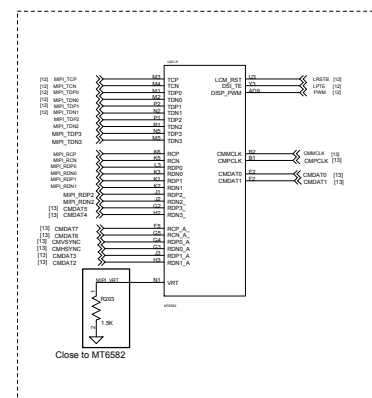


54.9欧姆, 1%, 0402

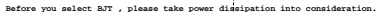


<Parallel Cam./MIPI CSI Mux Table>	

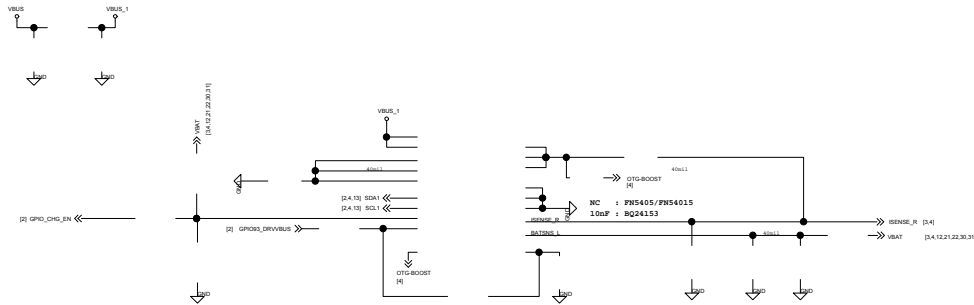
MIPI CSI IF Port	Parallel Camera IF Port
RDP2	CMDAT9
RDN2	CMDAT8
RDP3	CMDAT5
RDN3	CMDAT4
RCP_A	CMDAT7
RCN_A	CMDAT6
RDP0_A	CMVSYNCR
RDN0_A	CMHSYNCR
RDP1_A	CMDAT3
RDN1_A	CMDAT2
CMDAT1	CMDAT1
CMDAT0	CMDAT0
CHICKLE	CHICKLE
CHICKLE	CHICKLE

For earphone & MSDC hotplug EINT,
please choose EINT[0:15]
with HW de-bounce function.

Notice :
Please choose EINT[0:15] with
HW debounce for
mechanism plug in/out related application
Ex: earphone, MSDC, SIM hot-plug



当使用Switching charger :Rsense R328 use 56m ohm

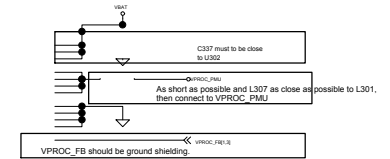
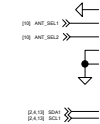


FN5405 R410=10K,R412=NF, C402=NF
FN5402 R410=NF, R412=10K,C402=NF
BQ24158 R410=10K,R412=NF, C402=10nF

If switching charger is used:
(1) R1801-R1805, C1801-C1806, L1801, U1801 are needed
(2) U303, U304 change to NC
(3) R328 change to 56m Ohm

U302 placement, please be close to MT6322
L307 placement, please be close to L301

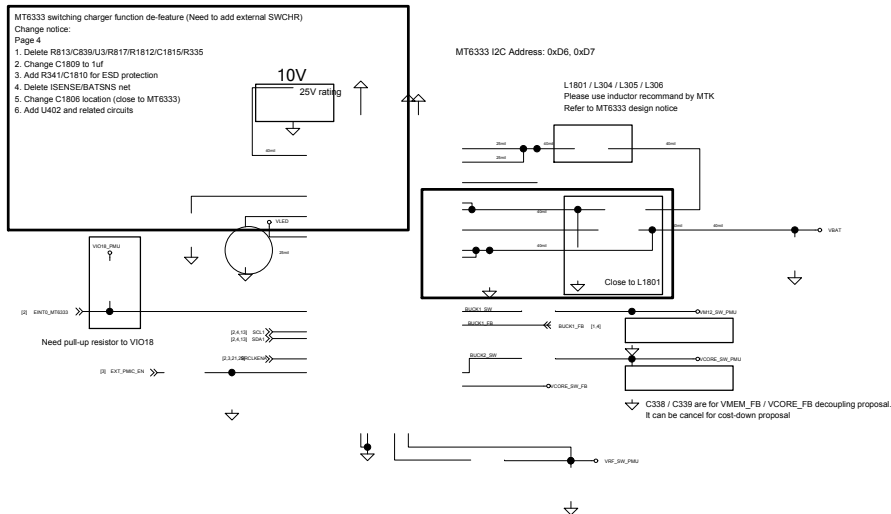
I2C Address
FANS3355: 0xC0
NCP6335D: 0x1C



