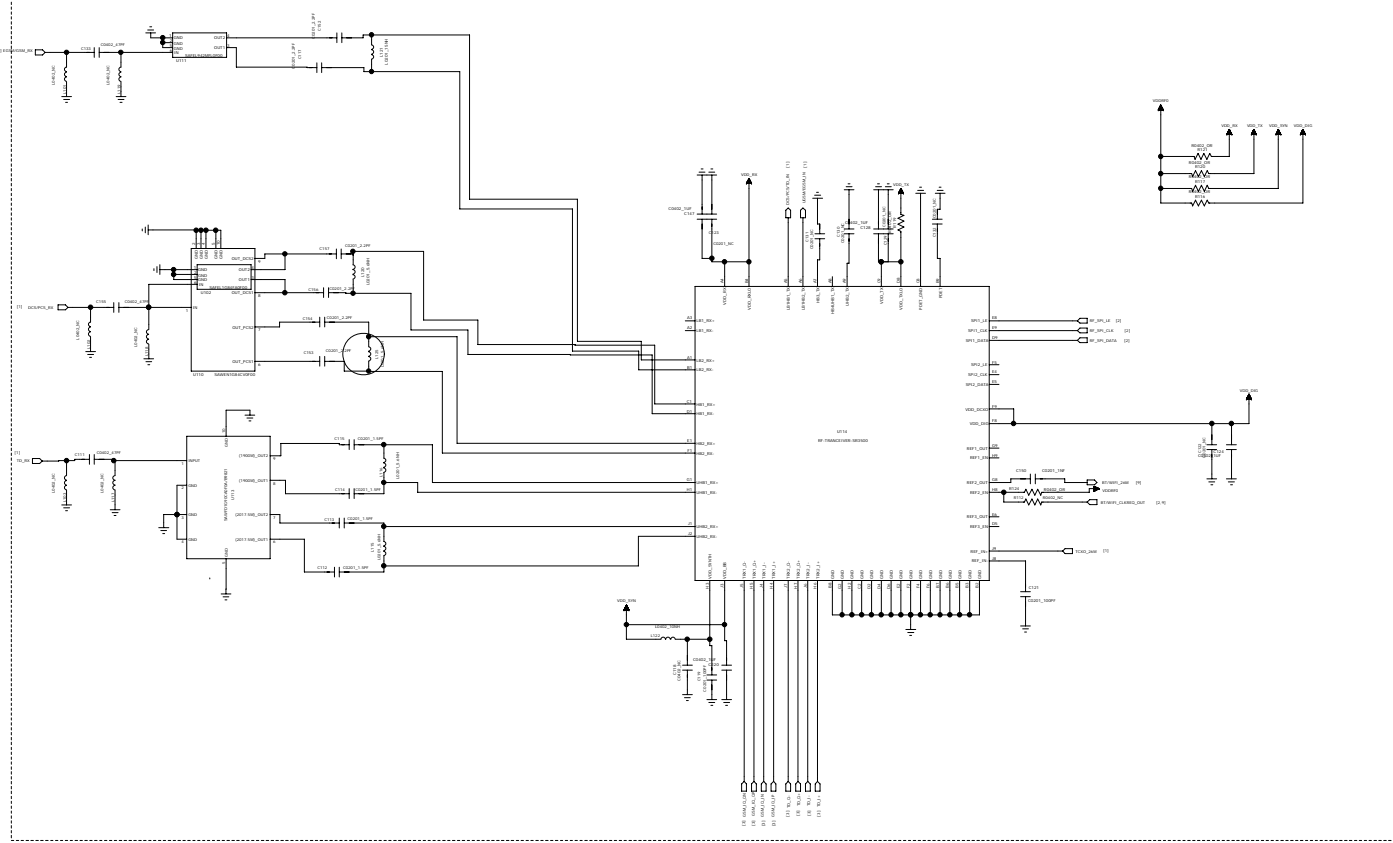
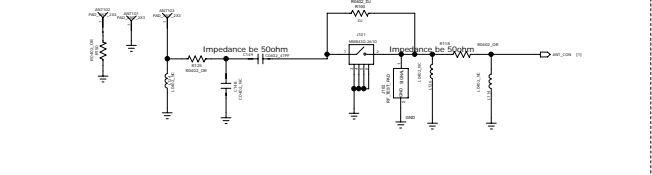


