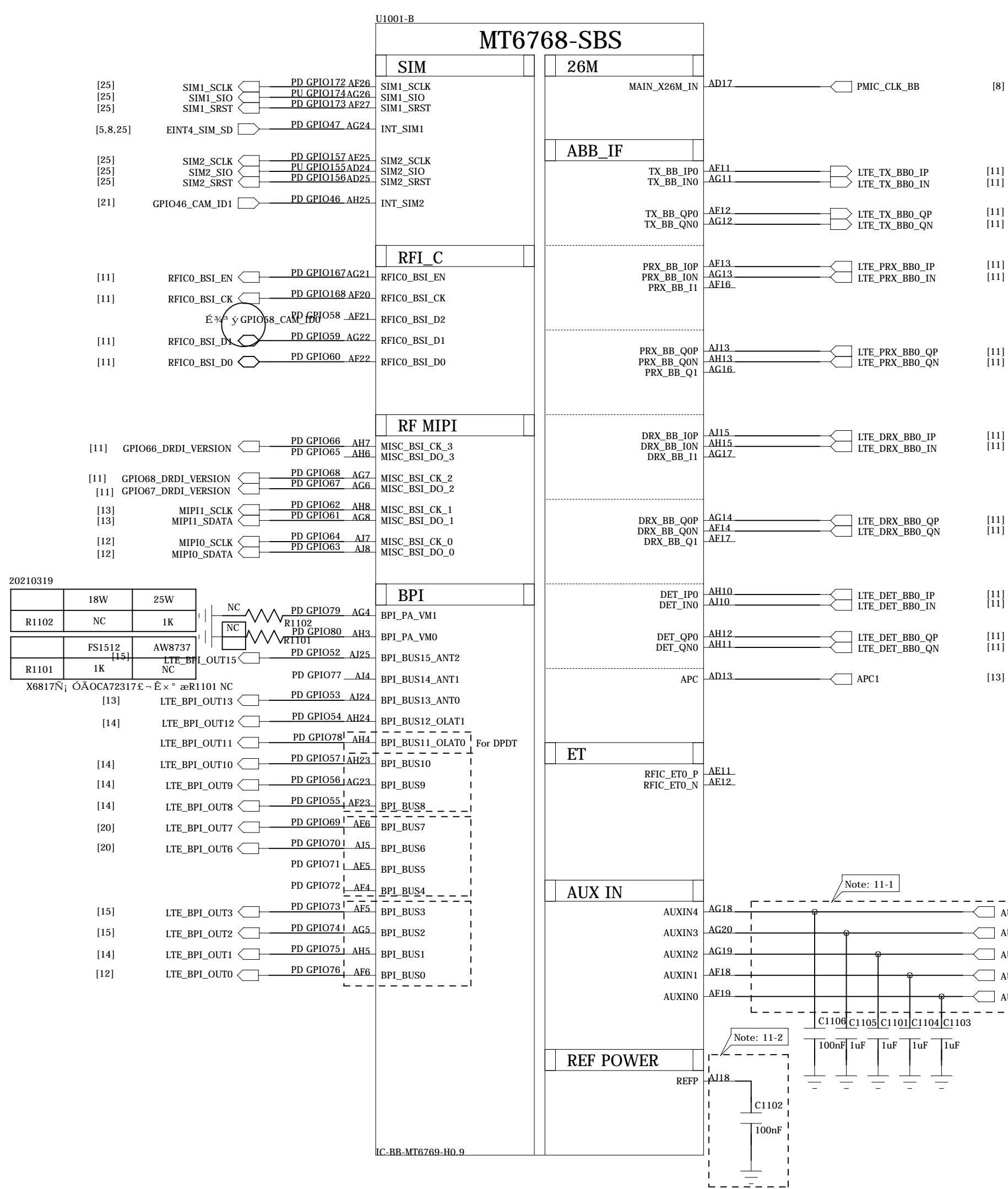
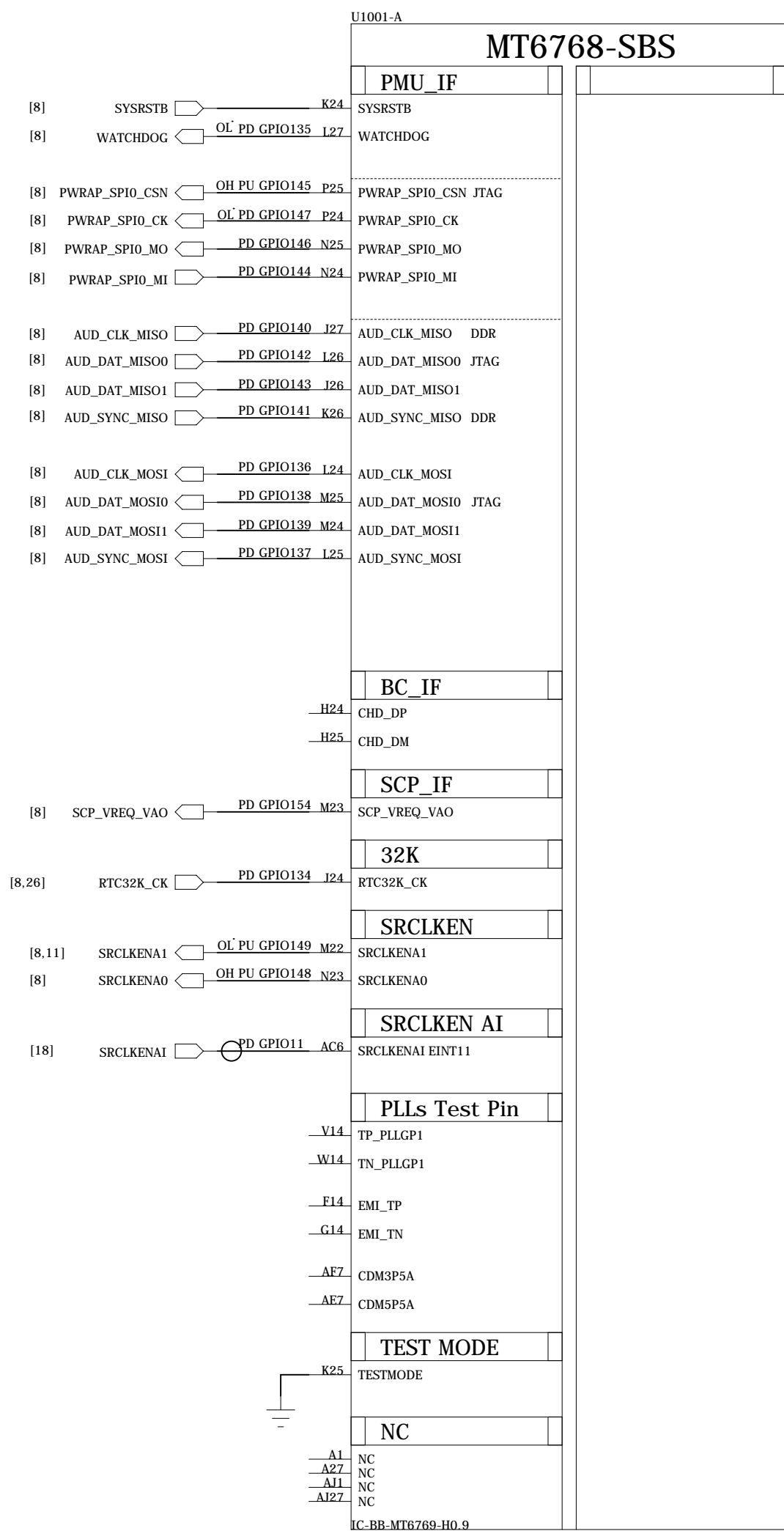


REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 10_BB_POWER		VERSION: V1.0	SHEET: 3 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

## BB\_I

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



Default	"PWRAP_SPI0_CSN" and "AUD_DAT_MOSIO" are bootstrap pin to select which interface will be the JTAG pin out.			
	PWRAP_SPI0_CSN	AUD_DAT_MOSIO	AP_JTAG	MD_JTAG
	HI	LO	N/A	N/A
	HI	HI	SPI0+EIINT8	SPI2+SPI3
	LO (by ext. P2)	LO (by ext. P2)	SPI0+EIINT8	N/A
	LO (by ext. P2)	HI (by ext. P2)	N/A	N/A

AUD_SYNC_MISO and AUD_CLK_MISO are DDR type feature in bootstrap				
	AUD_SYNC_MISO	AUD_CLK_MISO	DDR Type	VDRAM1 / VDRAM2 (PMU)
Default	LO	LO	LP4X eMCP	1.125V/ 0.6V
	LO	HI (by ext. PS)	Reserved	OFF/1.8V
	HI (by ext. PS)	LO	LP3 eMCP	1.225V/OFF
	HI (by ext. PS)	HI (by ext. PS)	Reserved	1.125V/1.8V

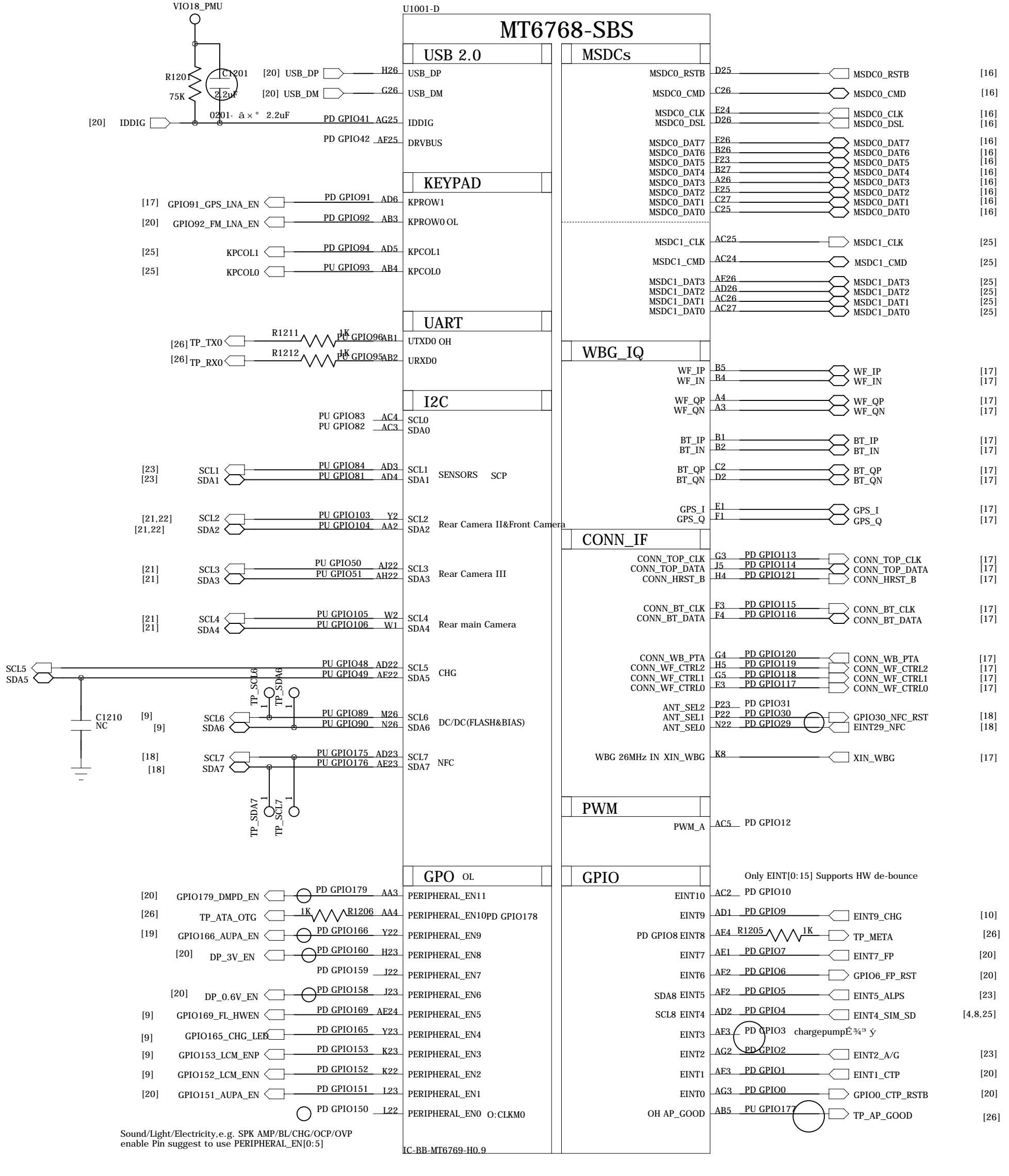
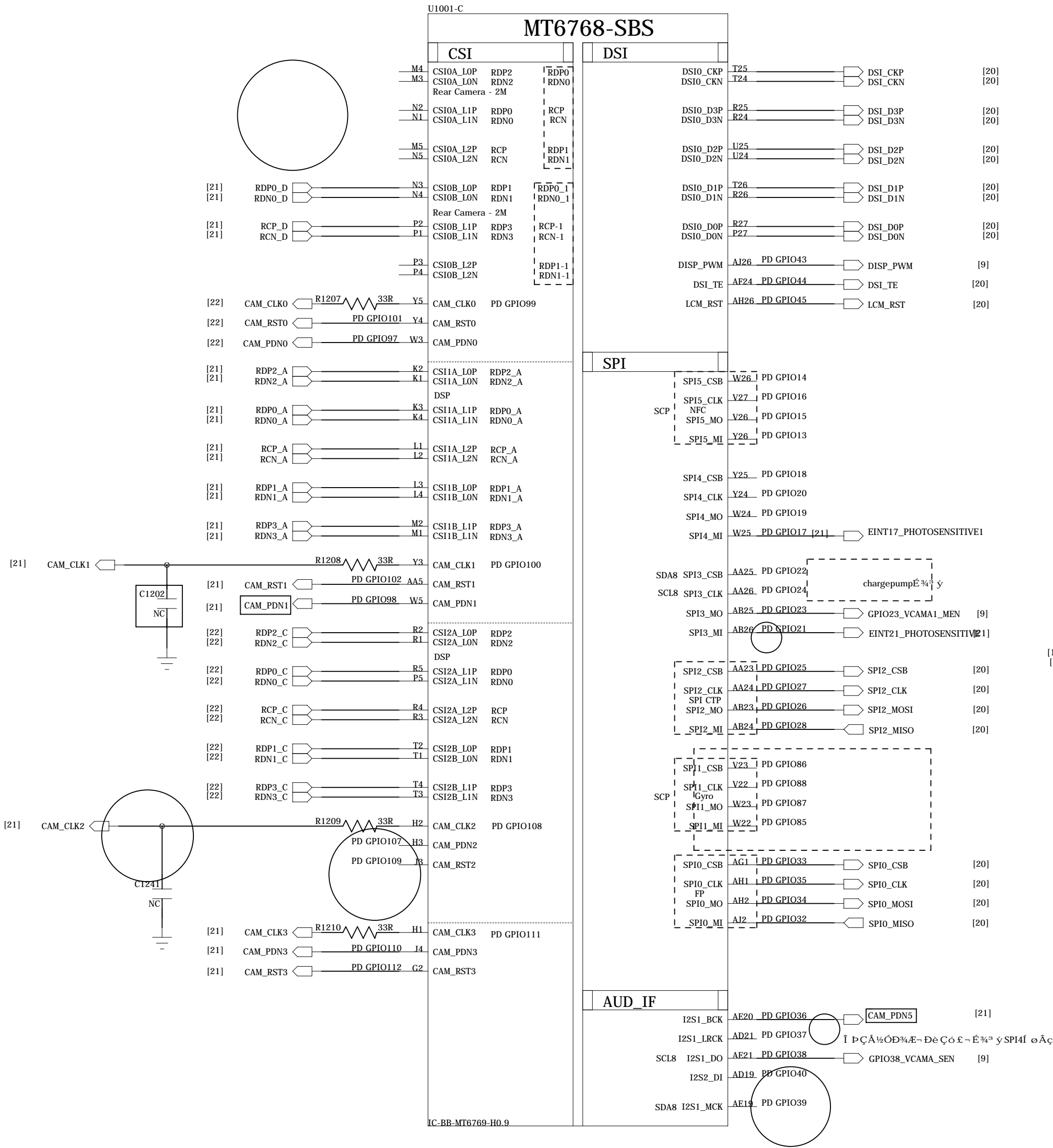
COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 11_BB_I		VERSION: V1.0	SHEET: 4 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

Schematic design notice of "11\_BB\_I" page.

Note 11-1: To shunt a 1uF capacitor in the AUXIN ADC input to prevent noise coupling. It should be placed as close to BB as possible. Connect the unused AUX ADC input to GND.

Note 11-2: The de-coupling cap. for REFP (AJ21 ball) have to be placed as close to BB as possible.

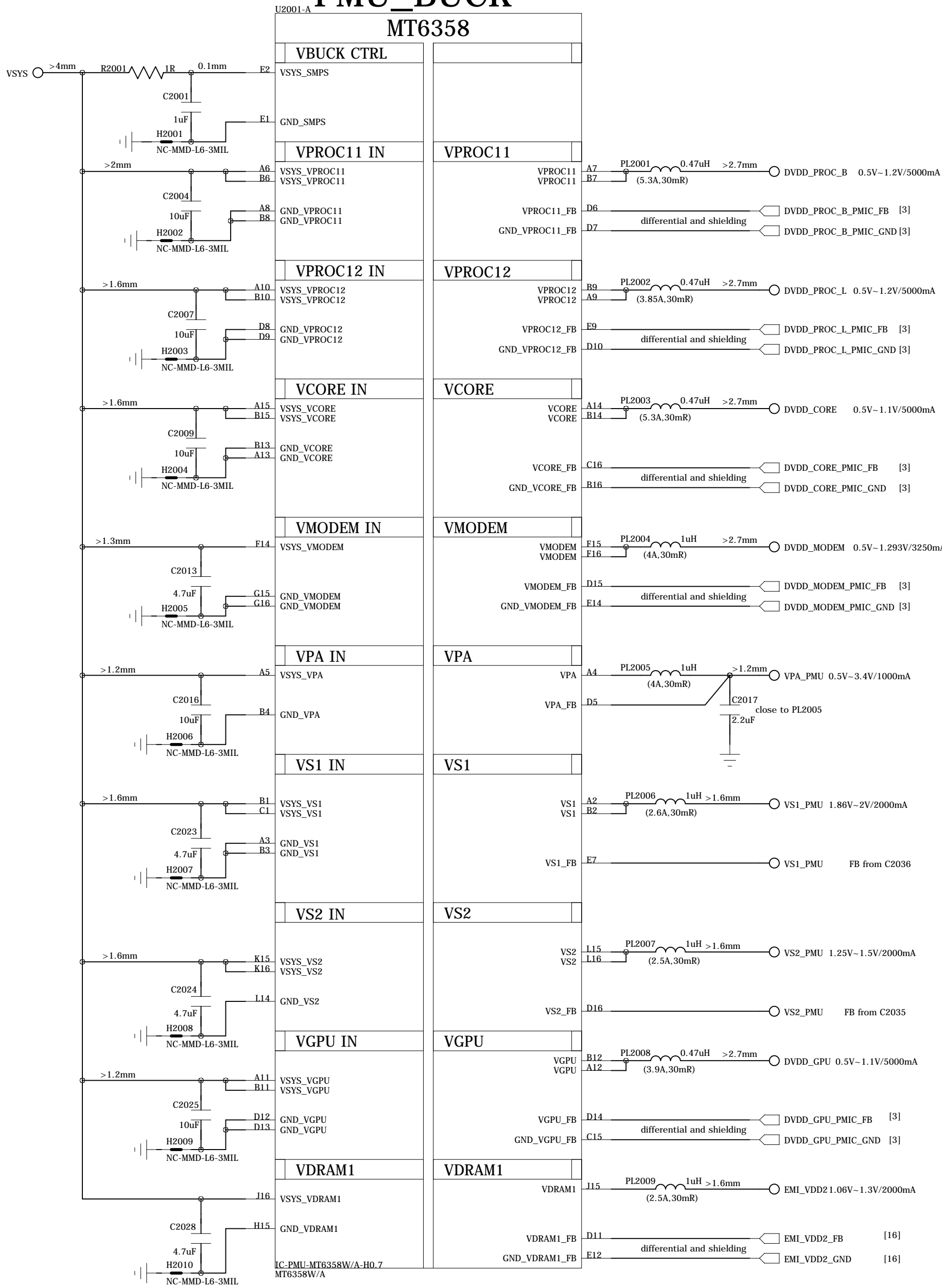
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



