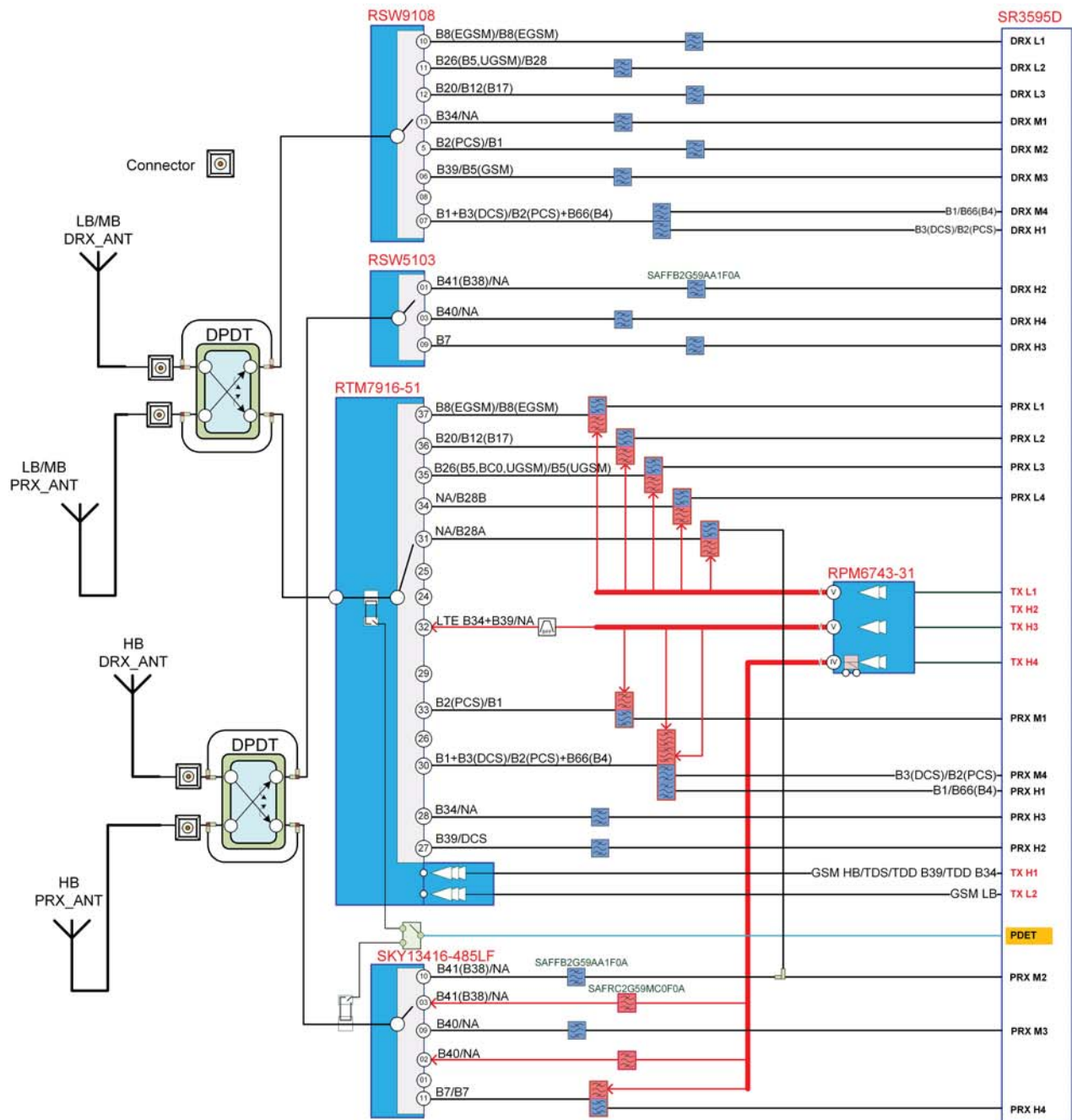


RF BLOCK DIAGRAM



Platform:
UMS512+SR3595D

Product support:
Global

Band support:
China+Europe+India
TDD LTE: B34/38/39/40/41N
FDD LTE: B1/3/7/8/20/26(5)
WCDMA: B1/2/5/8(HW support WCDMA diversity)
TDSCDMA: B34/39
CDMA: BC0
GSM: B2/3/5/8(HW support GSM diversity)
DL CA: 1C,3C,5B,7B,7C,8B,38C,39C,40C,41C;
3A-3A,5A-5A,7A-7A,40A-40A,41A-41A;
1A-3A,1A-7A,3A-7A,3A-40A,3A-41A,5A-40A,
7A-8A,7A-20A,8A-40A,8A-41A,39A-41A.
UL CA: 1C,3C,5B,7C,8B,38C,39C,40C,41C

LATAM
FDD LTE: B1/2/5/7/12(17)/28/66(4)
WCDMA: B1/2/4/5/8(HW support WCDMA diversity)
GSM: B2/3/5/8(HW support GSM diversity)
DL CA: 1C,5B,7B,7C,66C;
2A-2A,4A-4A,5A-5A,7A-7A,12A-12A,66A-66A;
2A-4A,2A-7A,5A-7A,7A-28A.
UL CA: 1C,7C

Key Part:
RTM7916-51
RPM6743-31
RSW9108
RSW5103
SKY13416-485LF

CA cases with underline are not list in MRD
B7 sensitivity has high risk when B8 served as PCC of CA 7A-8A.
B41 sensitivity has high risk when B8 served as PCC of CA 8A-41A.