REV	DATE	BY	CHKD

RF TRANSCEIVER

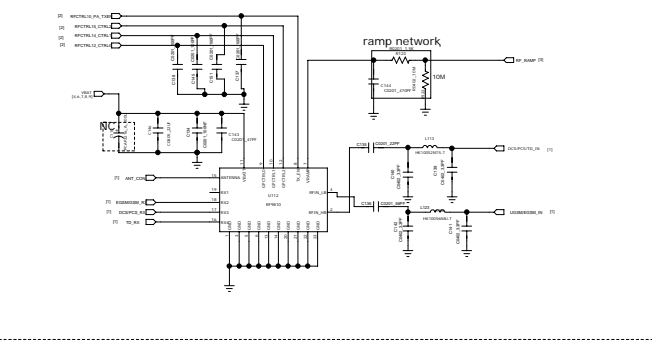


RF ANT

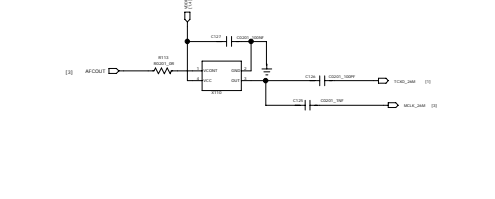


PA MODULE

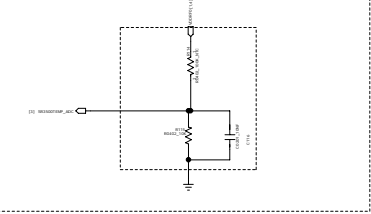
	VSWAMP	TXEN	CHL2	CHL1	CHLD	SWITCH
RX1_NC	0	0	1	0	0	0
RX2_LC50MFCOM	0	0	0	1	1	0
RX3_DS5PCS	0	0	0	1	1	0
RX4_TD_RX	0	0	0	0	1	0
TX_LB_GSM	SWAMP	1	0	1	0	0
TX_HB_GSM	SWAMP	1	0	1	1	1
TX_LB_EDGE	1	1	0	0	0	0
TX_HB_EDGE	1	1	0	0	1	1
TD_TX	0	1	0	0	1	0