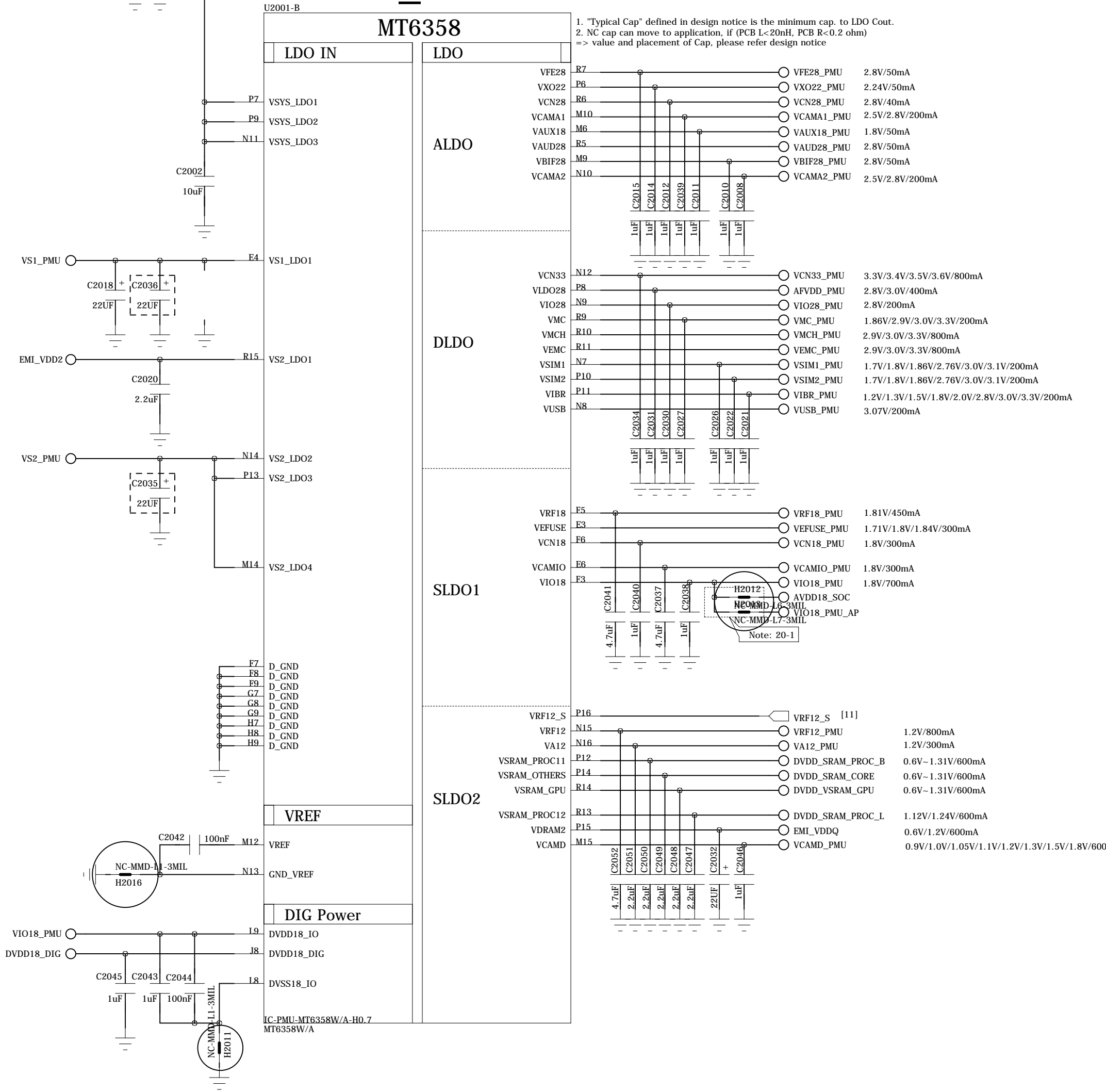


POWER\_MT6358\_I

PMU\_BUCK



PMU\_LDO

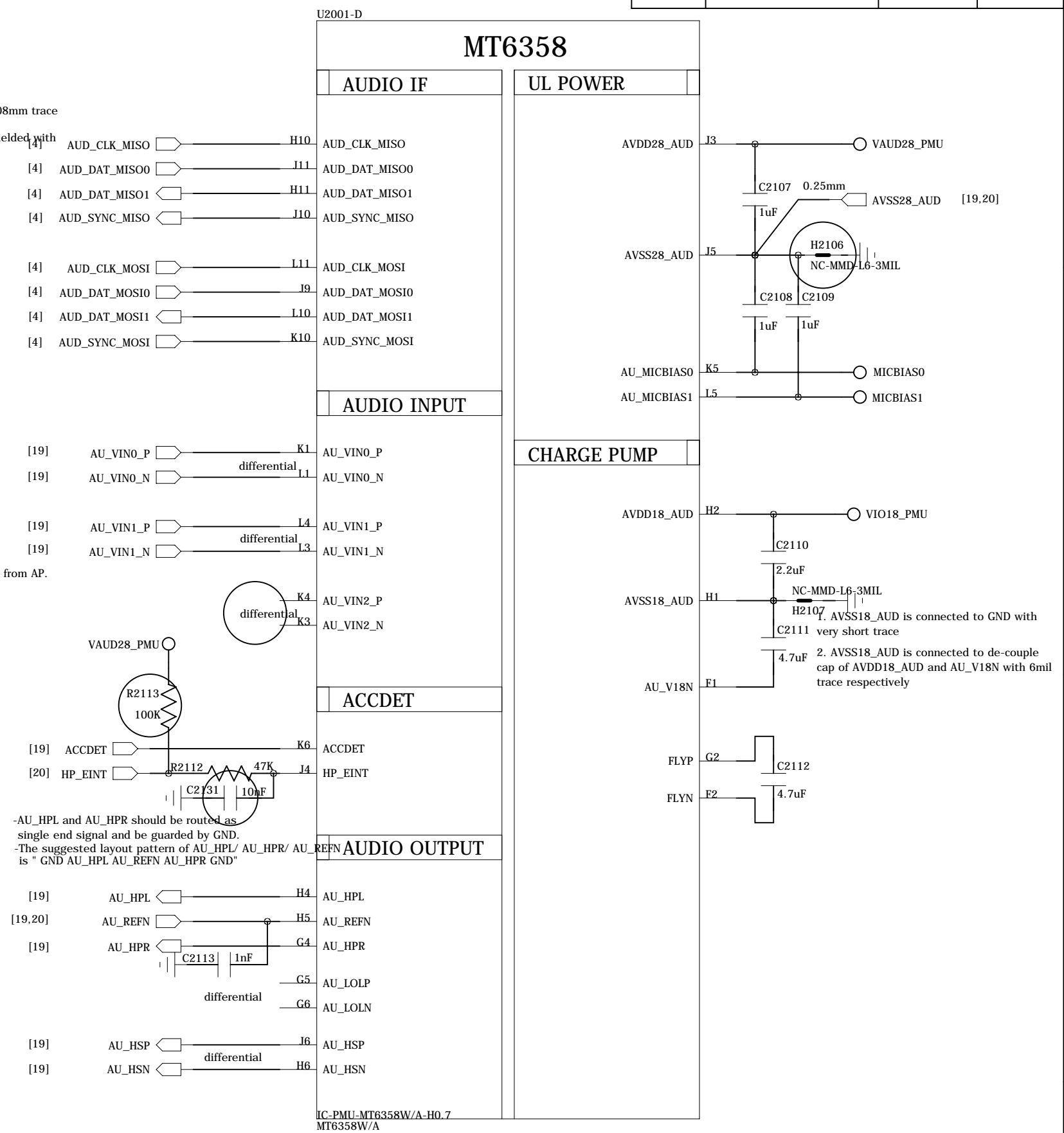


Schematic design notice of "21\_POWER\_MT6358-LDO" page.

Note 21-1: Please set H2012/H2013 close to C2038, making star connection between VIO18\_PMU and AVDD18\_SOC/VIO18\_PMU\_AP near to LDO cap. C2038  
Please also refer to MT6358 design notice for further detail design information

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 20_POWER_MT6358_I		VERSION: V1.0	SHEET: 7 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

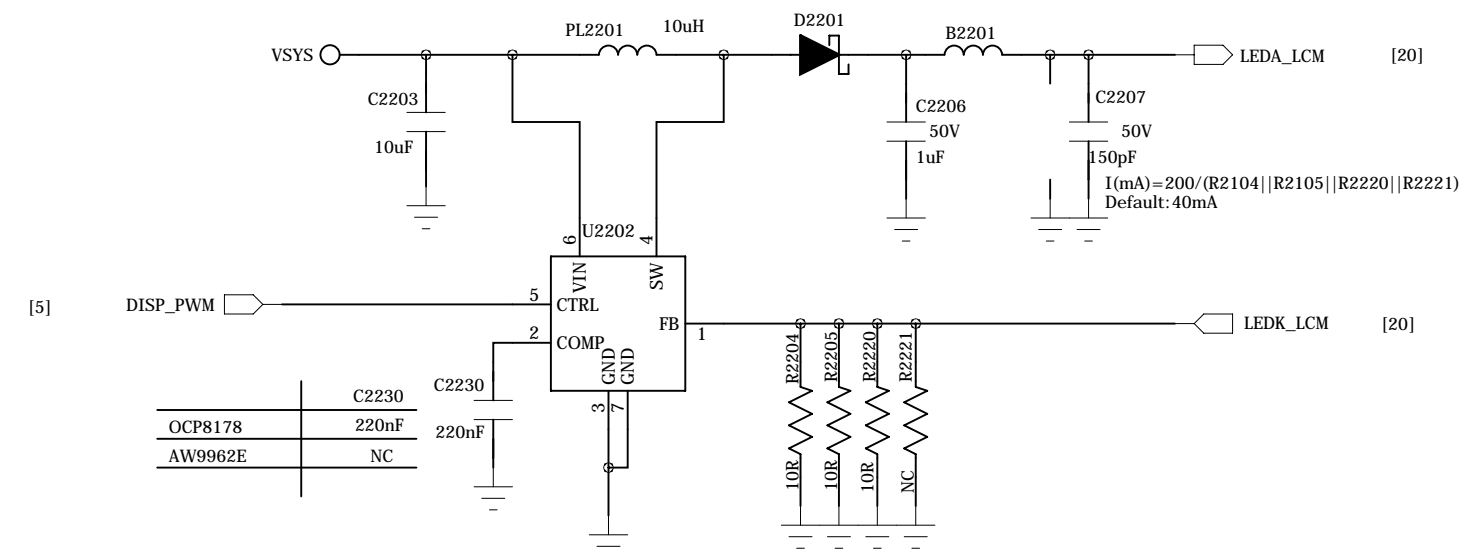
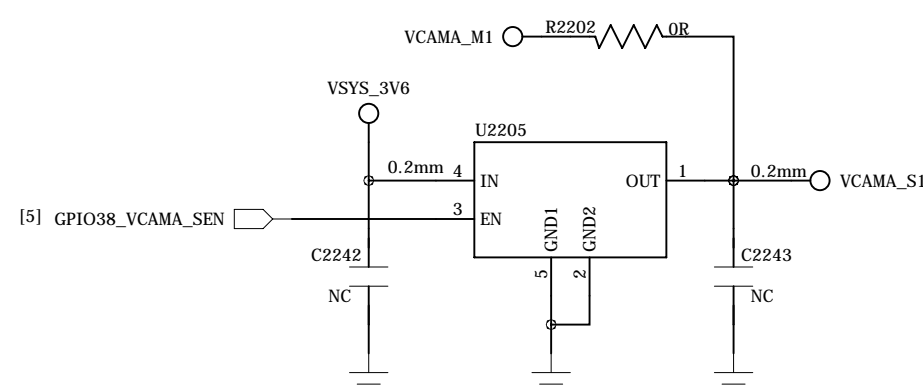
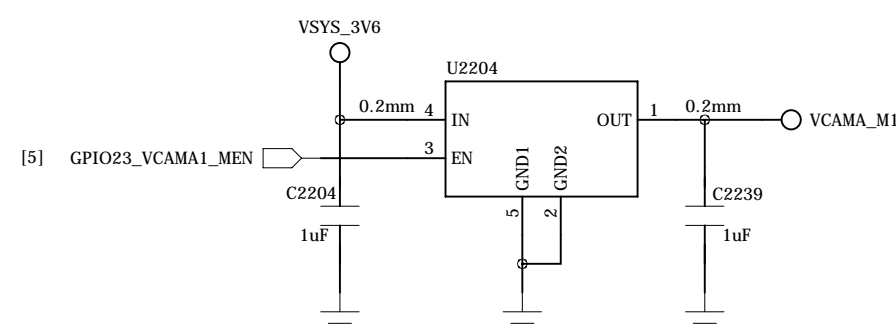
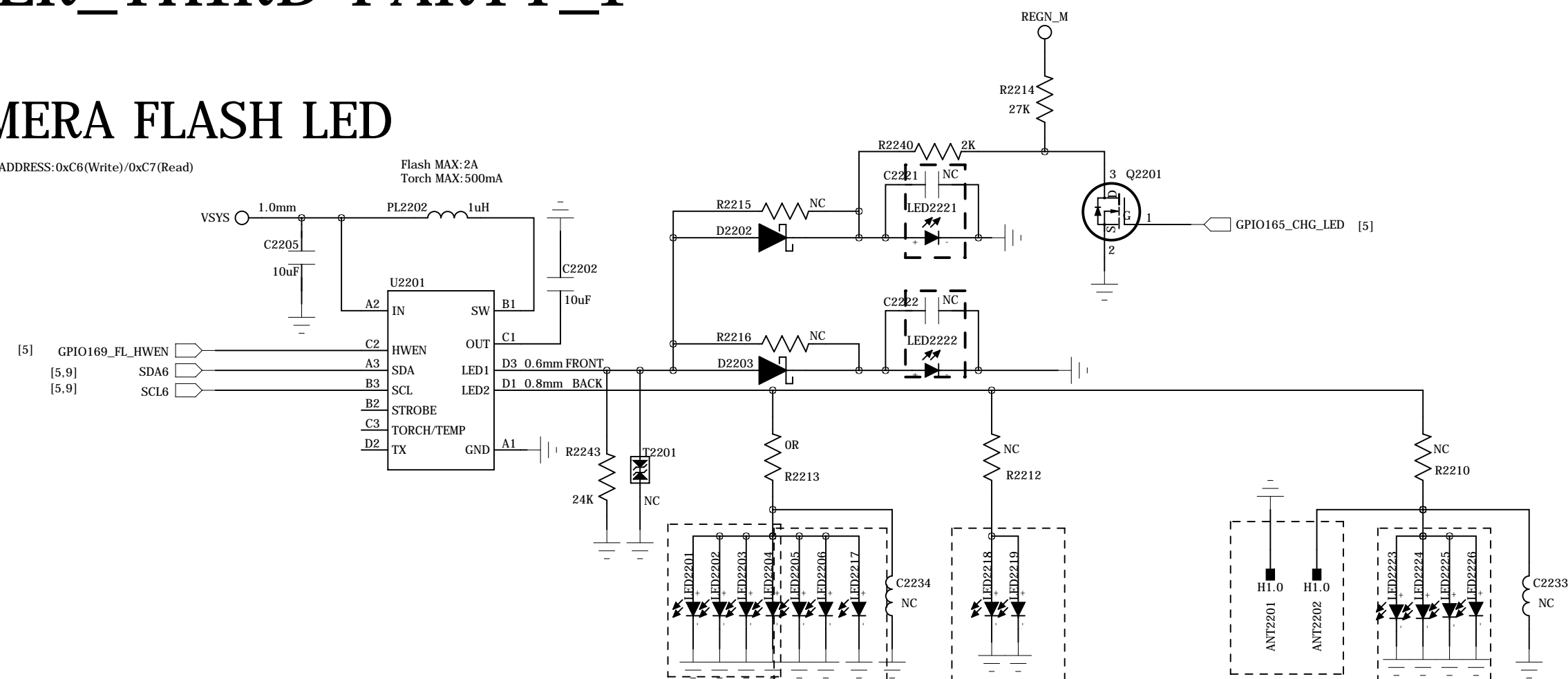
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LTR	ECO NO:	APPROVED:	DATE:

[illegible]

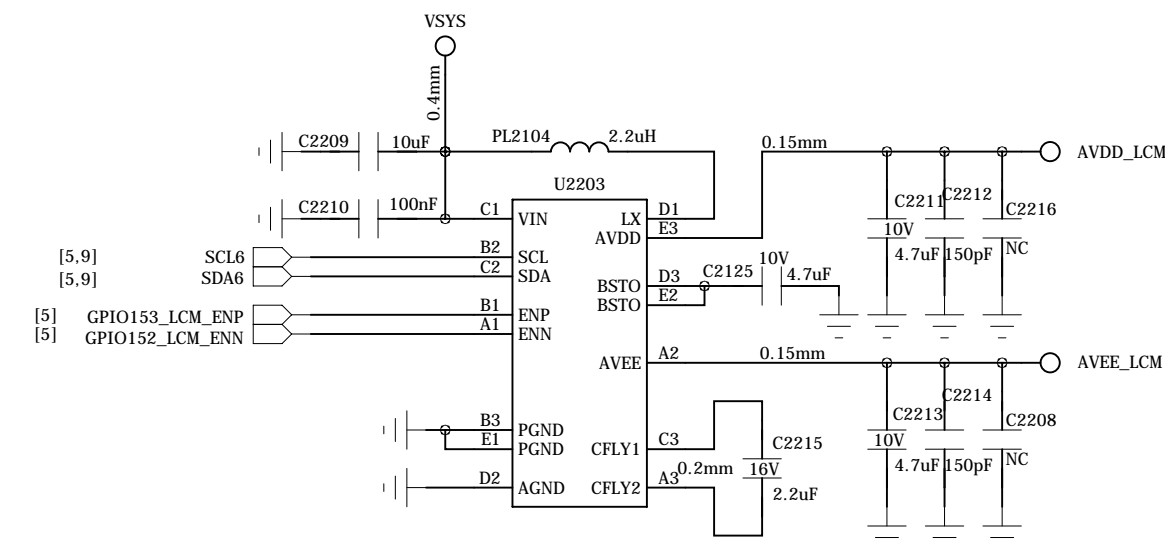
COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 21_POWER_MT6358_II		VERSION: V1.0	SHEET: 8 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

AW36515:I2C ADDRESS:0xC6(Write)/0xC7(Read)



NT50358ACG/J:I2C ADDRESS:0x7C(Write)/0x7D(Read)



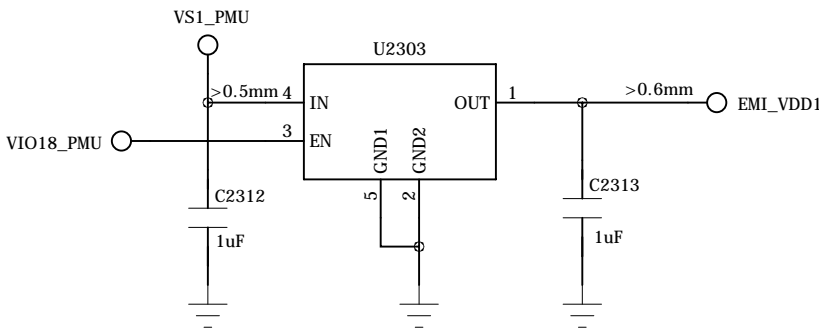
COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 22_POWER_THIRD-PARTY_I		VERSION: V1.0	SHEET: 9 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		



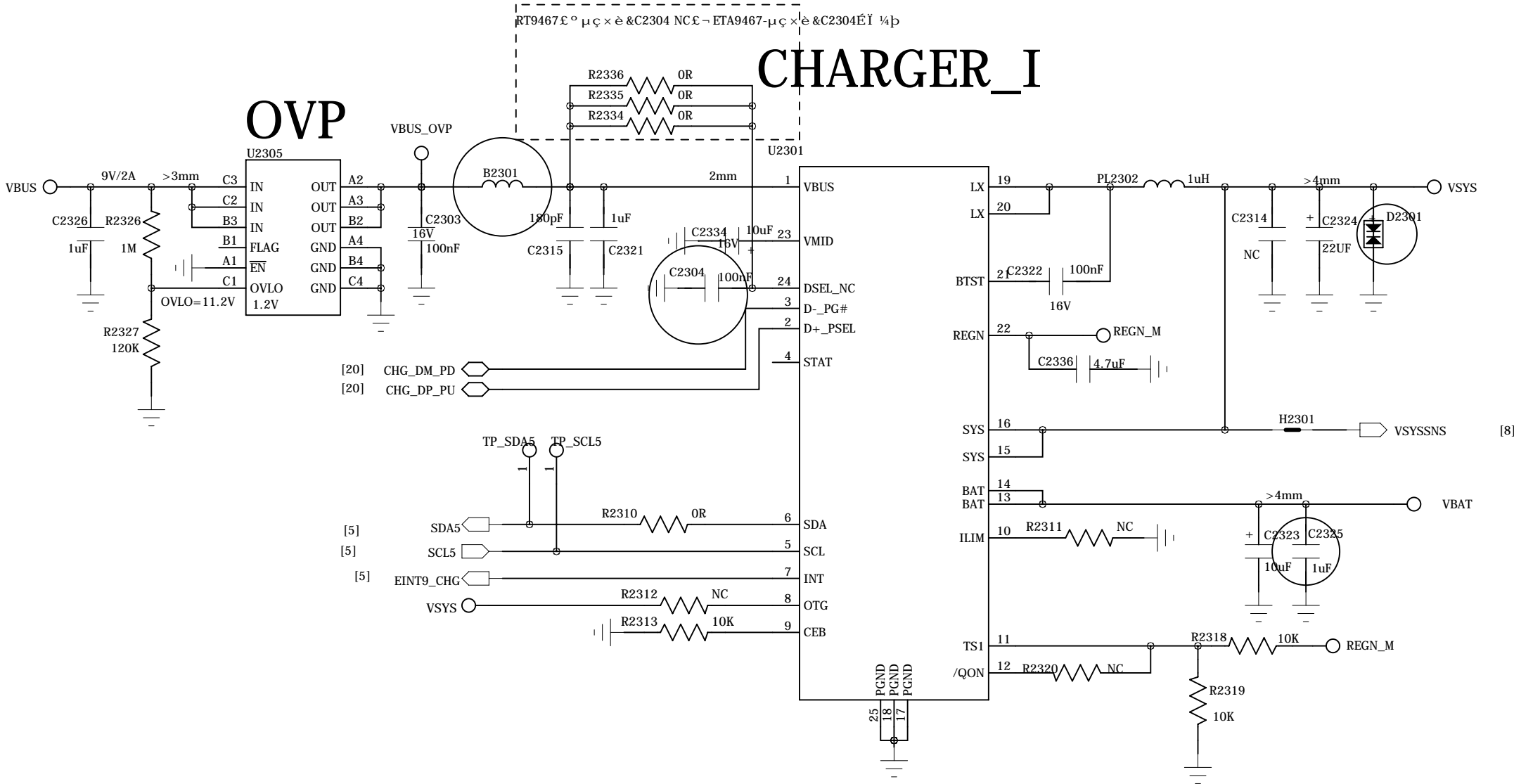
POWER\_THIRD-PARTY\_II

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

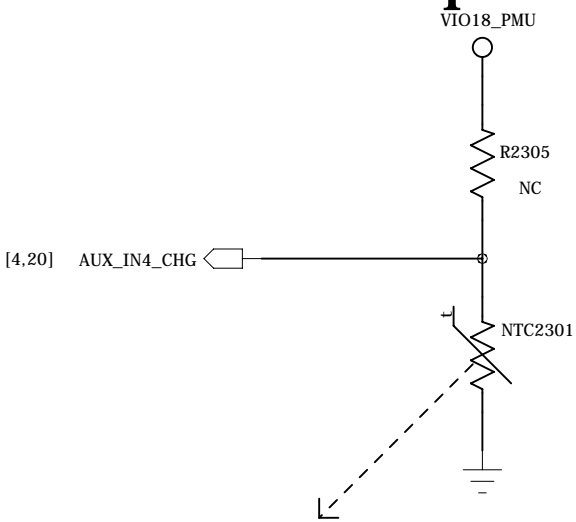
LPDDR4X VDD1 1.8V LDO



CHARGER\_I



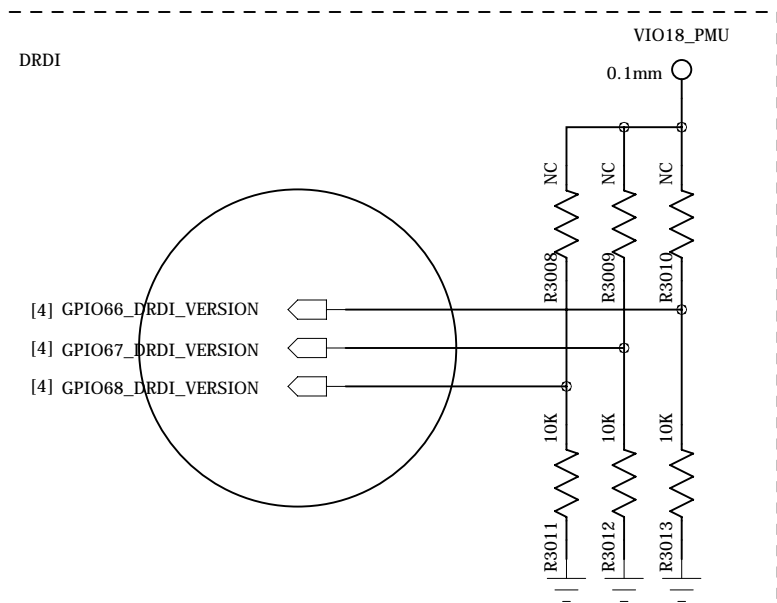
Thermistor to sense U2304 temperature



- 1. NTC2301 must keep a distance about 2 mm away from U2304 and far from other heat sources 10 mm at least.
- 2. The distance is the shortest distance from package edge to edge.

