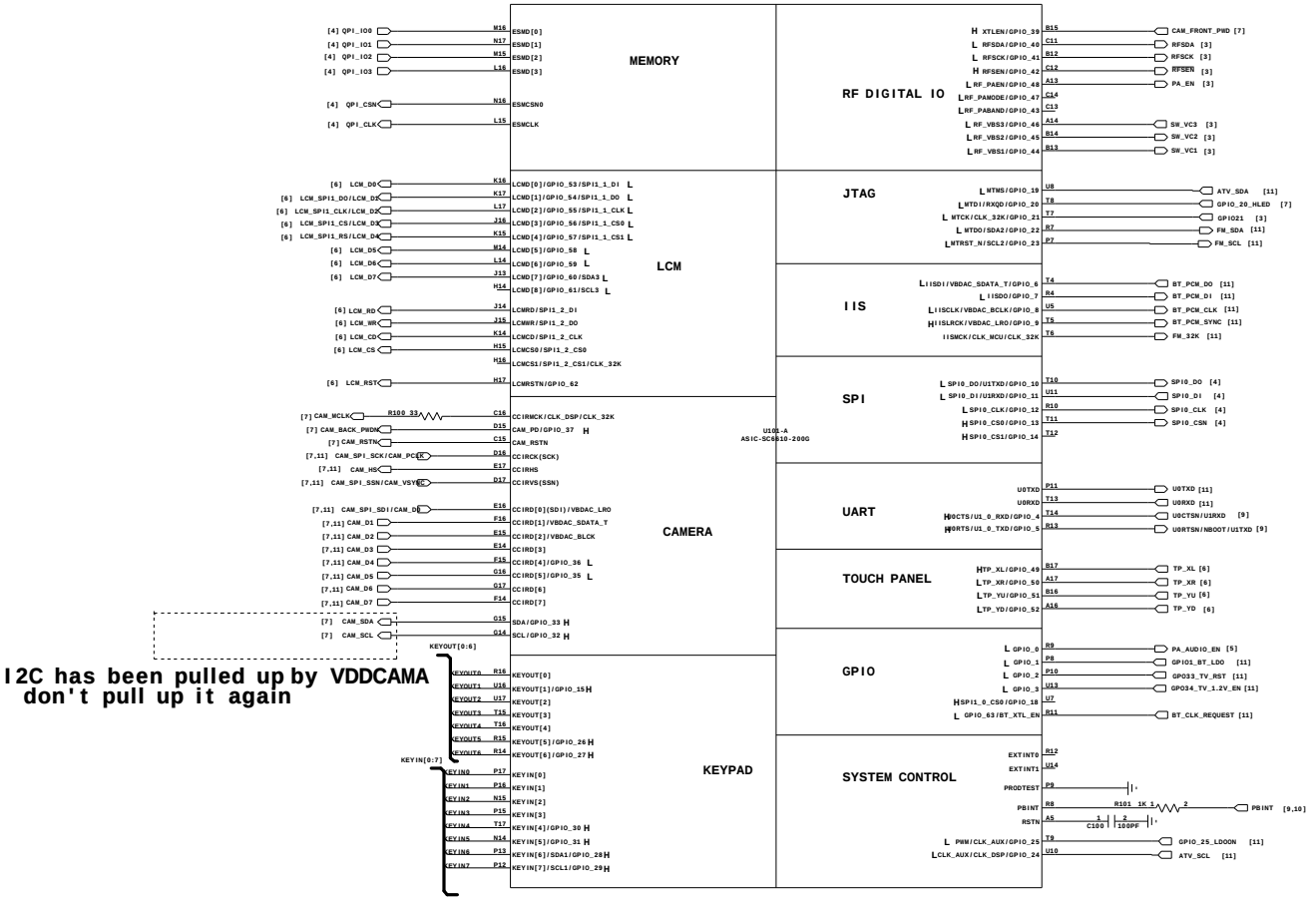
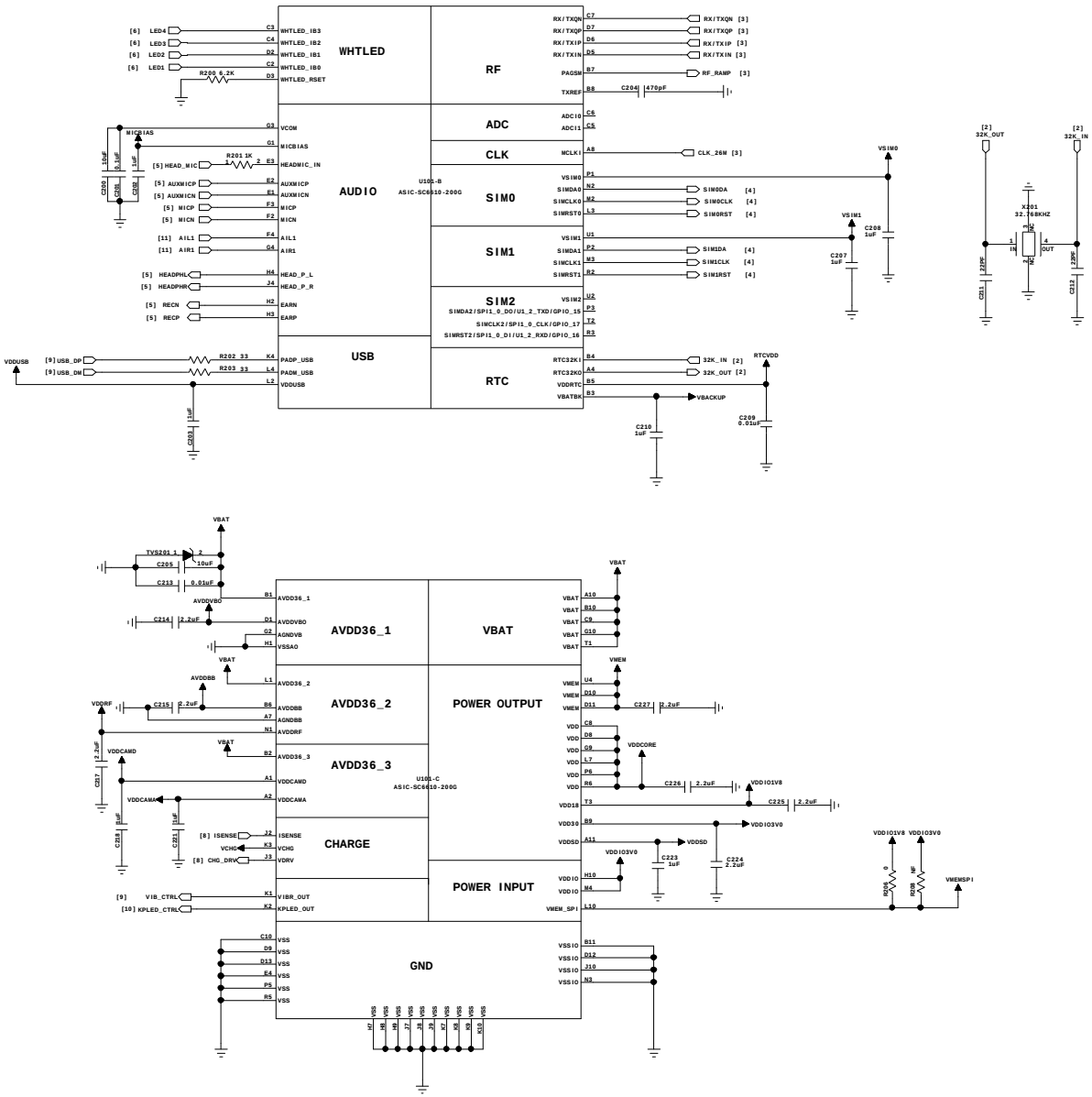
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