26MHz TCXO Module

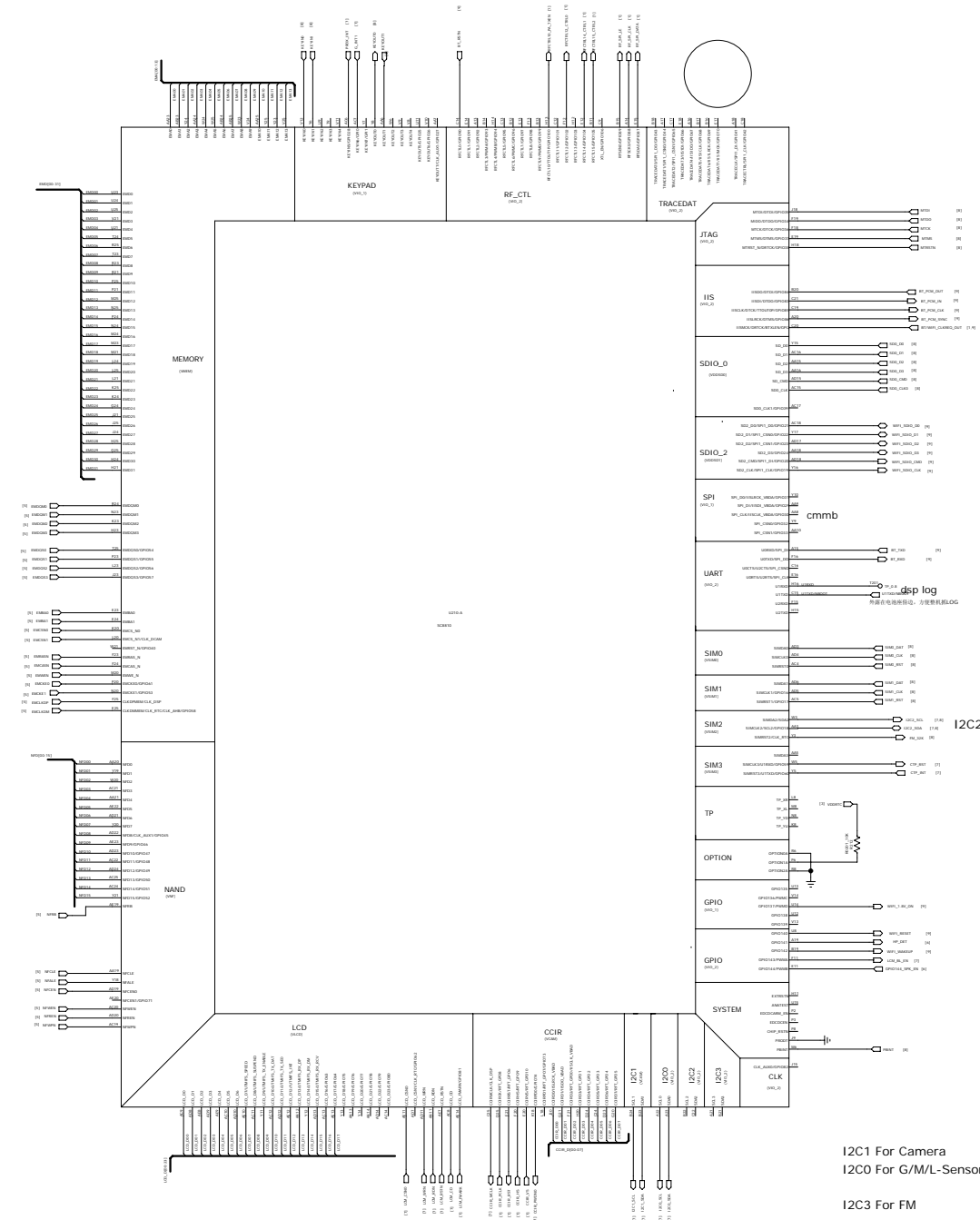


TEMP SENSOR



REV	REV NO.	DESCRIPTION	DATE

BB_DIGITAL



	L	H
OPTION0	Internal Core DC-DC	External Core DC-DC
OPTION1	LDO Concurrent Startup	LDO Sequence Startup
OPTION2	Internal ARM DC-DC	External ARM DC-DC

I2C1 For Camera
I2C0 For G/M/L-Sensor
I2C3 For FM

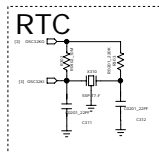
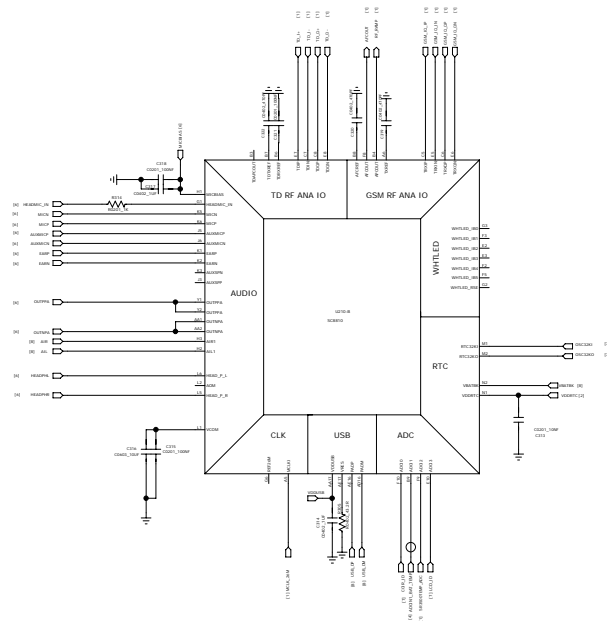


FIG 4 REV: SPB810-1_SCH_V1.1.0
ISSUED BY:

DESIGNED BY	Vincent Pan	DATE	2011-11-10	DEPARTMENT	Hardware DEPT.
CHECKED BY	Qingsong Xia	DATE	2011-11-10	COMPANY	Spreadtrum communications, Inc.
APPROVED BY	Gang Xu	DATE	2011-11-10	CONTRIBUTOR	designer: jay chen