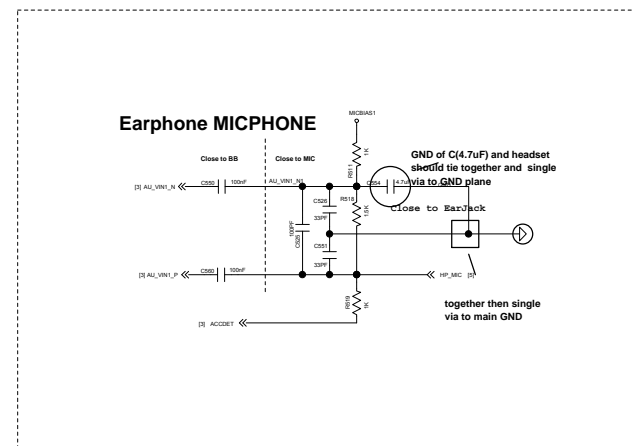
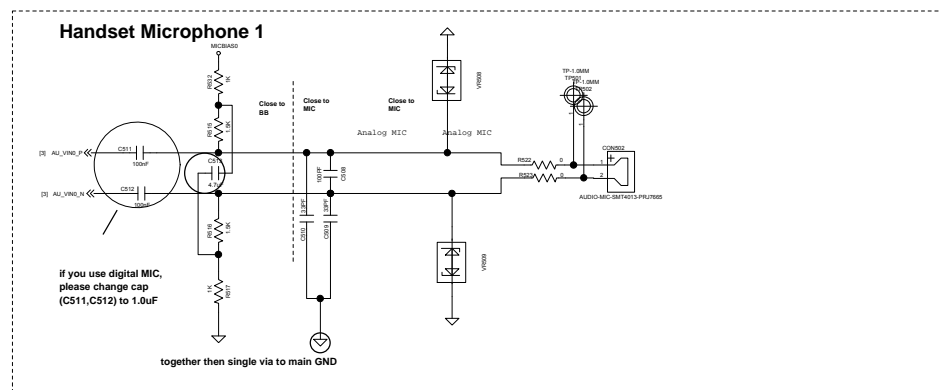
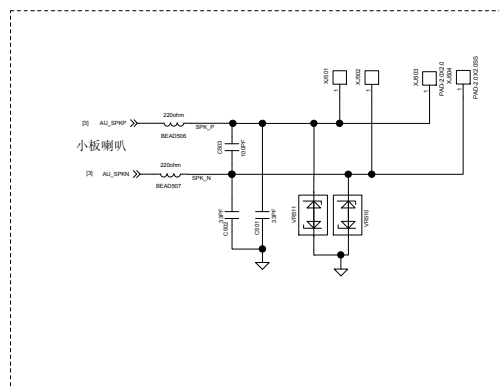
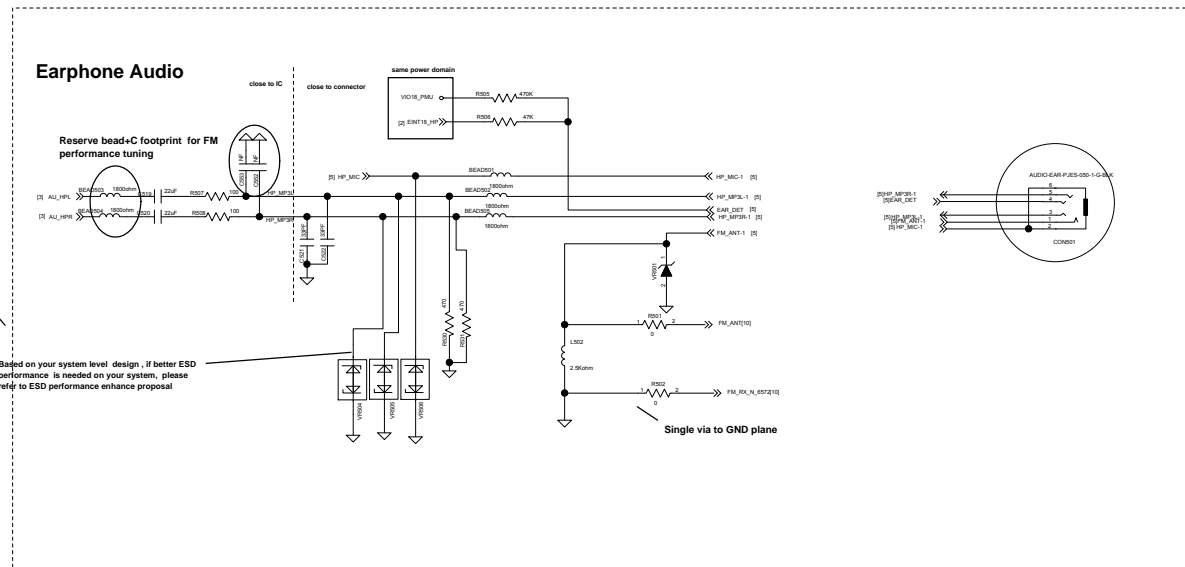
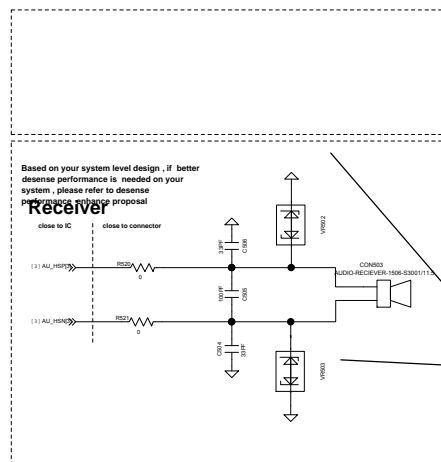
Switching Charger