		Title & Rev:	
		Document No.:	
		Equipment No.:	
ISSUED BY:	DATE:	DEPARTMENT:	
SIGN:	DATE:	COMMENT:	
APPROVED:	DATE:	CONFIDENTIAL AND PROPRIETARY	

REVISIONS			
NO.	DESCRIPTION	APPROVED	DATE

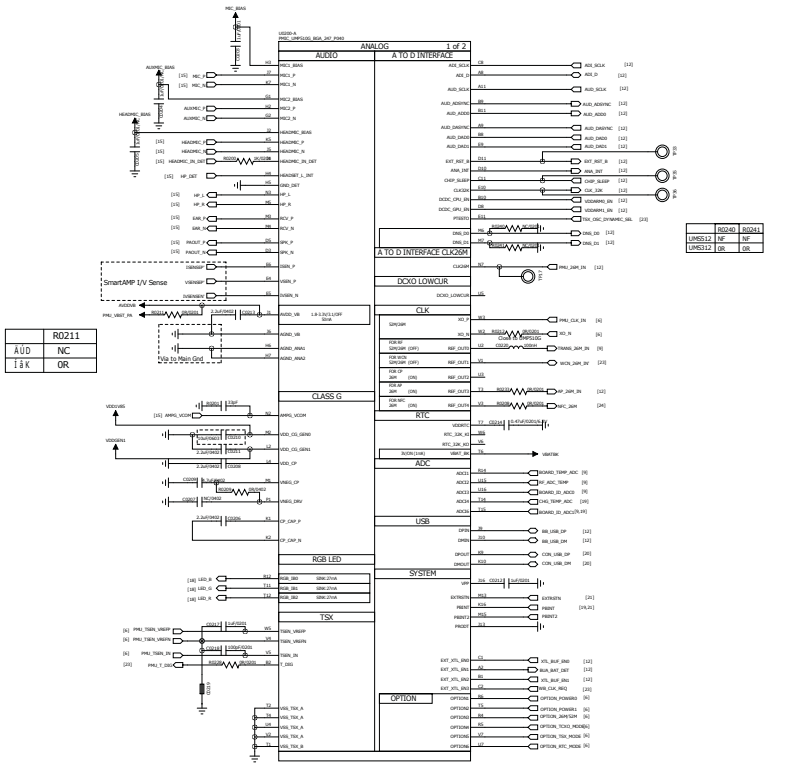
Change_Note

V0.0.1

UMSS12_B_CS_A_SCH_V0.0.1

DESIGNER		DATE	TITLE & NO.	
EAP		DATE	DOCUMENT NO.	
APPROVED		DATE	REVISION/REMARK	
COORDINATOR AND REPRESENTATIVE			SHEET : 1 OF 1	

PMU_ANALOG



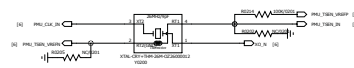
UMPS10G 6 Interrupt Input IO

1st function	2nd function	3rd function	Platform	note
EXT-XTL-EN0	NA		UMSS12	
EXT-XTL-EN1	VBATDET_OK		CP	
EXT-XTL-EN2	NA	NA	Sensor Hub	
EXT-XTL-EN3	NA		UMW2052	
PTESID	EXT-XTL-EN4	T_SEL	T_SEL	1.5V, 100k, 100k, 100k, 100k
DCDCCPU-EN	EXT-XTL-EN5			

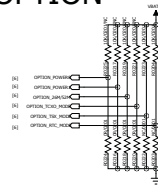
BKBT



TSX£ " PMU£ ©



OPTION



Item	Scenario	Option1	Option2
0	UMSS12+UMPS10G	0	0
1	UMSS12+UMPS10G+DCDC	0	1
2	UMSS12+UMPS10G+DCDC+VDD3/4VDDM02 power supply for SDRAM	1	0
3	UMSS12+UMPS10G+DCDC+VDD3/4VDDM02 power supply for SDRAM	1	1

Scenario	Option1(20M/52M)	Option2(TC10_MODULE)	Option3(TS10_MODULE)	Option4(ETC_MODULE)
26M TC10+32K Crystal	0	1	0	0
26M TSX+32K Crystal	0	0	1	0
26M TSX+32K-less from PMIC internal	0	0	1	1
26M DCDC+32K-less from PMIC internal	0	1	1	1
26M DCDC+32K Crystal	0	1	1	0

TSX & M0

Document No.

