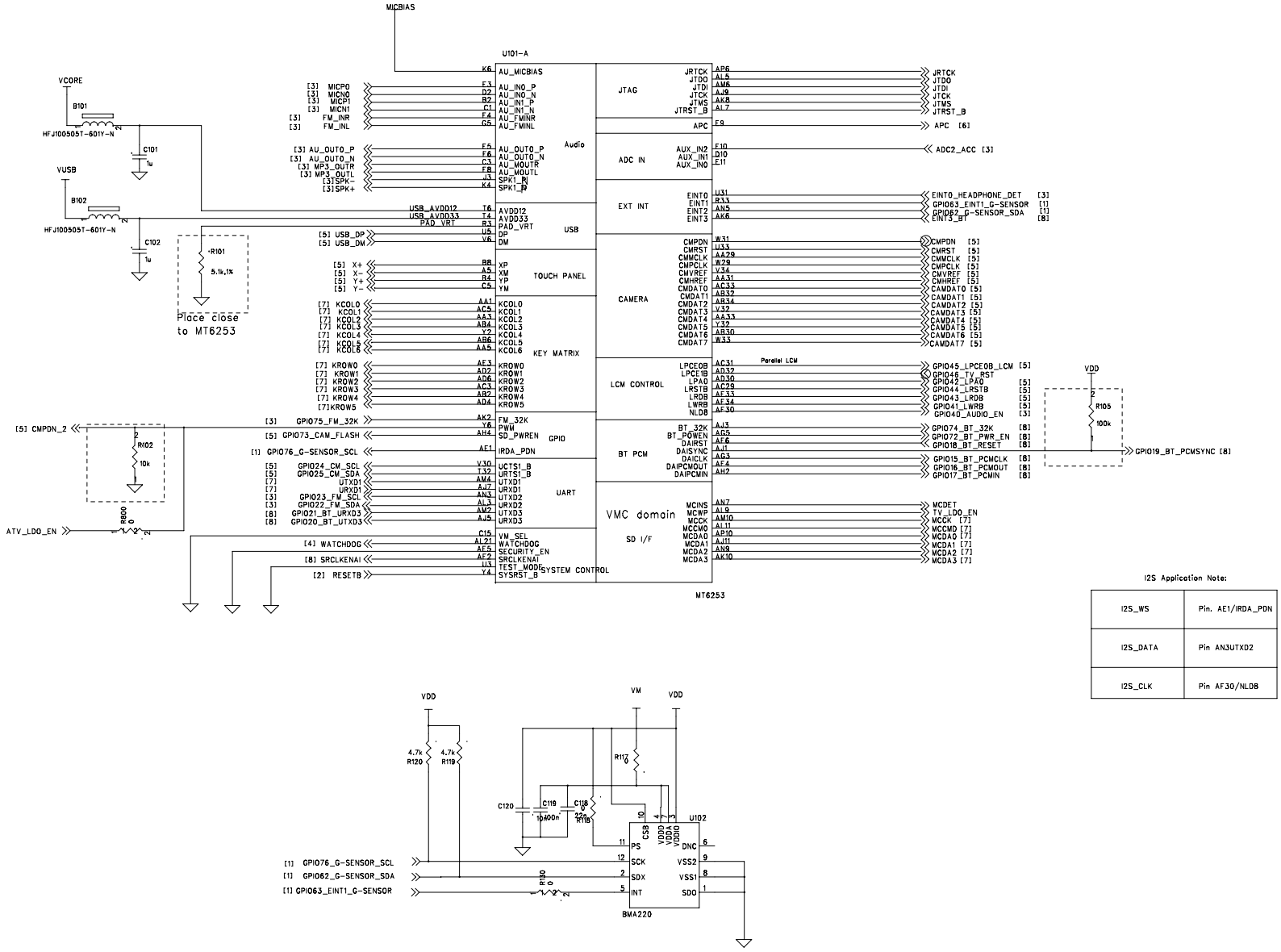
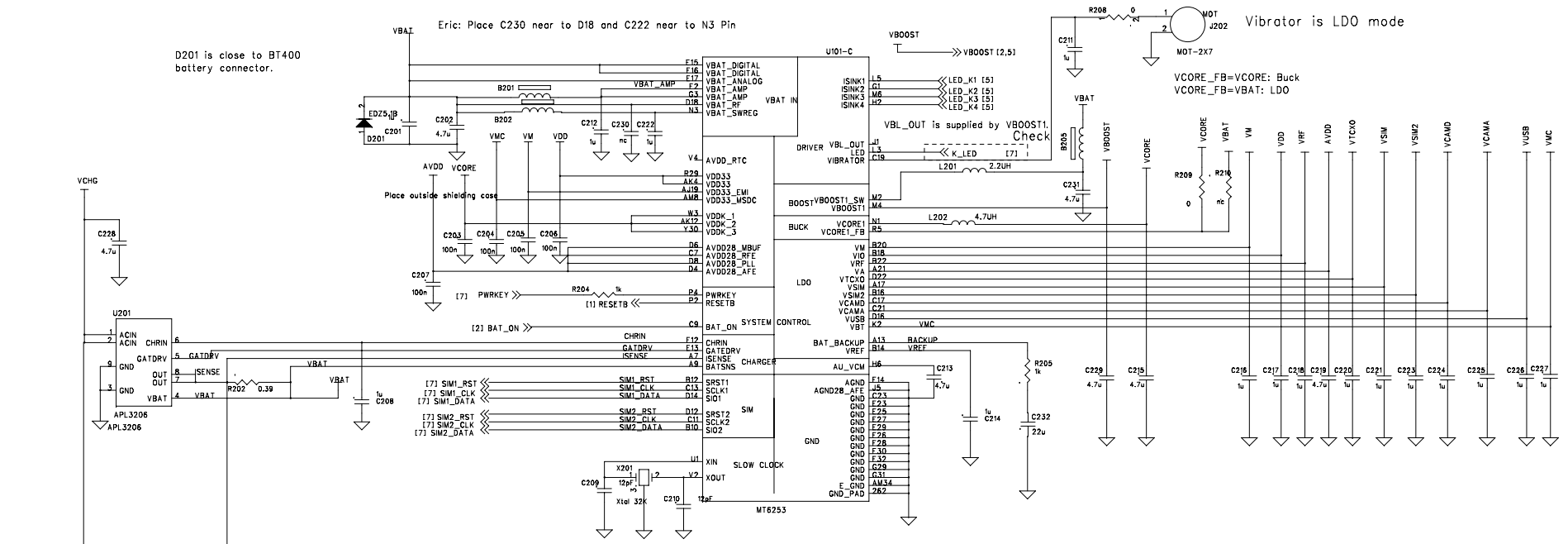
BASEBAND