External DC-DC for VPROC

EXT_PMIC

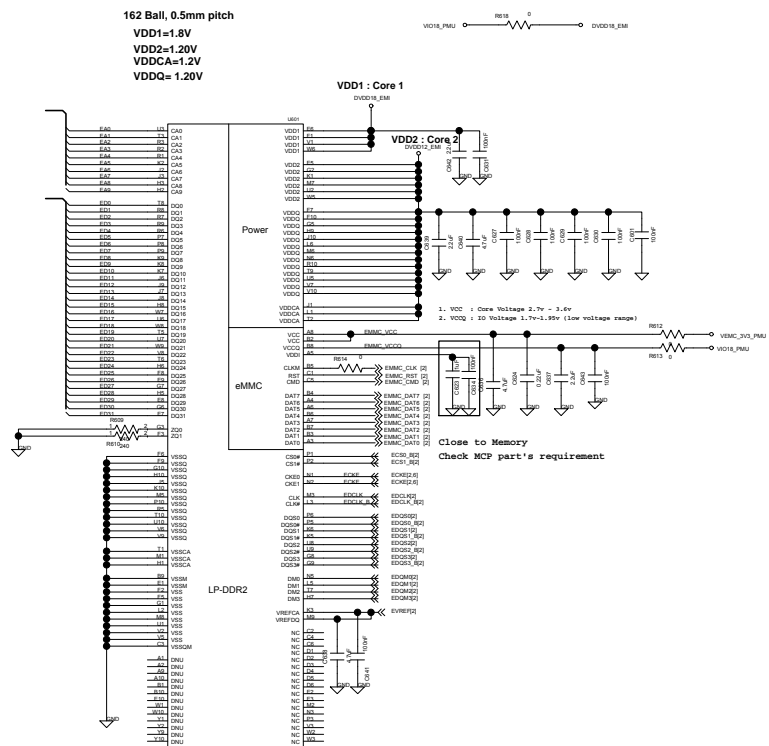


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DOCUMENT NO.	04_POWER_SWCHR_EXT_PMIC	SIZED	A1
DEPARTMENT	Hardware DEPT.		
COMPANY	WINNTECH		
DESIGNER	<DESIGNER>	Last Saved Date	2014-7-30
SHEET	4	OF	33





eMMC+LPDDR2

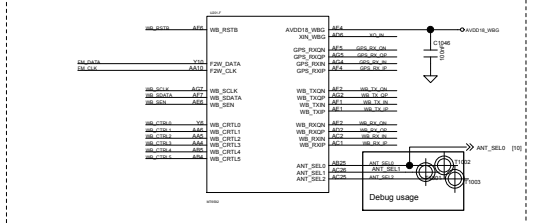
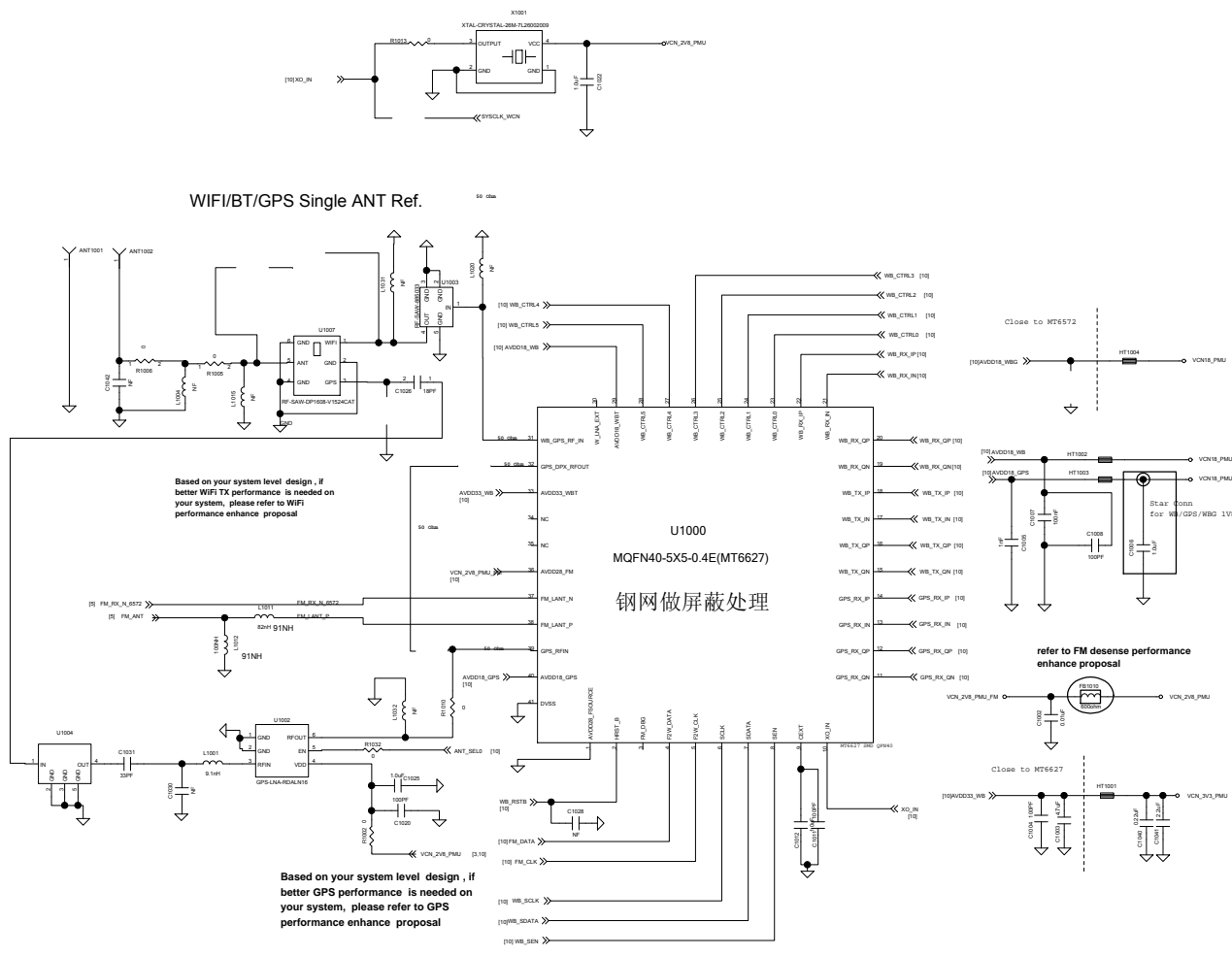
162 Ball, 0.5mm pitch
VDD1=1.8V
VDD2=1.20V
VDDCA=1.2V
VDDQ= 1.20V