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 23_POWER_THIRD-PARTY_II		VERSION: V1.0	SHEET: 10 OF 27
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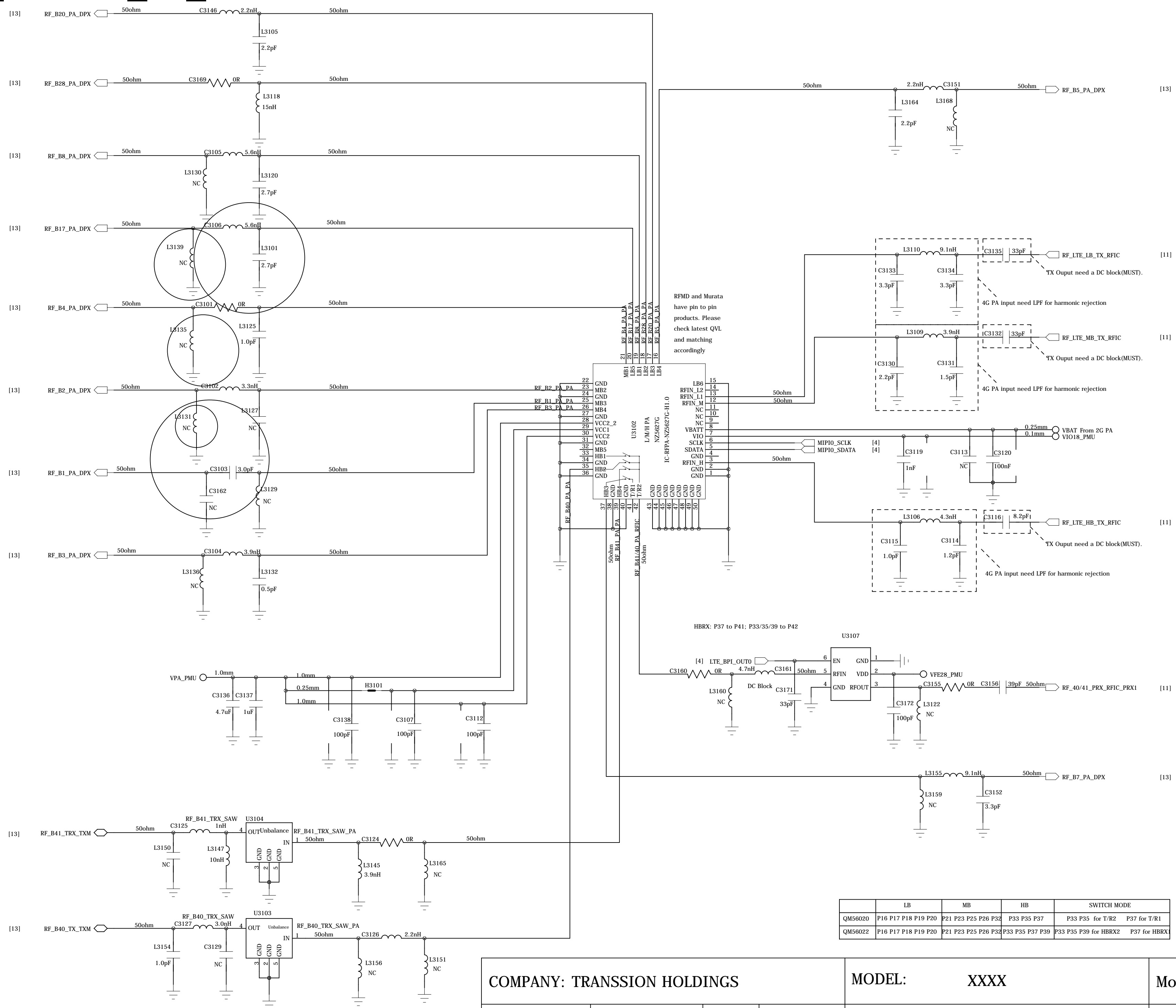
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 30_RF_MT6177M_PIN_OUT		VERSION: V1.0	SHEET: 11 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

RF\_MT6176\_RF\_TX

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

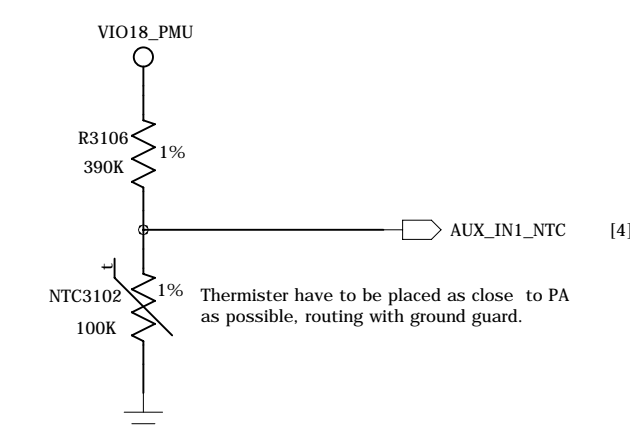


[13] 3/4G\_PAIN\_LB

[11] 3/4G\_PAIN\_MB

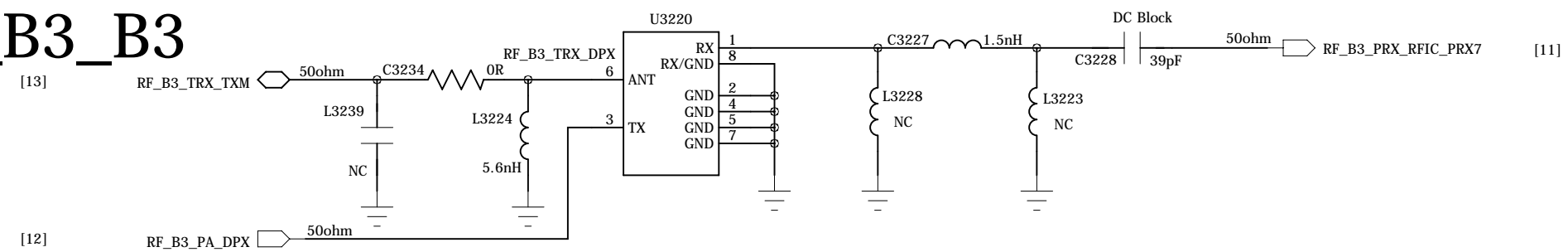
[11] 3/4G\_PAIN\_HB

Temp Sensor

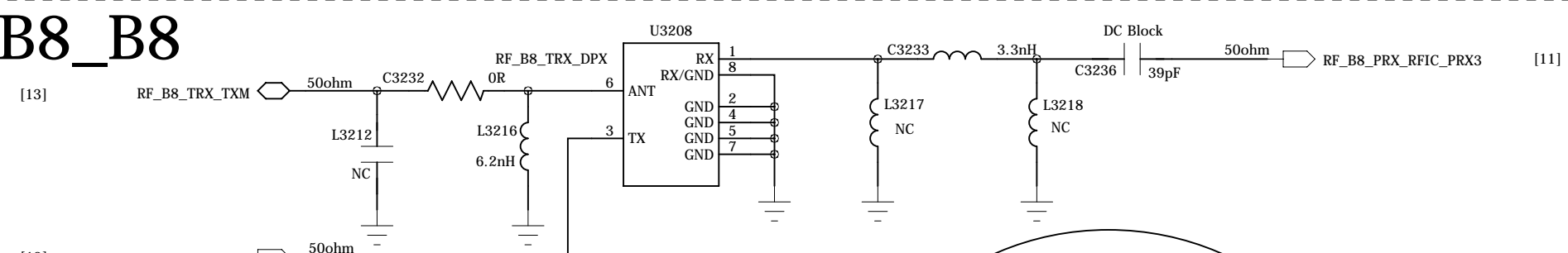


COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 31_RF_MT6177M_RF_TRX		VERSION: V1.0	SHEET: 12 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

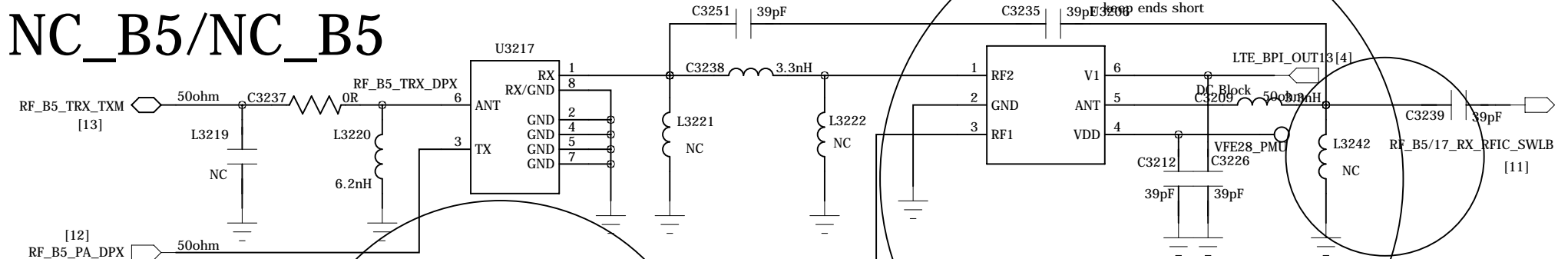
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



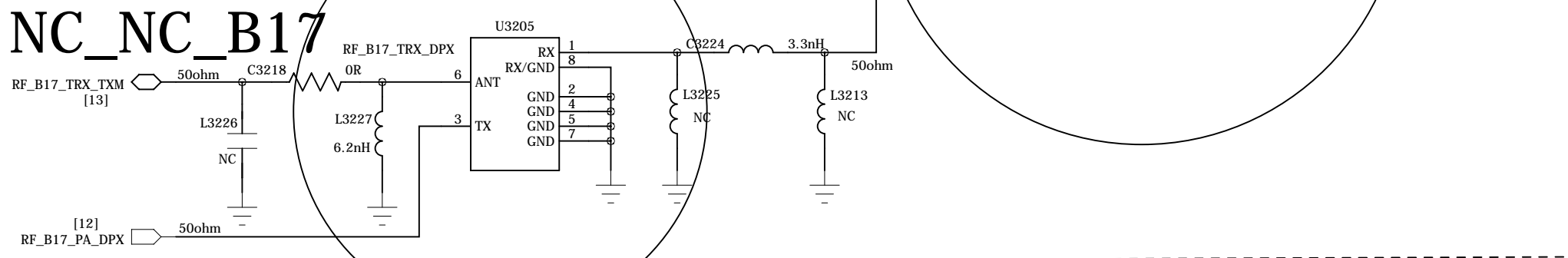
B8\_B8\_B8



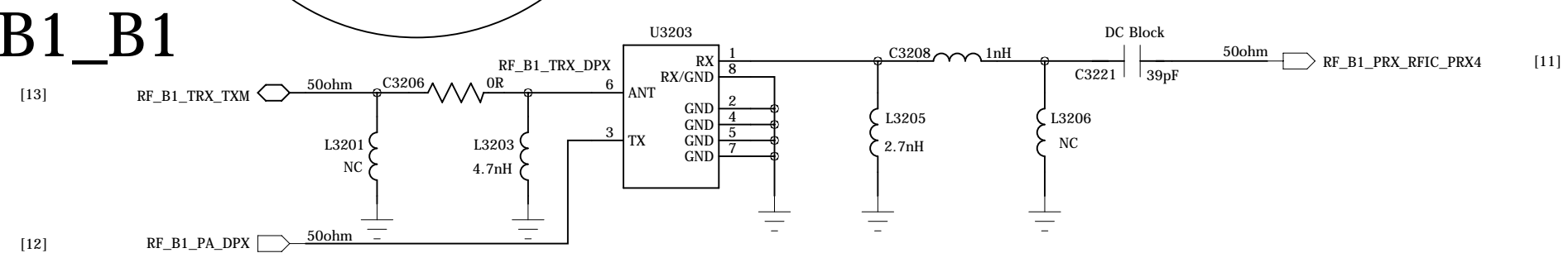
## NC\_B5/NC\_B5



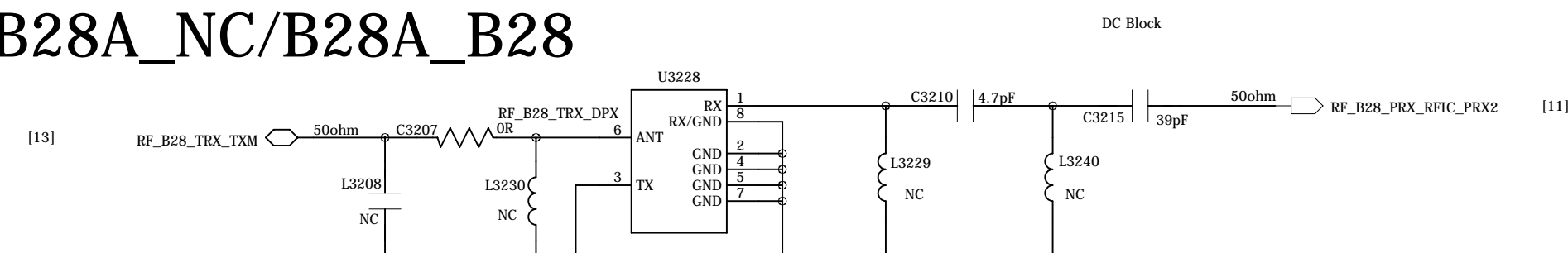
## NC\_NC\_B17



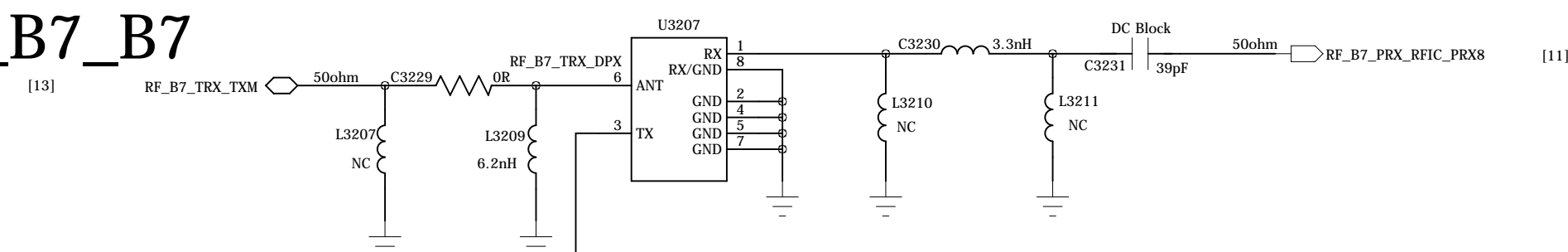
B1\_B1\_B1



## NC/B28A\_NC/B28A\_B28

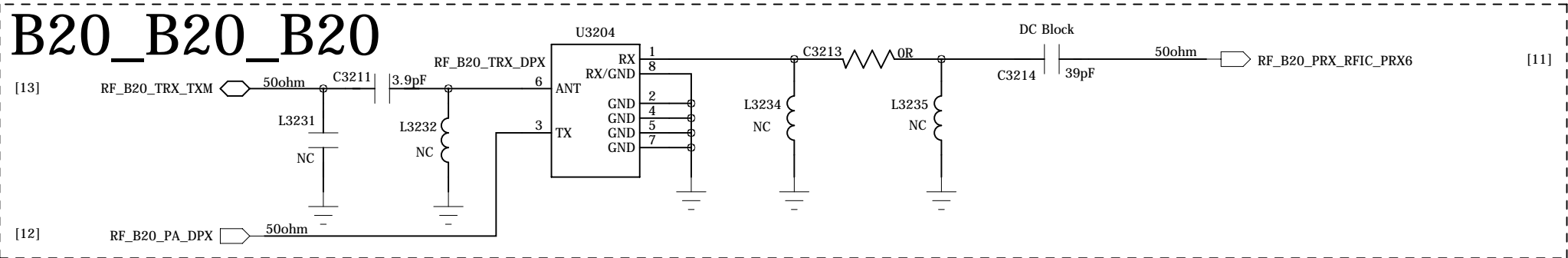


B7\_B7\_B7

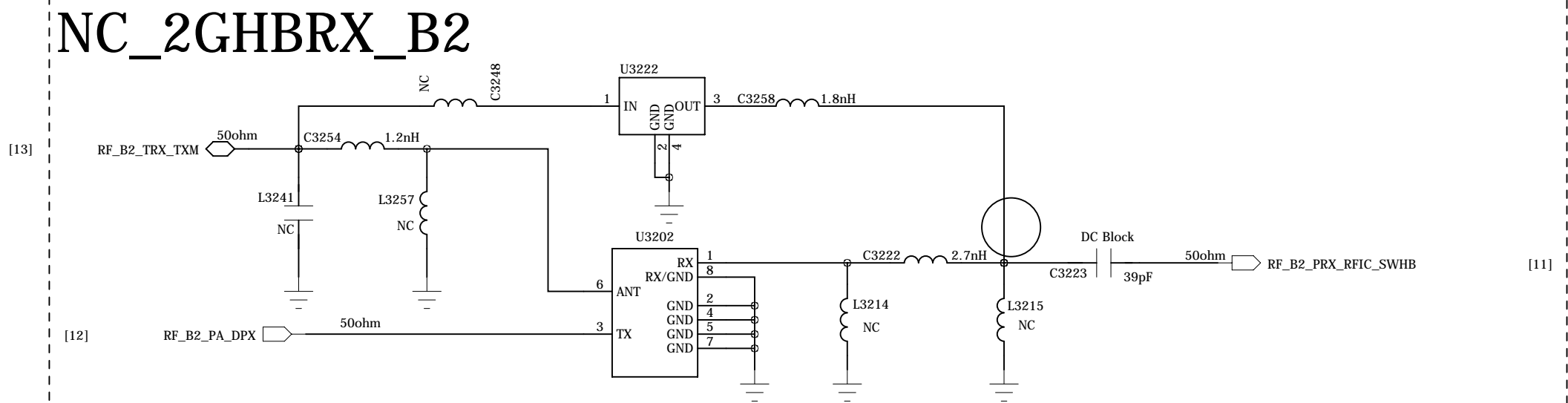


2G\_PAIN\_LB

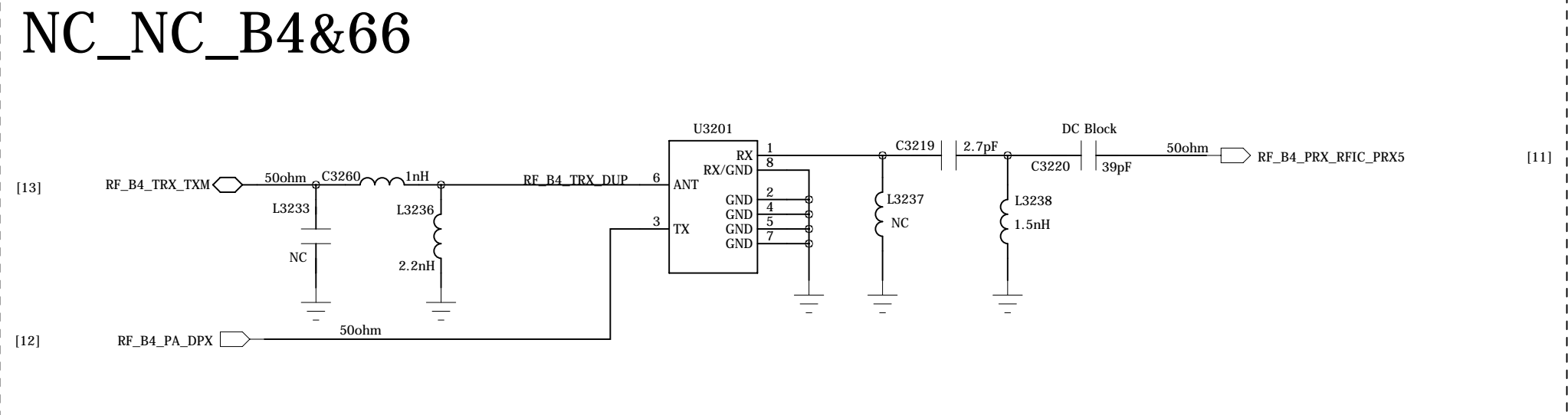
B20\_B20\_B20



NC\_2GHBRX\_B2



## NC\_NC\_B4&amp;66



COMPANY: TRANSSION HOLDINGS

MODEL: XXXX

Modified Date: 2021/12/15

DRAWN

ZY/DLA

DATED 2020/03/18

TITLE: 32 RF MT6177M RF PRX

CHECKED

<CHECKED>

DATED

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## Confidentiality

CONFIDENTIAL

VERSION: V1.0

SHEET: 13 OF 27

RF\_MT6177M\_RF\_DRX

REVISION RECORD

LTR	ECO NO:	APPROVED:	DATE:

Power

star connection from C3303 to each Pin

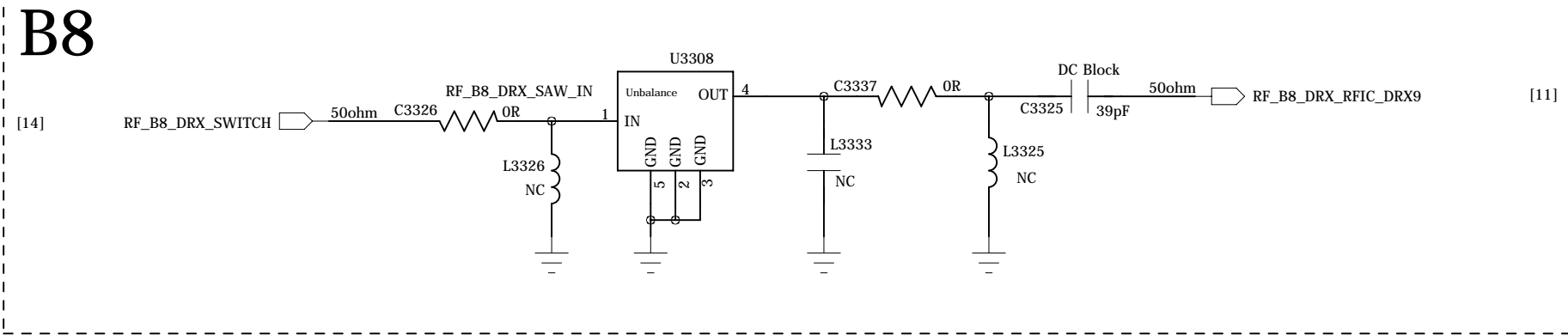
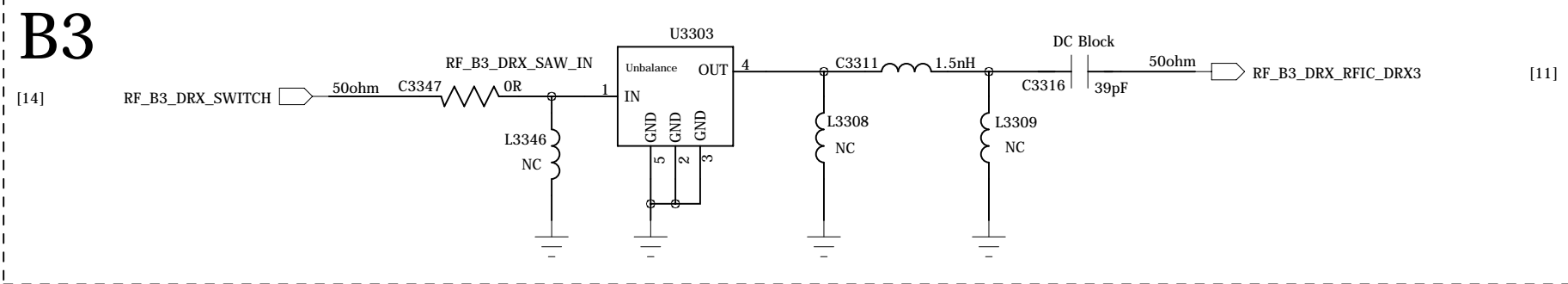
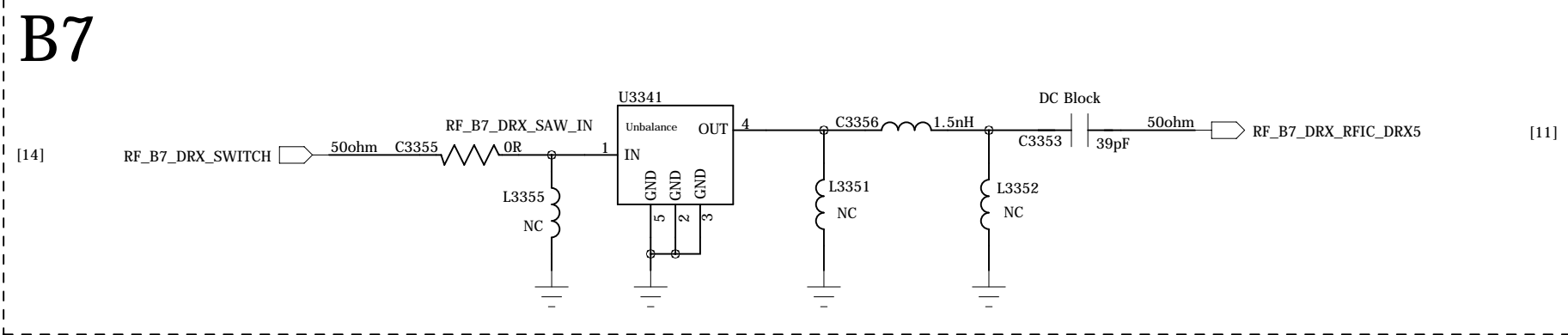
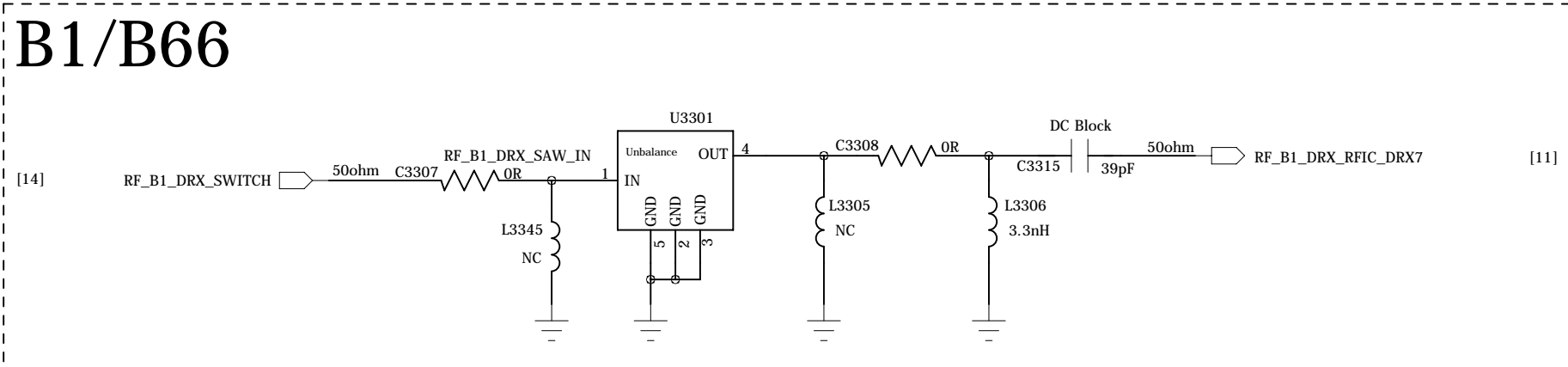
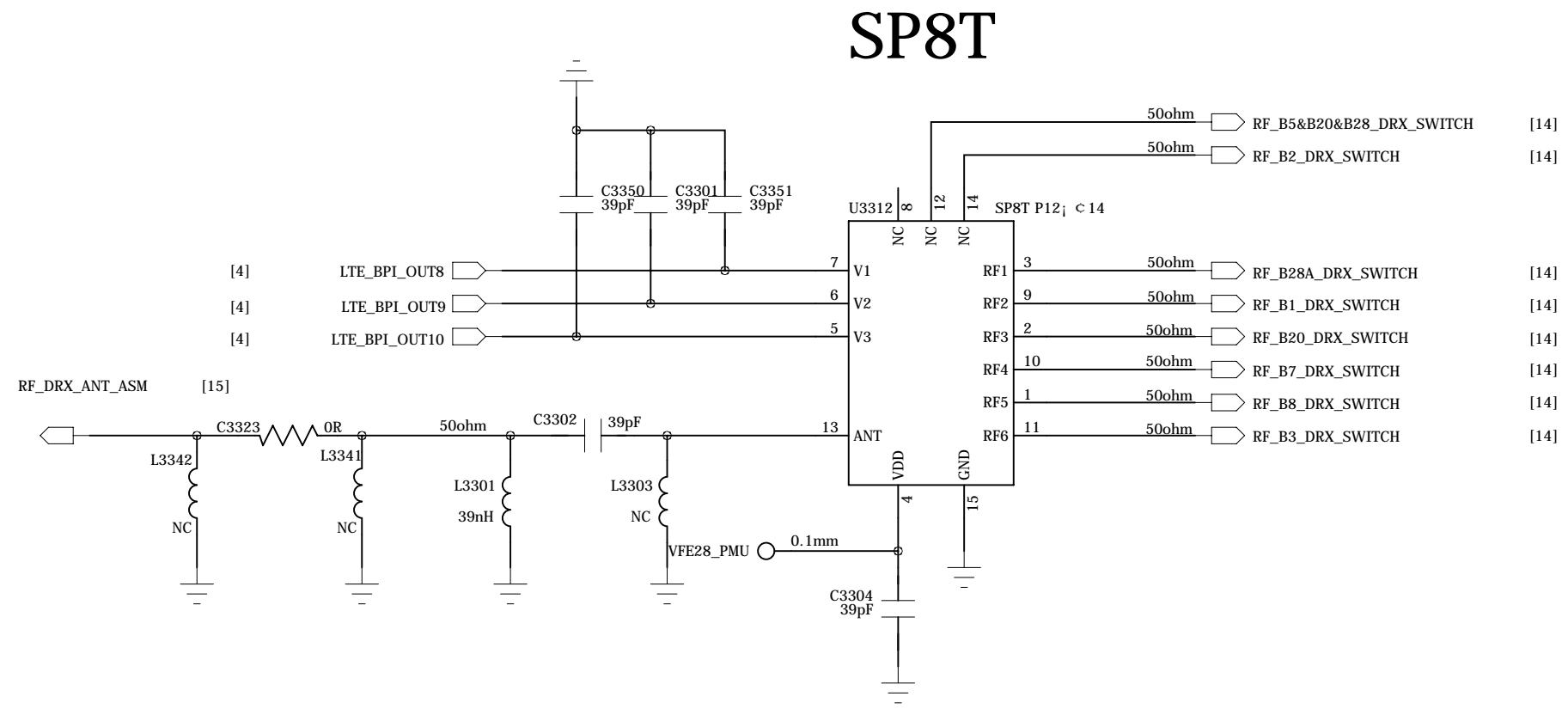
VFE28\_PMU