DATE: 2014.01.10

DATE: 2014.01.10

DATE: 2014.01.10

DATE: 2014.01.10

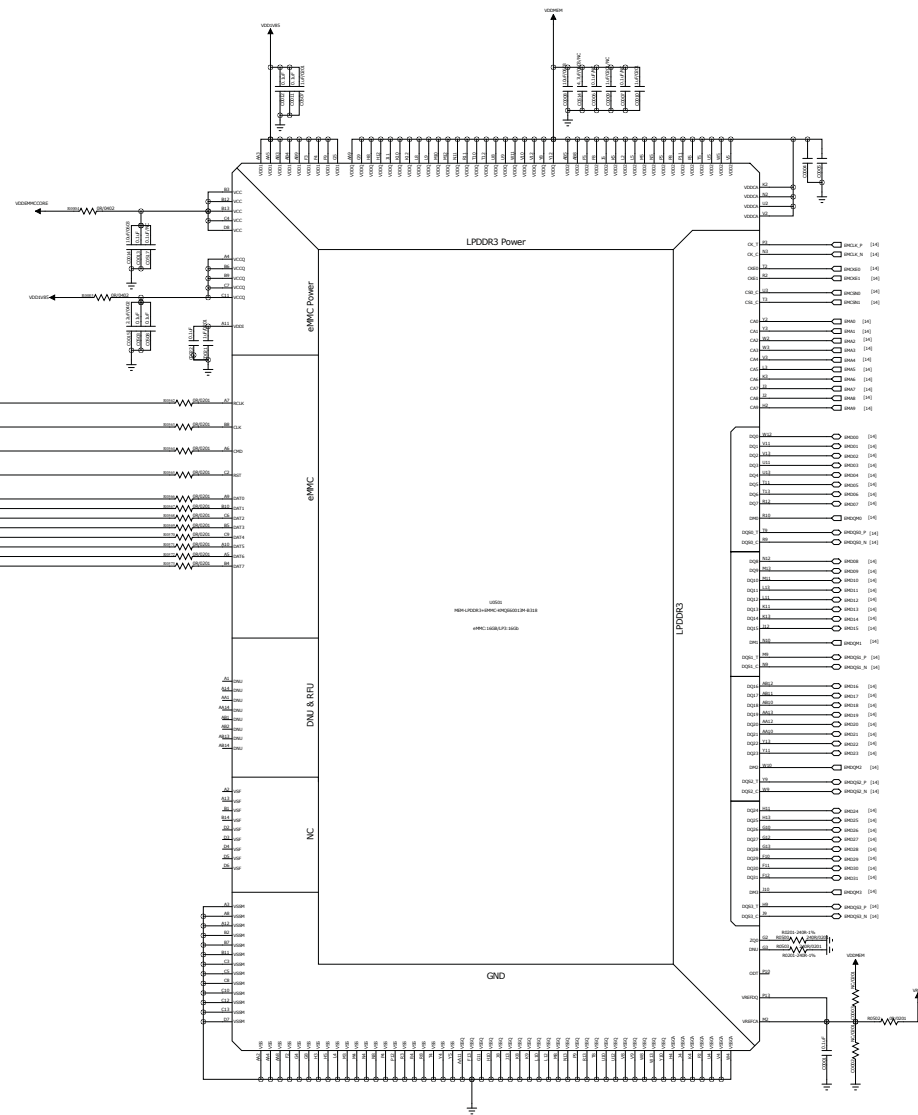
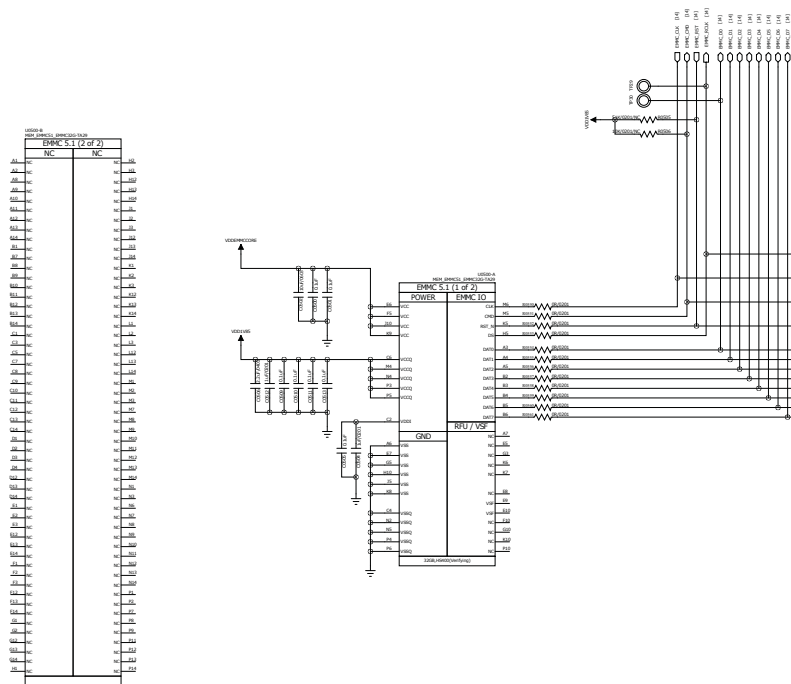
DATE: 2014.01.10

DATE: 2014.01.10

REVISION HISTORY			
REV	DESCRIPTION	DATE	BY

eMMC

eMMC+LPDDR3

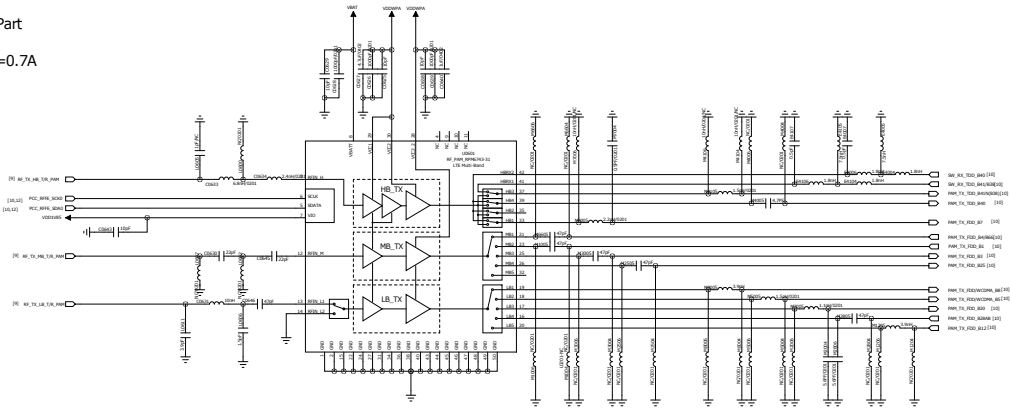


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CHECKED BY:		DATE:	
APPROVED BY:		DATE:	
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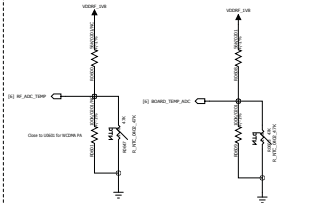
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VER.	REV. NO.	REVISION	DATE