BGA162-12X13.5-0.5080 271-HST-1984-MICROPR Micron MT26PZZZ4D4TK5TF-2

TITLE: <TITLE>		REV: <REV>
DOCUMENT NO: 00_RF_MT6166_WCDMA		SIZED: A1
DEPARTMENT: Hardware DEPT.		
COMPANY: 		
DESIGNER: <DESIGNER>	Last Saved Date: 2014-7-30	SHEET: 8 OF 33


TITLE: <TITLE>		REV: <REV>
DOCUMENT NO.: ,09_RF_MT6166_B40	SIZED: A1	
DEPARTMENT:	Hardware DEPT.	
COMPANY:		
DESIGNER: <DESIGNER>	Last Saved Date: 2014-7-30	SHEET: 9 OF 33

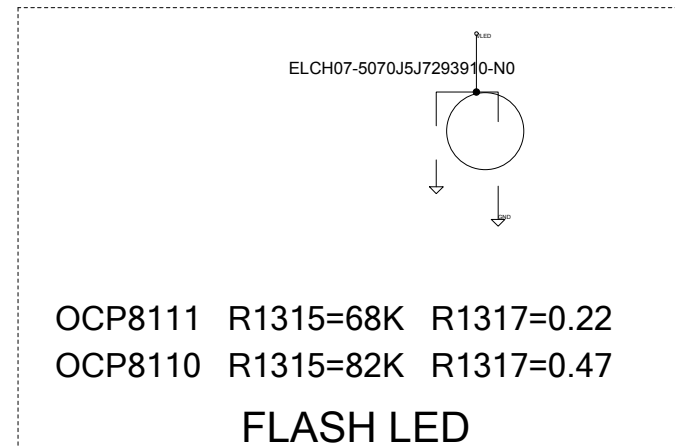
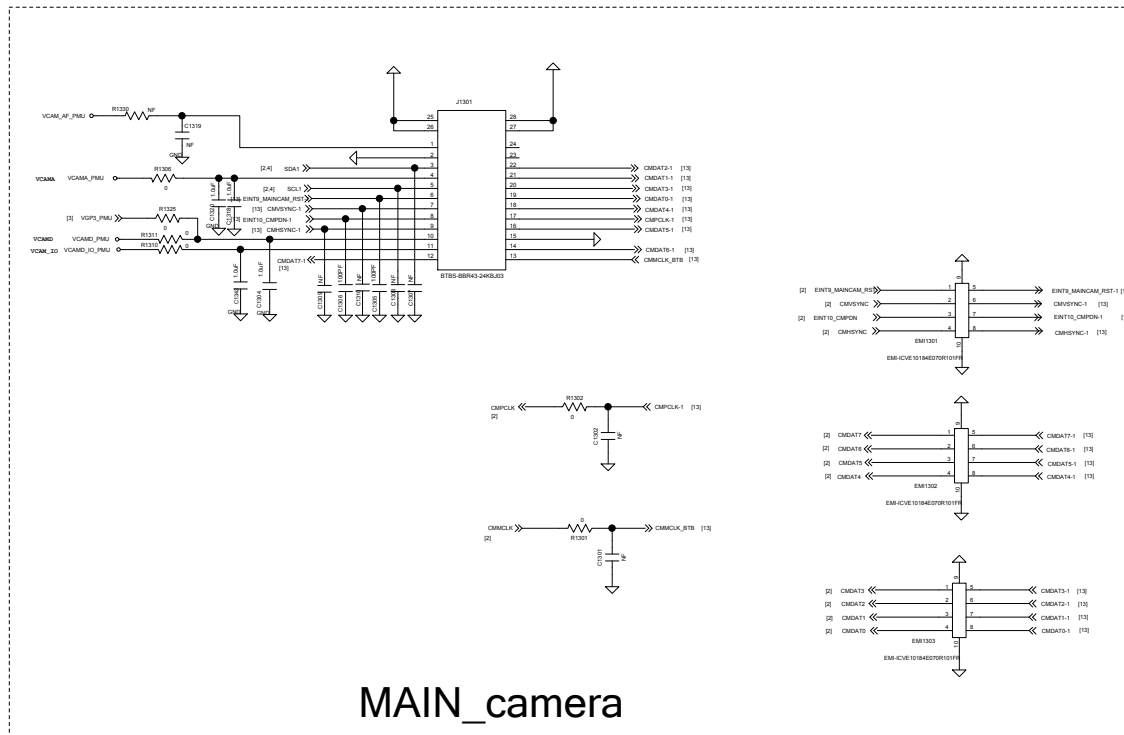


NFC

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DOCUMENT NO.: 11_NFC	SIZED: A1	
DEPARTMENT: Hardware DEPT.		
COMPANY: 		
DESIGNER: <DESIGNER>	Last Saved Date: 2014-7-30	SHEET: 11 of 33



TITLE: <TITLE>		REV: <REV>
DOCUMENT NO:	12_LCD_CTP_SIDEKEY	SIZED: A1
DEPARTMENT: Hardware DEPT.		
COMPANY: 		
DESIGNER: <DESIGNER>	Last Saved Date: 2014-7-30	SHEET: 12 OF 33

