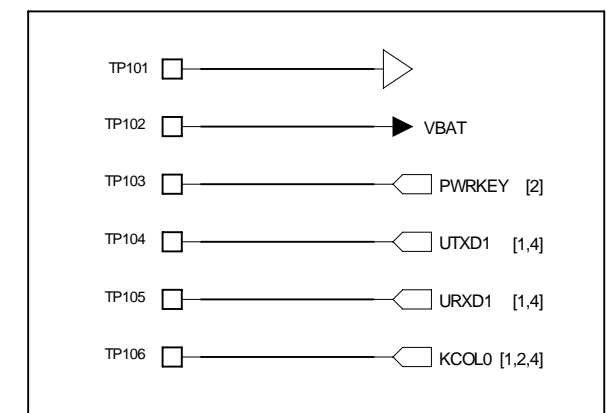


I2S Application Note:

I2S_MS	Pin. AE1/IRDA_PEN
I2S_DATA	Pin AN3UTXD2
I2S_CLK	Pin AF30/NLD8

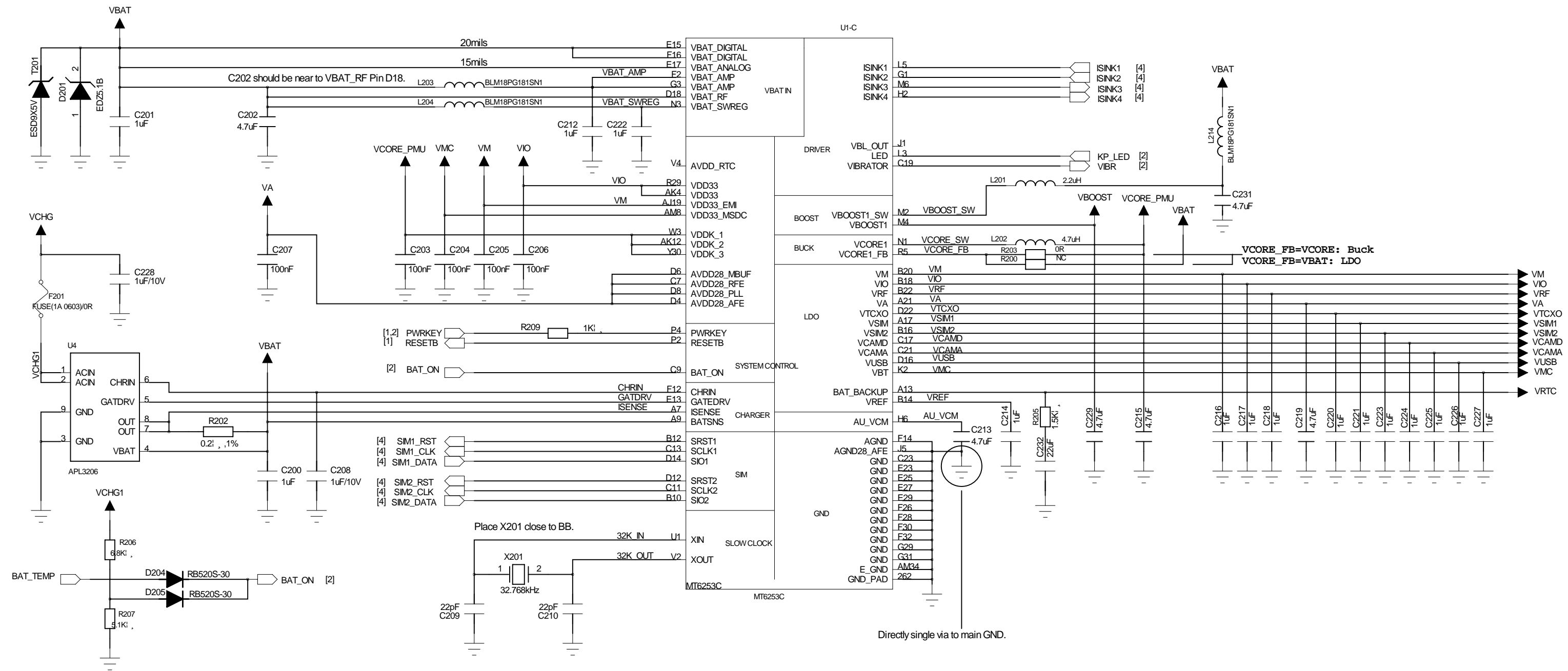


- MARK101
- MARK102
- MARK103
- MARK104

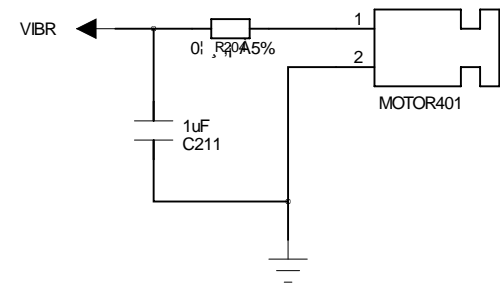
# BASEBAND

				DRAWN	Victor	DATE	July 5th, 2011	MODEL:	M905E	MT6253C	
				CHECKED		TIME		TITLE:	MT6253C baseband	VERSION	V1.0