I2S Application Note:

I2S_WS	Pin. AE1/IRDA_PDN
I2S_DATA	Pin AN3UTXD2
I2S_CLK	Pin AF30/NLDB

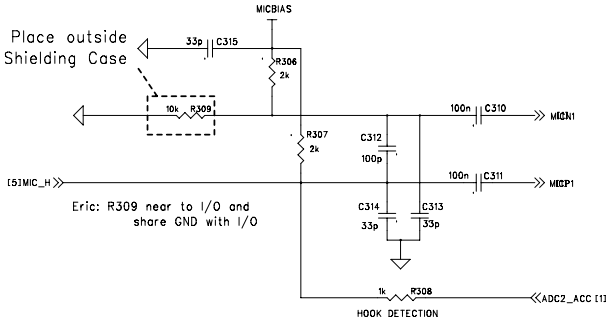
BASEBAND-POWER

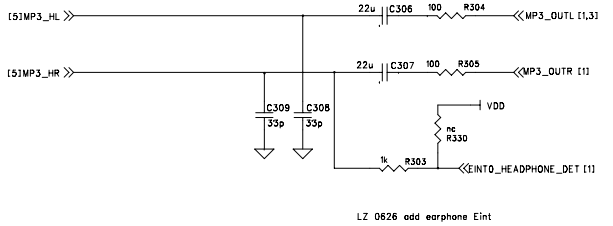


	Symbol	Vout (V)	Iout (mA)	Setting
Buck	VCORE	1.2	200	
RF LDO	VRF	2.8	200	
Analog LDO	VTCXO	2.8	20	
	VA	2.8	125	
	VCAM_A	1.5/1.8/2.5/2.8	150	
Digital LDO	VM	1.8/2.8	200	VM_SEL
	VIO	2.8	100	
	VSIM	1.8/3.0	100	
	VUSB	3.3	100	
	VBT	1.3/1.5/1.8/2.5/2.8/3.0/3.3	100	
	VCAM_D	1.3/1.5/1.8/2.5/2.8/3.0/3.3	100	
	VSIM2	1.3/1.5/1.8/2.5/2.8/3.0/3.3	100	
Vibrator	VIBR	1.8/3.0	200	
RTC	VBACKUP	2.8	2	
Boost Converter	VBOOST1	3.4~5.5	100	