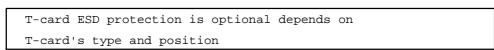


light sensor 0x90 Write(STK3171)
light sensor 0x46 Write (LTR-558ALS)

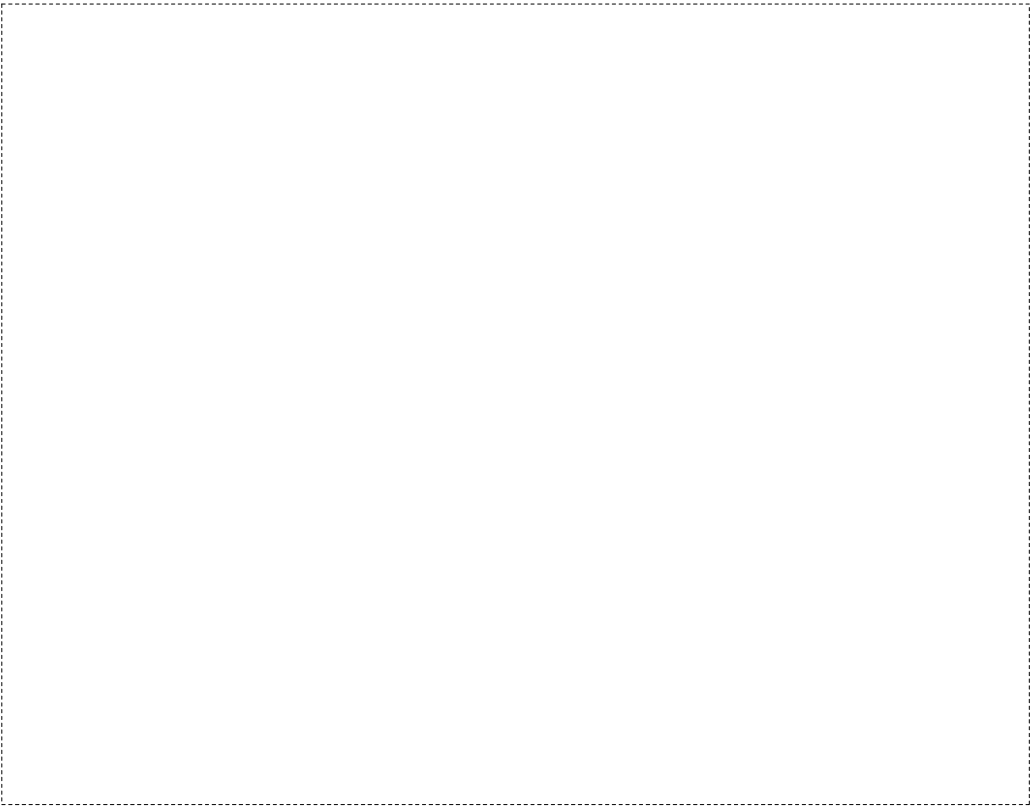
Main Camera / Sub Camera share power domain design
should double check the voltage level is compatible


[illegible]