LTE/WCDMA PAM

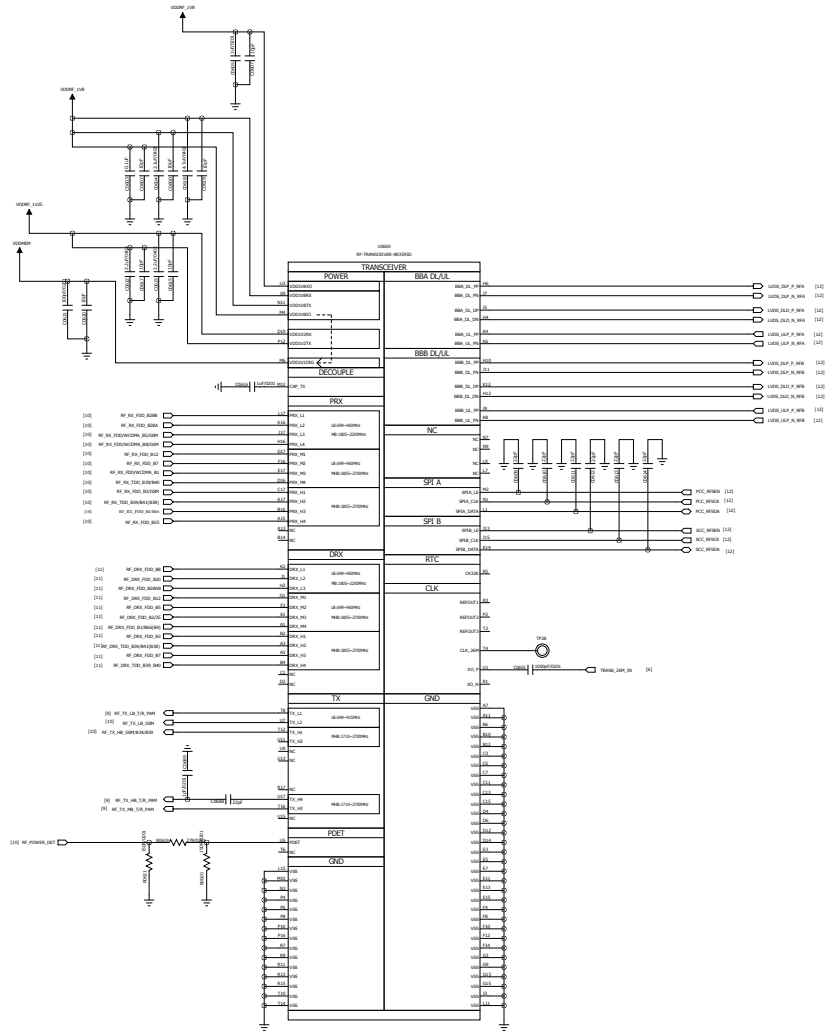
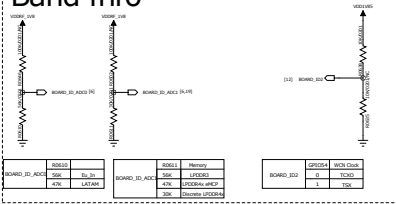
PA Part
Ipp=0.7A



NTC



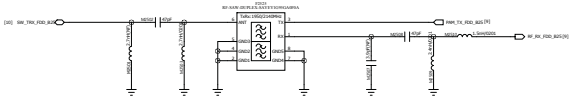
Band info



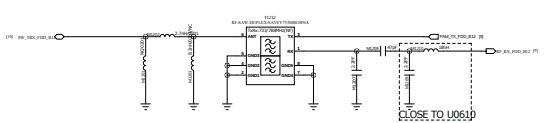
DESIGN & REV.			
DOCUMENT NO.			
DESIGNER	DATE	REVISION	REVISION
DATE	DATE	DATE	DATE
APPROVED	DATE	CONFIDENTIAL AND PROPRIETARY	