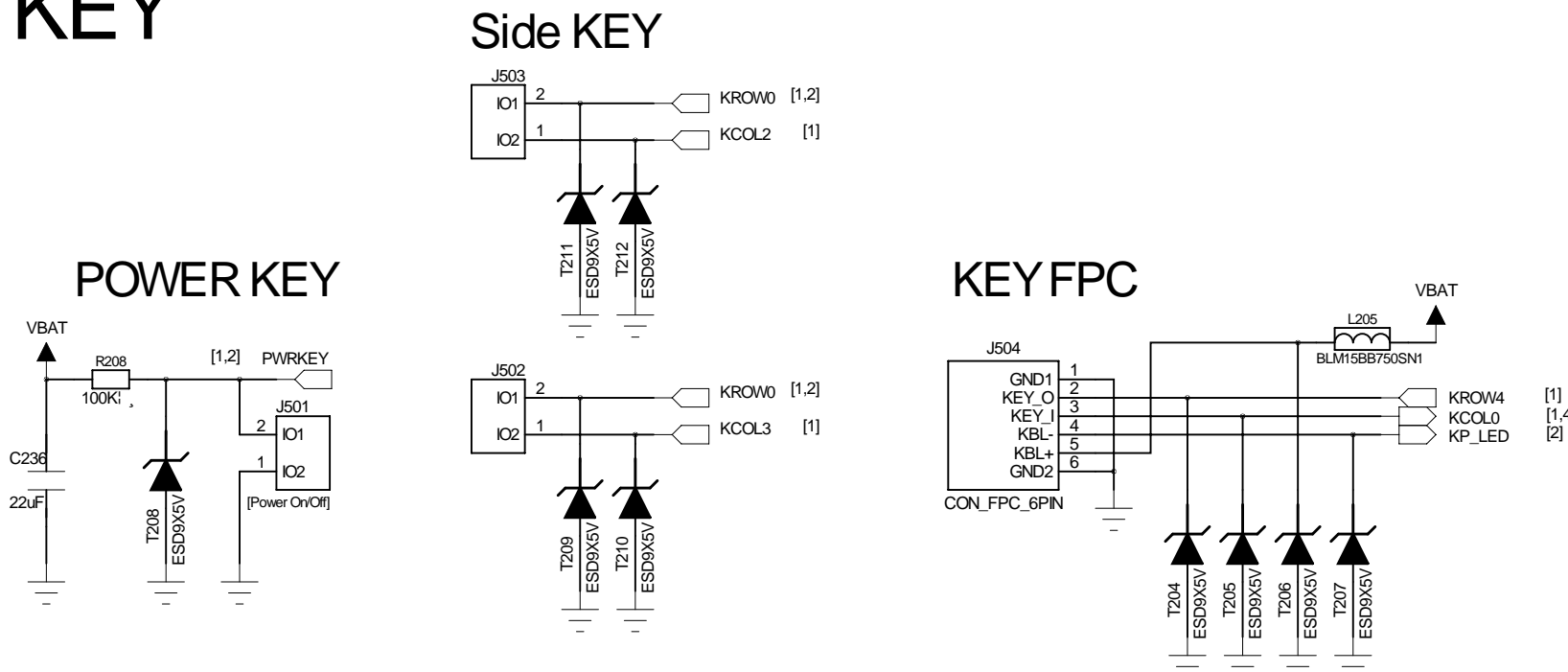
# PMU



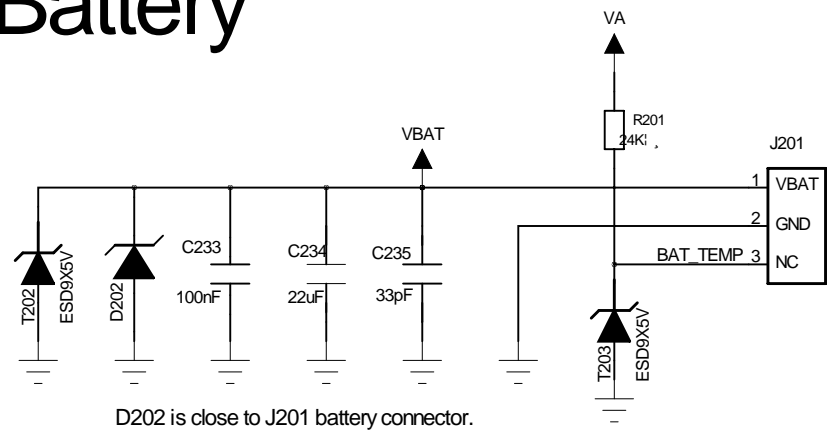
## VIB



## KEY



## Battery



	Symbol	Vout (V)	Iout (mA)	Setting
Buck	VCORE	1.2	200	
	VRF	2.8	180	
RF LDO	VTCXO	2.8	20	
	VA	2.8	100	
Analog LDO	VCAM_A	1.5/1.8/2.5/2.8	150	
	VM	1.8/2.8	200	VM_SEL
	VIO	2.8	100	
	VSIM	1.8/3.0	80	
Digital LDO	VUSB	3.3	75	
	VBT	1.3/1.8/2.5/3.0	150	
	VCAM_D	1.3/1.5/1.8/2.8	75	
	VSIM2	1.3/1.5/1.8/2.8	20	
Vibrator	VIBR	1.8/3.0	100	
	RTC	VBACKUP	2.8	1
Boost Converter	VBOOST1	3.4-5.5	100	

DRAWN

DATE

MODEL:

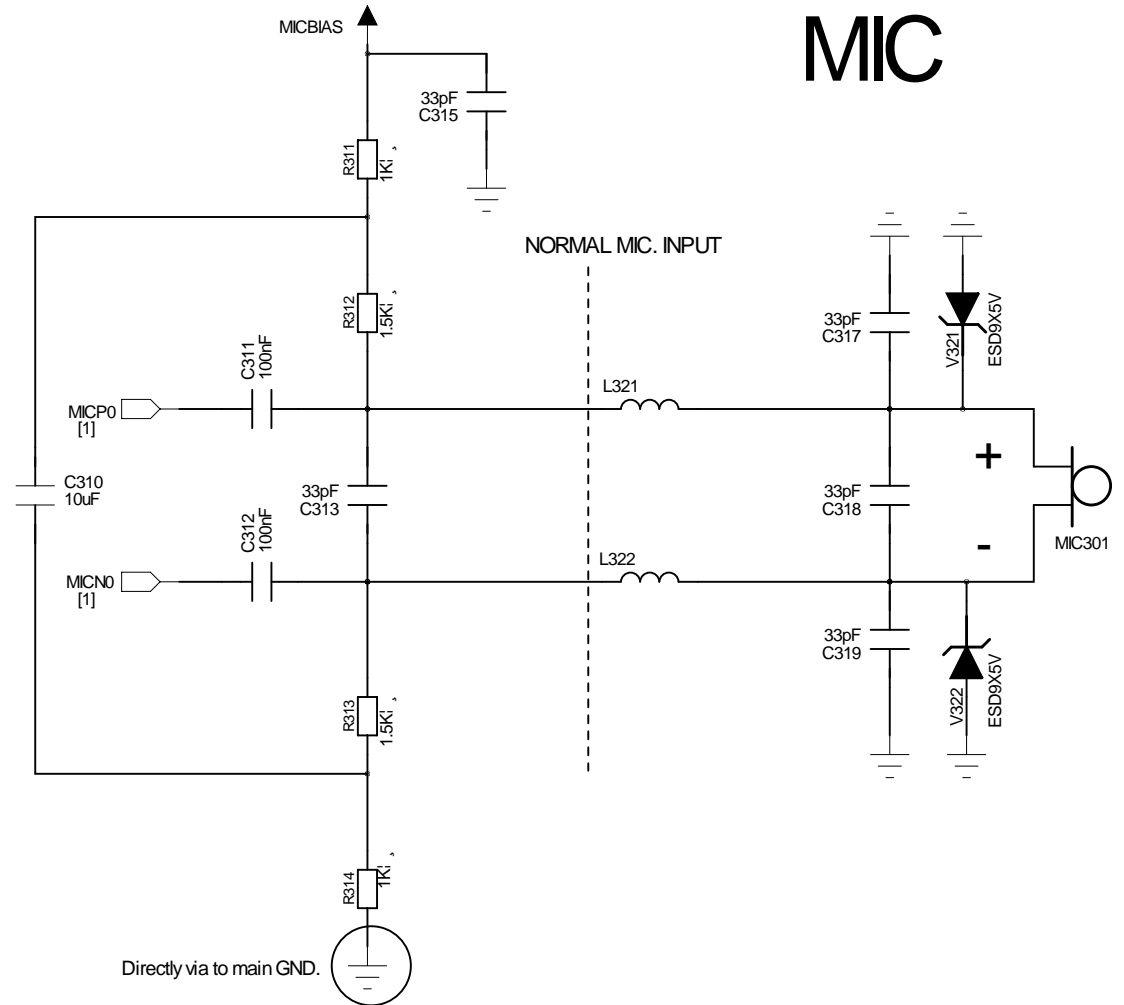
CHECKED

TIME

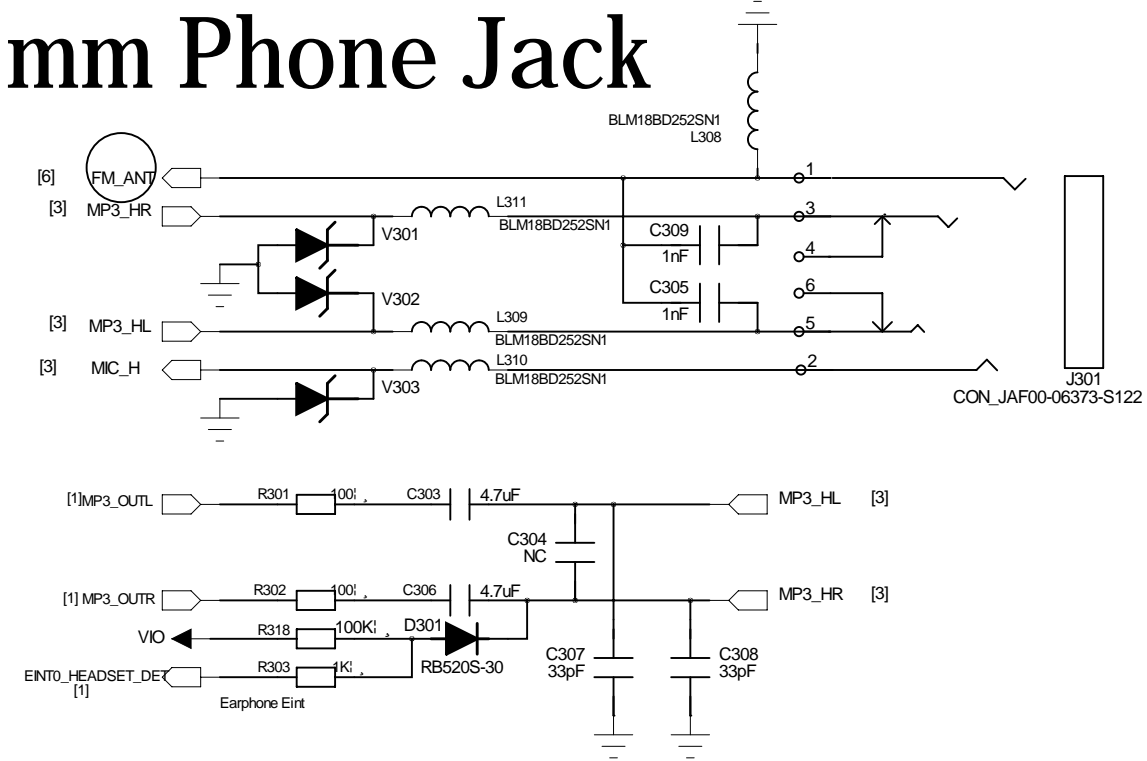
TITLE:

VERSION

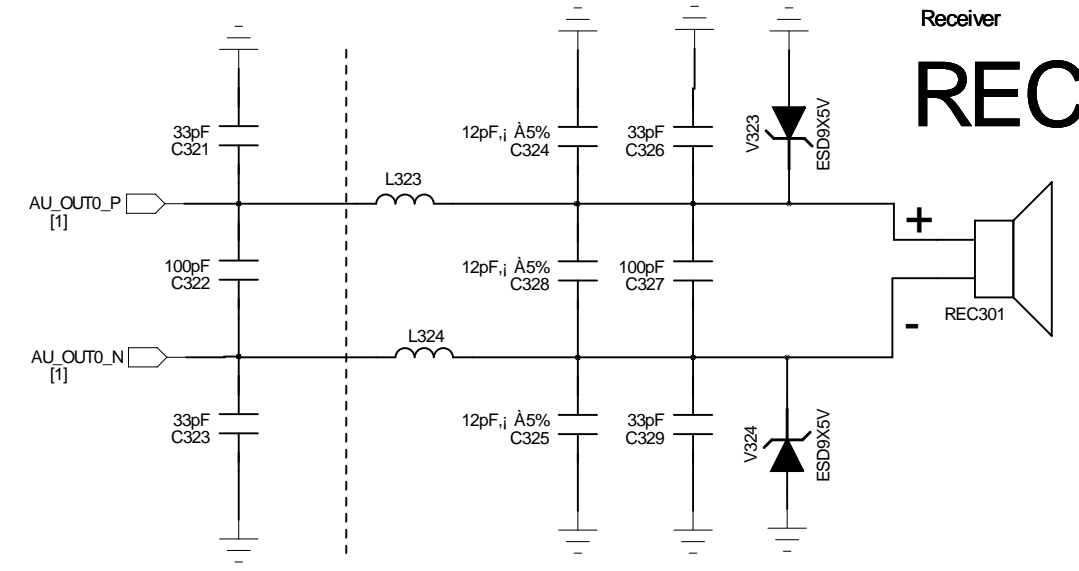
# MIC



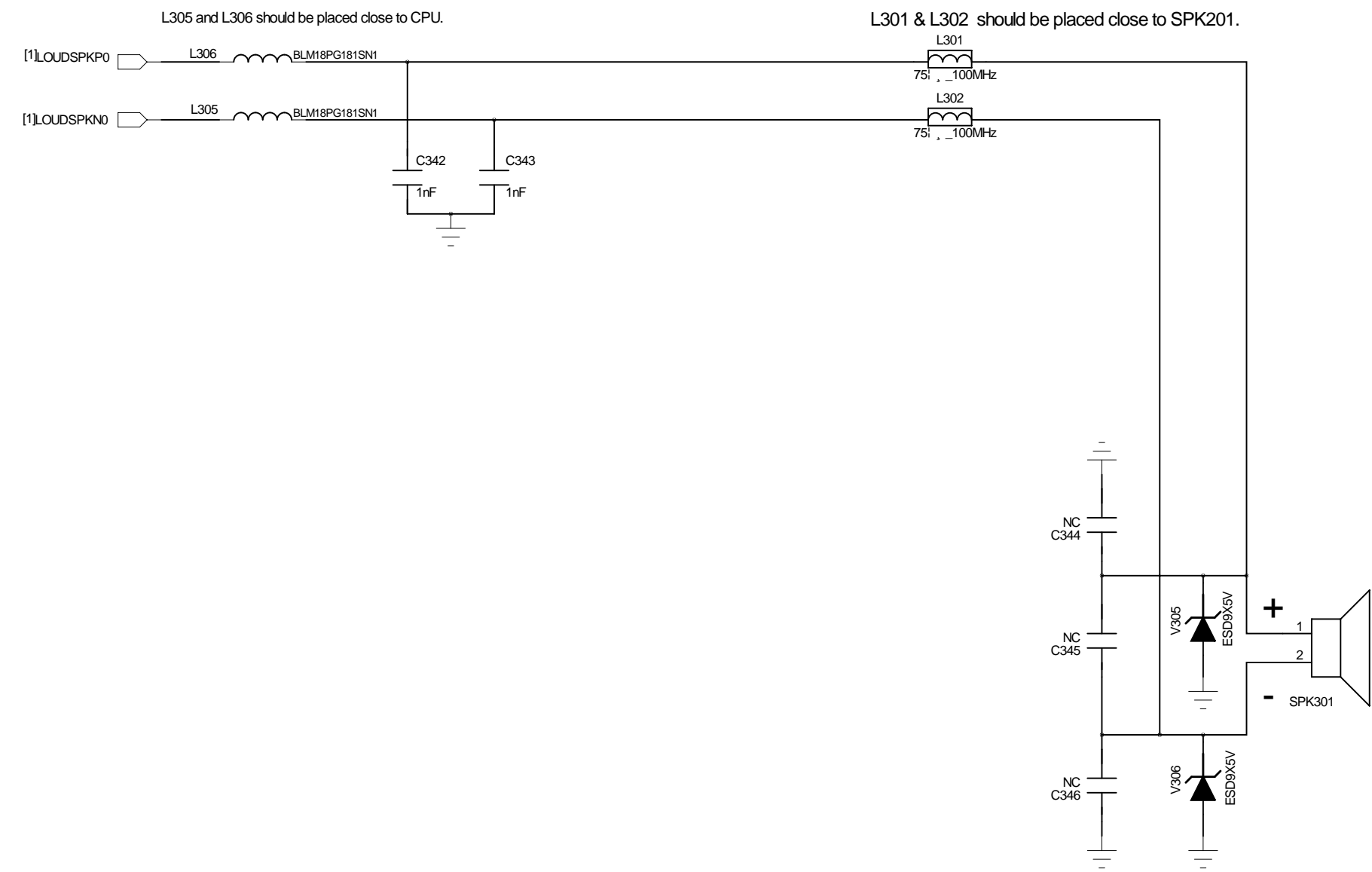
# 3.5mm Phone Jack



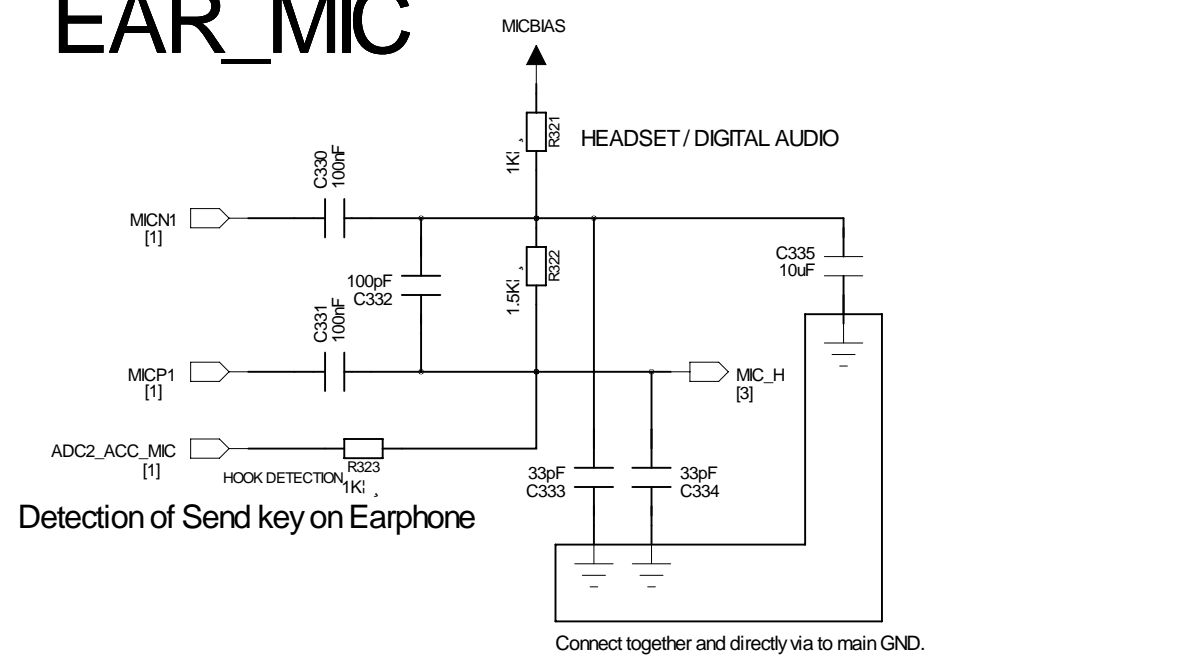
# REC



# SPK1



# EAR\_MIC



DRAWN

DATE

MODEL:

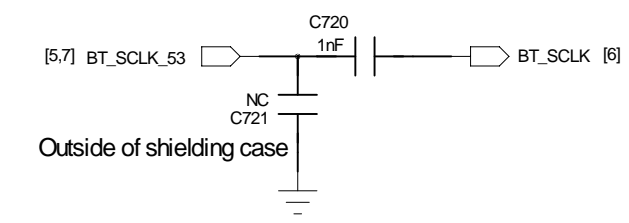
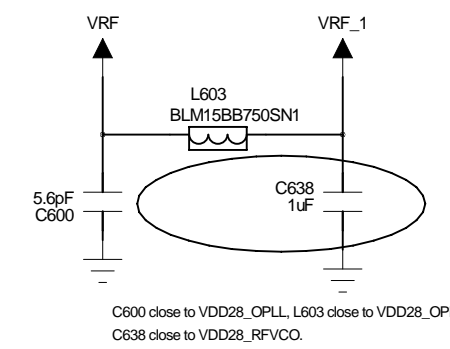
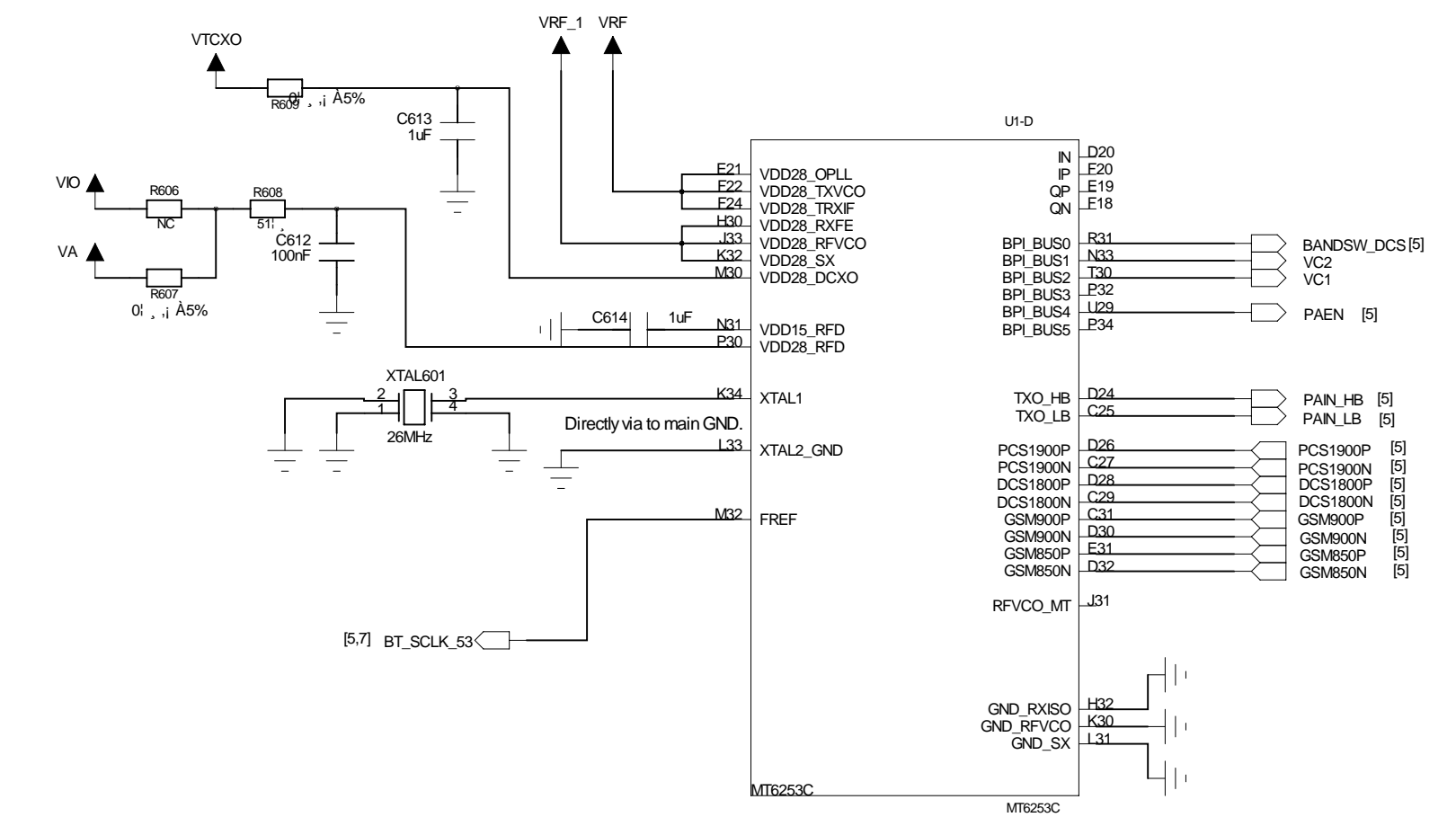
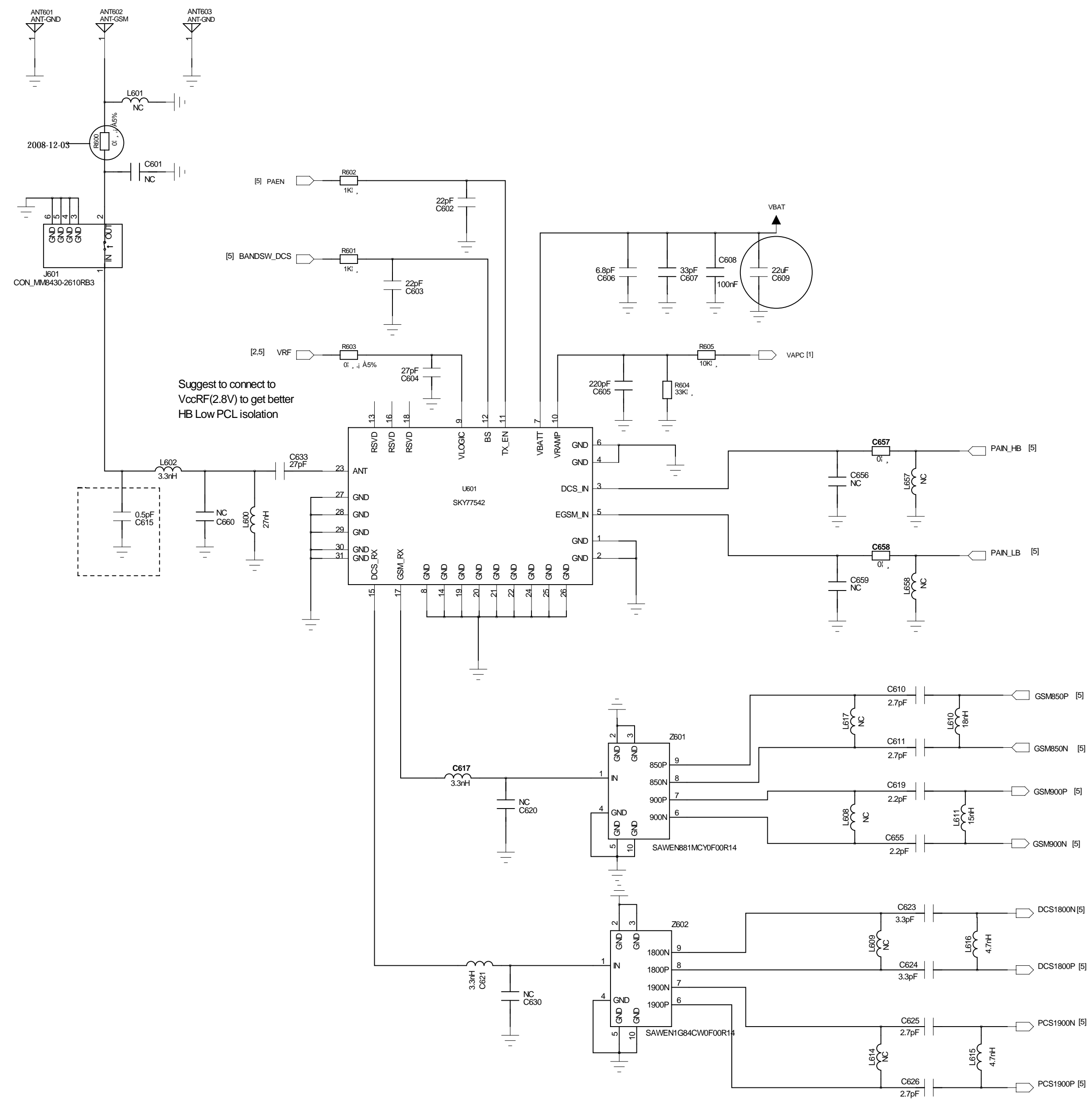
CHECKED