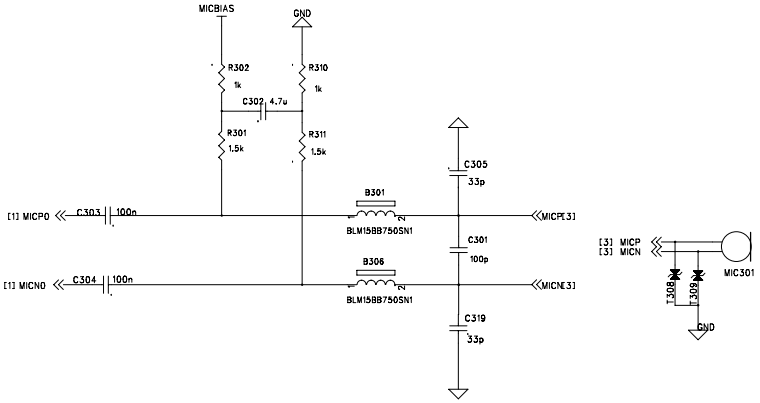
Title	02 Power & PMIC (MT6253)	
Size A2	Document Number Mars53	Rev V3.0
Date: Wednesday, February 03, 2010	Sheet 2 of 9	

Earphone

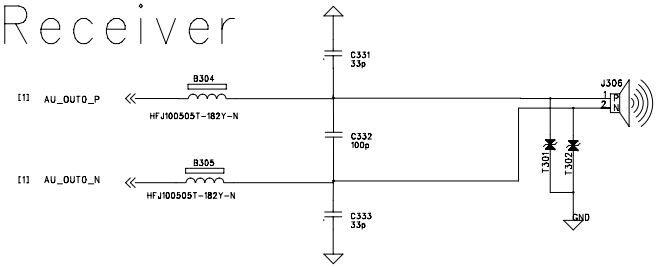




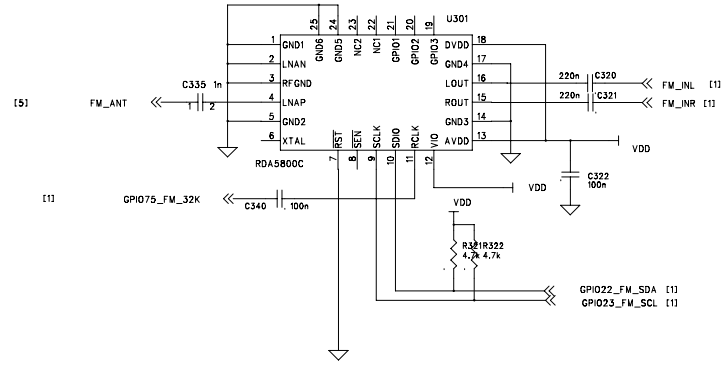
MAIN MIC

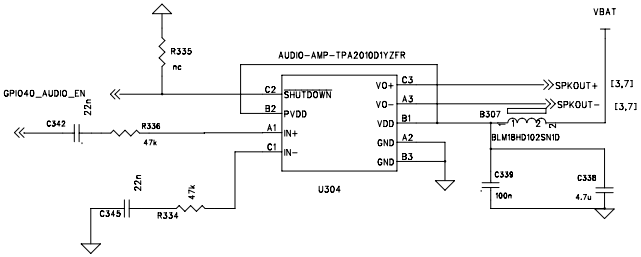


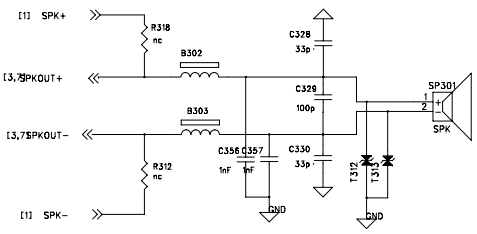
Receiver



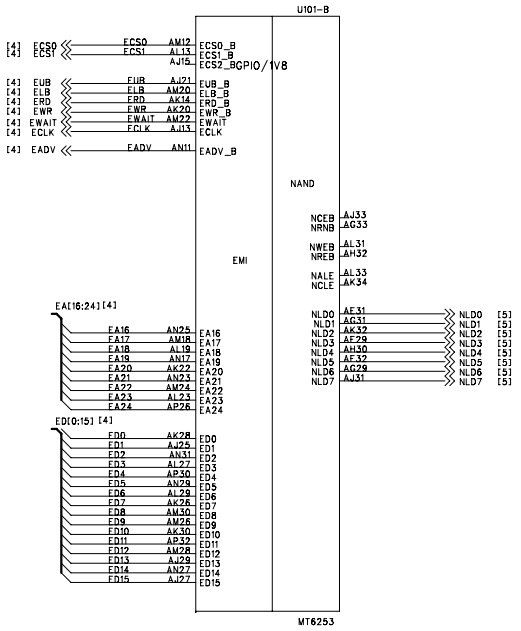