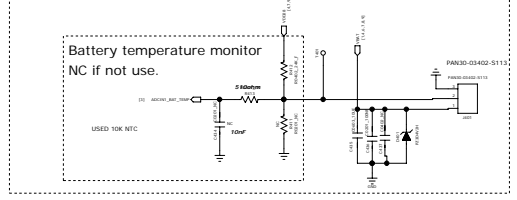
REVISION HISTORY			
REV.	REV. NO.	DESCRIPTION	DATE

BB_ANALOG

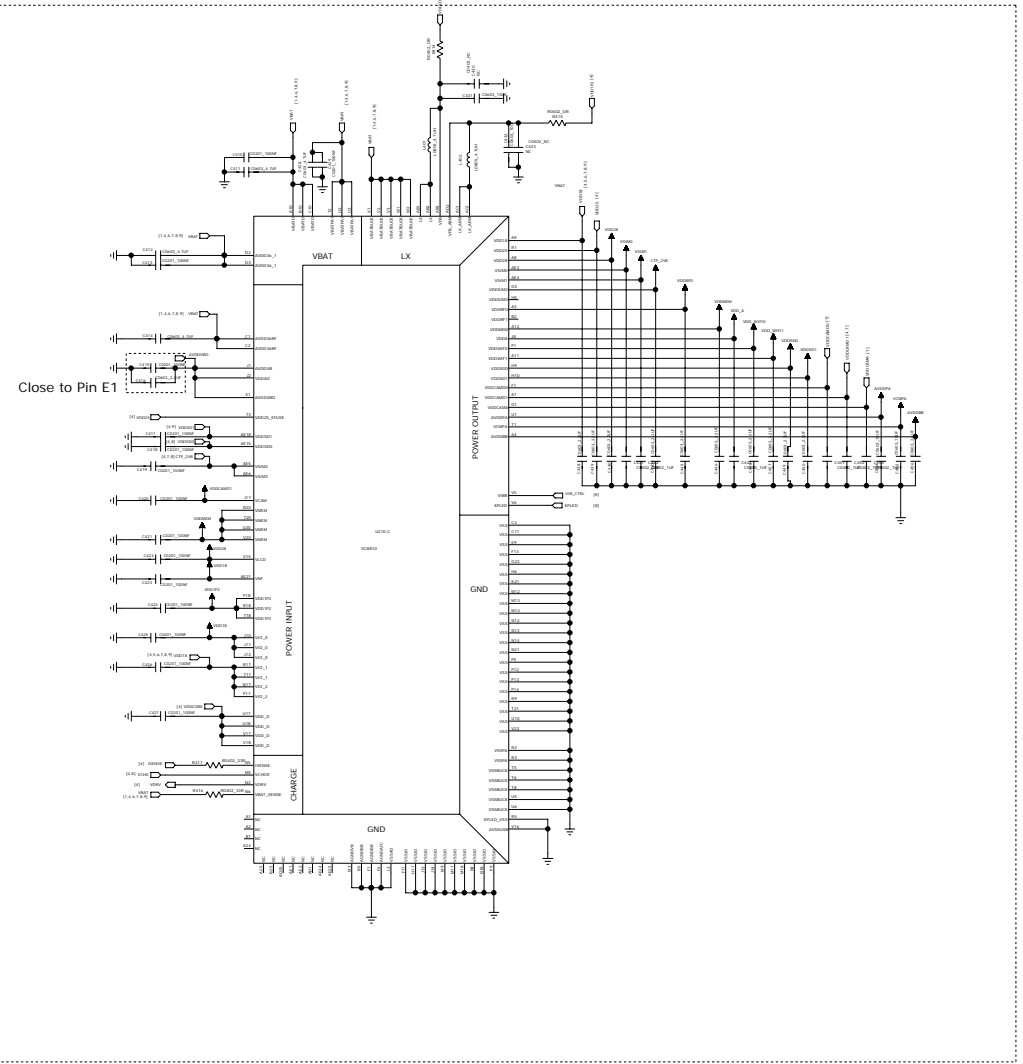
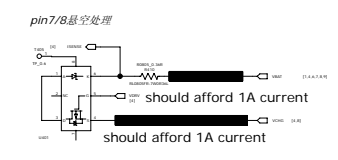