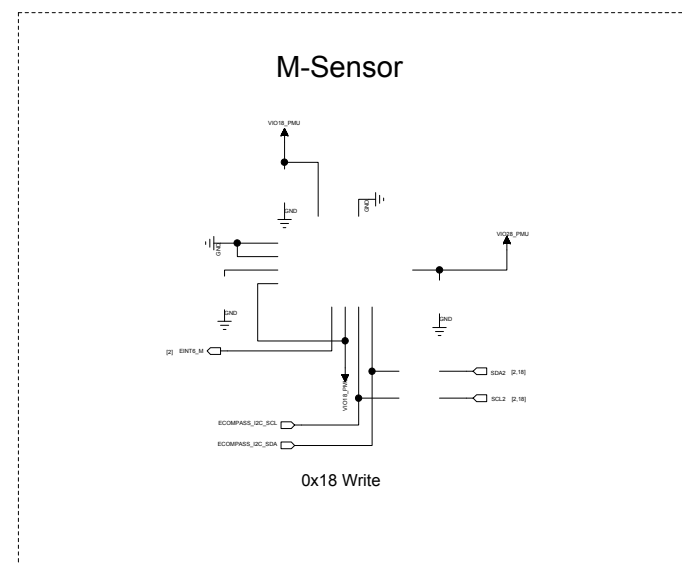
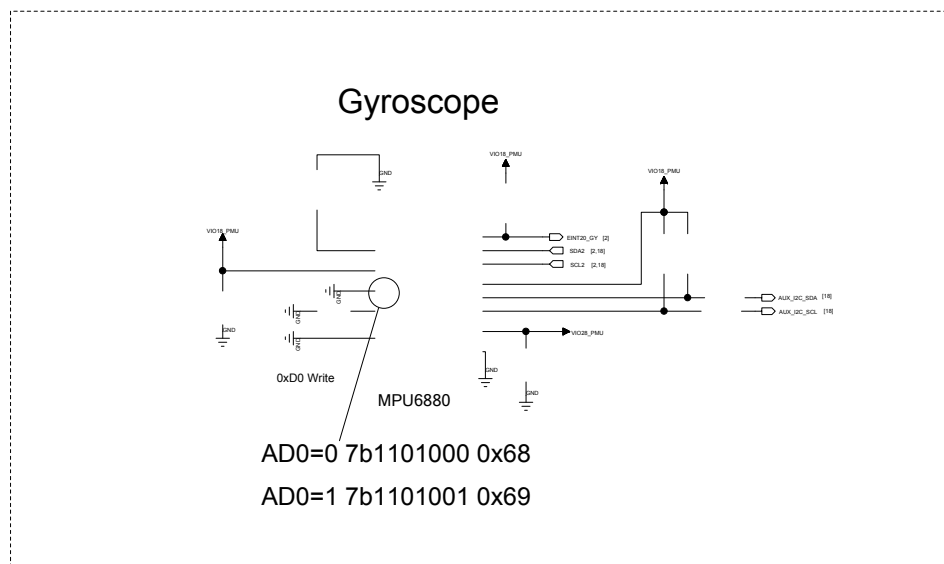
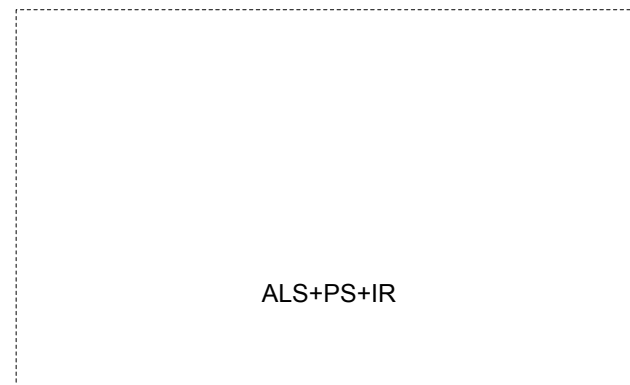
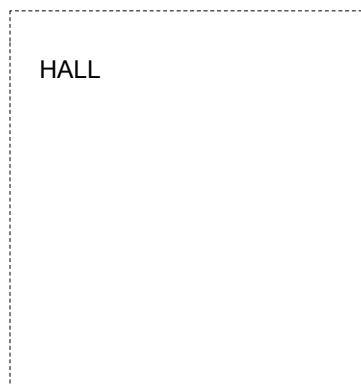
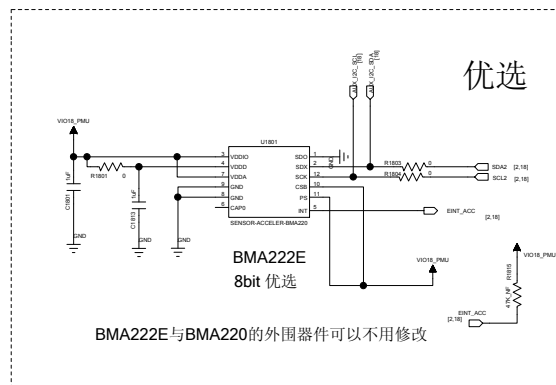
1. 为方便软件调试打LOG，将UTXD0接至USB接口的Pin 4；
2. 如果有OTG功能，R708=0 欧姆