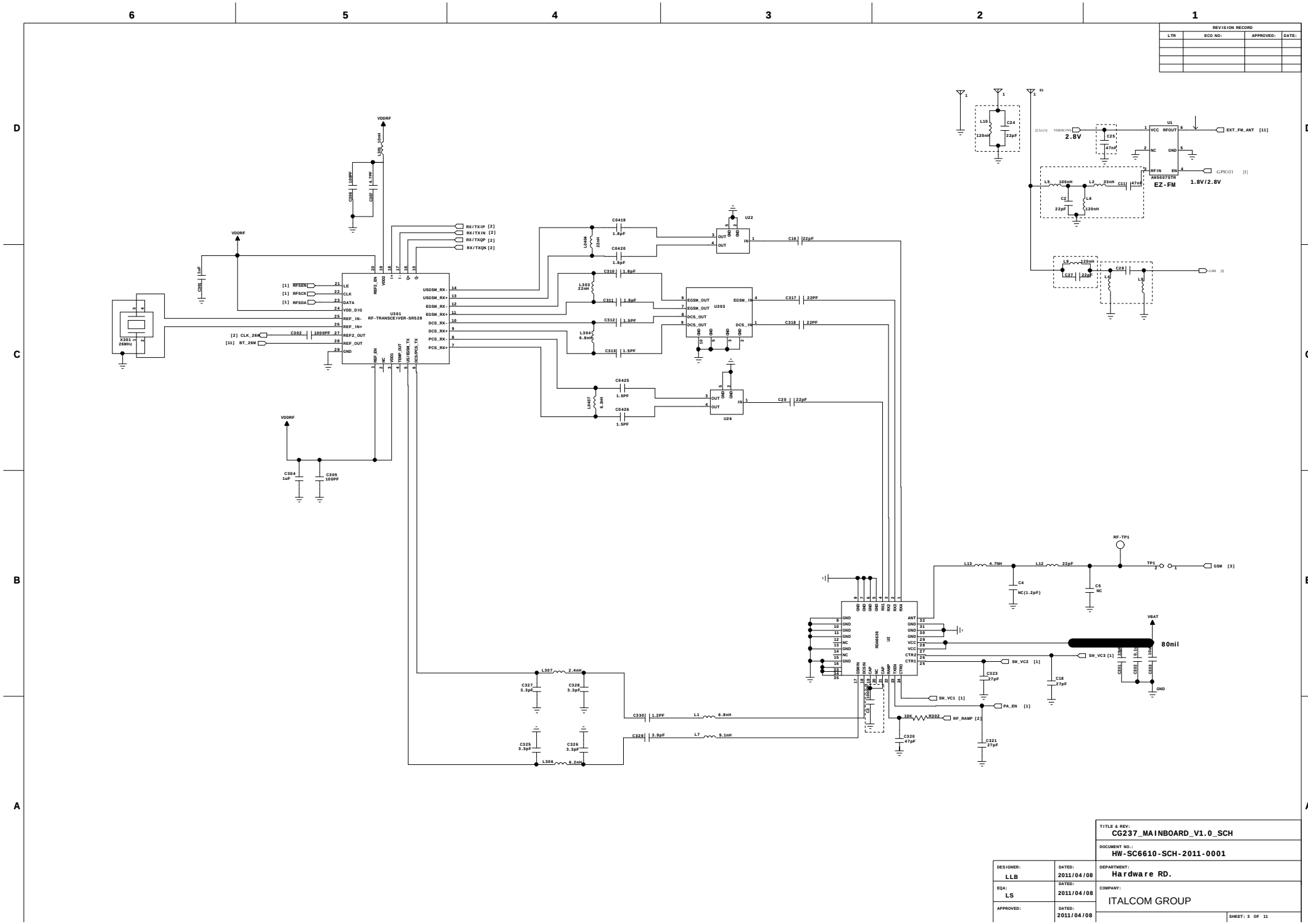
I2C has been pulled up by VDDCAMA don't pull up it again