FM

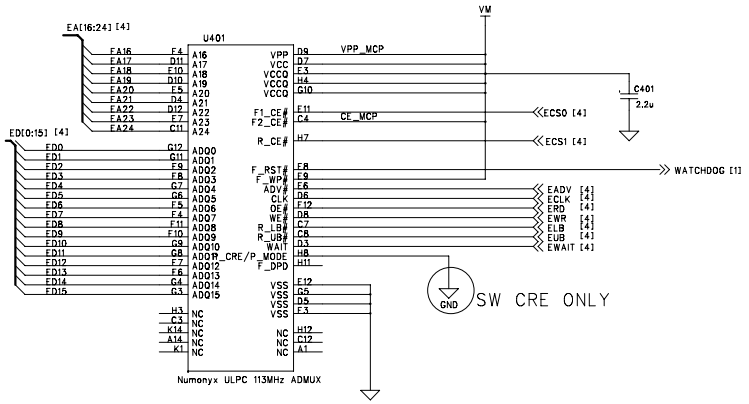






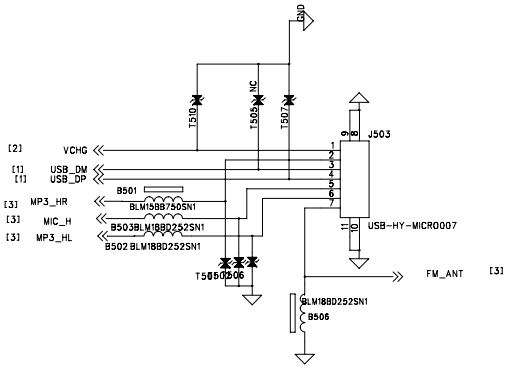
BASEBAND–MCP INTERFACE



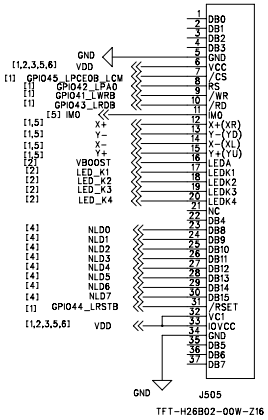


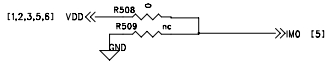
Numonyx ULPC 113MHz ADMUX	6.2*7.7 113MHz
Toshiba 108MHz ADMUX	7.1*10.1 108MHz
Numonyx ULPC	8*8 104MHz
Samsung ULPC 113MHz ADMUX	8*9.2 108MHz
Samsung 108MHz ADMUX	6*6 108MHz