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REV.	REASON	APPROVED	DATE

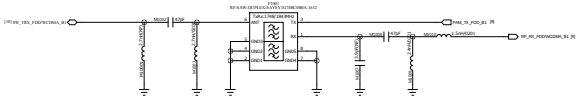
FDD_LTE_B2/B25



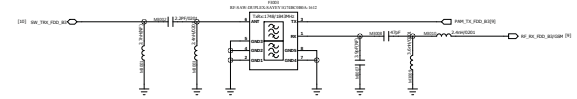
FDD_LTE_B12/17



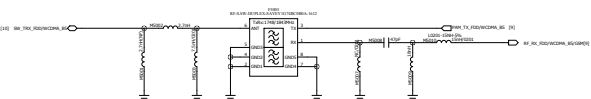
FDD_LTE_B1



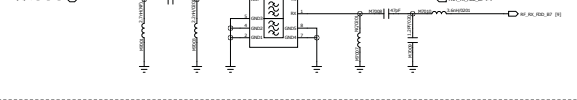
FDD_LTE_B3



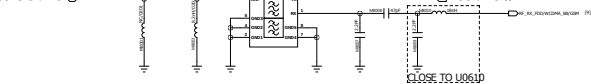
FDD_LTE_B5/B26_WCDMA_B5_GSM



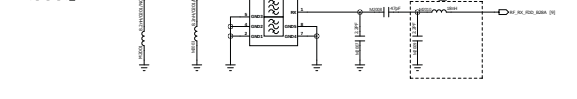
FDD_LTE_B7



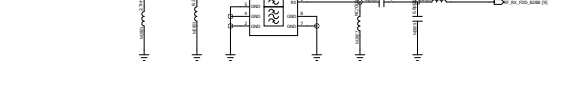
FDD_LTE_WCDMA_B8



FDD_LTE_B20

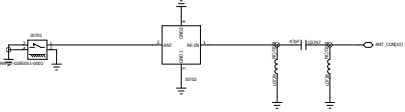


FDD_LTE_B28AB

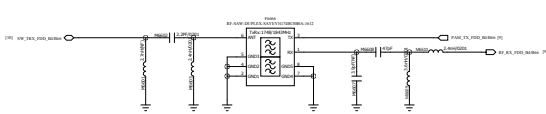


GSM1900

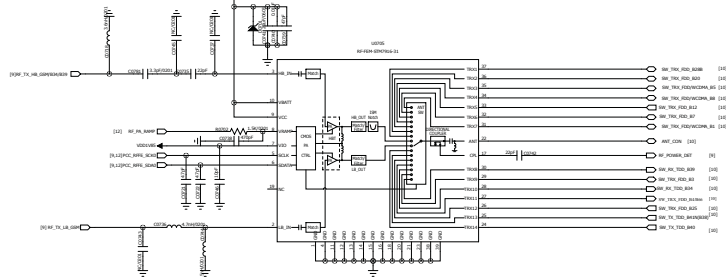
Primary Antenna



FDD_LTE_WCDMA_B4/B66

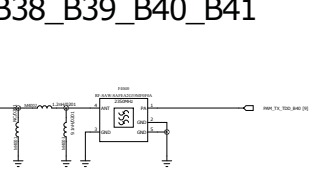