DESIGNER: LLB	DATED: 2011/04/08	TITLE & REV: CG237_MAINBOARD_V1.0_SCH	
EQA: LS	DATED: 2011/04/08	DOCUMENT NO.: HW-SC6610-SCH-2011-0001	
APPROVED:	DATED: 2011/04/08	DEPARTMENT: Hardware RD.	
		COMPANY: ITALCOM GROUP	
			SHEET: 1 OF 11



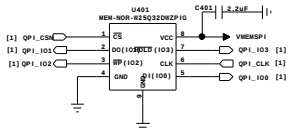
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

TITLE & REV: CG237_MAINBOARD_V1.0_SCH		
DOCUMENT NO.: HW-SC6610-SCH-2011-0001		
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 2 OF 11



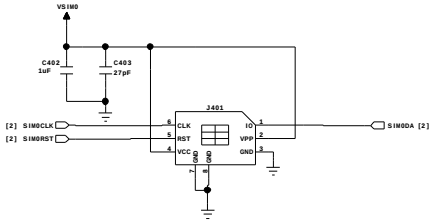
REVISION RECORD
LTR
ECO NO:
APPROVED:
DATE:
U301
RF-TRANSCEIVER-SR528
U303
U22
U26
U2
RDA6636
X301
26MHz
EZ-FM
AW5007STR
1.8V/2.8V
2.8V
80mil
VDDRF
VBAT
RF-TP1
TP1
GSM [3]
EXT_FM_ANT [11]
GPIO21 [1]
RX/TXIP [2]
RX/TXIN [2]
RX/TXQP [2]
RX/TXQN [2]
RFSEN
RFSCK
RFSDA
CLK_26M
BT_26M
SW_VC1 [1]
SW_VC2 [1]
SW_VC3 [1]
PA_EN [1]
RF_RAMP [2]
GND
TITLE & REV:
CG237_MAINBOARD_V1.0_SCH
DOCUMENT NO.:
HW-SC6610-SCH-2011-0001
DESIGNER:
LLB
DATED:
2011/04/08
DEPARTMENT:
Hardware RD.
EQA:
LS
DATED:
2011/04/08
COMPANY:
ITALCOM GROUP
APPROVED:
DATED:
2011/04/08
SHEET: 3 OF 11