TIME

TITLE:

VERSION





# GSM\_RF

DRAWN

DATE

MODEL:

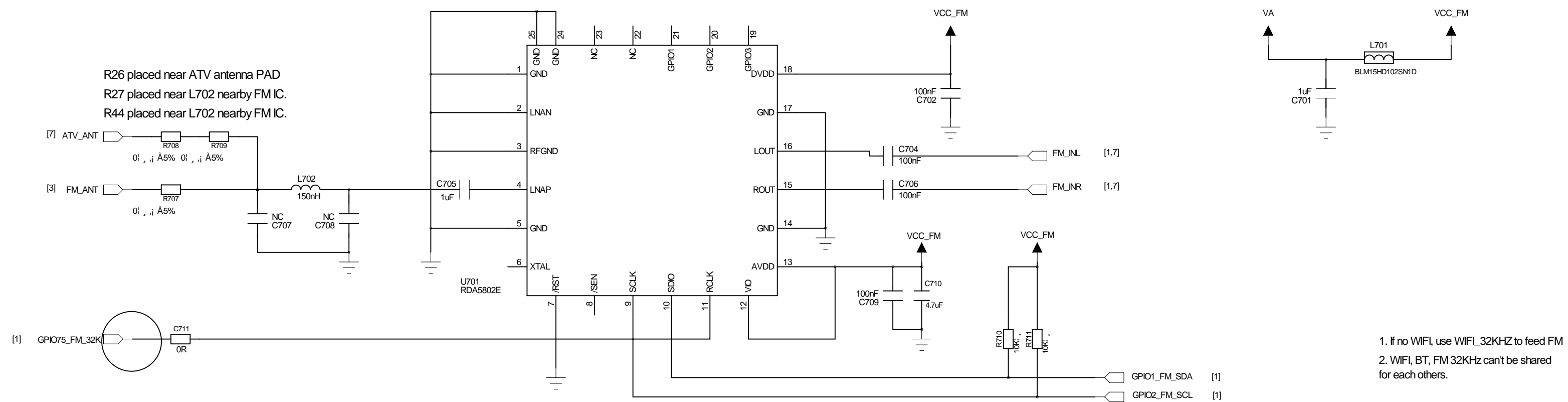
CHECKED

TIME

TITLE:

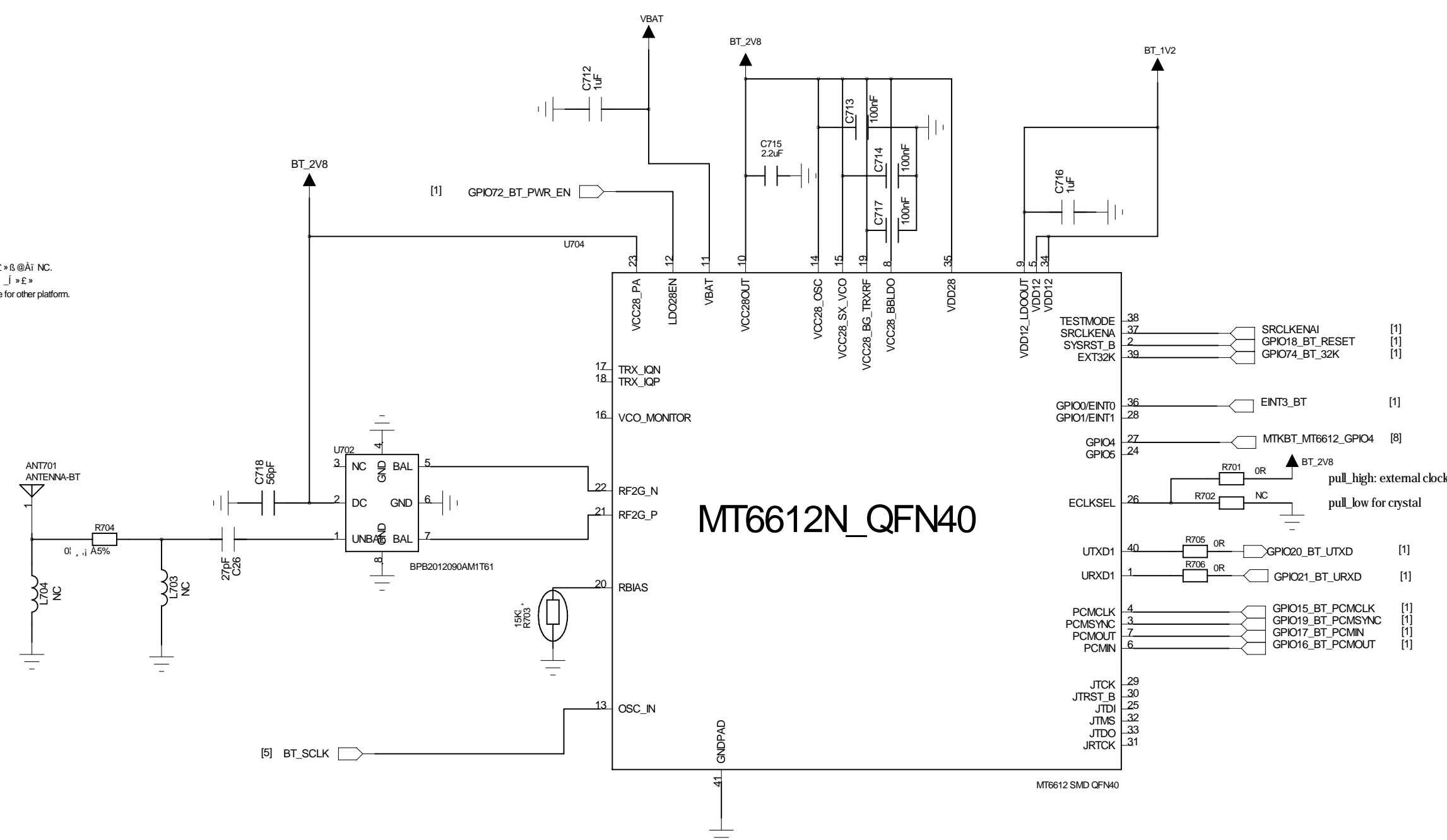
VERSION

# FM\_RDA5802E



# BLUETOOTH\_MT6612

CLK => NLB8  
 EDWIS => GPIO76 , RDA\_PDN  
 (zheng Li) [10:07]  
 (Erwin\_Weng) [10:08]  
 EDDAT => UTXD2  
 LZ0630GPIO24E~280A x => I OÁPCME = B @ÁI NC.  
 GPIO4E~GPIO6OÁOÚI ZÁi = I WÁµA. ] = E =  
 GPIO1 used for HW flow control compatible for other platform.