TDD B34/B39/GSM PA + Switch

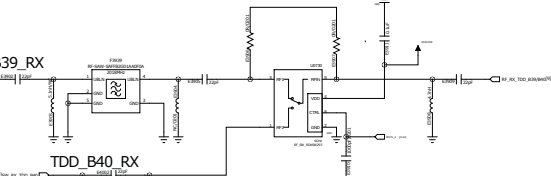


TDD B34_B38_B39_B40_B41

TDD_B40_TX



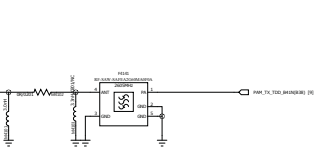
TDD_B39_RX



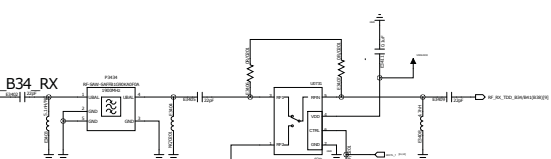
TDD_B40_RX



TDD_B41_TX



TDD_B34_RX

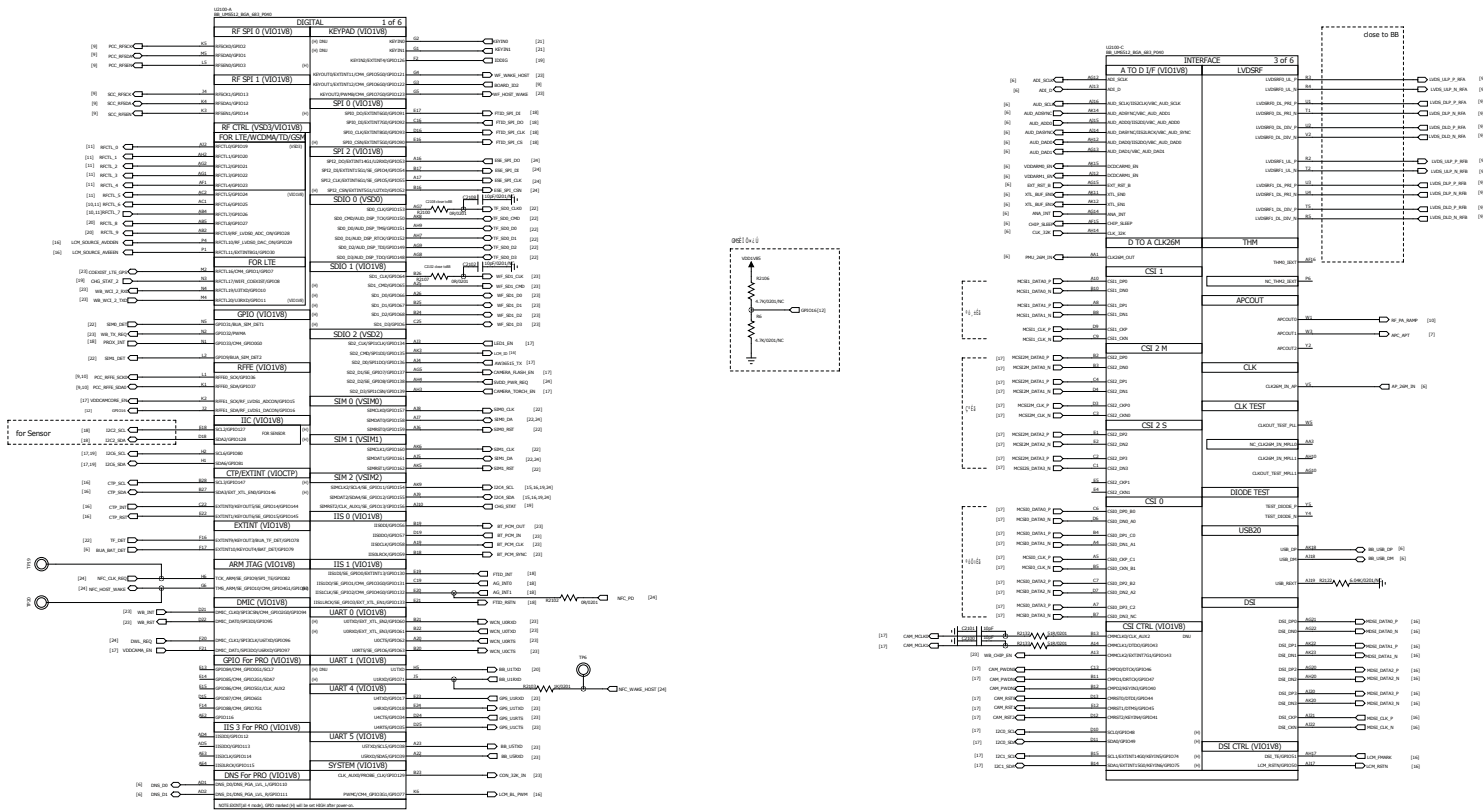


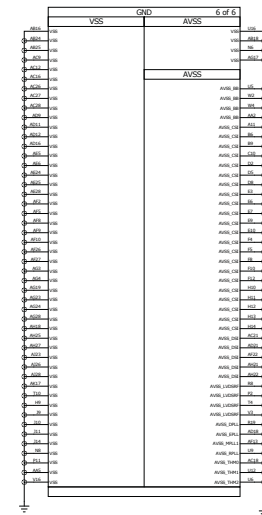
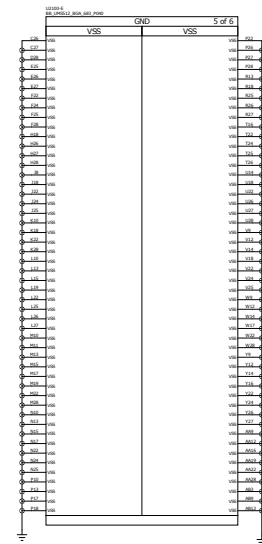
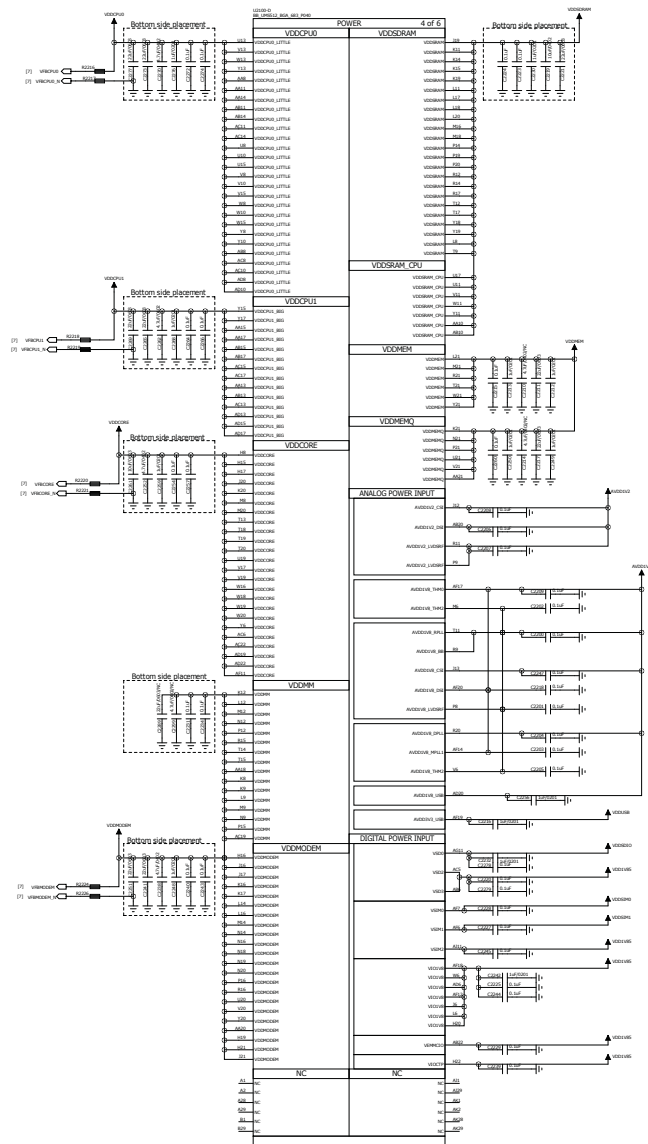
TDD_B41_RX



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		DOCUMENT NO.	
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APPROVED:	DATE:	CONFIDENTIAL AND PROPRIETARY	

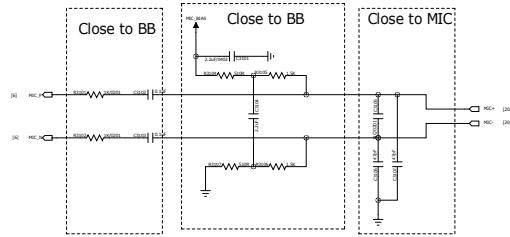
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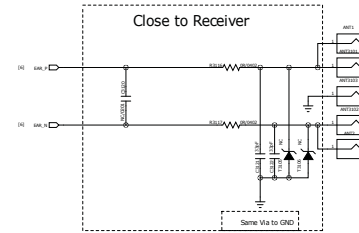