0.2mm

VFE28\_PMU

1uF

C3303

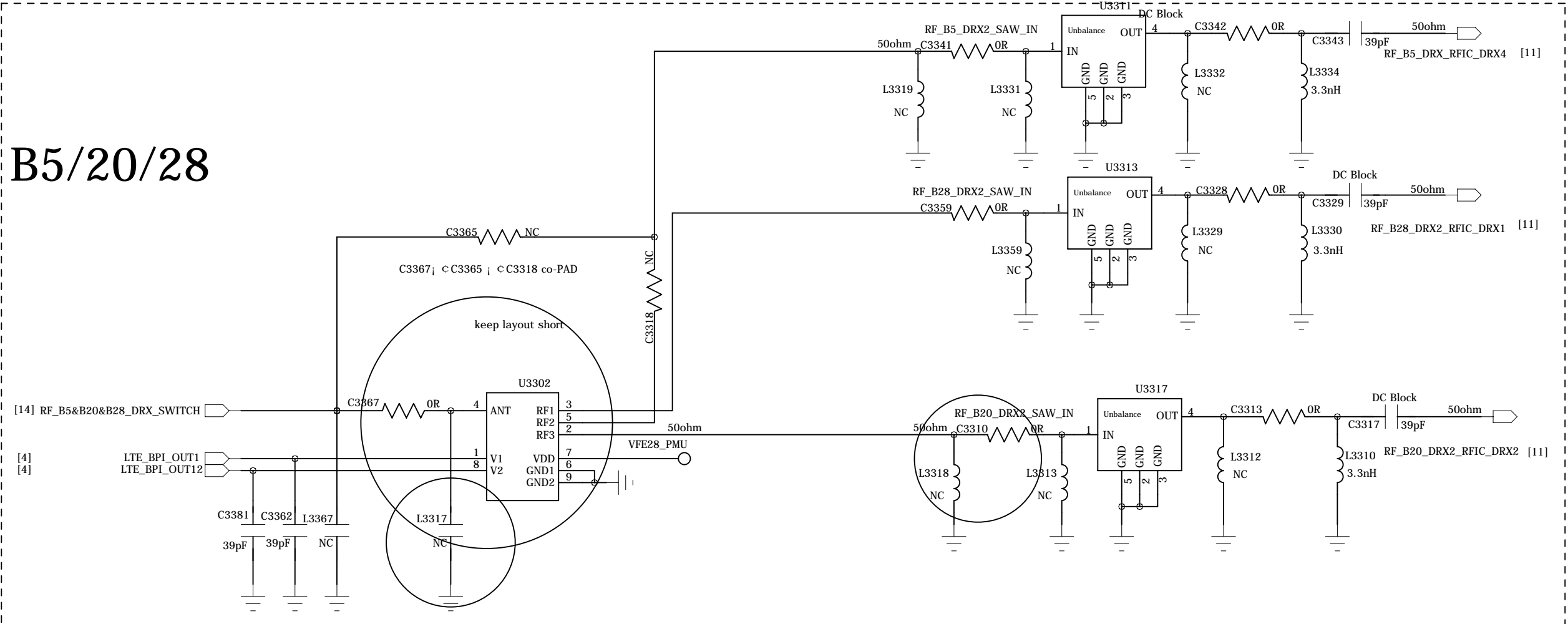


RF1-6						RF7-8	
B1	B3	B7	B8	B20	B28		
B1	B3		B8	B41	B40	B2	B5
B1/66	B3	B7	B8	B41	B40	B2	B5/20/28
B1/66	B3	B7	B8	B41	B17	B2	B5/20/28

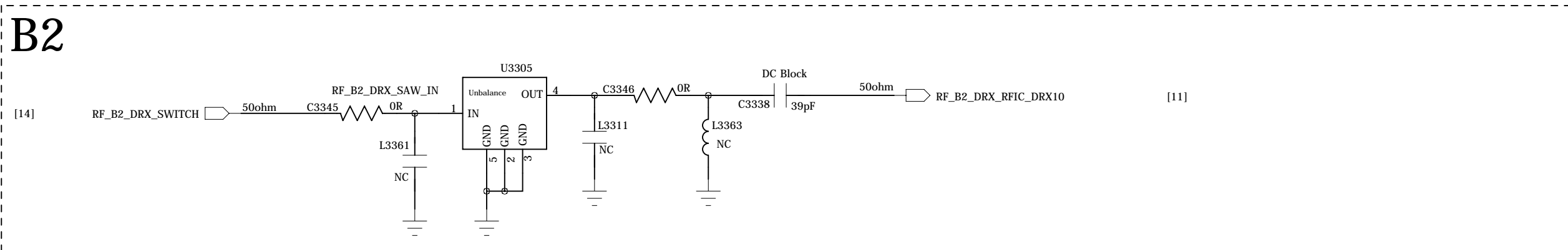
SP8T control logic										
SP6T control logic										
V1	V2	V3	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8
L	L	L	Y	N	N	N	N	N	N	N
L	L	H	N	Y	N	N	N	N	N	N
L	H	L	N	N	Y	N	N	N	N	N
L	H	H	N	N	N	Y	N	N	N	N
H	L	L	N	N	N	N	Y	N	N	N
H	L	H	N	N	N	N	N	Y	N	N
H	H	L	N	N	N	N	N	N	Y	N
H	H	H	N	N	N	N	N	N	N	Y

VC1613 control logic				
VC1	VC2	RF1	RF2	RF3
H	L	Y	N	N
H	H	N	Y	N
N	H	N	N	Y

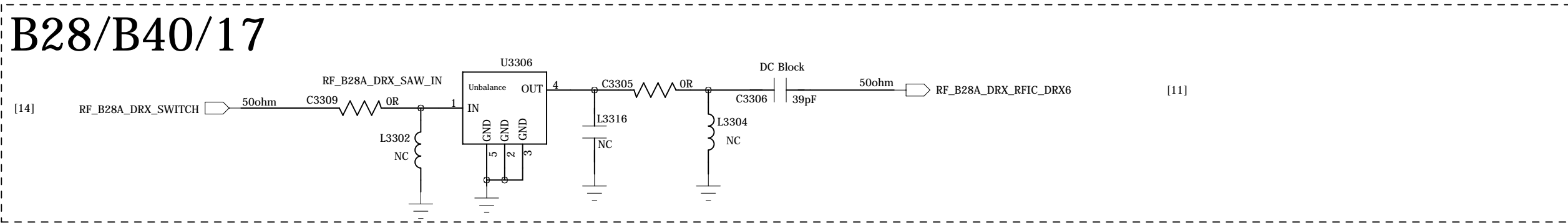
B5/20/28



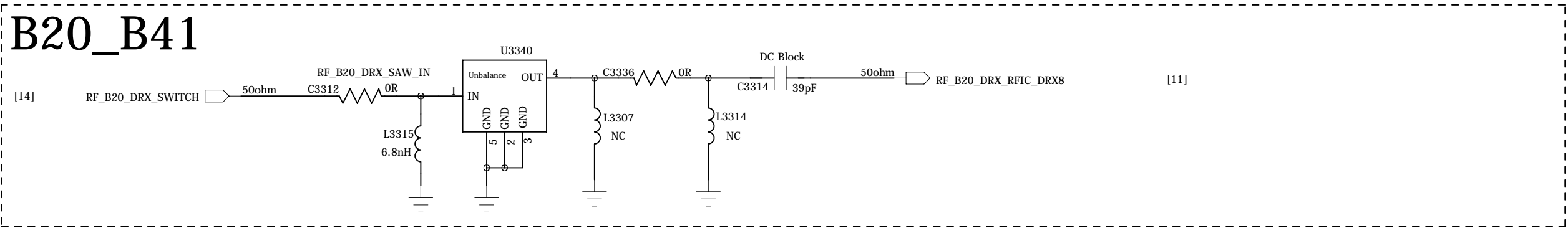
B2



B28/B40/17



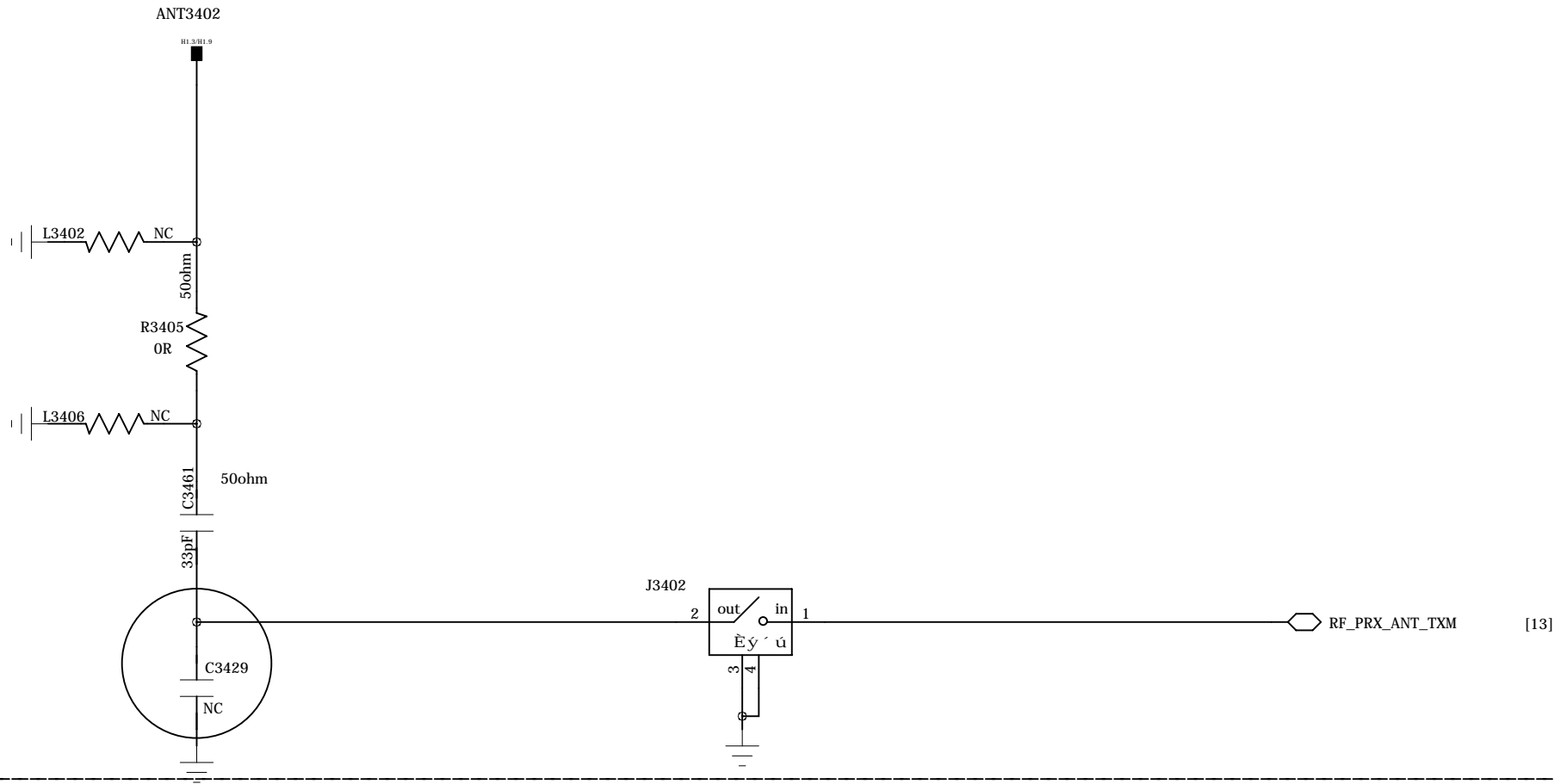
B20\_B41



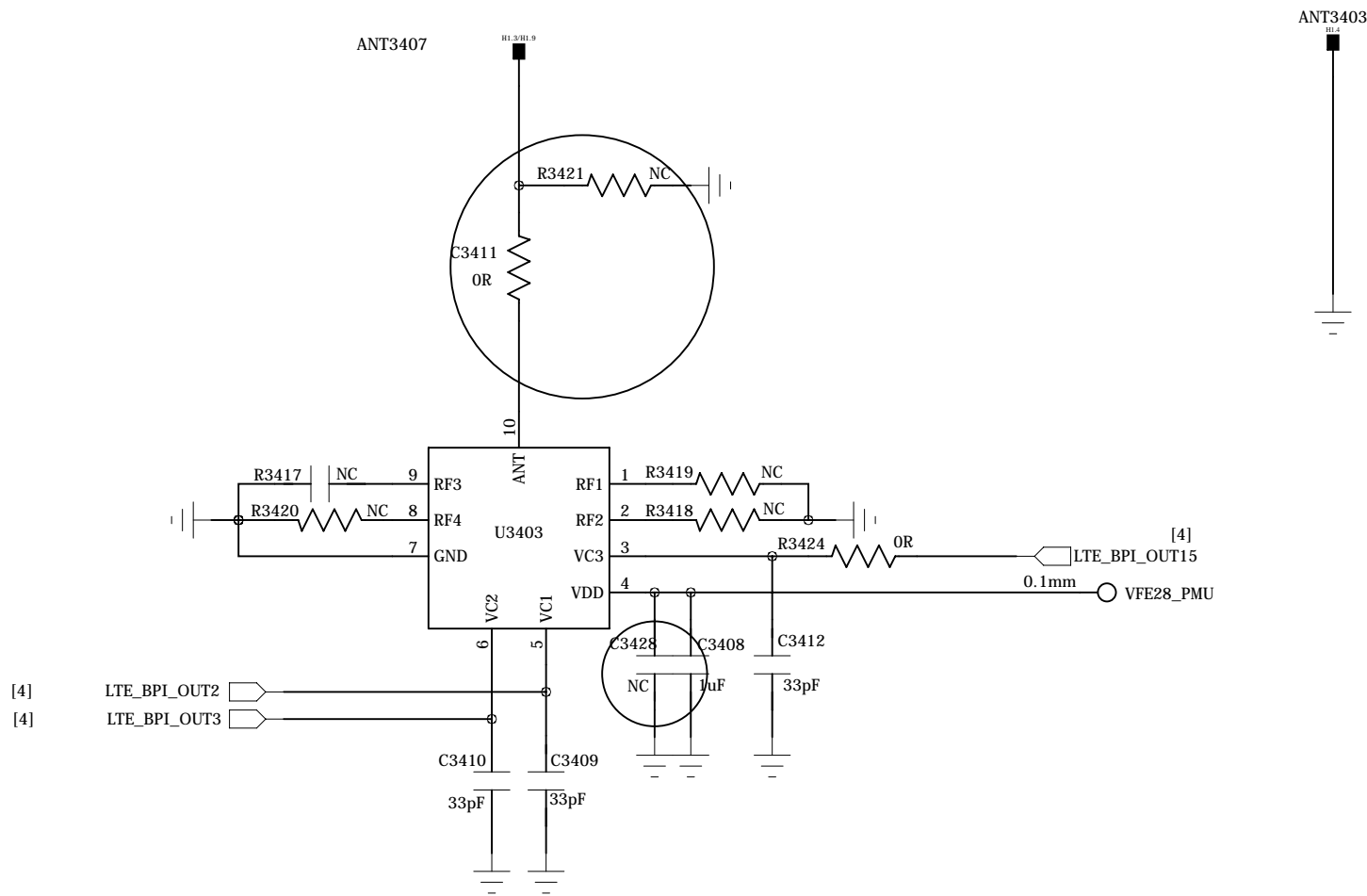
RF\_MT6177M\_RF\_ANT

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

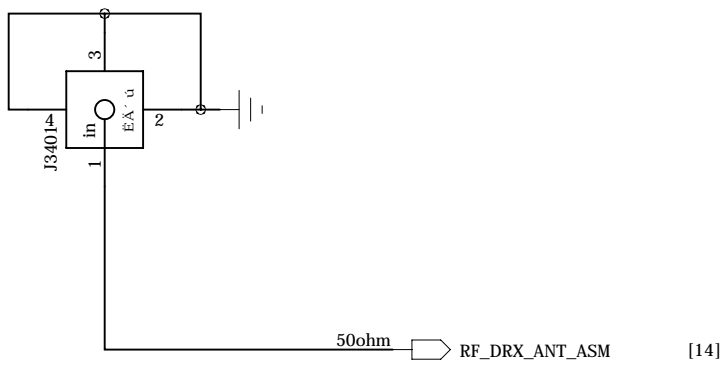
ASM\_Main  
791~960MHz + 1710~2690MHz



ANT switch



DRX ANT  
791~821MHz      1805~2690MHz



RF1119A & RF1694 control logic					
VC1	VC2	RF1	RF2	RF3	RF4
L	L	Y	N	N	N
L	H	N	Y	N	N
H	L	N	N	Y	N
H	H	N	N	N	Y

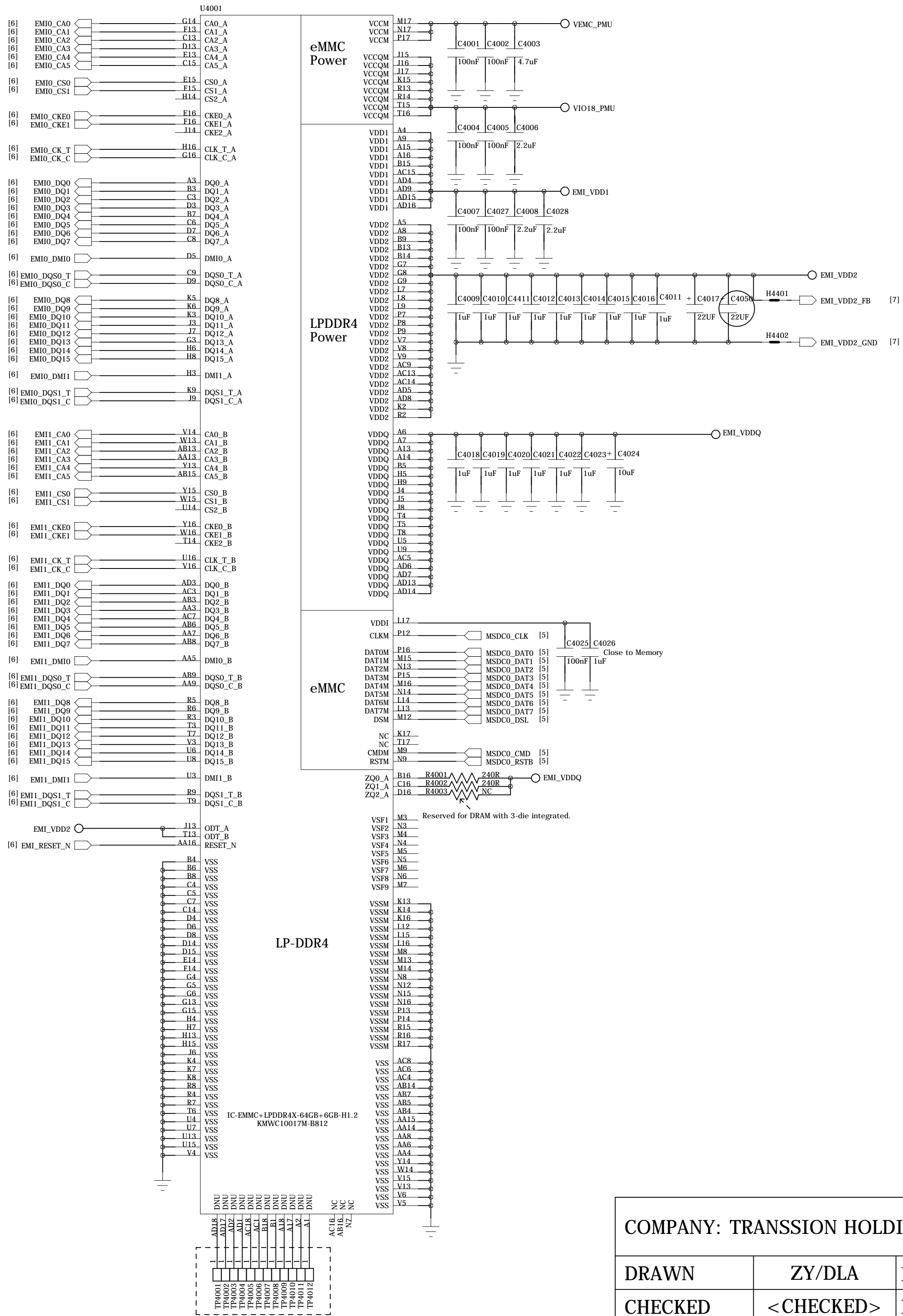
DPDT

C3405,C3407,C3403,C3406,R3406,R3416,R3417,U3401,U3404			R3412,R3415
Without DPDT			With Material
DPDT			Without Material