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

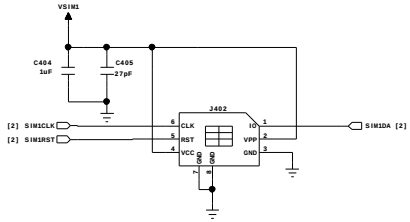


Serial Flash WSON-8

CAUTION: SIMDA1/SIMDA2 has been pulled up by SC6600L, don't pull up it again

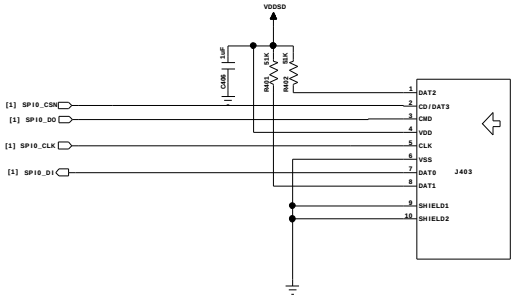


SIM0



SIM1

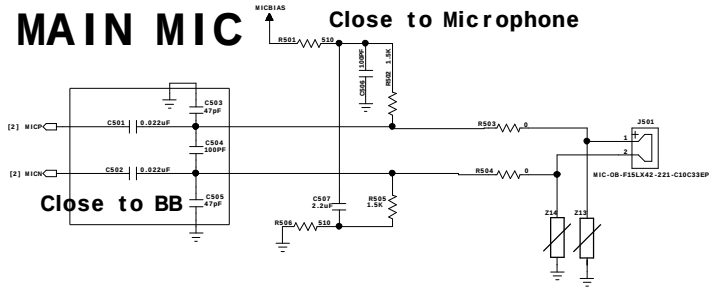
T-FLASH



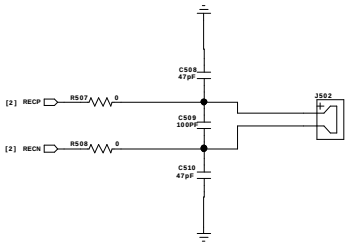
TITLE & REV: CG237_MAINBOARD_V1.0_SCH		
DOCUMENT NO.: HW-SC6610-SCH-2011-0001		
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 4 OF 11

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

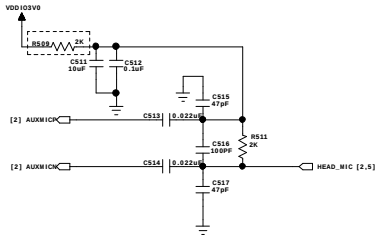
MAIN MIC



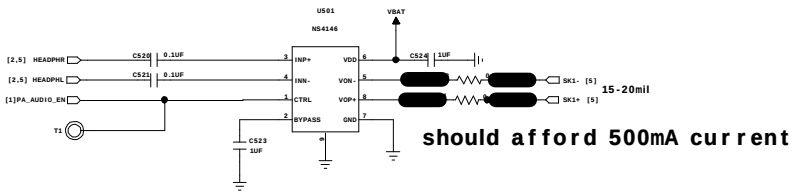
RECEIVER

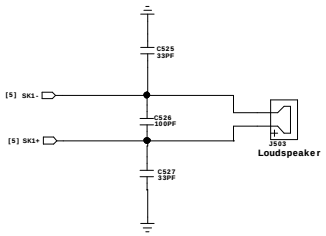


HEADPHONE



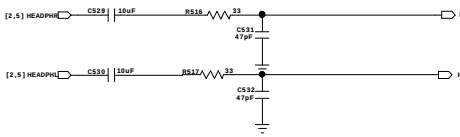
20mil

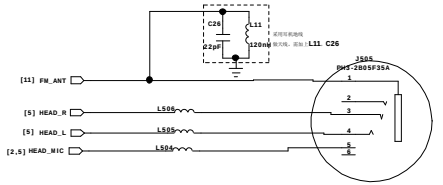




CLASS d
SPEAKER CIRCUIT

AUDIO JACK



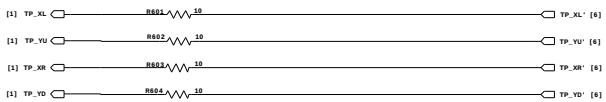


TITLE & REV: CG237_MAINBOARD_V1.0_SCH		
DOCUMENT NO.: HW-SC6610-SCH-2011-0001		
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 5 OF 11