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FOR	DATE	COMMENT	
APPROVAL	DATE	CONFIDENTIAL AND PROPRIETARY	

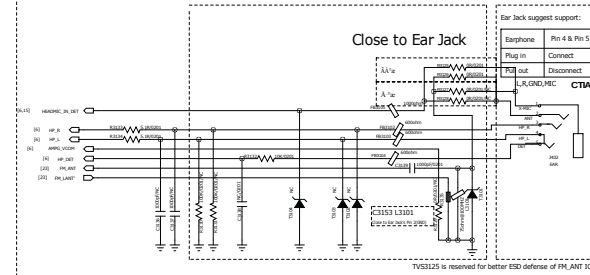
MAIN MIC



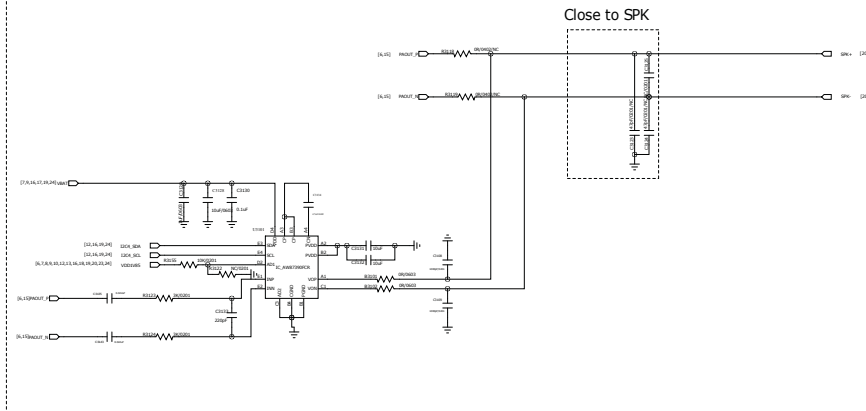
RECEIVER



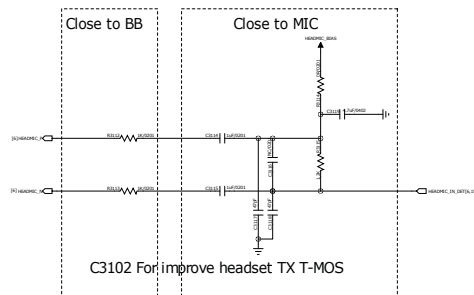
3.5mm Ear Jack TypeC Ear Jack



SPEAKER



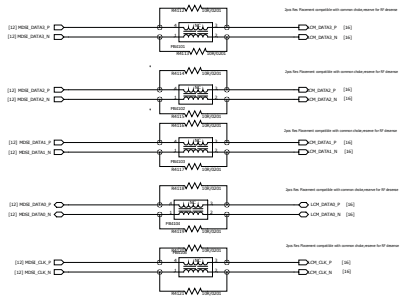
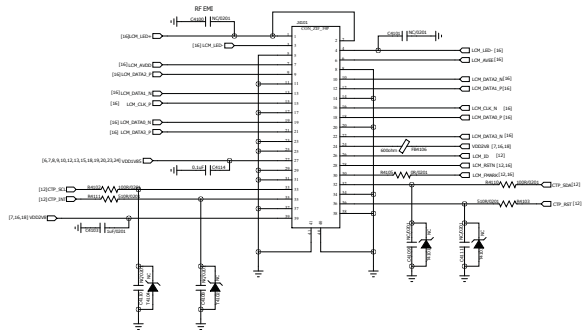
HEAD MIC



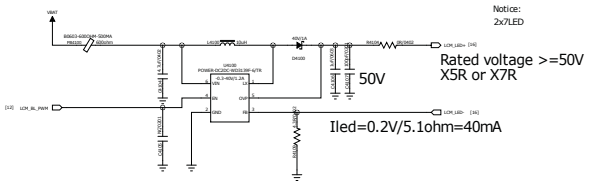
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Document No.	
DESIGNER	DATE
DESIGNED	DATE
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REVISION HISTORY			
REV	REASON	APPROVED	DATE

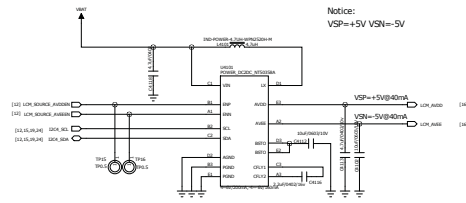
5.99" LCM(MIPI)



Back Light Driver



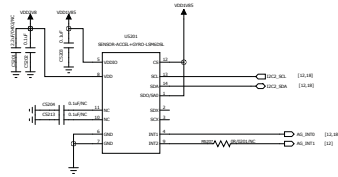
Source Driver



REVISION HISTORY			
REV	REASON	APPROVED	DATE

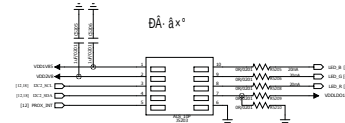
REVISION HISTORY			
REV	DESCRIPTION	APPROVED	DATE

Accelerometer:

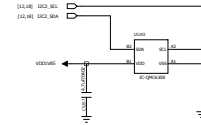


TS210 For ICM20600 FSYNC
 RS216 not NF for ICM20600 when FSYNC not connected
 RS216 NF for LSM6DS/BMI160
 RS215&RS214 NF for BMI160& ICM20600
 CS213 NF for LSM6DS/BMI160
 CS213 not NF for ICM20600

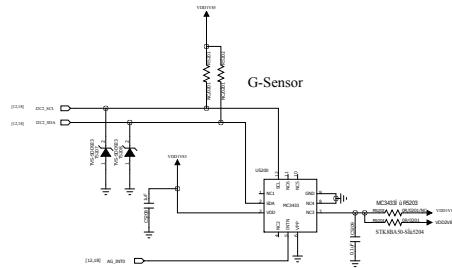
ALS & PROX



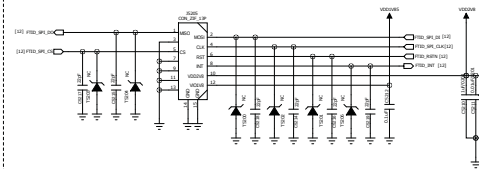
Magnetic Sensor:



G Sensor



FingerPrint ID

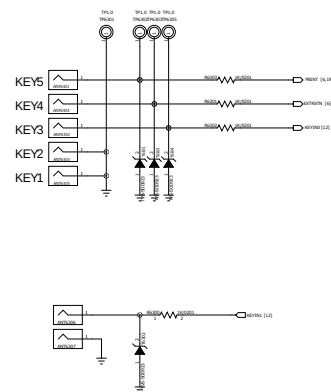


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ECO	DATE	CHECKED	
APPROVED	DATE		
COMPANY AND INFORMATION			

REVISION RECORD			
DATE	DESCRIPTION	APPROVED	BY

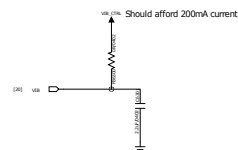
Volume Key + POWER KEY

Two keys Reset :EXTRSTN+PBINT

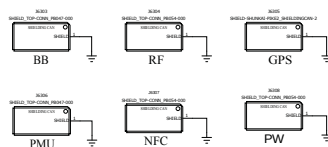


Two keys :EXTRSTN+PBINT

VIBRATOR



SHIELDING



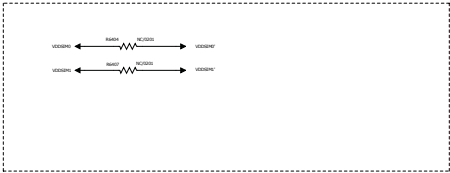
MARK POINT



		TOTAL & SUB:	
		DOCUMENT NO.:	
DESIGNEE:	DATED:	EXPIRY/TERM:	
FOR:	DATED:	COMMENT:	
APPROVED:	DATED:	(SIGNATURES, AND DESIGNATION)	