I/O

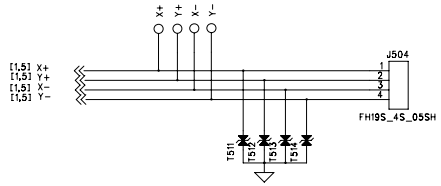


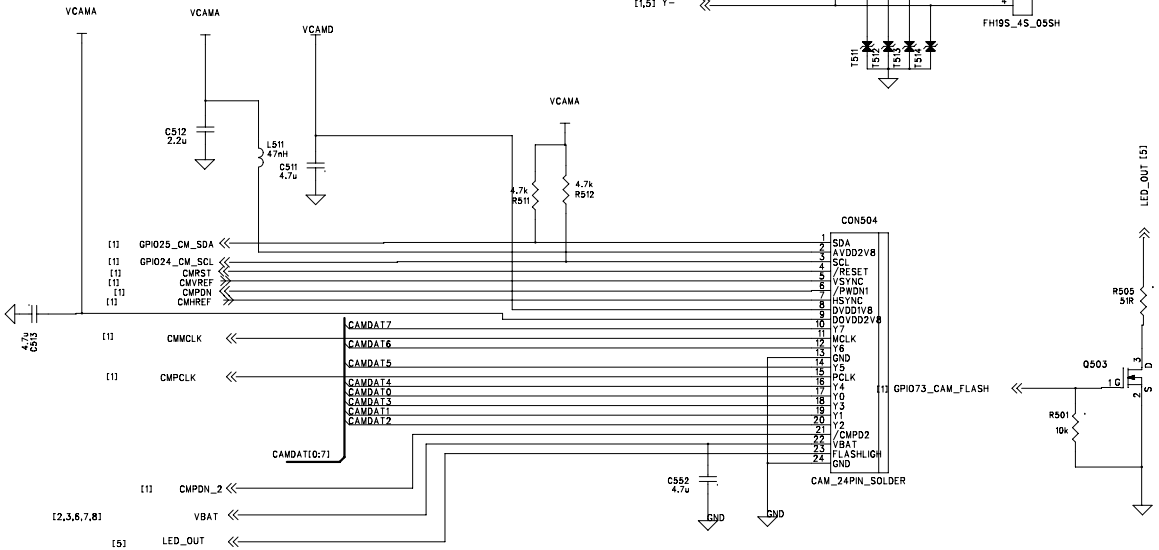
2.6 LCD

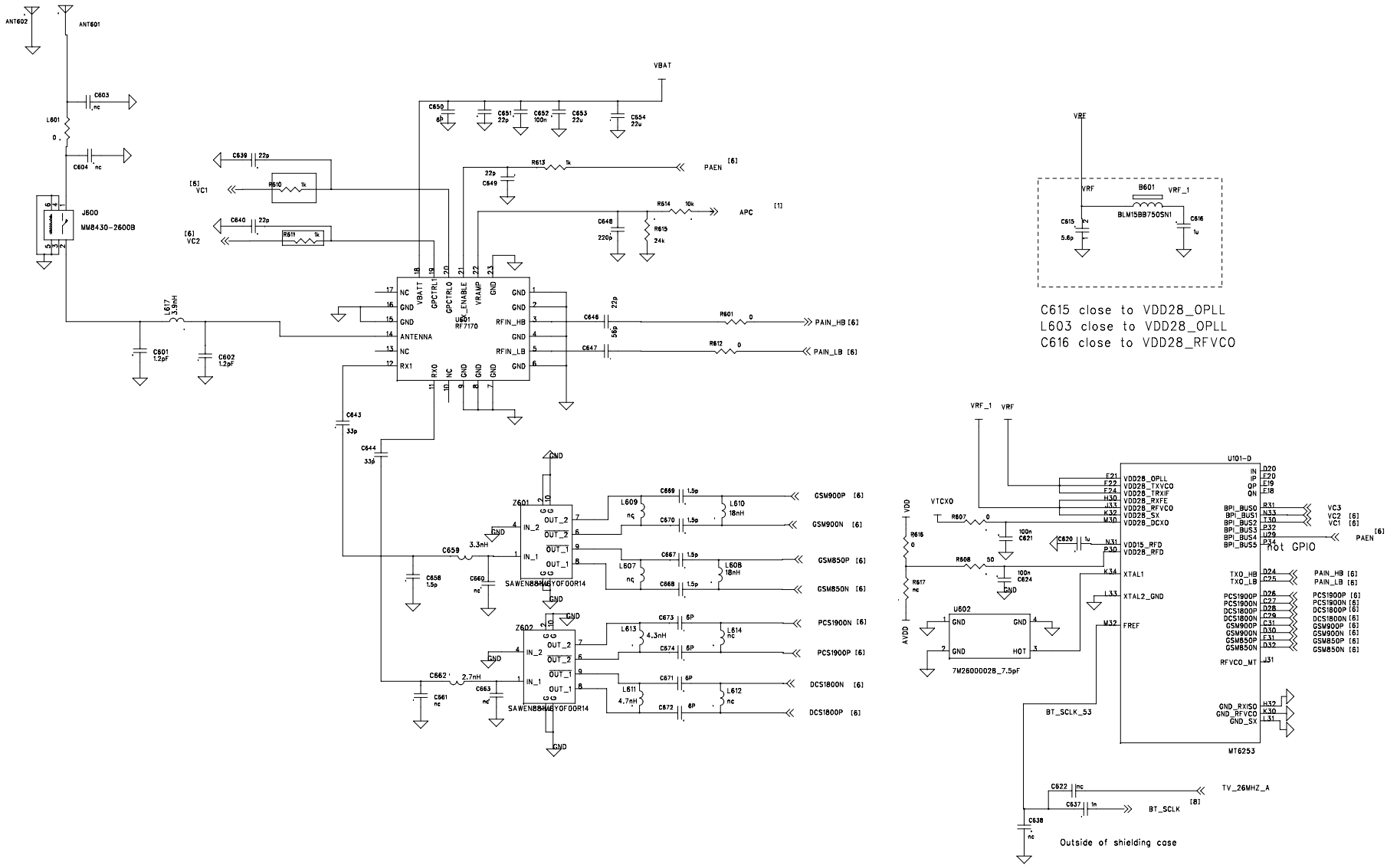




Sensor Interface

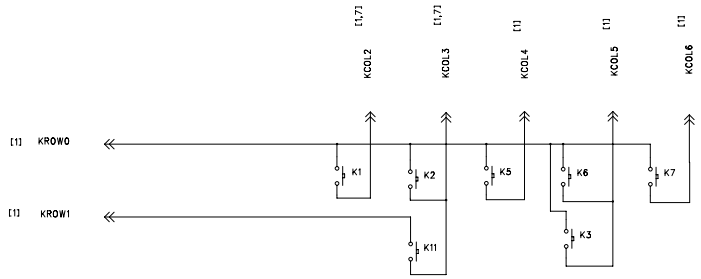


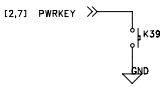


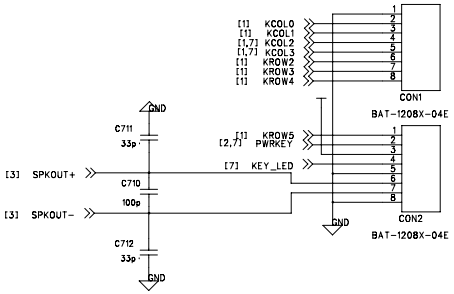


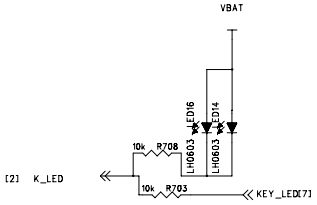
C615 close to VDD28_OPLL
L603 close to VDD28_OPLL
C616 close to VDD28_RFVCO