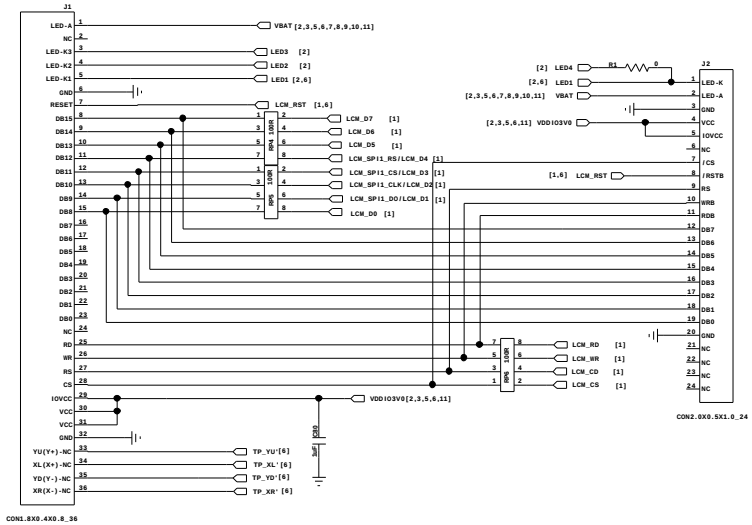
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

TP

NOTE:Do not change the Touchpanel Circuit

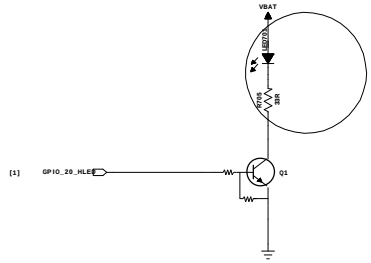


LCD

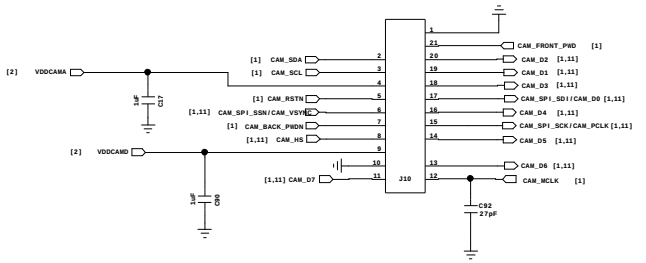


TITLE & REV: CG237_MAINBOARD_V1.0_SCH			
DOCUMENT NO.: HW-SC6610-SCH-2011-0001			
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.	
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP	
APPROVED:	DATED: 2011/04/08	SHEET: 6 OF 11	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



SIDE LED

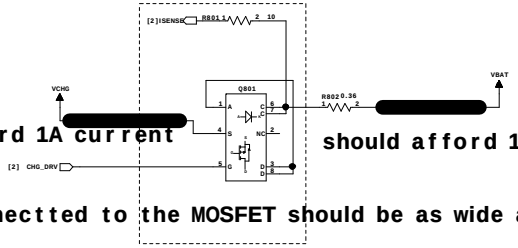


CAMERA

TITLE & REV: CG237_MAINBOARD_V1.0_SCH		
DOCUMENT NO.: HW-SC6610-SCH-2011-0001		
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 7 OF 11

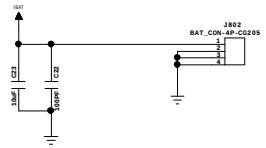
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

CHARGE



should afford 1A current **should afford 1A current**

All trace connectted to the MOSFET should be as wide as possible

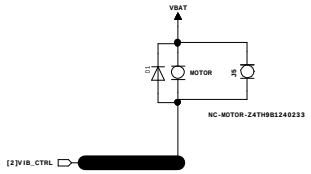


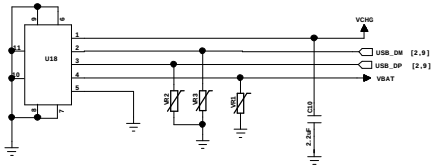
BAT CONNECT

		TITLE & REV:	CG237_MAINBOARD_V1.0_SCH
		DOCUMENT NO.:	HW-SC6610-SCH-2011-0001
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT:	Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY:	ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 8 OF 11	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