BB_POWER

BATTERY

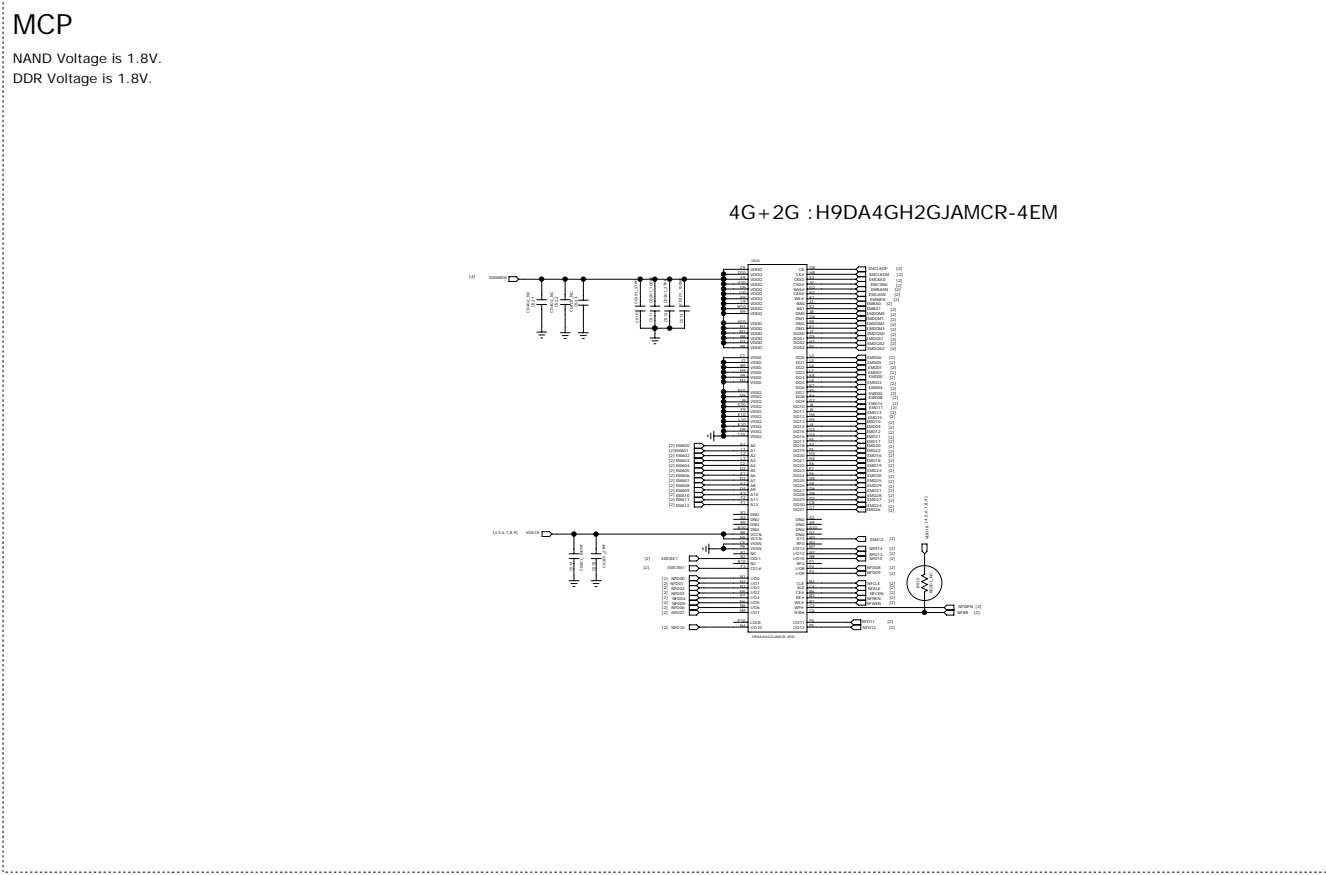


CHARGE



LDO	Output Voltage (V)	Output Current	Used Voltage
VDD18	1.2/1.5/1.8/2.8	200mA	1.8V
VDD25	2.5/2.75/2.9/3.0	60mA	2.5V
VDD28	1.8/2.65/2.8/3.0	200mA	2.8V
VSIM0	1.8/2.9/3.0/3.1	60mA	1.8/3.0V
VDDSIM1	1.8/2.9/3.0/3.1	60mA	1.8/3.0V(N/A)
VDDSIM2	1.2/1.8/2.8/3.0	200mA	2.8V
VDDSIM3	1.2/1.8/2.8/3.0	200mA	1.2V
VDDRF0	1.8/2.75/2.85/2.95	200mA	2.85V
VDDRF1	1.8/2.5/2.85/2.95	200mA	1.8V
VDDMEM	1.8	300mA	1.8V
VDDA	1.8	80mA	1.8V
VDDWIFI0	1.2/1.8/2.8/3.3	200mA	1.8V
VDDWIFI1	1.2/1.8/2.8/3.3	200mA	1.8V
VDDSD0	1.8/2.5/2.8/3.0	150mA	3.0V
VDDSD1	1.8/2.5/2.8/3.0	150mA	1.8V
VDDCAMD0	1.3/1.5/1.8/2.8	100mA	1.8V
VDDCAMD1	1.2/1.8/2.8/3.3	100mA	1.8V
VDDCAMA	1.8/2.5/2.8/3.0	150mA	2.8V
AVDDBB	2.8/2.9/3.0/3.1	60mA	3.0V
AVDDVB	2.9/3.2/3.3/3.4	100mA	3.3V
VDDUSB	3.1/3.2/3.3/3.4	60mA	3.3V
VBATBK	2.6/2.8/3.0/3.2		2.8V