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 34_RF_ANT_CONTROLLER		VERSION: V1.0	SHEET: 15 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

# MEMORY eMCP LPDDR4X

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



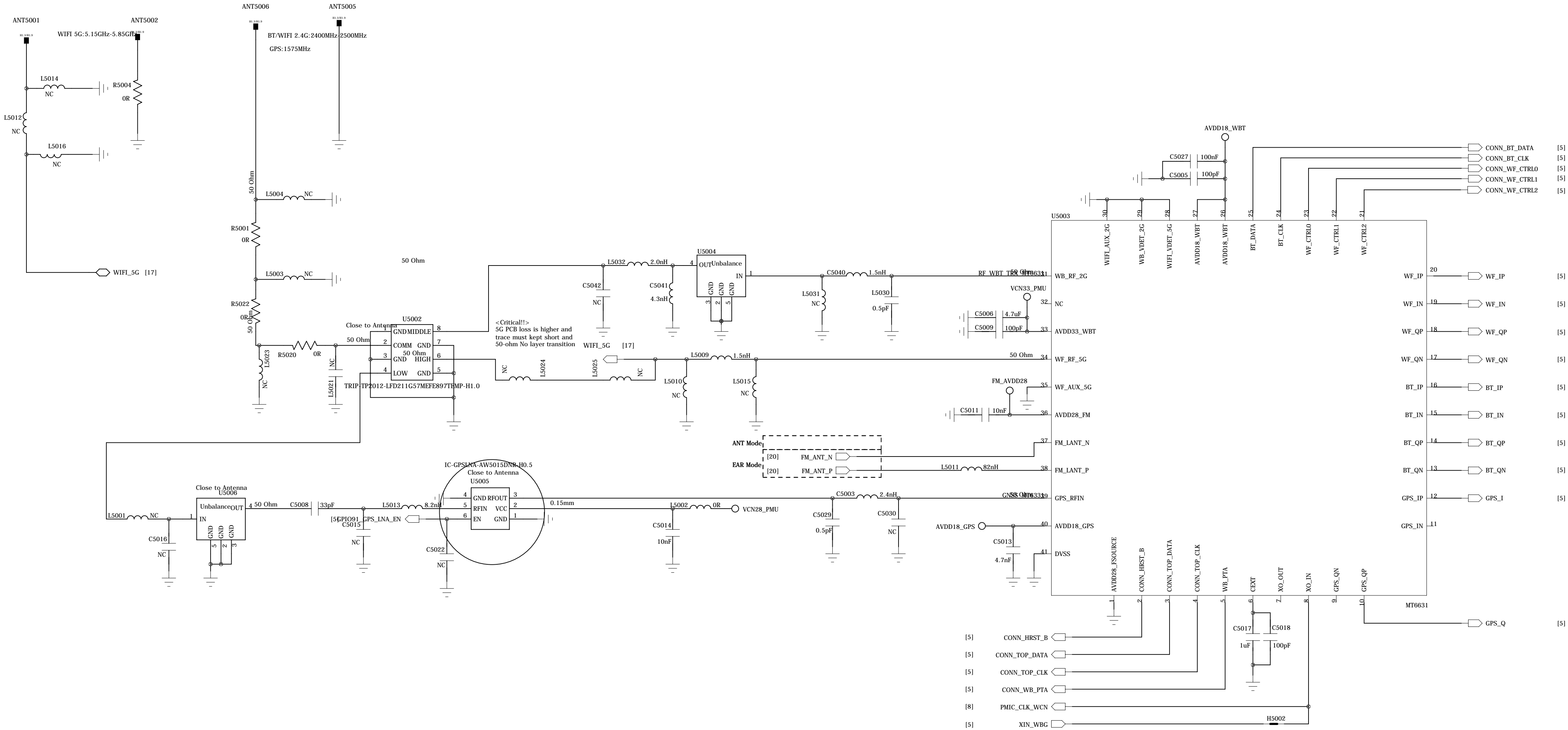
# CONNECTIVITY\_MT6631

BT/WIFI 2.4G:2400MHz-2500MHz

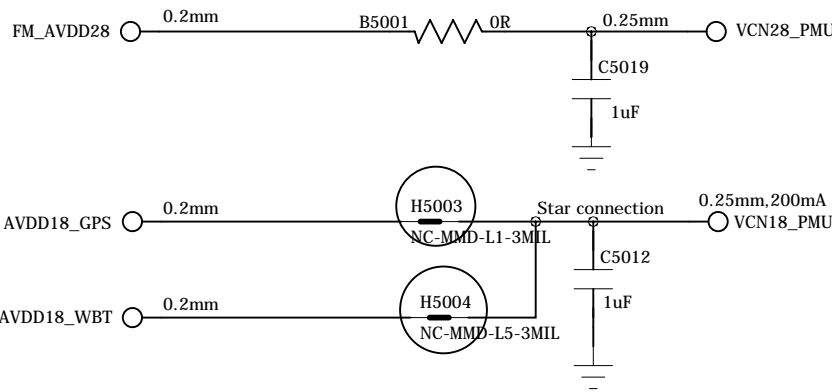
WIFI 5G:5.15GHz-5.85GHz

GPS:1575MHz

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



## Power domain

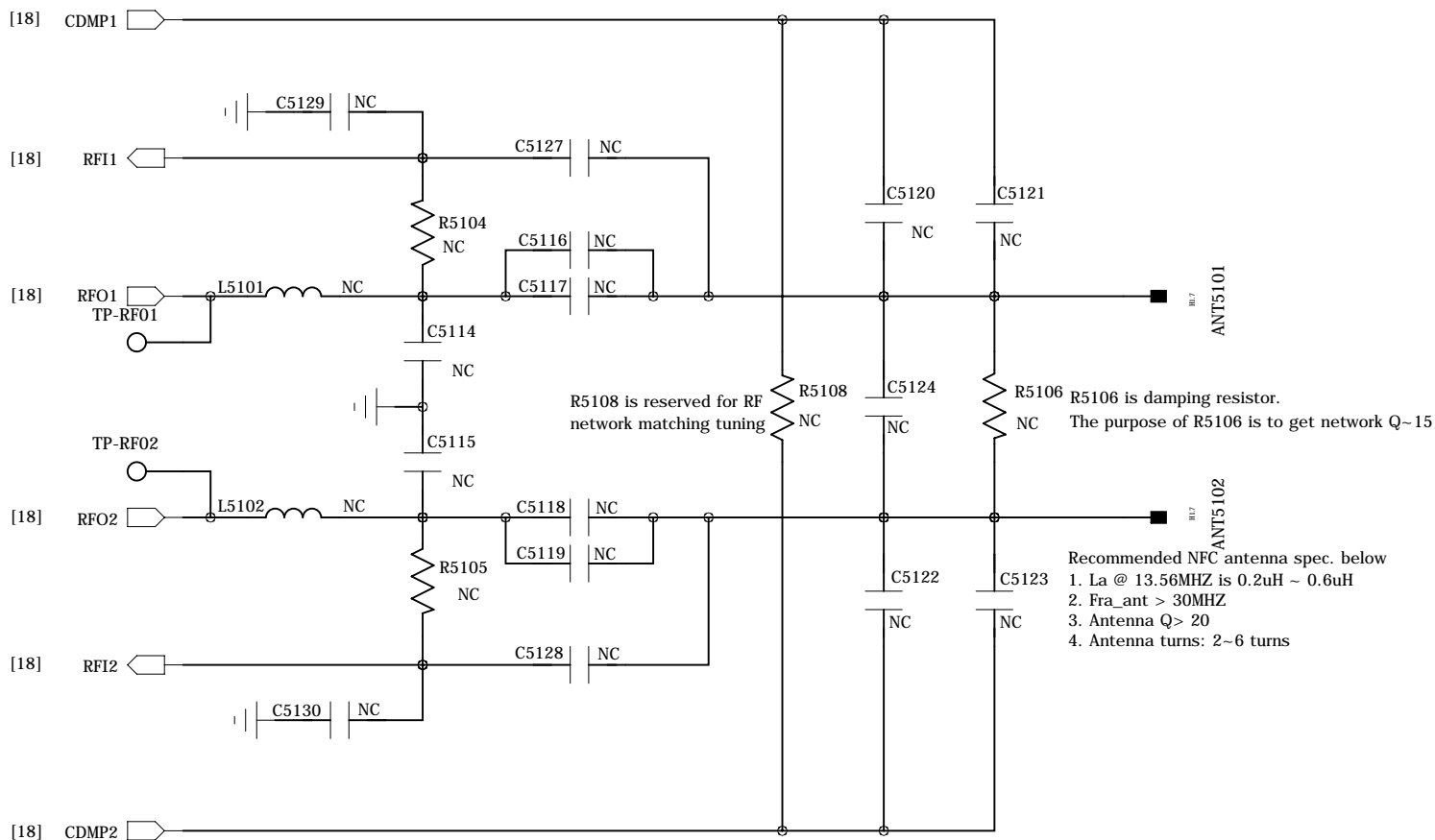
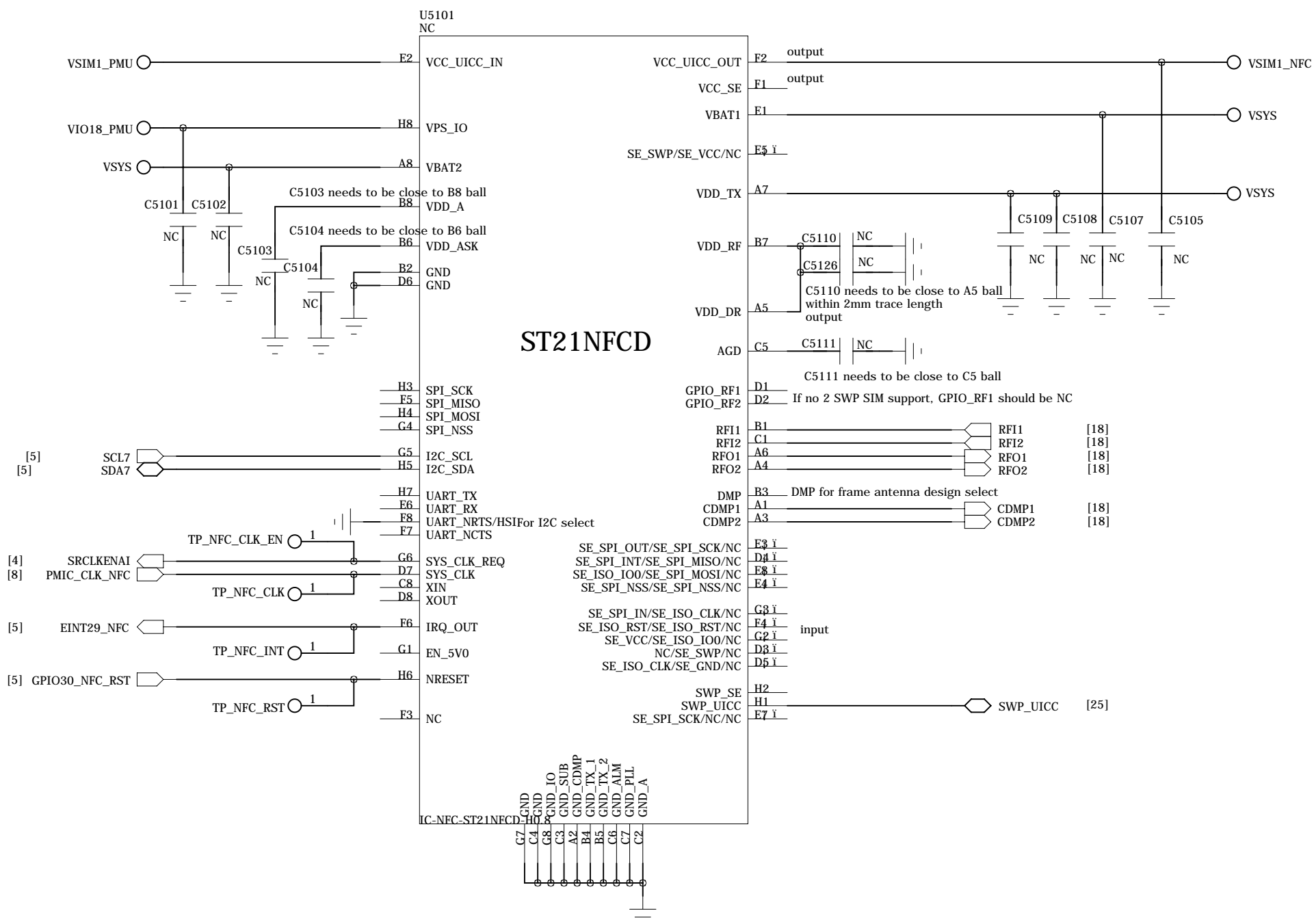


COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 50_CONNECTIVITY_MT6631		VERSION: V1.0	SHEET: 17 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		



CONNECTIVITY\_NFC

LTR	ECO NO:	APPROVED:	DATE:



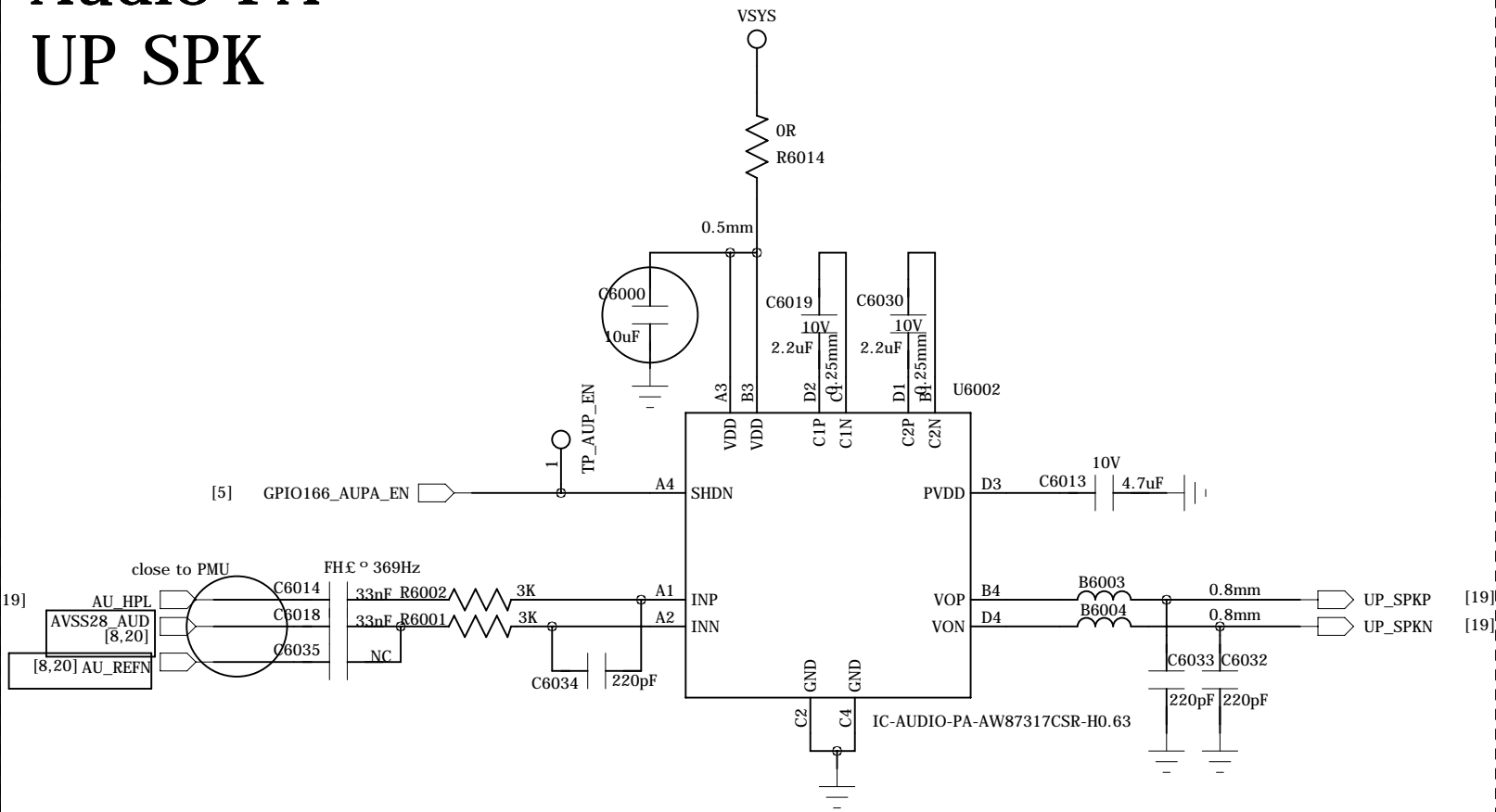
SE ball name definition for ST54F, ST54H, ST21NFCD, respectively

Ball	ST21NFCD	ST54F	ST54H
D3	NC	SE_SWP	NC
D4	NC	SE_SPI_MISO	SE_SPI_INT
D5	NC	SE_GND	SE_ISO_CLK
E3	NC	SE_SPI_SCK	SE_SPI_OUT(MISO)
E4	NC	SE_SPI_NSS	SE_SPI_NSS
E5	NC	SE_VCC	SE_SWP
E7	NC	NC	SE_SPI_SCK
E8	NC	SE_SPI_MOSI	SE_ISO_IO0
F4	NC	SE_ISO_RST	SE_ISO_RST
G2	NC	SE_ISO_IO0	SE_VCC
G3	NC	SE_ISO_CLK	SE_SPI_IN(MOSI)

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 51_CONNECTIVITY_NFC		VERSION: V1.0	SHEET: 18 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

PERI\_AUDIO\_IO

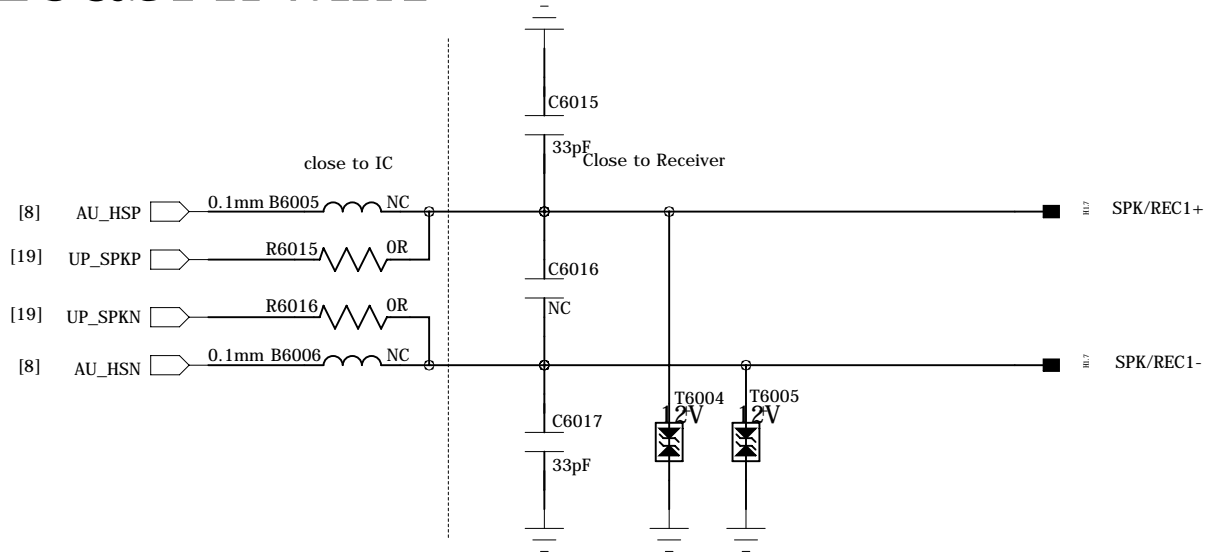
Audio PA  
UP SPK



SUB MIC

	C6031	C6037
AVSS28_AUD	0R	NC
GND	NC	0R

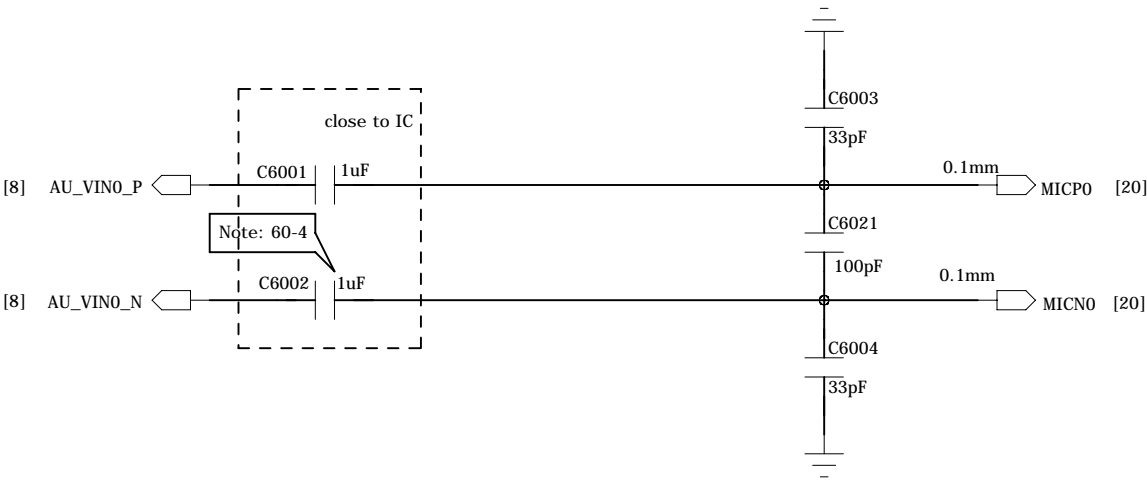
REC&SPK 2in1



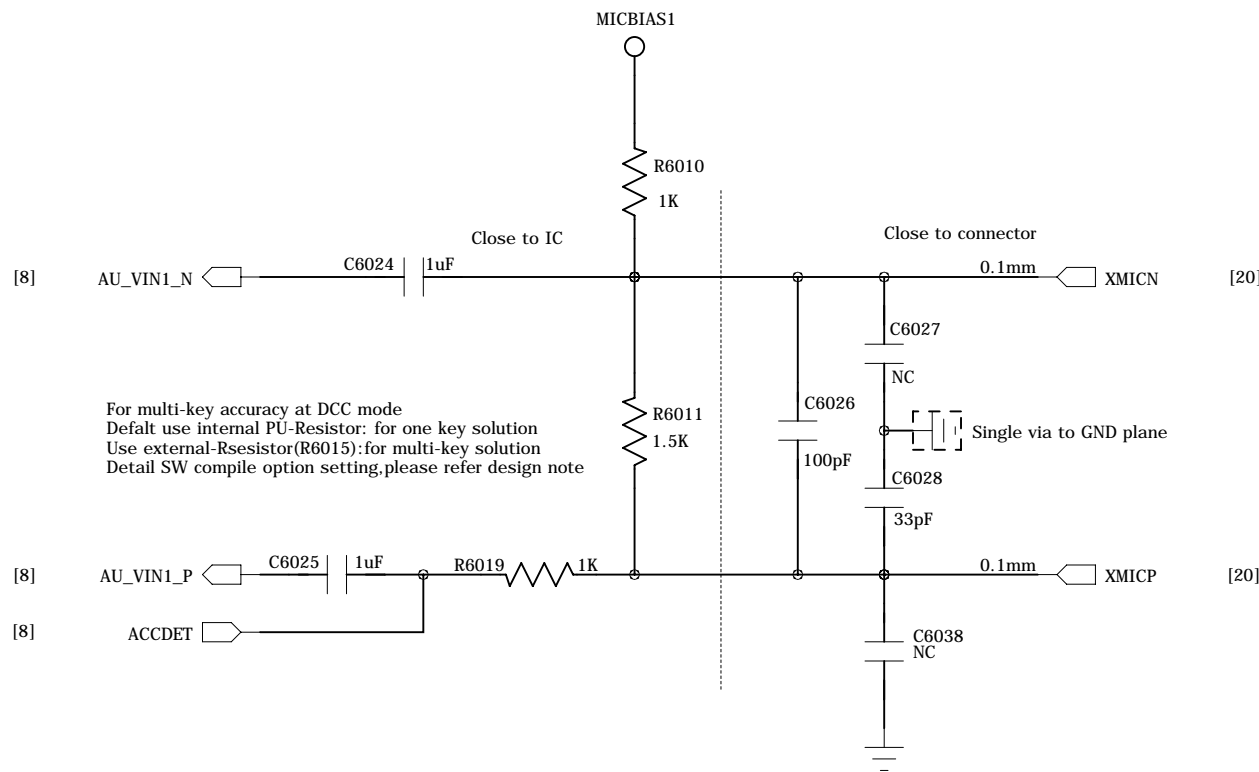
Audio PA DOWN

» » μ½Đi ° à

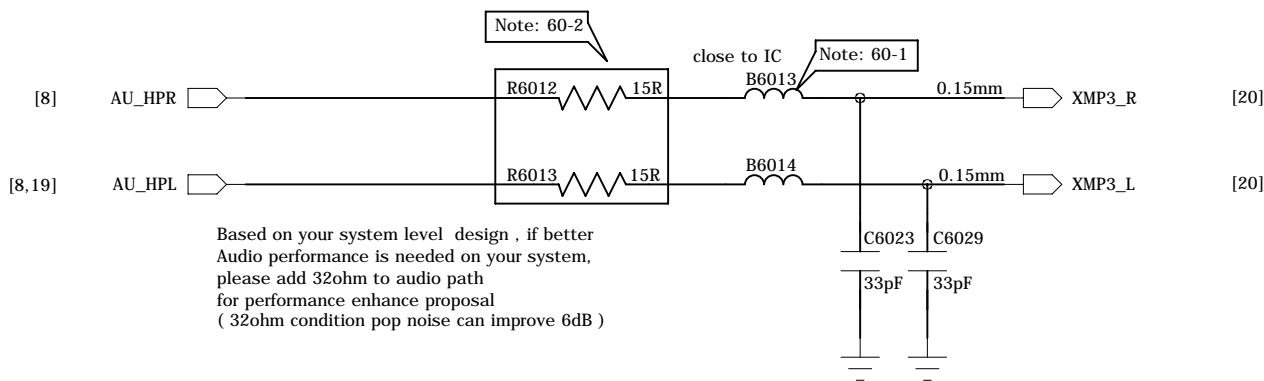
MAIN MIC



Earphone MICPHONE



Earphone Receiver



Schematic design notice of "60_PERI_AUDIO_IO" page.			
Note 60-1: B6009 B6010 B6013 B6014 needs change to "BLM18BD102SN1" for high THD performance(-90dB), but this BOM change will result in FM RSSI 10dB degraded.			
Note 60-2: To reserve a resistor in HPL and HPR in series connection both in order to optimize headphone pop noise. The recommended value of this resistor is 33R.			
Note 60-3: Layout trace from MT6353 ball J3 AUDREFN to Audio jack GND must surround shield with GND.			
Note 60-4: 0.1/1uF for ACC mode(1uF for WB_AMR Speech/0.1uF for NB_AMR Speech),0R for DCC mode.			