VIBRATOR

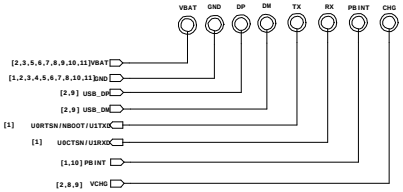




5PIN_I/O CONNECTOR

Boot select:
U0RTSN/NBOOT/U1TXD = low --> boot from USB
U0RTSN/NBOOT/U1TXD = high --> boot from NOR or NAND

UART used by the two USB

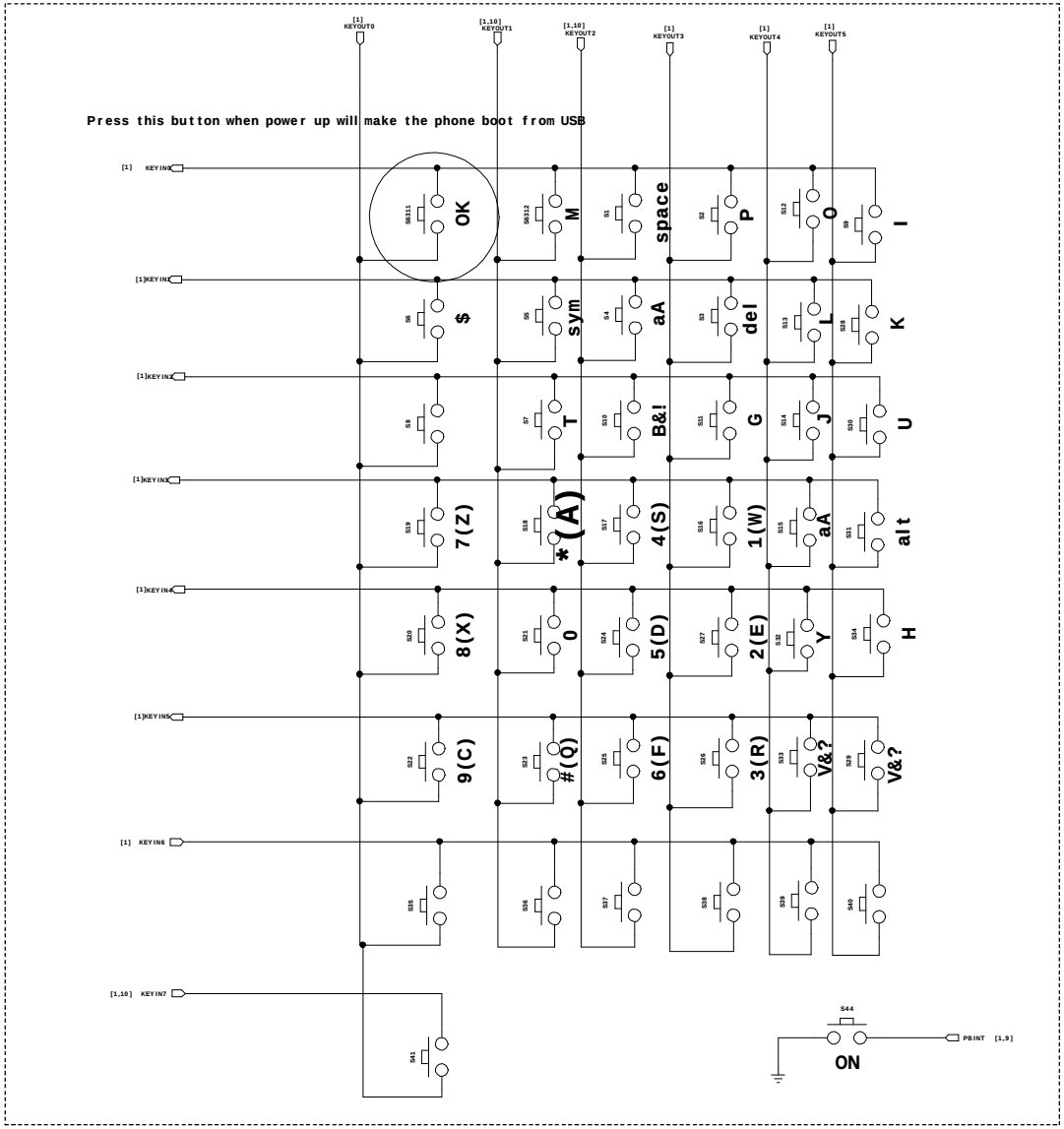


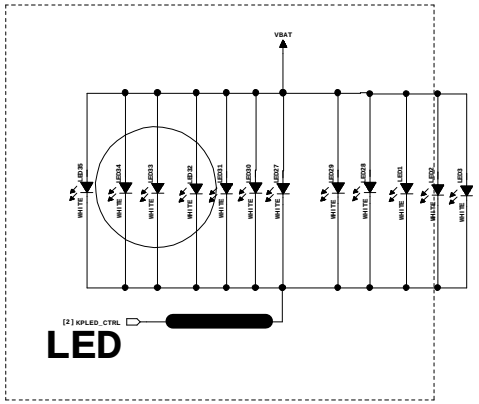
TEST POINT

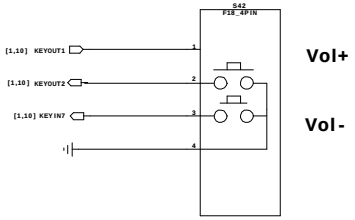
HOLE and MARK POINT

TITLE & REV: CG237_MAINBOARD_V1.0_SCH		
DOCUMENT NO.: HW-SC6610-SCH-2011-0001		
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP
APPROVED:	DATED: 2011/04/08	SHEET: 9 OF 11