key

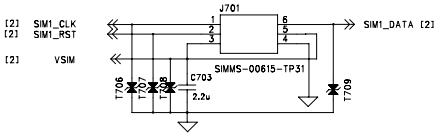


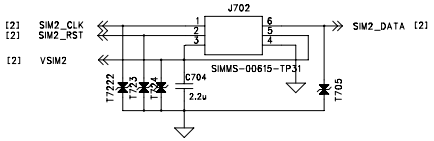


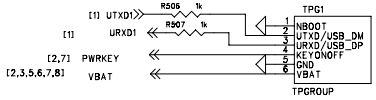




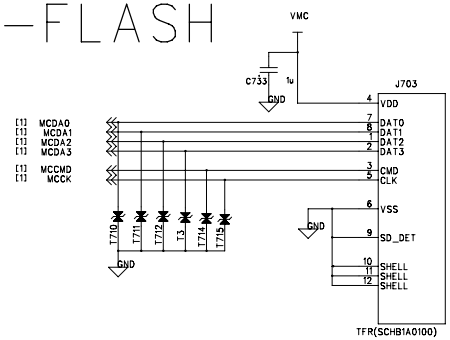
SIM



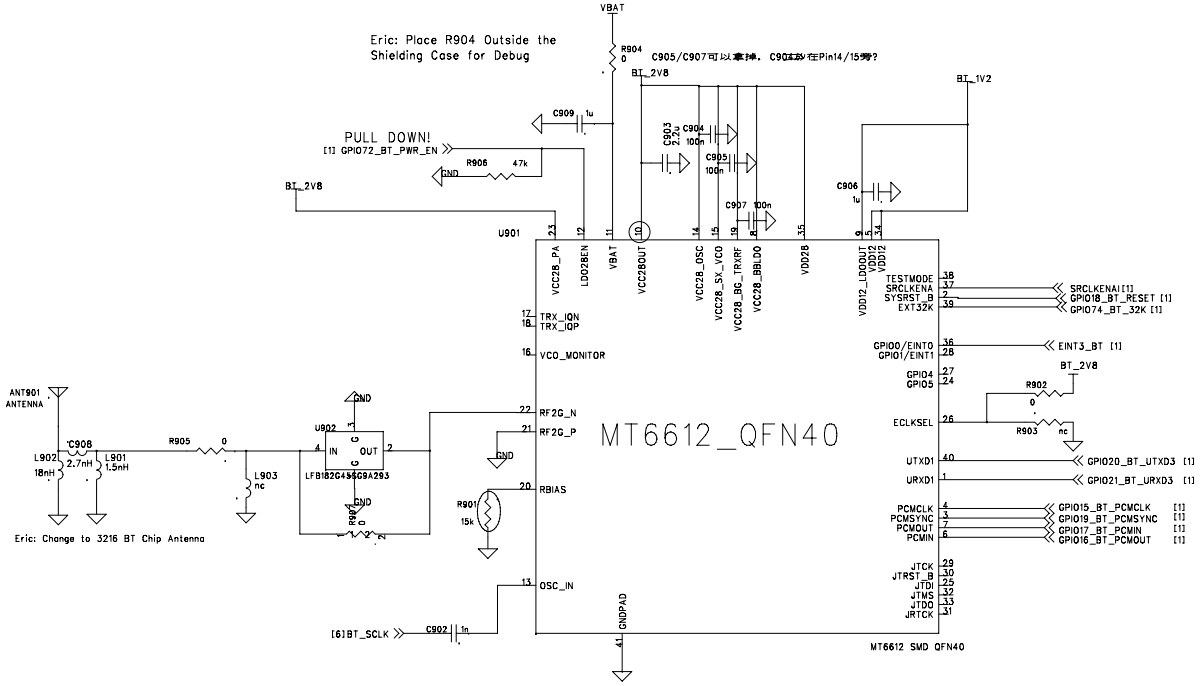




T-FLASH



MT6612


Eric: Place R904 Outside the Shielding Case for Debug
VBAT
R904 0
C905/C907可以拿掉，C904在Pin14/15旁?
BT_2V8
BT_1V2
C909 1u
PULL DOWN!
[1] GPIO72_BT_PWR_EN
R906 4.7k
GND
C903 2.2u
C904 100n
C905 100n
C907 100n
C906 1u
U901
MT6612_QFN40
VCC28_PA
LDO28EN
VBAT
VCC28OUT
VCC28_OSC
VCC28_SX_VCO
VCC28_BG_TRXRF
VCC28_BBLDO
VDD28
VDD12_LDOOUT
VDD12
VDD12
TESTMODE
SRCLKENA
SYSRST_B
EXT32K
SRCLKENAI [1]
GPIO18_BT_RESET [1]
GPIO74_BT_32K [1]
TRX_ION
TRX_IQP
VCO_MONITOR
GPIO0/EINT0
GPIO1/EINT1
EINT3_BT [1]
GPIO4
GPIO5
ECLKSEL
R902 0
R903 nc
RF2G_N
RF2G_P
RBIAS
R901 15k
OSC_IN
[6]BT_SCLK
C902 1n
GNDPAD
UTXD1
URXD1
GPIO20_BT_UTXD3 [1]
GPIO21_BT_URXD3 [1]
PCMCLK
PCMSYNC
PCMOUT
PCMIN
GPIO15_BT_PCMCLK [1]
GPIO19_BT_PCMSYNC [1]
GPIO17_BT_PCMIN [1]
GPIO16_BT_PCMOUT [1]
JTCK
JTRST_B
JTDI
JTMS
JTDO
JRTCK
MT6612 SMD QFN40
ANT901
ANTENNA
C908 2.7nH
L902 18nH
L901 1.5nH
R905 0
L903 nc
U902
IN
OUT
LFB182G45SG9A293
R907 0
Eric: Change to 3216 BT Chip Antenna