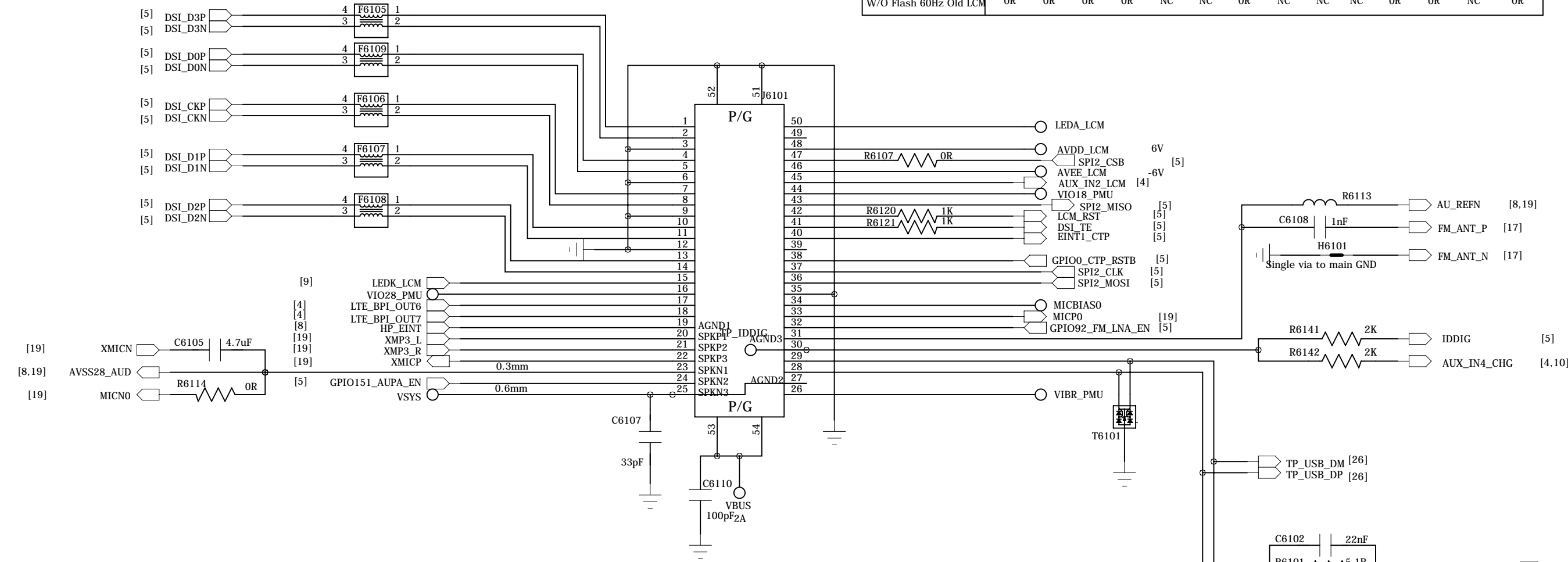
COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 60_PERI_AUDIO		VERSION: V1.0	SHEET: 19 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

PERI\_LCM\_CTP\_FP

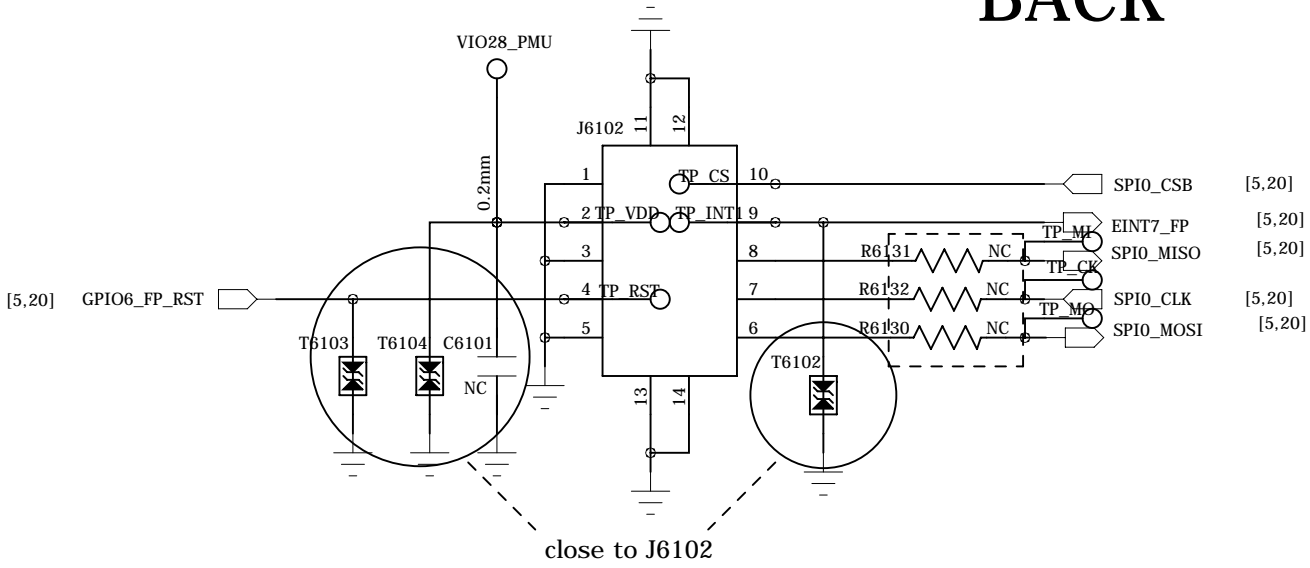
LCD\_CTP\_INTERFACE

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

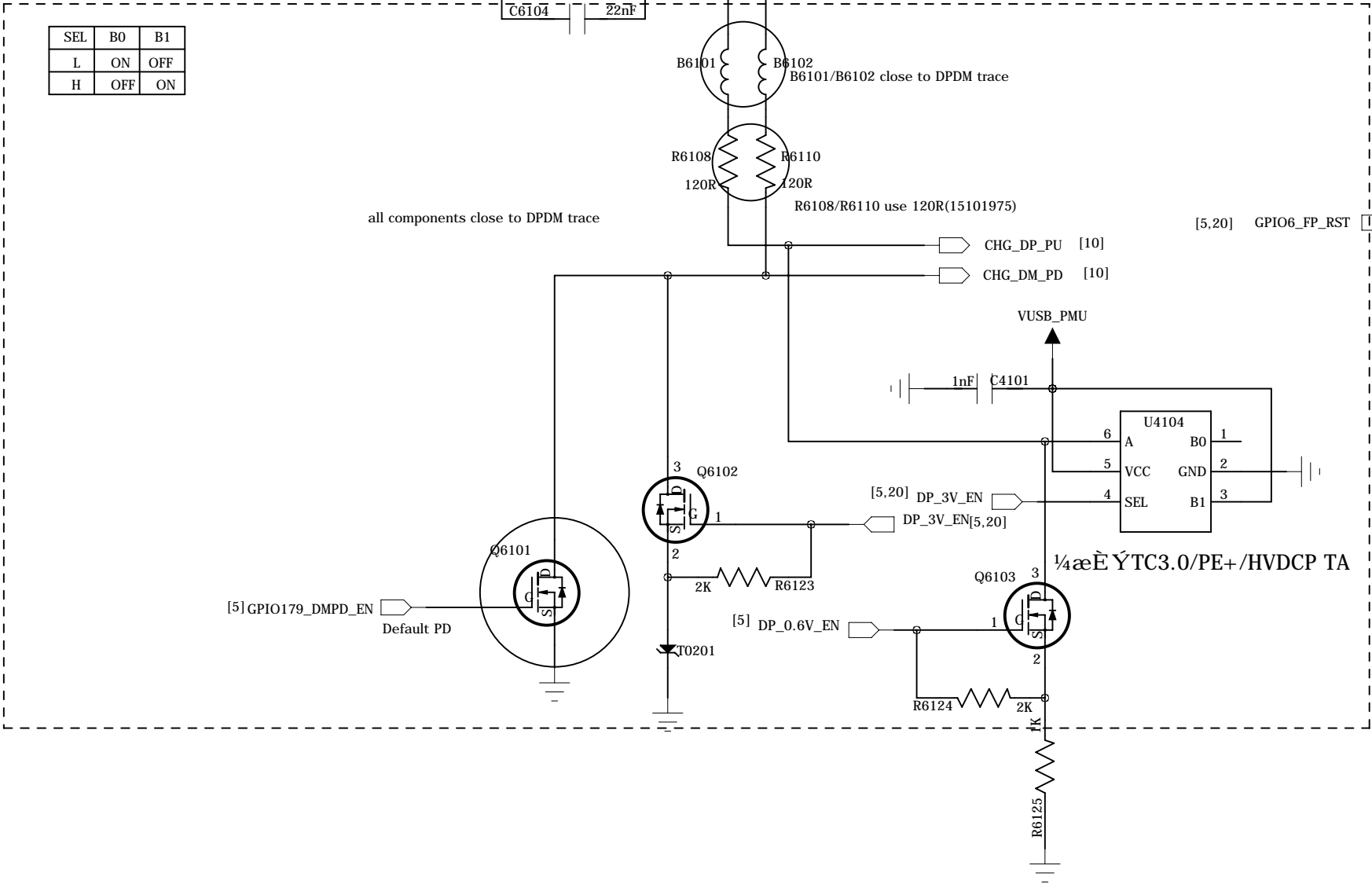
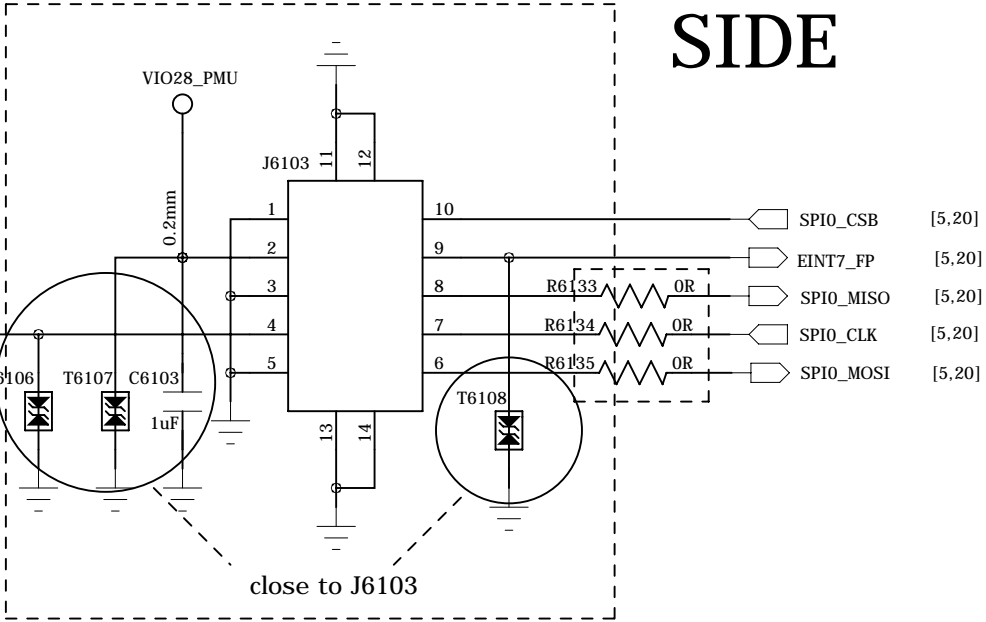
	R6105	R6106	R6111	R6124	R6115	R6116	R6123	R6104	R6109	R6103	R6117	R6119	F6101	R6112
W/I Flash 60Hz LCM	OR	OR	OR	OR	OR	OR	NC	NC	NC	NC	NC	NC	NC	NC
W/O Flash 60Hz New LCM	OR	OR	OR	NC	NC	NC	OR	OR	NC	OR	OR	OR	NC	NC
W/O Flash 90Hz New LCM	NC	NC	NC	NC	NC	NC	OR	OR	NC	OR	OR	EMI	NC	NC
W/O Flash 60Hz Old LCM	OR	OR	OR	OR	NC	NC	OR	NC	NC	NC	OR	OR	NC	OR



FINGER PRINT  
BACK

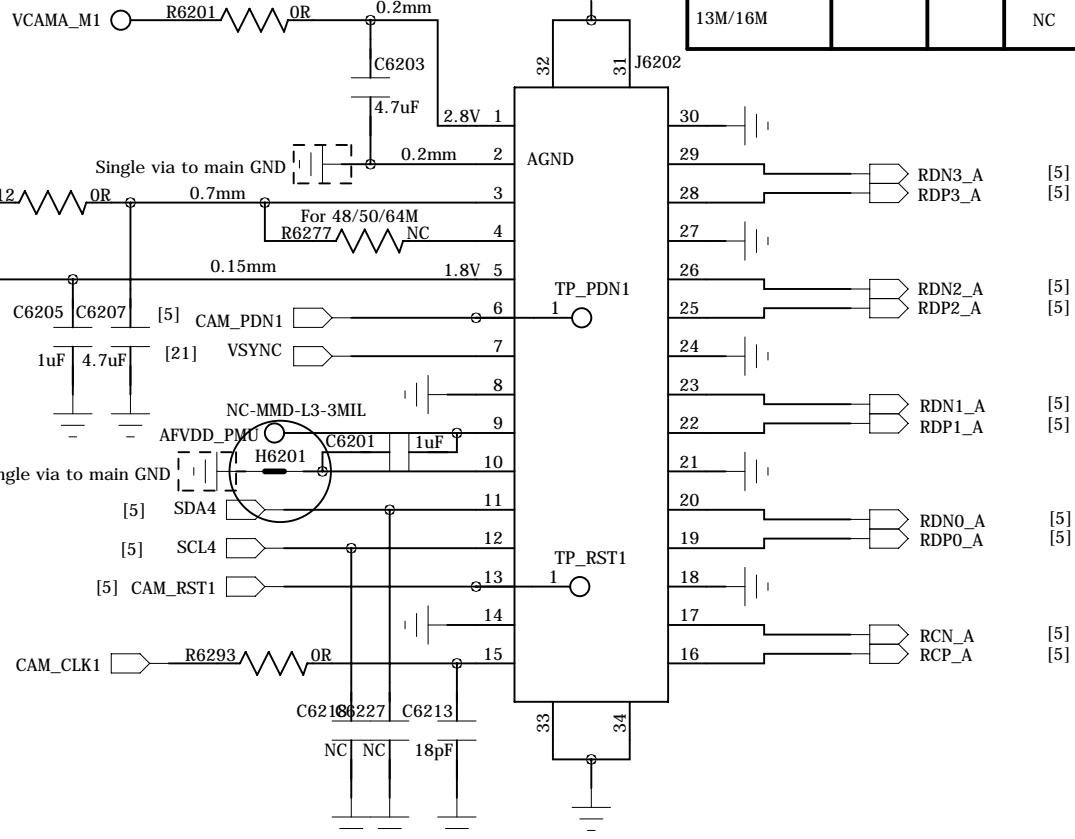


SIDE

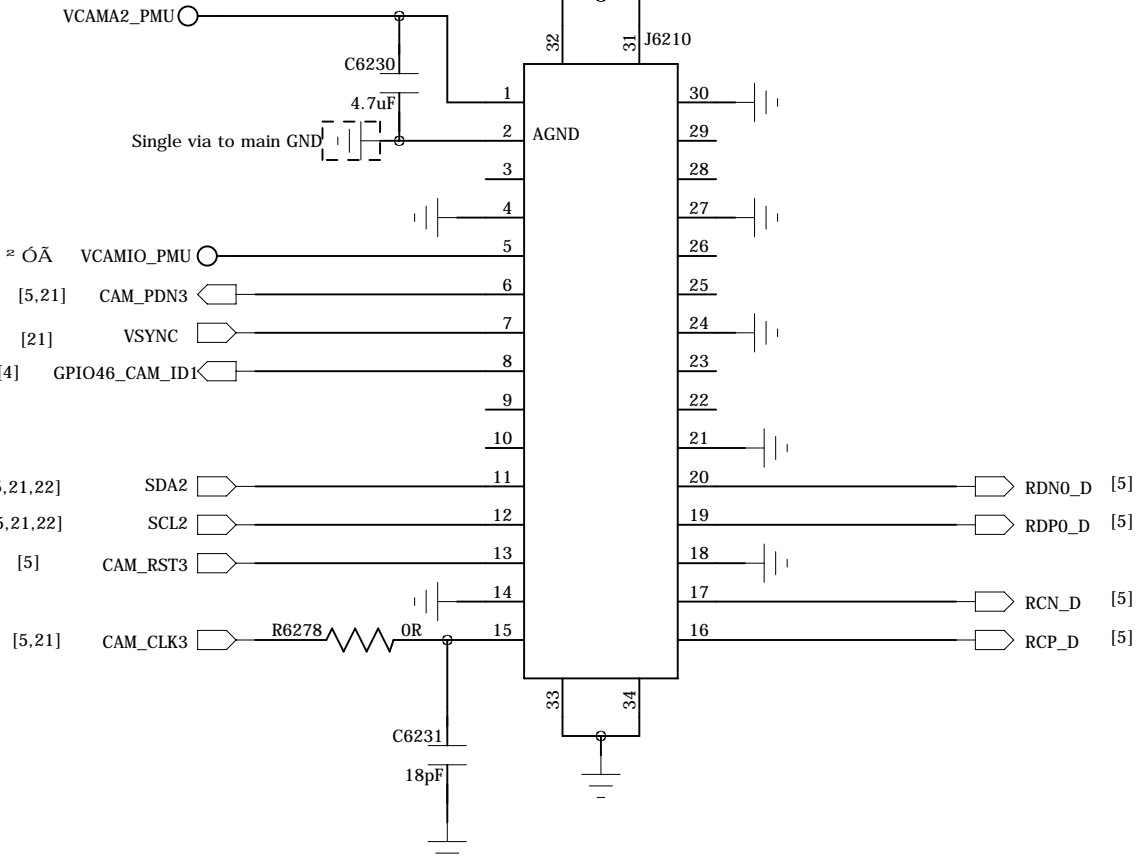


COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 61_PERI_LCM_CTP_FP		VERSION: V1.0	SHEET: 20 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

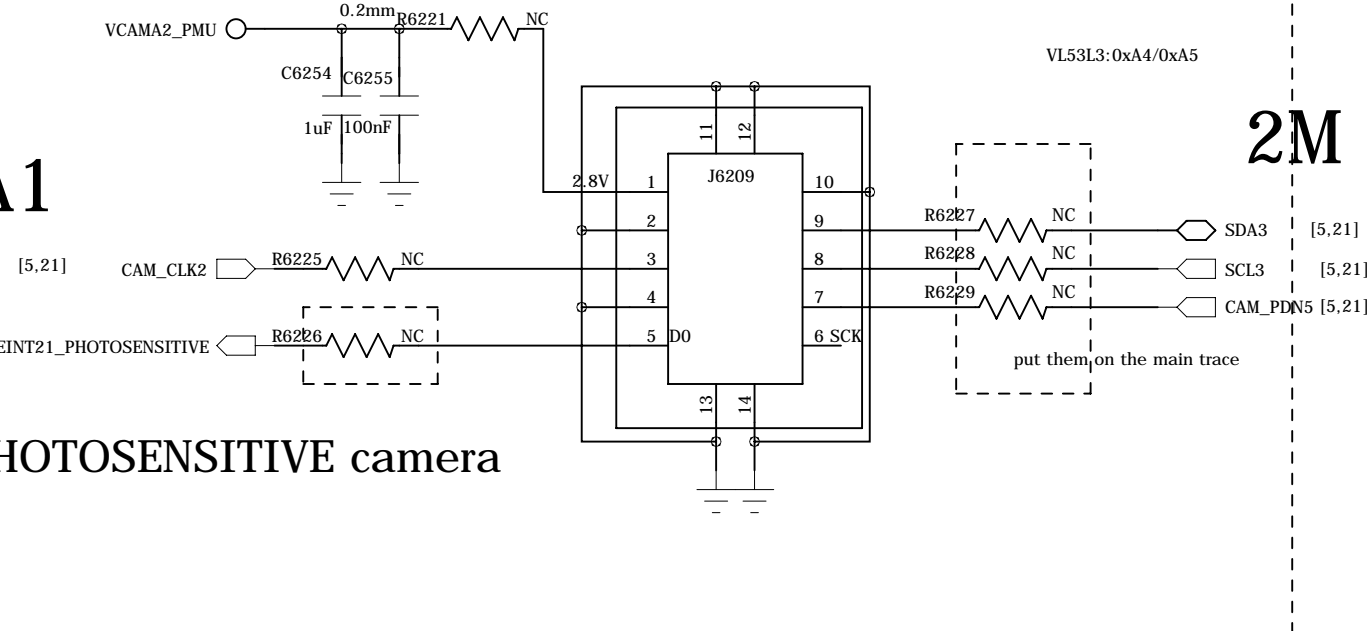
## REAR CAMERA\_I (8/13/16/50/+AF)