DRAWN

DATE

MODEL:

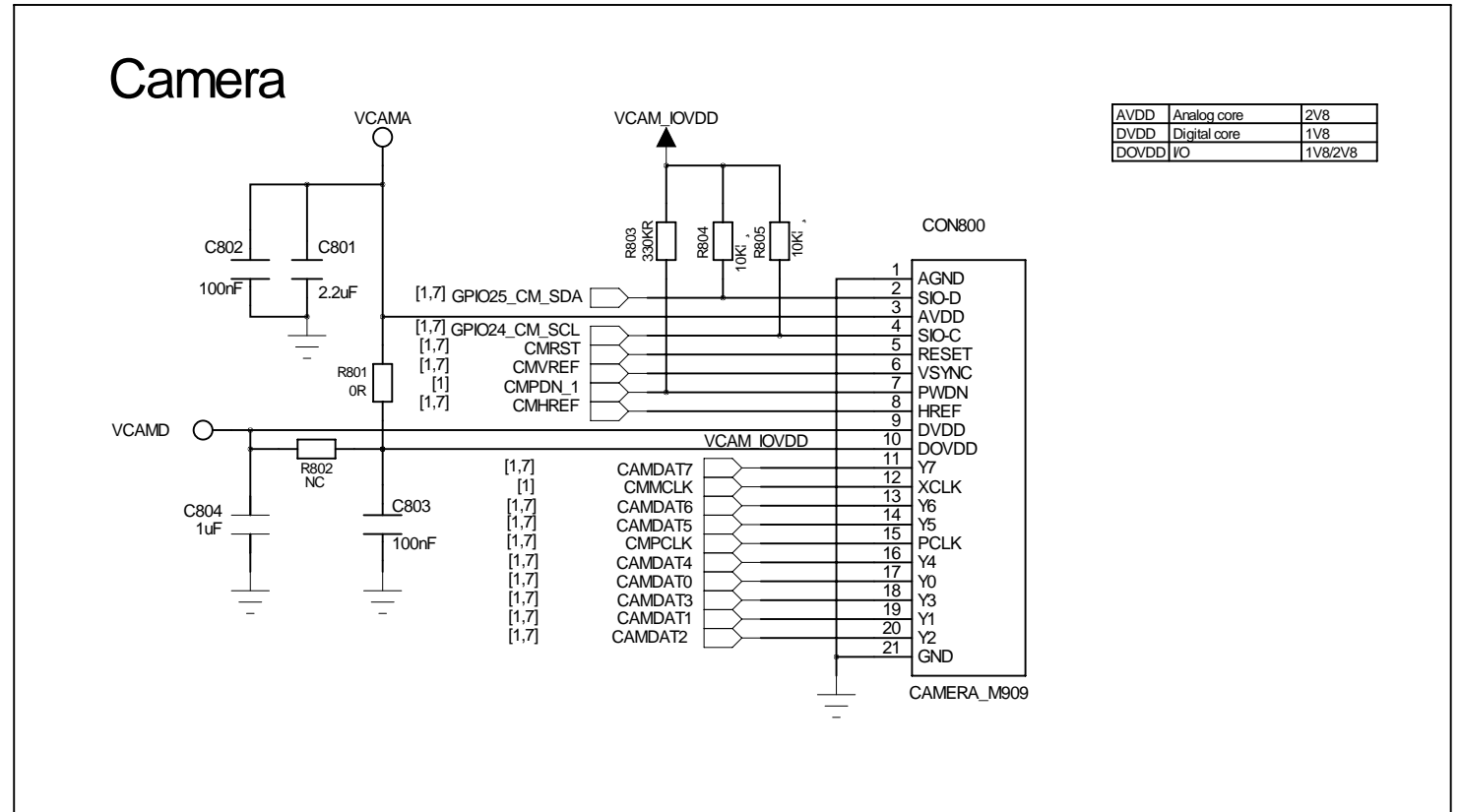
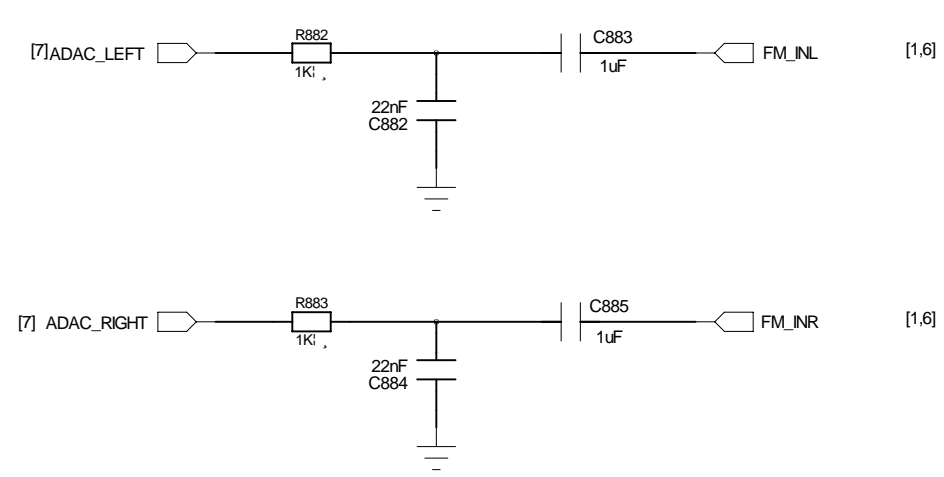
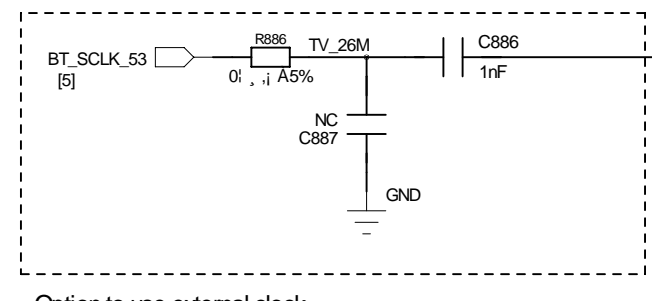
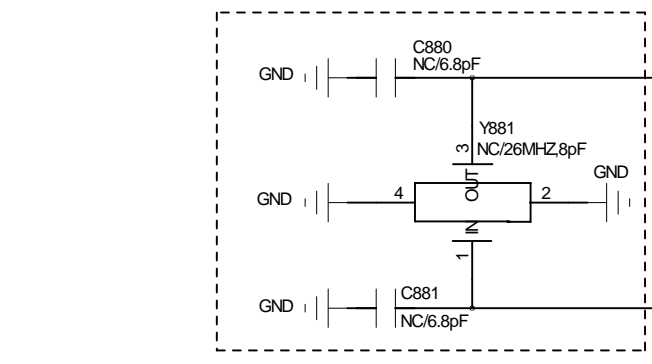
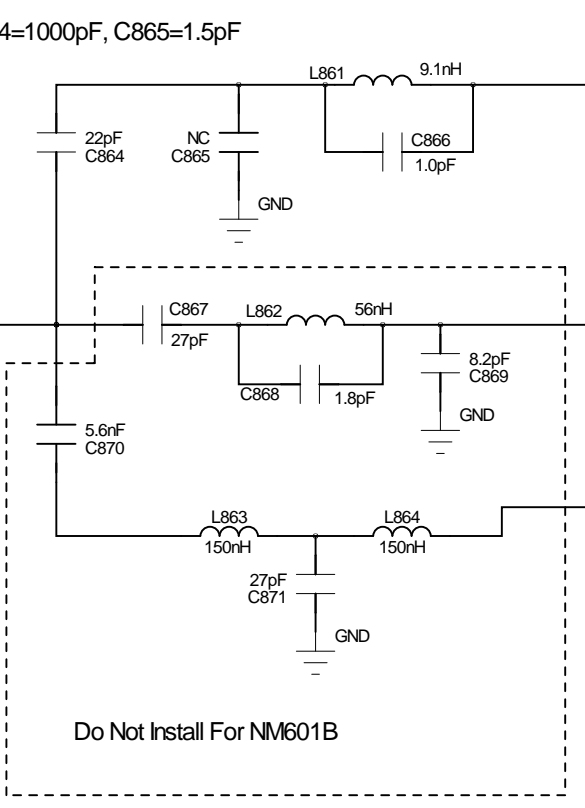
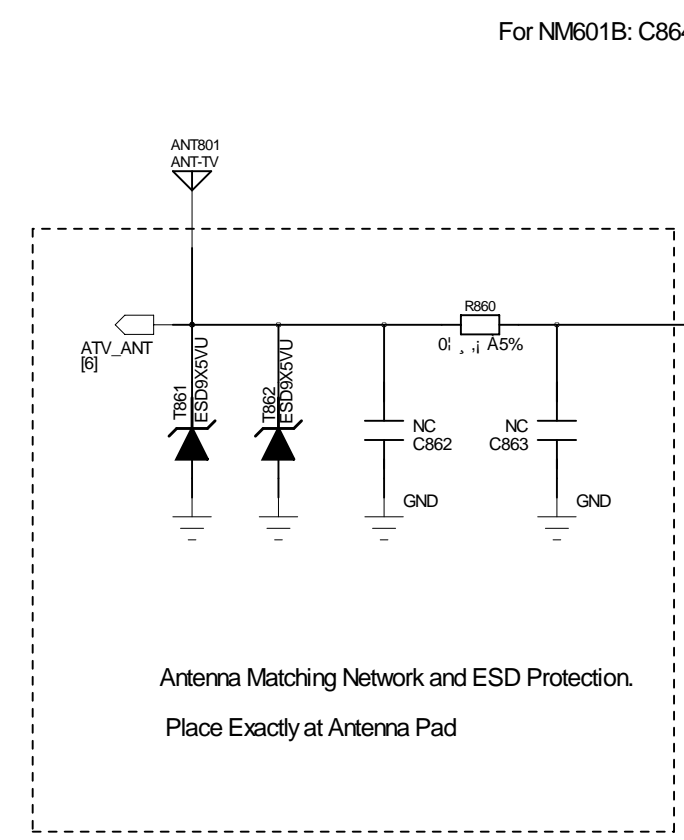
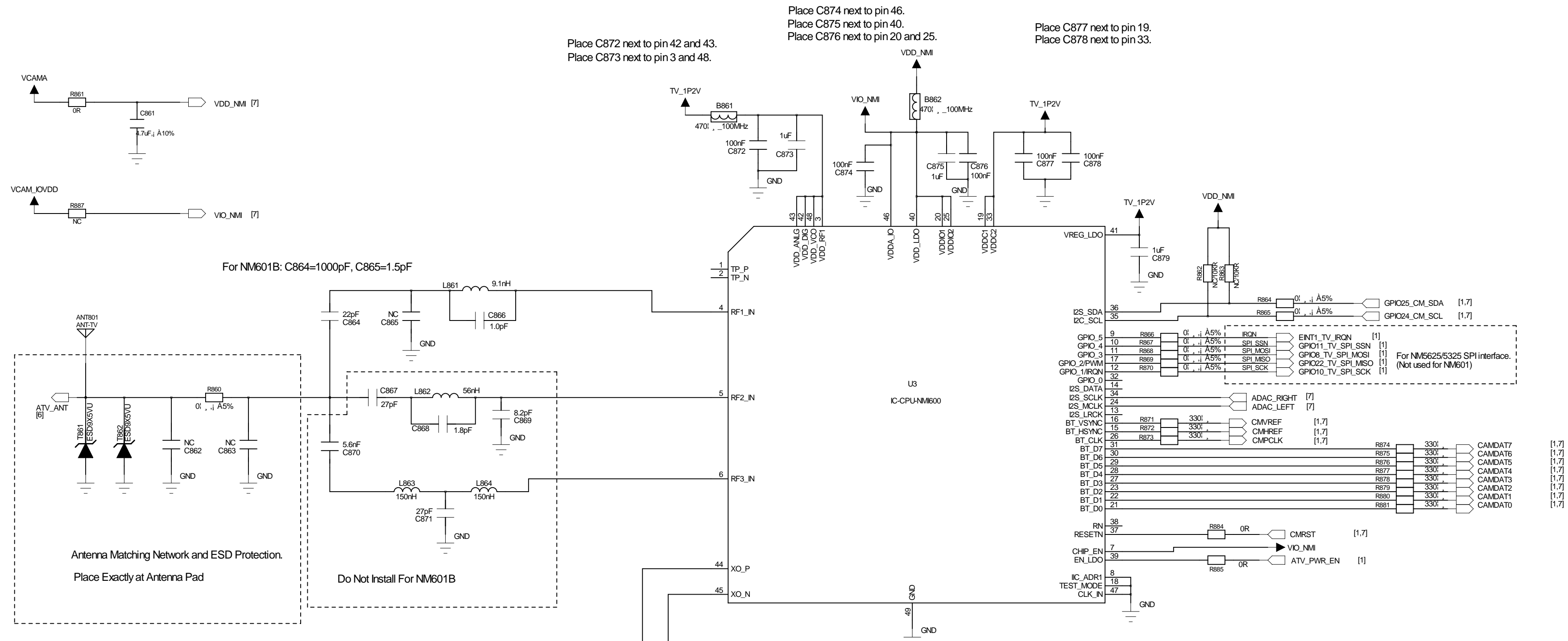
CHECKED