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



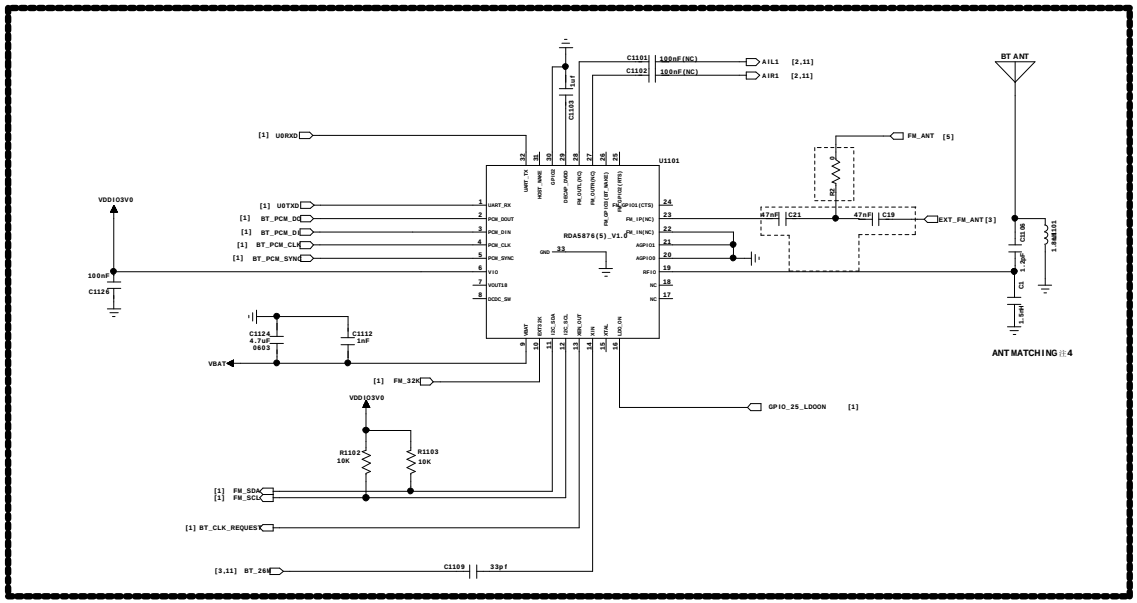


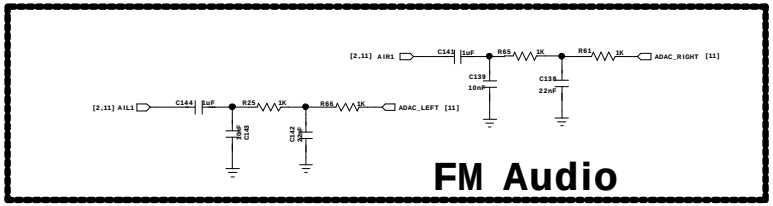


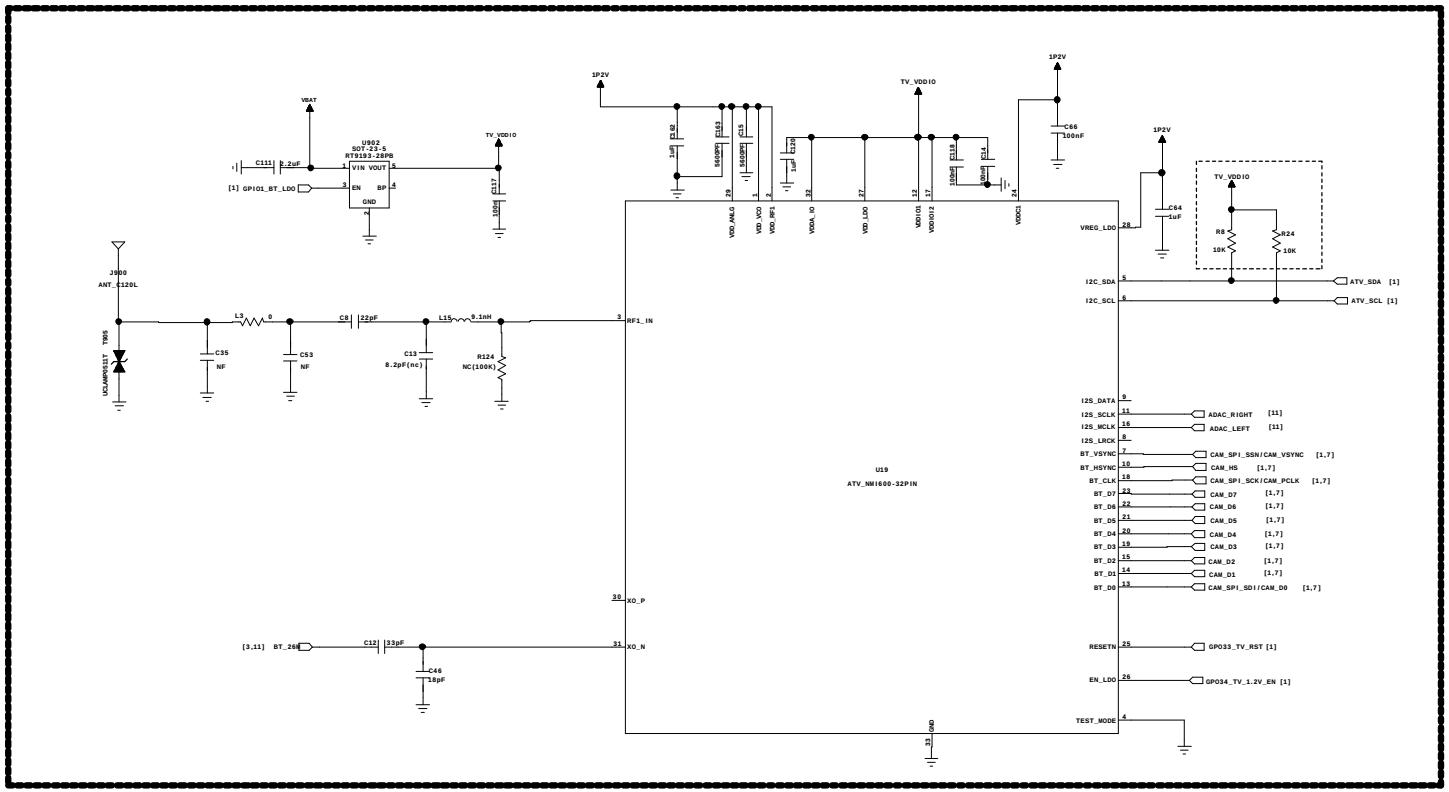
KEYPAD

TITLE & REV: CG237_MAINBOARD_V1.0_SCH			
DOCUMENT NO.: HW-SC6610-SCH-2011-0001			
DESIGNER: LLB	DATED: 2011/04/08	DEPARTMENT: Hardware RD.	
EQA: LS	DATED: 2011/04/08	COMPANY: ITALCOM GROUP	
APPROVED:	DATED: 2011/04/08	SHEET: 10 OF 11	

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:







		TITLE & REV:	CG237_MAINBOARD_V1.0_SCH
		DOCUMENT NO.:	HW-SC6610-SCH-2011-0001
DESIGNER:	DATED:	DEPARTMENT:	
LLB	2011/04/08	Hardware RD.	
EQA:	DATED:	COMPANY:	
LS	2011/04/08	ITALCOM GROUP	
APPROVED:	DATED:		
	2011/04/08	SHEET: 11 OF 11	