# REAR CAMERA\_II(2M)



## QVGA1



for PHOTSENSITIVE camera

	E <sub>UV</sub> 2 <sup>+</sup> a <sup>+</sup> s <sup>+</sup>   O <sub>1</sub> - DE <sup>+</sup> i <sub>1</sub>	E <sub>Cl</sub> 1 <sup>+</sup> ⑤	E <sub>Cl</sub> 1 <sup>+</sup> ⑥
PN NO.	5AFC-SF179801	BNN05B	BNN06B
Sensor Type	55KJN1SQ03(Samsung)	050C40-GA5A-002A	055KJN1SQ03-FGX9
Drive IC	AW8601CSR	DW9800W	DW9800W
EEPROM	GT24F128E-2CSLI-TR(¼Q <sup>+</sup> ½E <sup>+</sup> D <sup>+</sup> )	E24F128E-C4H-MIR	P24C128E-C4H-MIR
Sensor IIC	0X20(W)/0X21(R)	0X20(W)/0X21(R)	0X20(W)/0X21(R)
EEPROM IIC	0XA0(W)/0XA1(R)	0XA0(W)/0XA1(R)	0XA0(W)/0XA1(R)
Drive IIC	0X18(W)/0X19(R)	0X18(W)/0X19(R)	0X18(W)/0X19(R)
VCM	GD10B26E-A1(E <sub>o</sub> 0.34μm)	KBM-ZL42-A-0.7	KBM-ZL42-A-0.7
Sensor ID	0X72	0X63	0X72
Module ID	0X60	0X04	0X04
LEDS			
AVDD	Max: 67.7mA 2.8V	Max: 100mA 2.8V	Max: 67.7mA 2.8V
DVDD	Max: 260.7mA 1.2V	Max: 327mA 1.2V	Max: 260.7mA 1.2V
I0VDD	Max: 4mA 1.8V	Max: 2.25mA 1.8V	Max: 4mA 1.8V
AFVDD	Max: 103mA 2.8V	Max: 110mA 2.8V	Max: 110mA 2.8V

	E ù² ú³ s ò	f ~ DE´ y´	Eý O` ÐE
PN NO.	5AFC-XXXXXXX		SWCY666016MA-VA
Sensor Type	OV16B10-GA5A		OVI6B10-GA5A
Drive IC	FP5510EE4		FP5510EE4
EEPROM	GT24P64E-2CSL-TR(¾U³ ½£ ~ Ð´ ± £R²40F5E-A4H-MIR(PUYAE~Ð´ ± £± ¢))		
Sensor IIC	OX20(W)/OX21(R)		OX20(W)/OX21(R)
EEPROM IIC	OXAO(W)/OXA1(R)		OXAO(W)/OXA1(R)
Drive IIC	OX18(W)/OX19(R)		OX18(W)/OX19(R)
VCM	HBM-BL16S-A-0.8(± Ê Ä · )		CD8826E-A1-1(JSS)
Sensor ID	0XF3		0XF3
Module ID	0XG0		0X03
LEDS			
AVDD	Max: 52mA 2.8V		Max: 52mA 2.8V
DVDD	Max: 200mA 1.05V		Max: 200mA 1.05V
IQVDD	Max: 5mA 1.8V		Max: 5mA 1.8V
AFVDD	Max: 100mA 2.8V		Max: 100mA 2.8V

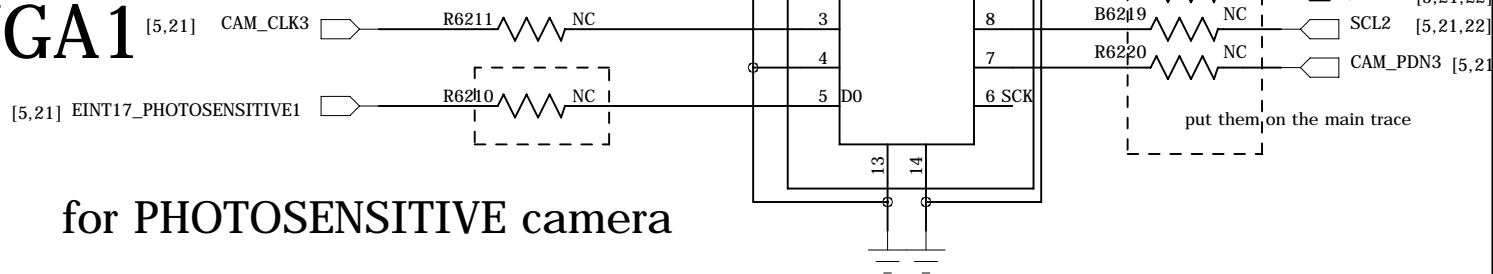
PN No.	PVC1063	5AFC-SR24680	BAD27R
Sensor Type	OV13B10-GA5A	SSK316GX03-EGX9	SSK316GX03-EGX9
Drive IC	DW9714P	G73772	DW9714P
EEPROM	P24C64E-C4H-MIR(D' ± 500)	BL245A64-CS	P24C64E-C4H-MIRE' D' ± 500 ± 500
Sensor IIC	0X20(W)/0X21(R)	0X20(W)/0X21(R)	0X20(W) / 0X21(R)
EEPROM IIC	0XA0(W)/0XA1(R)	0XA0(W)/0XA1(R)	0XA0(W)/0XA1(R)
Drive IIC	0X18(W)/0X19(R)	0X18(W)/0X19(R)	0X18(W) / 0X19(R)
VCN	VV21-5	B2665-1A9	CD8526F-A1-1
Sensor ID	0X54	0XD1	0XD1
Module ID	0X50	0X60	0X04
LEDS			
AVDD	Max: 45mA 2.8V	Max: 45mA 2.8V	Max: 45mA 2.8V
DVDD	Max: 130mA 1.2V	Max: 160mA 1.05V	Max: 160mA 1.05V
IOVDD	Max: 3mA 1.8V	Max: 0.1mA 1.8V	Max: 1.1mA 1.8V
AFVDD	Max: 125mA 2.8V	Max: 123mA 2.8V	Max: 125mA 2.8V

PN NO.	YFA1714V1
Sensor Type	GC08A3_MAFD0_2A2A
Drive IC	GT9772
EEPROM	GT24P64E-2CSLI-TR(SPARE)
Sensor IIC	0X62(W)/0X63(R)
EEPROM IIC	0XA0(W)/0XA1 (R)
Drive IIC	0X18(W)/0X19(R)
VCM	JXAH-B5K7
Sensor ID	0X89
Module ID	0X05
LEDS	
AVDD	Max:50mA 2.8V
DVDD	Max:120mA 1.2V
IOVDD	Max:10mA 1.8V
AFVDD	Max:120mA 2.8V

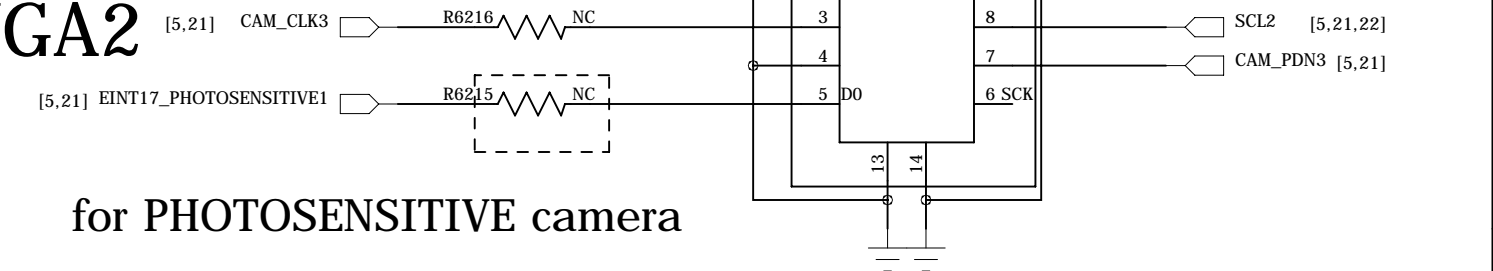
PN NO.	XCF1680	ACF1679A0
Sensor Type	OV02B1B(CSP)	G02M1B-C24Y0
Drive IC	NA	NA
EEPROM	NA	NA
Sensor IIC	0X7A(W)/0X7B(R)	0X20(W)/0X21(R)
EEPROM IIC	NA	NA
Drive IIC	NA	NA
VCM	NA	NA
Sensor ID	NA	NA
Module ID	NA	NA
LEDS		
AVDD	Max:33mA 2.8V	Max:40mA 2.8V
DVDD	NA	NA
IOVDD	Max:34mA 1.8V	Max:10+60mA 1.8V
AFVDD	NA	NA

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 62_PERI_REAR_CAMERA_I		VERSION: V1.0	SHEET: 21 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

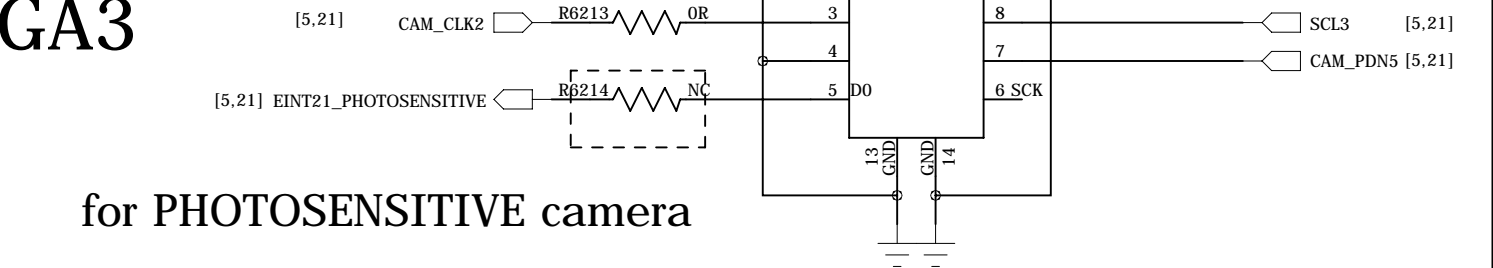
REAR CAMERA\_III(QVGA/1 ̂ ̂)



for PHOTSENSITIVE camera



for PHOTSENSITIVE camera



for PHOTSENSITIVE camera

PN NO.	N08F1708	A08F1707A0	X08F1644
Sensor Type	GC6153-C08Y0	GC6153-C08Y0	GC6153-C08Y0
Drive IC	NA	NA	NA
EEPROM	NA	NA	NA
Sensor IIC	0X80(W)/0X81(R)	0X80(W)/0X81(R)	0X80(W)/0X81(R)
EEPROM IIC	NA	NA	NA
Drive IIC	NA	NA	NA
VCM	NA	NA	NA
Sensor ID	NA	NA	NA
Module ID	NA	NA	NA
LEDS			
AVDD	Max: 23.8mA 2.8V	Max: 23.8mA 2.8V	Max: 23.8mA 2.8V
DVDD	NA	NA	NA
IOVDD	NA	NA	NA
AFVDD	NA	NA	NA

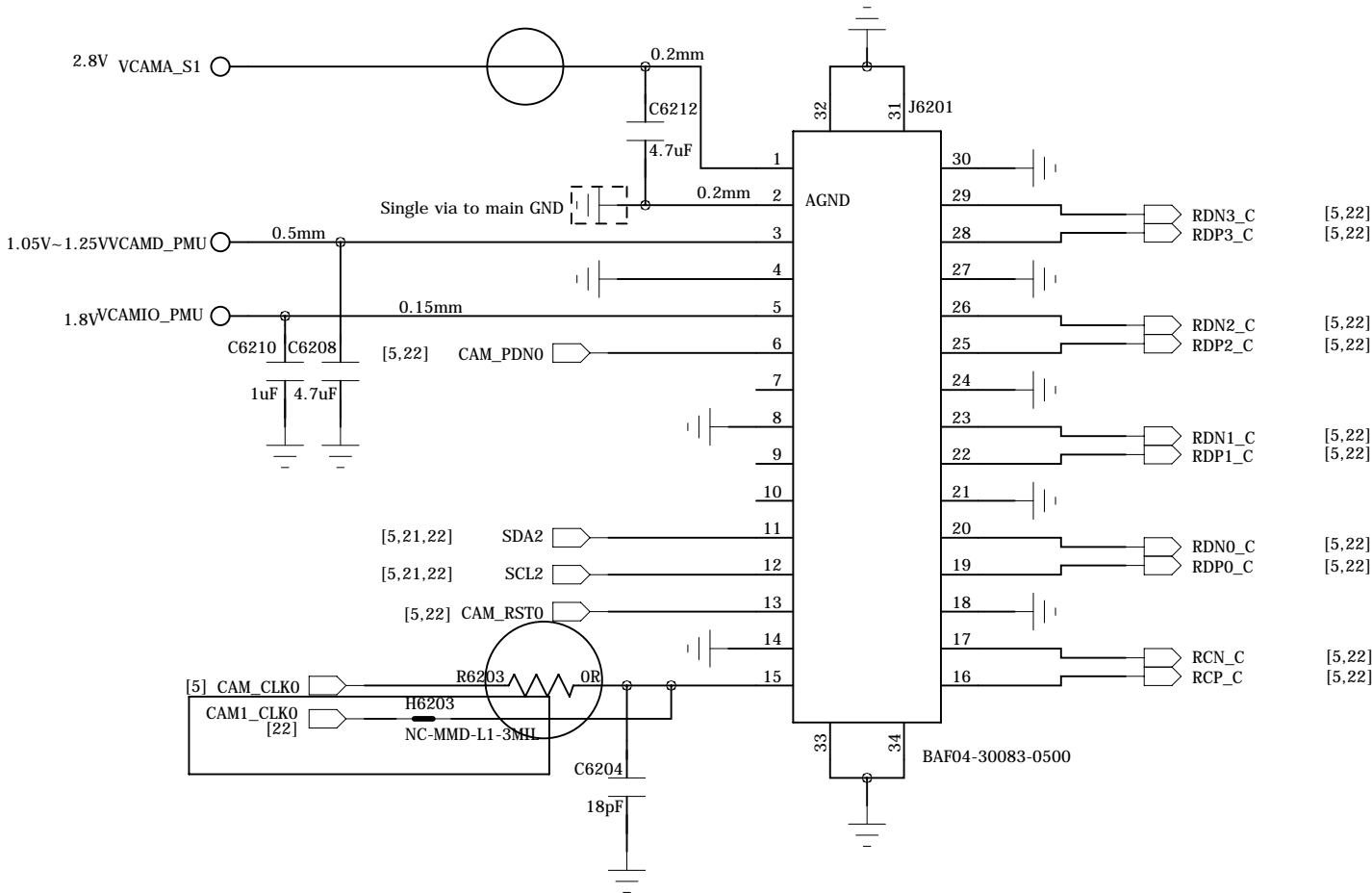
PN NO.	XZF****
Sensor Type	ALS-PDT17-51C-L451-TR8
Drive IC	NA
EEPROM	NA
Sensor IIC	NA
EEPROM IIC	NA
Drive IIC	NA
VCM	NA
Sensor ID	NA
Module ID	NA
LEDS	
AVDD	Max: $\bar{E} \pm \bar{E} \text{ } \bar{\text{C}} \sim 2.8V$
DVDD	NA
IOVDD	NA
AFVDD	NA

<sup>1</sup>  $\hat{a} \tilde{A} \hat{o}$

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FRONT CAMERA(5M/8M/16M)

Hole



16M

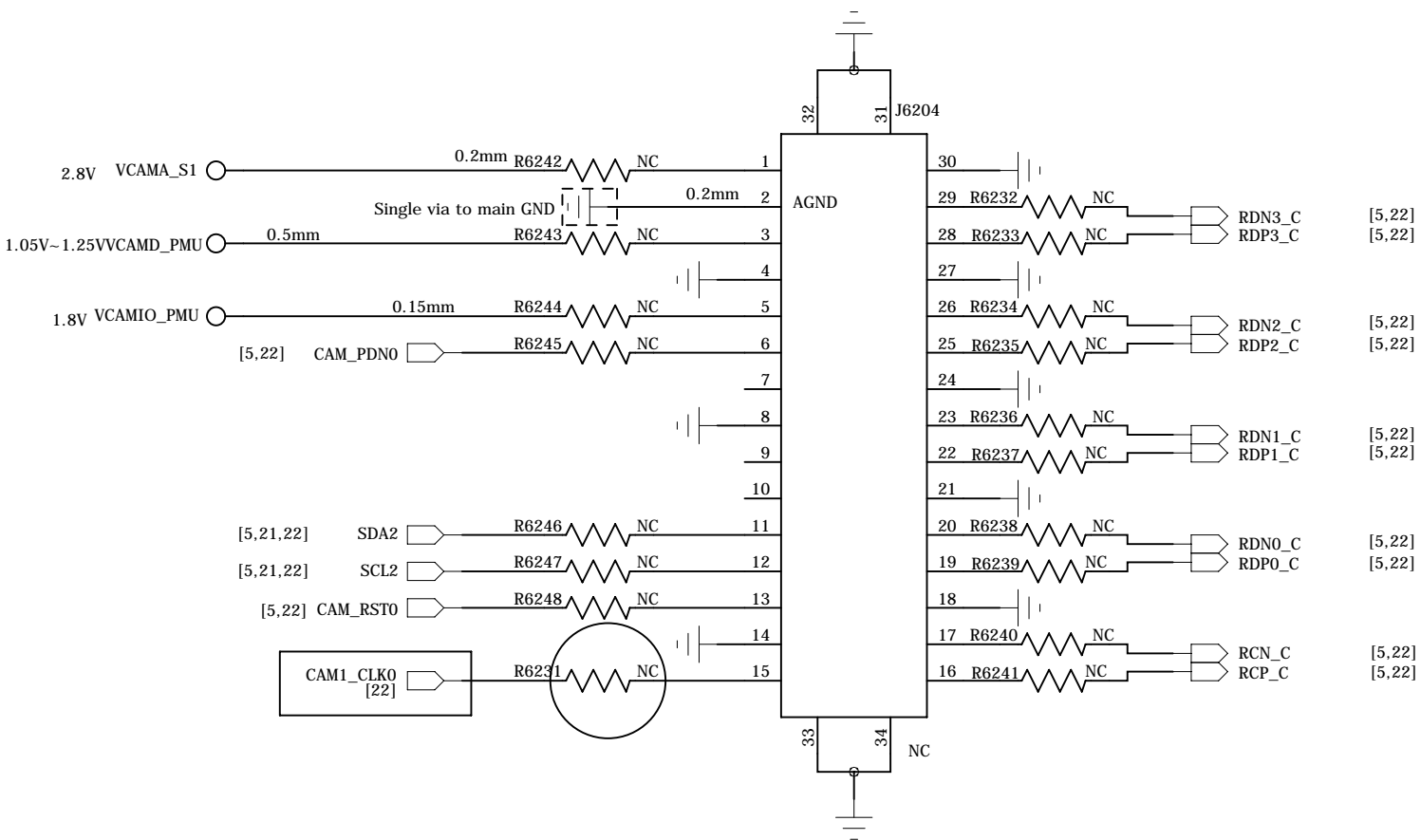
Éú² á³ \$ ¼Ö	l i Êµ¾«¹ ¢
PN NO.	HDF0276
Sensor Type	HI-1631Q
Drive IC	NA
EEPROM	P24C65E-C4H-MIR(É ± £ » ¢)
Sensor IIC	0X40(W)/0X41(R)
EEPROM IIC	0XA2(W)/0XA3(R)
Drive IIC	NA
VCM	NA
Sensor ID	0XF4
Module ID	0X50
LEDS	
AVDD	Max:52mA 2.8V
DVDD	Max:125mA 1.1V
IOVDD	Max:4mA 1.8V
AFVDD	NA

8M

Éú² á³ \$ ¼Ö	l i Êµ¾«¹ ¢	í ÑÊ ¸ í	í ÑÊ ¸ í
PN NO.	PK8F1130	5FFC-G8580101	5FFC-G855030
Sensor Type	GC08A3-WA1XA	GC08A3-WA1XA	GC8034-WC1X0
Drive IC	NA	NA	NA
EEPROM	NA	NA	NA
Sensor IIC	0X24(W)/0X25(R)	0X24(W)/0X25(R)	0x6E(W)/0x6F(R)
EEPROM IIC	NA	NA	NA
Drive IIC	NA	NA	NA
VCM	NA	NA	NA
Sensor ID	0X89	0X89	0X80
Module ID	0X50	0X60	0X60
LEDS			
AVDD	Max:50mA 2.8V	Max:50mA 2.8V	MAX:35mA 2.8V
DVDD	Max:120mA 1.2V	Max:120mA 1.2V	MAX:120mA 1.25V
IOVDD	Max:10mA 1.8V	Max:10mA 1.8V	MAX:10mA 1.8V
AFVDD	NA	NA	NA

FRONT CAMERA(5M/8M/16M)

Drop



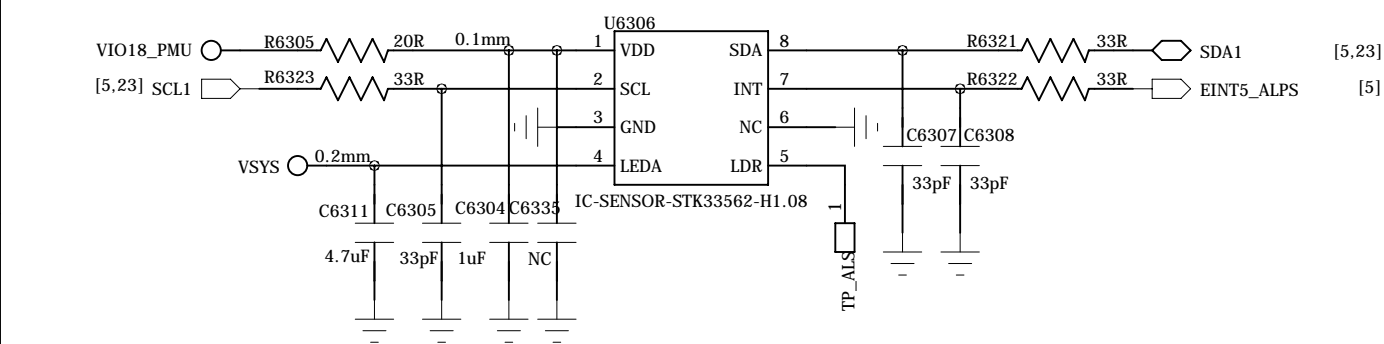
5M

Éú² á³ \$ ¼Ö	Ê c l ©	ÐÄ- áÊÄ¼Í	ËýÓ®ÐÊ
PN NO.	9F532M(COM)	AEF1670A0	SWDA6660BD2B-VA
Sensor Type	GC5035-MCHDO(COM)	GC5035-MCHDO(CM6565)	HI-556D(HYNIX)
Drive IC	NA	NA	NA
EEPROM	NA	NA	NA
Sensor IIC	0X6E(W)/0X6F(R)	0X6E(W)/0X6F(R)	0X50(W)/0X51(R)
EEPROM IIC	NA	NA	NA
Drive IIC	NA	NA	NA
VCM	NA	NA	NA
Sensor ID	Ê ± Ê \$	0X52	0X88
Module ID	Ê ± Ê \$	0X10	0X03
LEDS			
AVDD	Ê ± Ê \$	Max:35mA 2.8V	Max:43mA 2.8V
DVDD	Ê ± Ê \$	Max:80mA 1.2V	Max:46mA 1.2V
IOVDD	Ê ± Ê \$	Max:3mA 1.8V	Max:1mA 1.8V
AFVDD	Ê ± Ê \$	NA	NA

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 62_PERI_FRONT_CAMERA_II		VERSION: V1.0	SHEET: 22 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

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LTR	ECO NO:	APPROVED:	DATE:

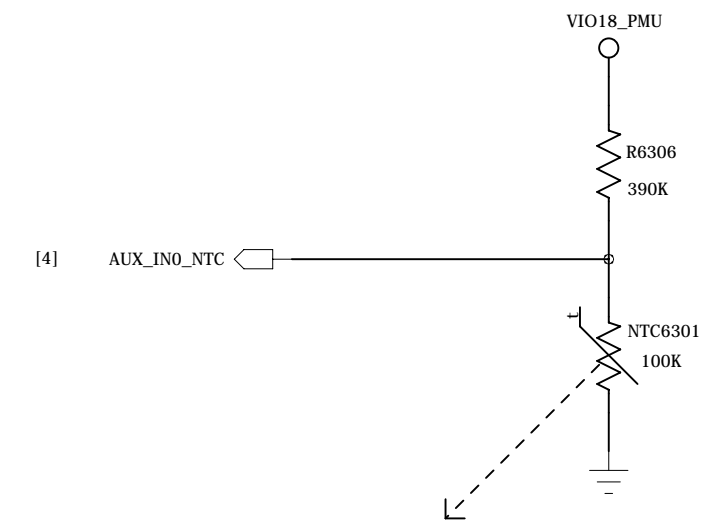
STK33562:I2C address: Write:0x8C, Read:0x8D



## G-Sensor + Gyro Sensor

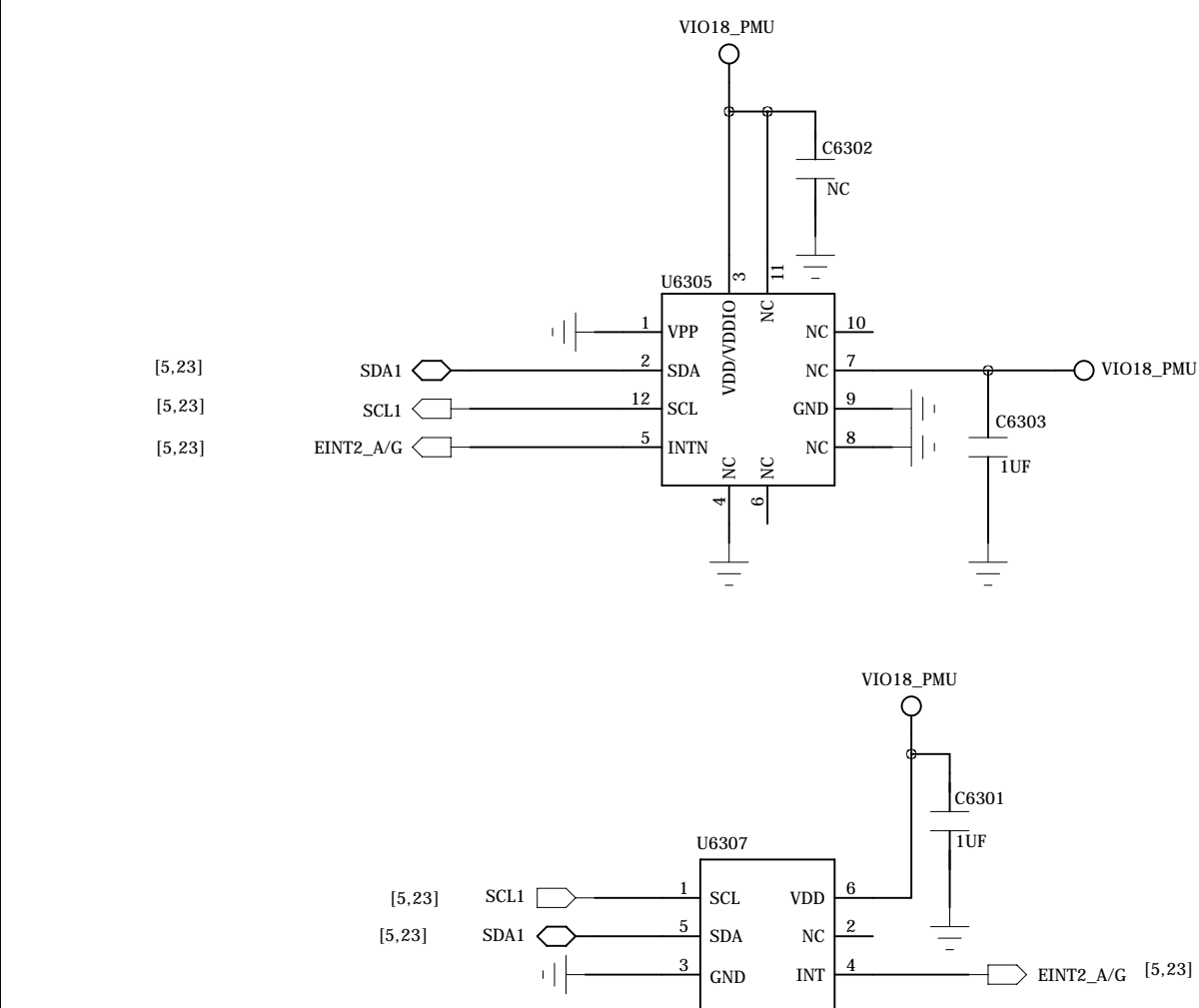
LSM6DS3TR-C:I2C address: Write:0xD4, Read:0xD5

## Thermistor to sense AP temperature



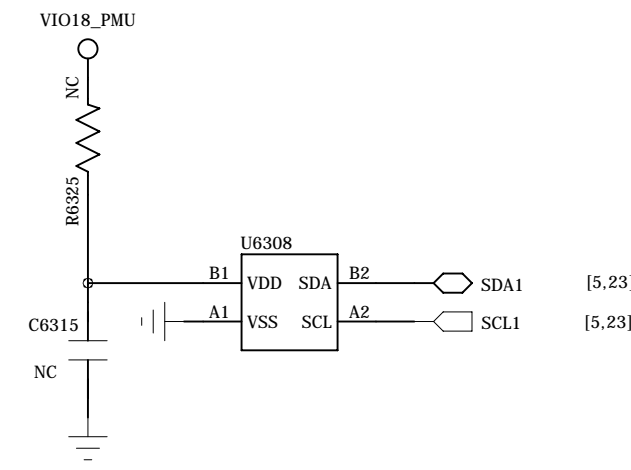
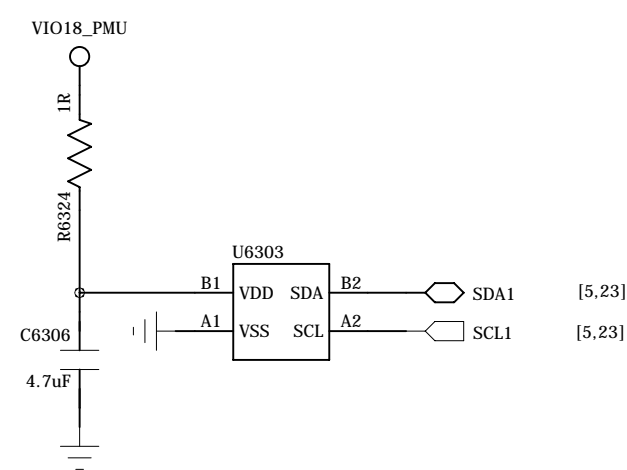
1. NTC6301 must keep a distance about 6~8 mm away from BB and far from other heat sources 10 mm at least.
2. The distance is the shortest distance from package edge to edge.

## G-Sensor



## M-Sensor(COMPASS)

MMC5603:I2C ADDRESS:0x60(Write)/0x61(Read)

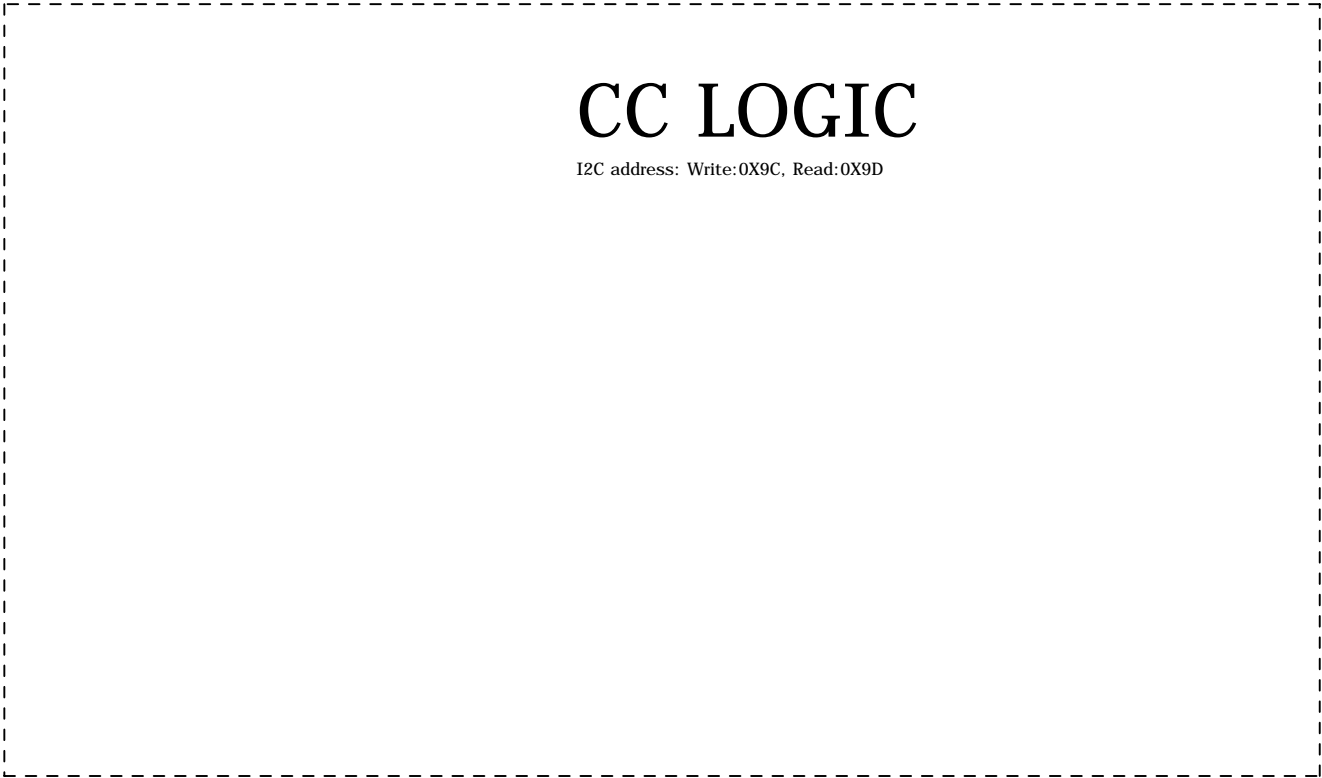


# Unipolar HALL

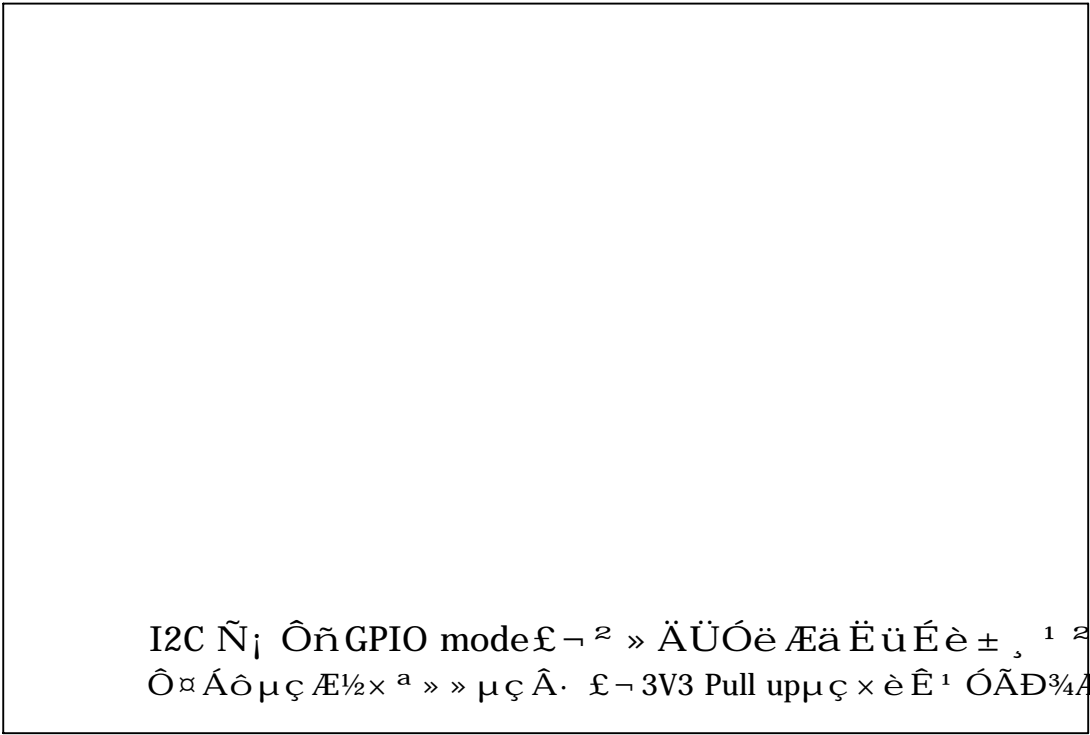
COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 63_PERI_SENSORS		VERSION: V1.0	SHEET: 23 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

PERI\_EXCH\_IO

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



CHG Part

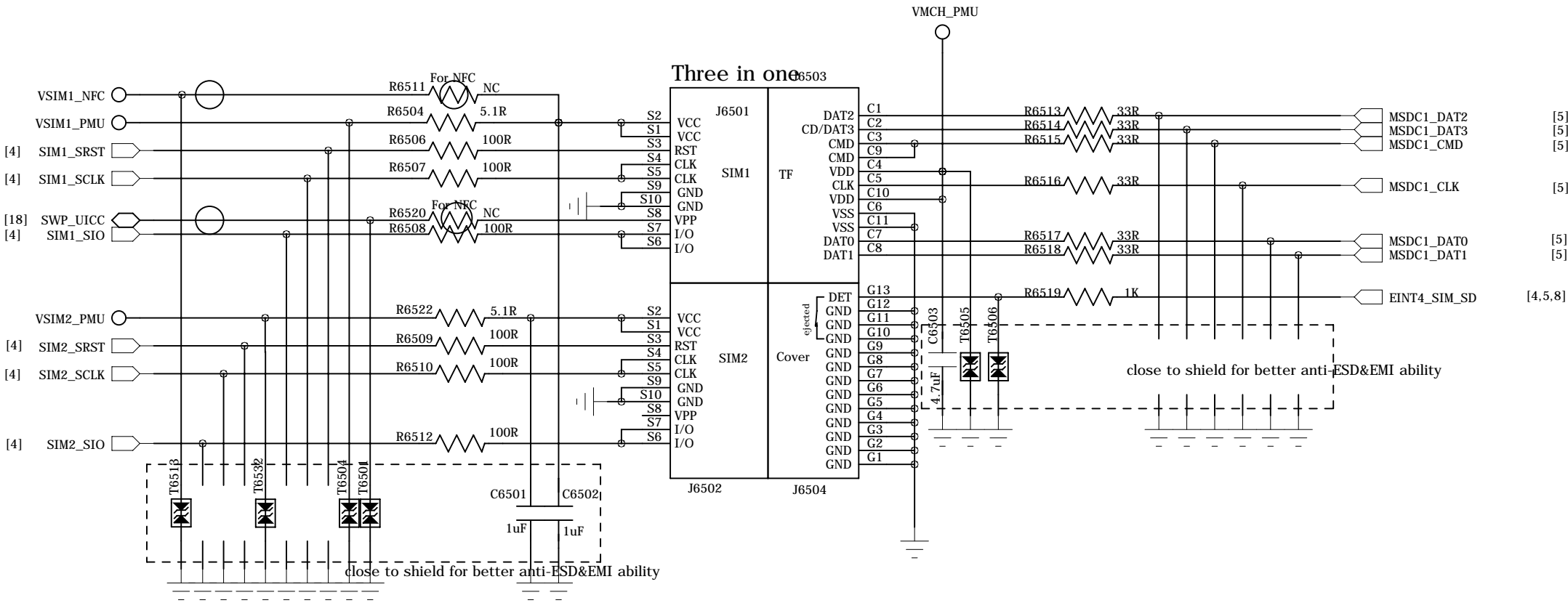


COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 64_PERI_EXCH_IO		VERSION: V1.0	SHEET: 24 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		

PERI\_SIM\_SD\_KEYPAD

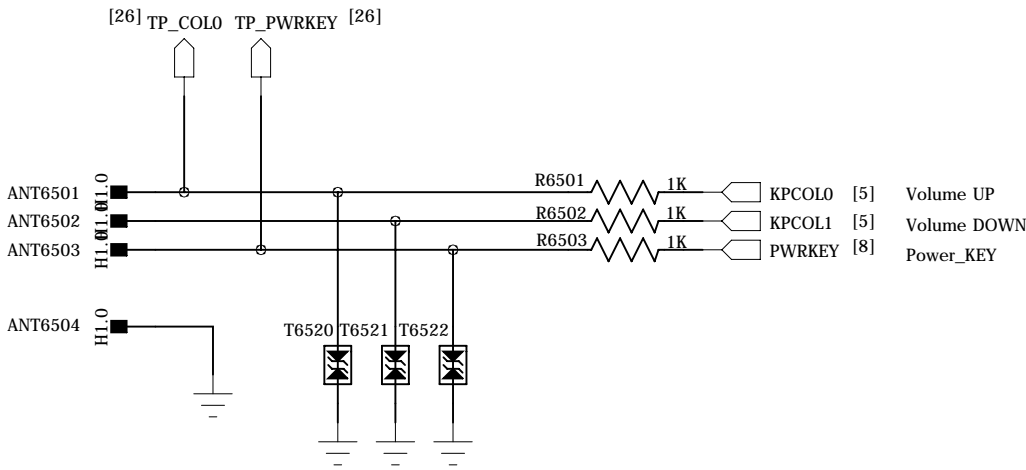
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

SIM1/2-SD-CARD



SD POWER CONTROL

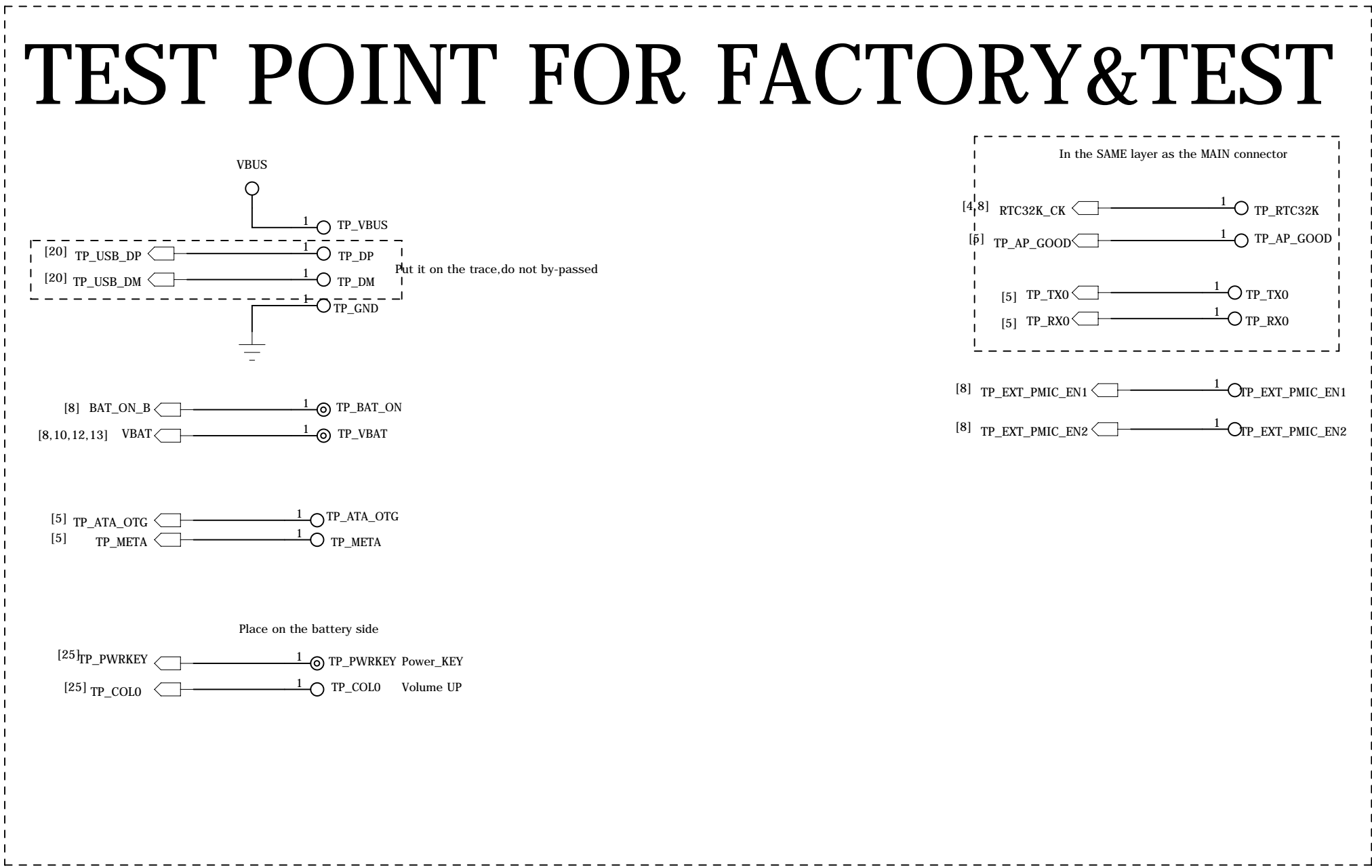
SIDEKEY



COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: 65_PERI_SIM_SD_KEYPAD		VERSION: V1.0	SHEET: 25 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		



REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



# CHANGE LIST

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

- 1.Öö¼ÓR6212.¼æÈÝ£ºÖ÷ÉãDVDD´ÓPMUÖ±¹©
- 2.C6014¡ ¢C6018¡ ¢C6035, ü»»valueÎª33nF
- 3.Öö¼ÓR6015¡ ¢R6016 0402 0¡ ¢,
- 4.C4024 22uF 0603, ÄÎª10uF 0603
- 5.Öö¼ÓSPK/RECGND µ¯Æ¬
- 6.Öö¼ÓC6016 0201 25V,İÈNC
- 7.Öö¼ÓR6141¡ ¢R6142 2K¡ ¢, .R2305¡ ¢NTC2301 NC.for¼ÛtypeC
- 8.É¾³ýR6007¡ ¢R6008¡ ¢R6004¡ ¢R6003¡ ¢C6022., ÄÎª¹èÂó
- 9.Öö¼ÓC6105¡ ¢R6114.J6101.34Á¬½ÓMICBIAS0
- 10.É¾³ýSH06~SH10,ĐƧ, ÄÆÁ±Î, ÇSH01~SH05Ãû³Æ
- 11.Öö¼ÓR2023¡ ¢Q2002 NC;C2059 NC,Öö¼ÓÍøÂÇGPIO159\_VS3BUCK\_MOS
- 12.R6210¡ ¢R6214¡ ¢R6215 value, ÄÎª1K£¬NC
- 13.Öö¼ÓR2225¡ ¢R2214¡ ¢R2240¡ ¢R2215¡ ¢R2216¡ ¢D2202¡ ¢D2203¡ ¢D2205¡ ¢LED2228¡ ¢Q2201
- 14.Öö¼ÓD6401¡ ¢İæ»»U6401ÎªLDO
- 15.É¾³ýVCAMDÍâ²¿LDO:U2302¡ ¢U2308İà¹ØÆ÷¼Ƨ
- 16.É¾³ýÇºÉãVCAMD¼æÈÝµÇ×è£¬²»ÓÃ¼æÈÝ48MÄ£×é
- 17.ID±ä, ü£¬É¾³ýÒ»×éÉÁ¹âµÆLED2213~2216,R2211
- 18.¾«¼òºÚ¼Ƨ£¬É¾³ý³äµÇÖ, Ê¾µÆLED2228
- 19.Öö¼ÓR1211¡ ¢R1212
- 20.ÒôÆµPAĐÍºÄ±ä, üÎªOCA72317

COMPANY: TRANSSION HOLDINGS				MODEL: XXXX		Modified Date: 2021/12/15	
DRAWN	ZY/DLA	DATED	2020/03/18	TITLE: CHANGE_LIST		VERSION: V1.0	SHEET: 27 OF 27
CHECKED	<CHECKED>	DATED	< >	Confidentiality	CONFIDENTIAL		