REVISIONS/REVISED			
REV	REV NO	REVISED	DATE

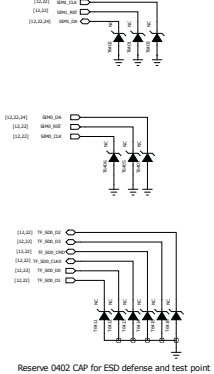
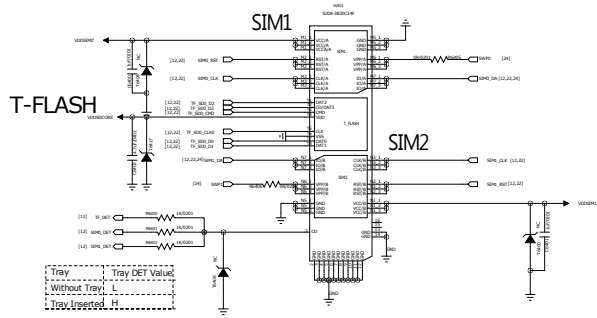
NO NFC



SIM0 & SIM1 & T-Flash

R6404	R6405	R6406	R6407	R6408	R6409
WITH NFC	OR	OR	NF	NF	OR
No NFC	NF	NF	OR	OR	NF

micro/nano sim1+ nano sim2+Tcard

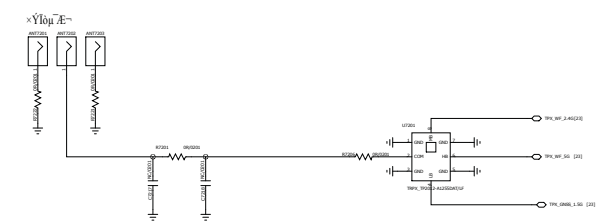


Reserve 0402 CAP for ESD defense and test point

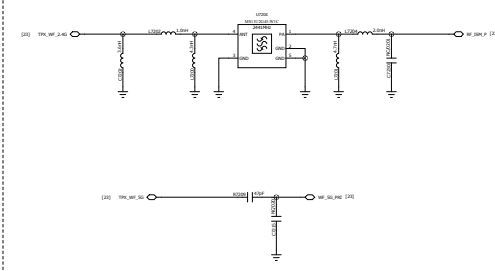
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APPROVAL:	DATE:	CONFIDENTIAL AND PROPRIETARY	

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VER.	REV. NO.	APPROVAL	DATE

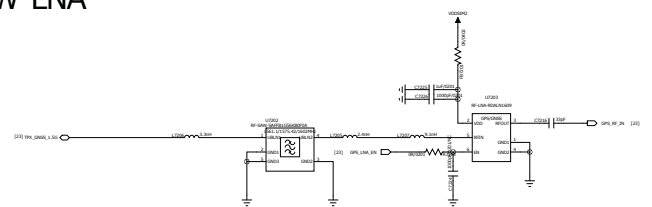
WIFI&BT ANT



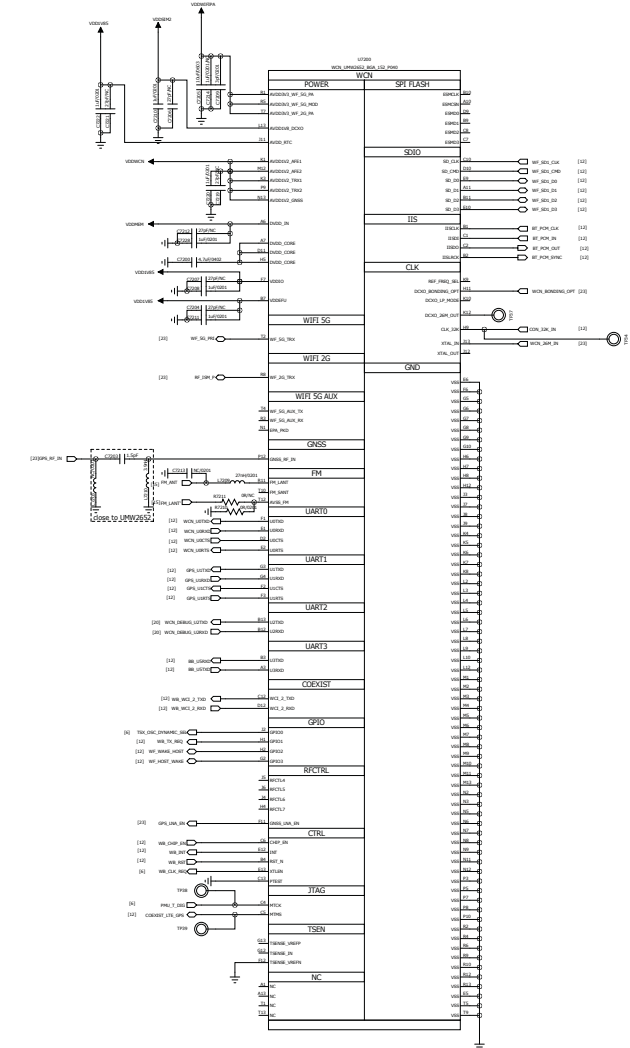
WIFI/BT SAW



GNSS SAW LNA



WCN



Strapping Pin

BONDING OPT	
0	buffer mode
1	XO mode



	R7202	R7205	X7200	R7207	C7223	C7201
TSX (PMU) Only for UM5312	OR	NF	NF	NF	NF	NF
TOCDE* WONE @ for UM5312	NF	OR	TCO	OR	22pF	1uF



DESIGNER		DATE		DRAWN		DATE	
EAP		DATE		CHECKED		DATE	
APPROVAL		DATE		DESIGNER		DATE	
COMPANY NAME/PROJECT NAME							