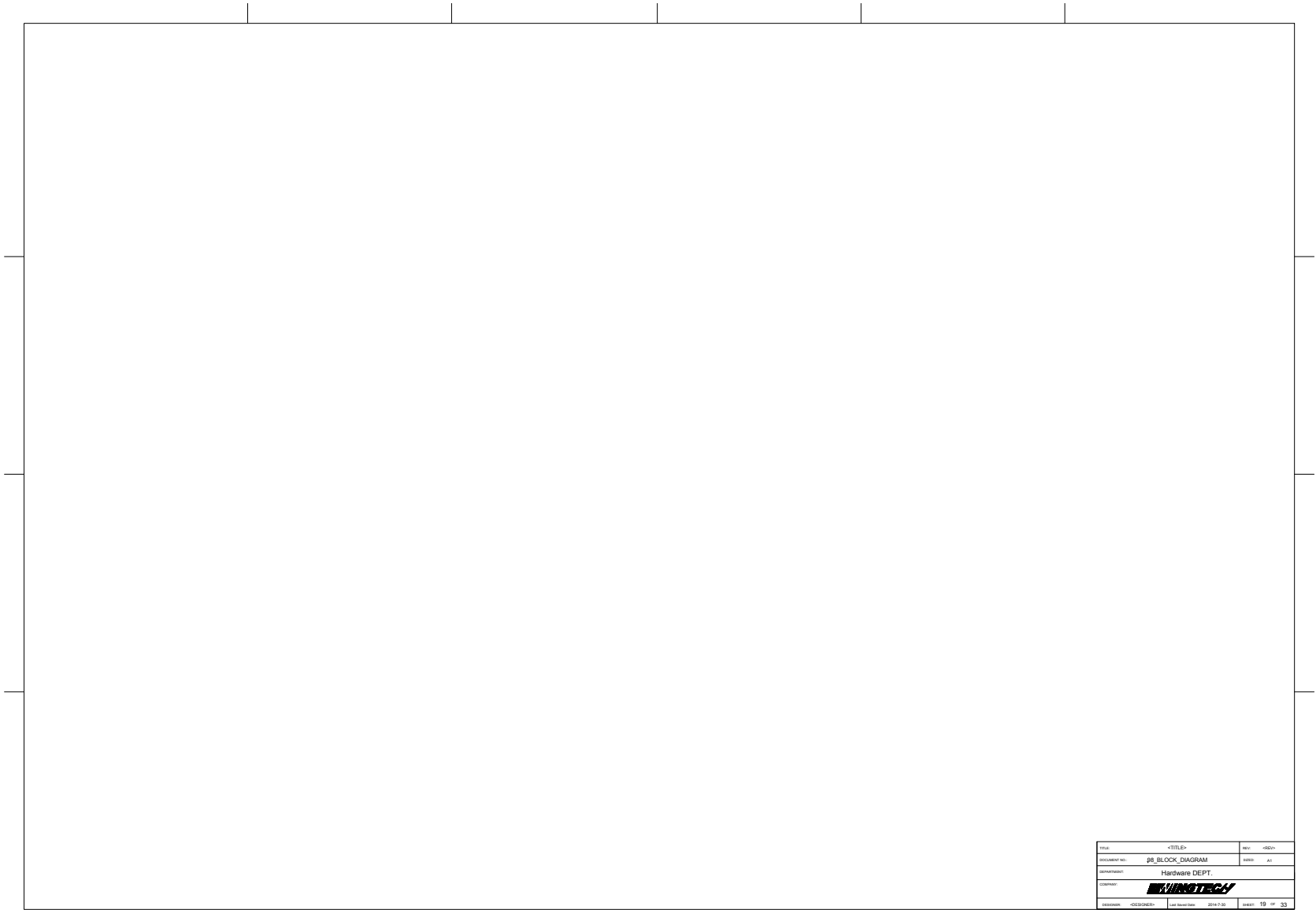


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DOCUMENT NO.:	15_DUAL_SIM	SIZED:	A1
DEPARTMENT:	Hardware DEPT.		
COMPANY:	WINGTECH		
DESIGNER:	<DESIGNER>	Last Saved Date:	2014-7-30
		SHEET:	15 OF 33



TITLE: <TITLE>		REV: <REV>
DOCUMENT NO: ,16_MEMORY_CARD		SIZED: A1
DEPARTMENT: Hardware DEPT.		
COMPANY: 		
DESIGNER: <DESIGNER>	Last Saved Date: 2014-7-30	SHEET: 16 OF 33

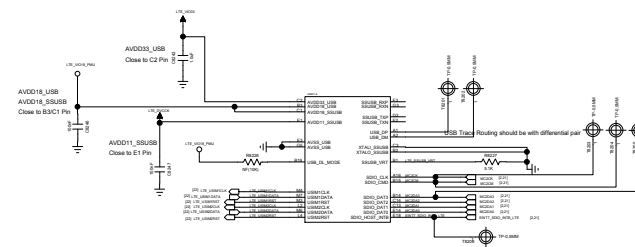


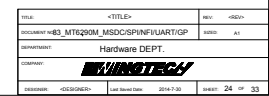


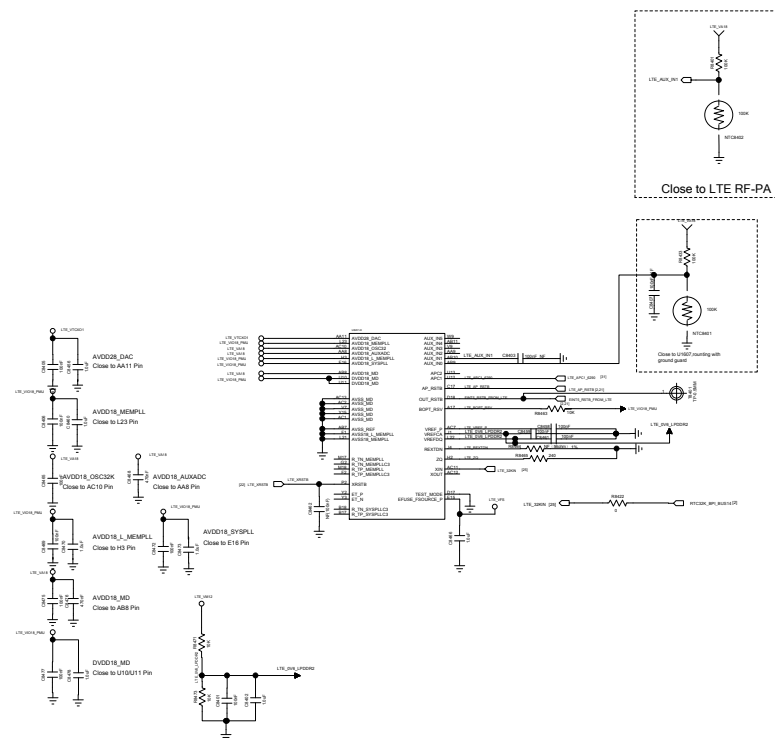
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DOCUMENT NO: 00_BLOCK_DIAGRAM		SHEET: A1
DEPARTMENT: Hardware DEPT.		
COMPANY: 		
DESIGNER: <DESIGNER>	LAST SAVED DATE: 2016-7-30	SHEET: 19 OF 33