TIME

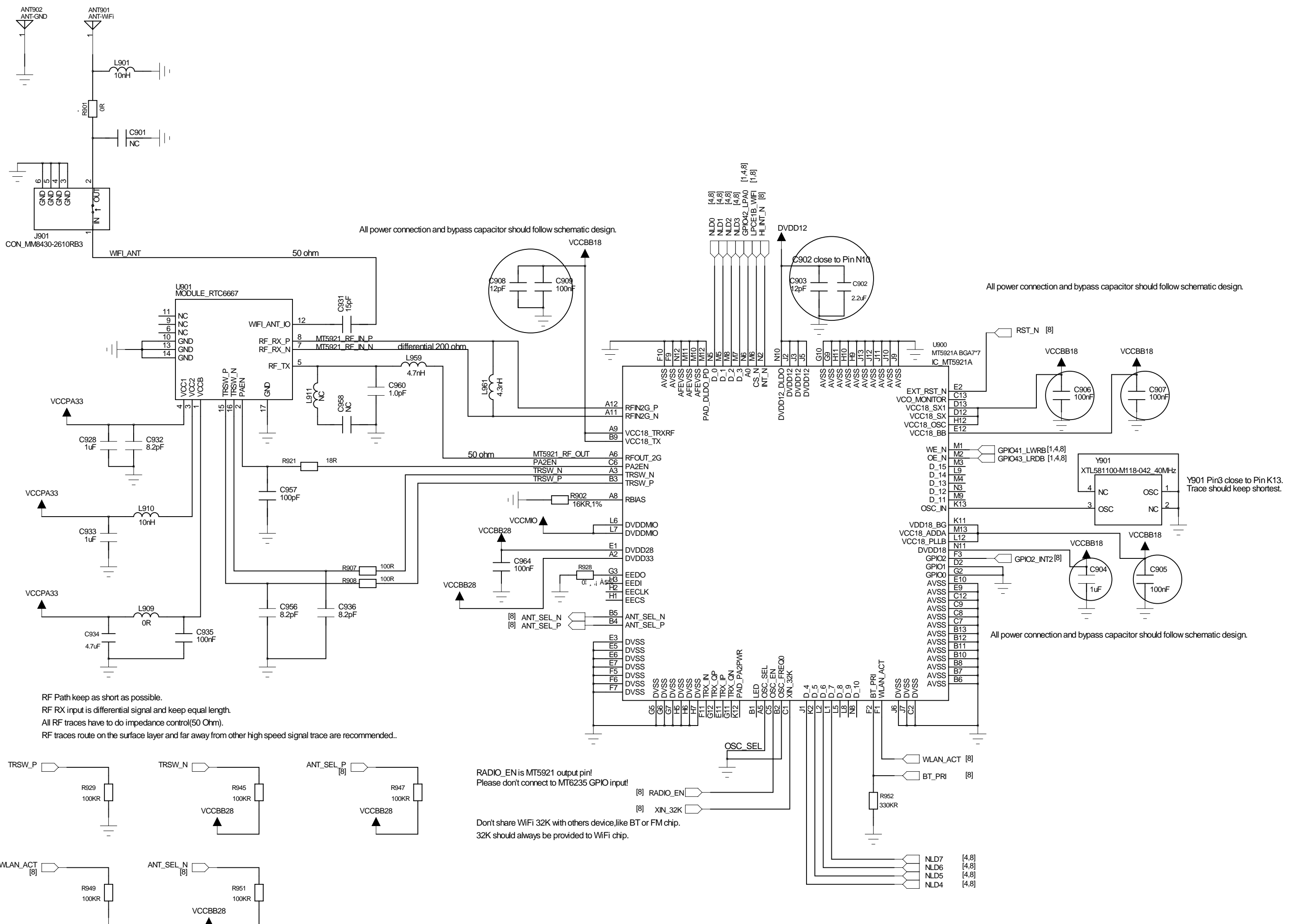
TITLE:

VERSION

ATV\_NMI601B/ATV168H  
 ATV + ISDB-T\_NMI5625



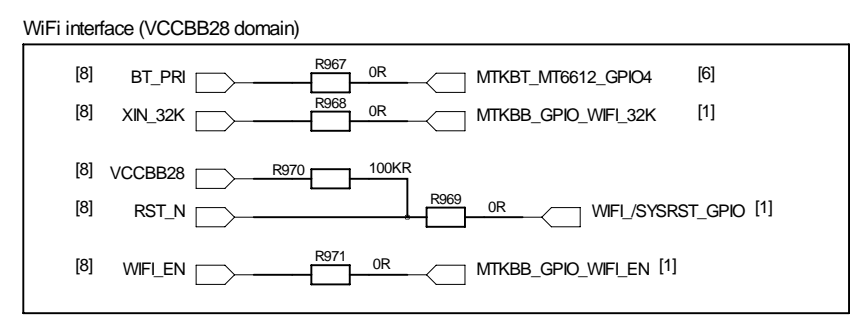
DRAWN	Victor	DATE	July 5th, 2011	MODEL:	M905E
CHECKED		TIME		TITLE:	Camera + ATV + ISDB-T
				VERSION	V1.0



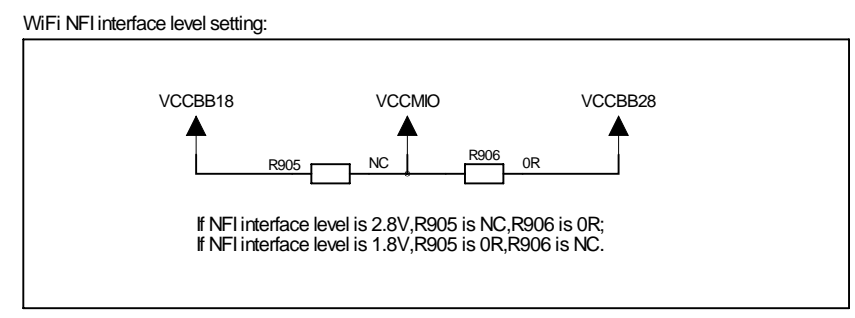
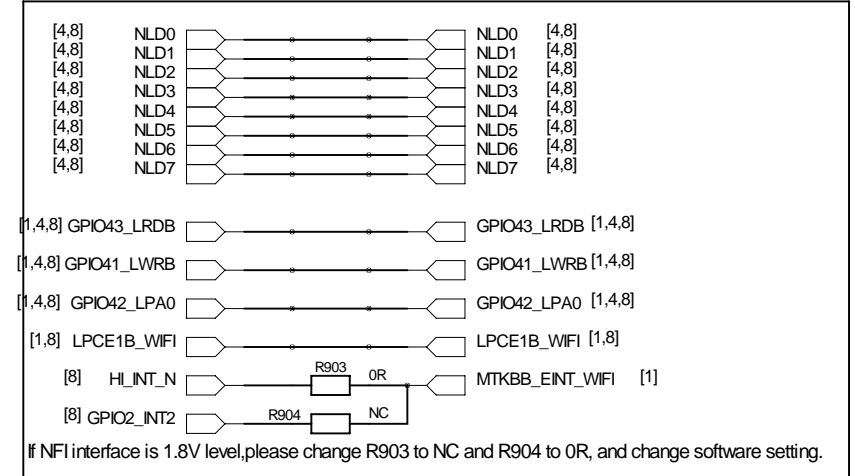
All power connection and bypass capacitor should follow schematic design.

All power connection and bypass capacitor should follow schematic design.

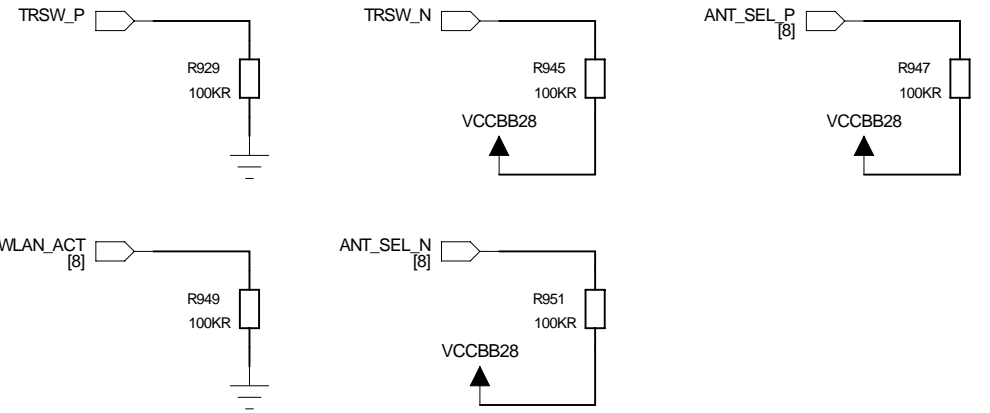
All power connection and bypass capacitor should follow schematic design.



WiFi interface (VCCMIO domain)  
Please confirm the power supply of NFI bus is 1.8V or 2.8V.  
WiFi share NFI bus with LCD and NAND flash, so their power supply should be same.



RF Path keep as short as possible.  
RF RX input is differential signal and keep equal length.  
All RF traces have to do impedance control(50 Ohm).  
RF traces route on the surface layer and far away from other high speed signal trace are recommended.



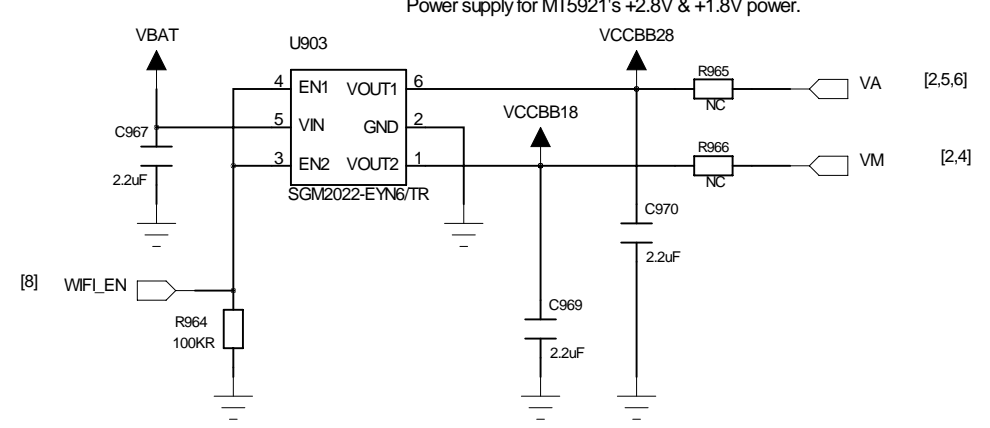
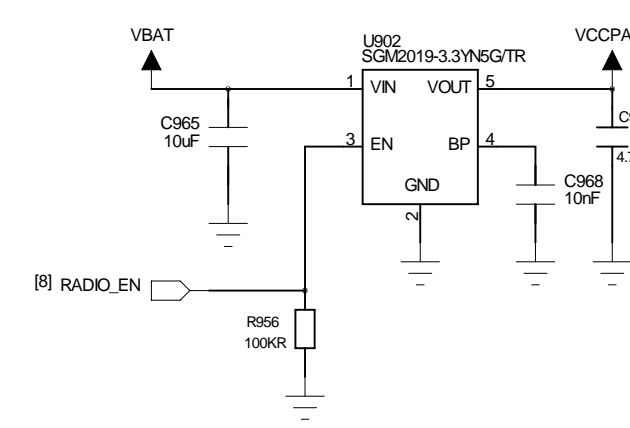
RADIO\_EN is MT5921 output pin!  
Please don't connect to MT6235 GPIO input!  
Don't share WiFi 32K with others device, like BT or FM chip.  
32K should always be provided to WiFi chip.

MODE SELECTION(HW Strap pin setting, default please use HPI 8bit setting)

MODE	TRSW_P:	TRSW_N:	ANTSEL_P
EHP116	0 (pull low)	1 (pull high)	0 (pull low)
EHP18	0 (pull low)	1 (pull high)	1 (pull high)

FREQUENCY SELECTION(HW Strap pin setting)

WLAN_ACT:	ANTSEL_N:	
40MHz	0 (pull low)	1 (pull high)



DRAWN	Victor	DATE	July 5th, 2011	MODEL:	M905E	MT5921A BGA7*7	
CHECKED		TIME		TITLE:	WiFi	VERSION	V1.0