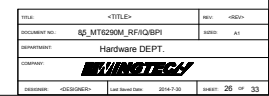
Version History

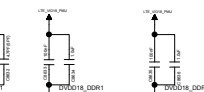
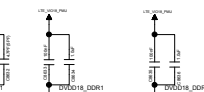
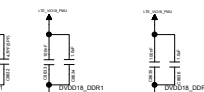
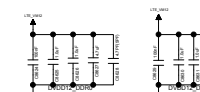
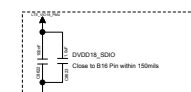
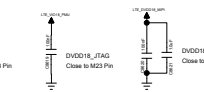
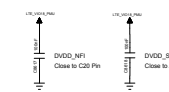
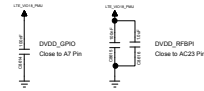
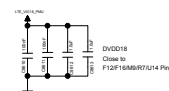
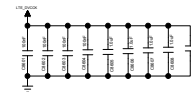
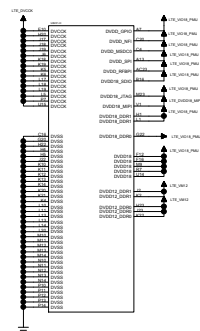
Date	Version	Page	Description
2013/03/11	V0.1		Draft release
2013/03/22	V0.11	01	1. Add R107/R103 2. Delete R805/R107
		03	1. Add R326/R328
		04	1. Delete U1802 and related circuit 2. Add U401 and related circuit
		06	1. Add R418
		07	1. Delete R636/R634
		10	1. Swap U2 (MT6927) pin 36, 37 and 38 and their circuitry. 2. Remove R1070, R1073 3. F201 change footprint to DIPLEXER8PISMD/DP1608
		15	1. Change C1218,C1219 to 22pF, Change C1214,C1215 to 1.2pF, Change C1216,C1217 to 68pF , Change c1203 4.7uF
2013/03/22	V0.12	1	1. Remove C138, c153, C145, Change C140, C148 to 1u
		3	1. Add C353, R339, C243 2. Modify Isense trace.
		7 8 9	1. Update RF matching (L615, L600, L619, L616, L622, C670, L623, L626, L625, C629, C627, C603, C662, C664, L617, C624, R617, C691, C655, C652, L610, C648, C657, L609, L608, L611, C649, C626, L607, R620, C634, L631, L627, L629, L636)
		1 3 6 12	1. Add R360~R367, R101, R108, R105, R106, R109, R102, R104, R116, R117, R118, R115, R114, R113, R111 R416, R512, R513, R915, R916 for low-power testing
		10	1. C222 change to 4.7uF
		12	1. Add C914 / R904



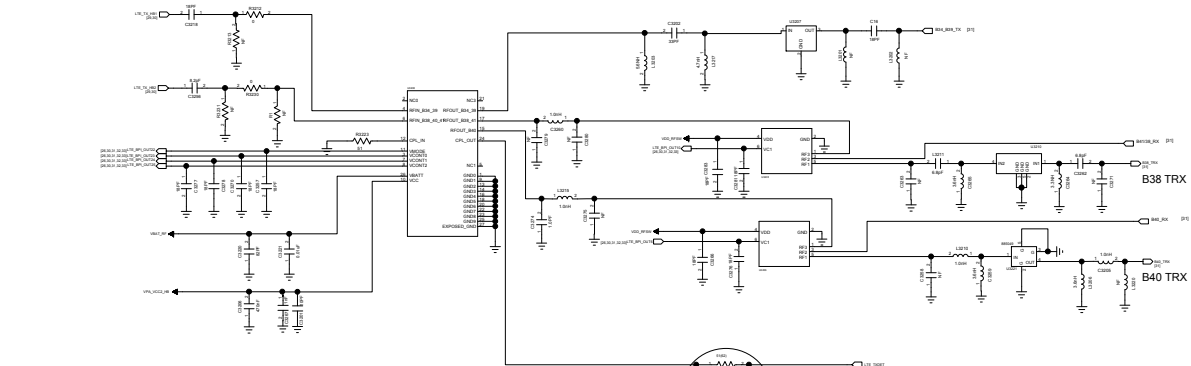




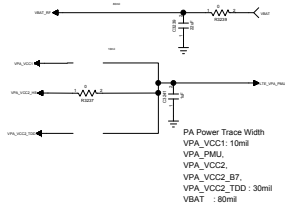




TITLE:	<TITLE>		REV:	<REV>
DOCUMENT NO.:	30_RF_MT6165_2G_TRX		FIGS:	A1
DESCRIPTION:	Hardware DEPT.			
COMPANY:				
DESIGNER:	<DESIGNER>	Last Saved Date:	2014-7-30	Sheet 28 of 33



Power Net Connection



R3115 R3116 105欧姆
MTK参考设计 R3114 R3115 R3116 0201封装



BPI config

BPI	AT	DRX
BPI0	AT	DRX
BPI1	AT	DRX
BPI2	AT	DRX
BPI3	AT	DRX
BPI4	AT	DRX
BPI5	AT	DRX
BPI6	AT	DRX
BPI7	AT	DRX
BPI8	AT	DRX
BPI9	AT	DRX
BPI10	AT	DRX
BPI11	AT	DRX
BPI12	AT	DRX
BPI13	AT	DRX
BPI14	AT	DRX
BPI15	AT	DRX
BPI16	AT	DRX
BPI17	AT	DRX
BPI18	AT	DRX
BPI19	AT	DRX
BPI20	AT	DRX
BPI21	AT	DRX
BPI22	AT	DRX
BPI23	AT	DRX
BPI24	AT	DRX
BPI25	AT	DRX
BPI26	AT	DRX
BPI27	AT	DRX
BPI28	AT	DRX
BPI29	AT	DRX
BPI30	AT	DRX
BPI31	AT	DRX
BPI32	AT	DRX
BPI33	AT	DRX
BPI34	AT	DRX
BPI35	AT	DRX
BPI36	AT	DRX
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BPI39	AT	DRX
BPI40	AT	DRX
BPI41	AT	DRX
BPI42	AT	DRX
BPI43	AT	DRX
BPI44	AT	DRX
BPI45	AT	DRX
BPI46	AT	DRX
BPI47	AT	DRX
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BPI95	AT	DRX
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BPI97	AT	DRX
BPI98	AT	DRX
BPI99	AT	DRX

PA Mode to MT8169 (BKV77781)



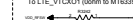
MPI (To MT8200B339)



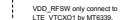
To LTE_VTCK01 (BKV77781)



VDD_RFSW only connect to



PA Power



32_RF_MT8169_RF_TX
MTK Confidential

DRX ANT: 1880~2690MHz