VDDRTC	1.5/1.6/1.7/1.8		1.8V
VDDCORE	0.7/0.8/0.9/1.1/1.2/1.3	400mA	1.1V
VDDARM	0.7/0.8/0.9/1.1/1.2/1.3	500mA	1.2V

REVISION CONTROL			
REV.	REV. NO.	DESCRIPTION	DATE



USB Download Mode Select

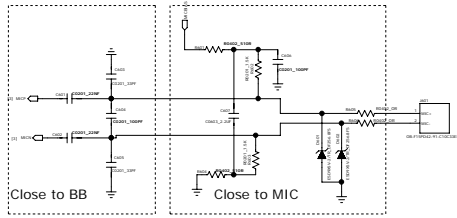
R0500 NF: USB2.0 HIGH SPEED DOWNLOAD
R0500 MOUNTED: USB2.0 FULL SPEED DOWNLOAD

NAND FLASH Configuration

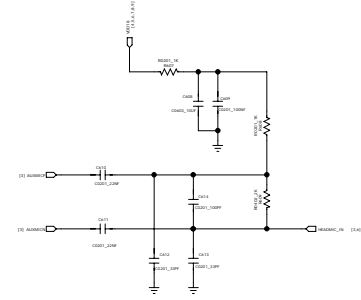
NAND FLASH	MD3	MD2	MD1	MD0	Size
NAND_PL_ADDR4_B16_A1	0	0	0	0	Size=1Gb
NAND_PL_ADDR4_B8_A1	0	0	0	1	
NAND_PL_ADDR5_B16_A1	0	0	1	0	Size>1Gb
NAND_PL_ADDR5_B8_A1	0	0	1	1	
NAND_PS_ADDR4_B16_A0	0	1	0	0	Size<=1Gb
NAND_PS_ADDR4_B8_A0	0	1	1	1	
NAND_PS_ADDR3_B16_A0	0	1	1	0	
NAND_PS_ADDR3_B8_A0	0	1	0	1	
Default	1	1	1	1	

REV.	REV. NO.	DESCRIPTION	DATE

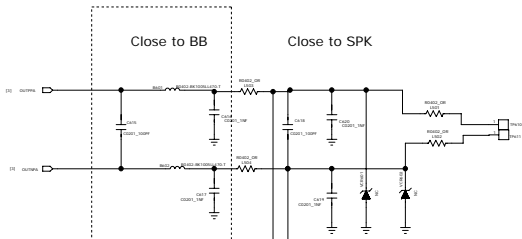
MIC CIRCUIT



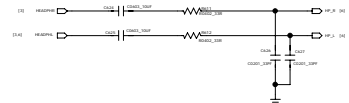
HEAD MIC



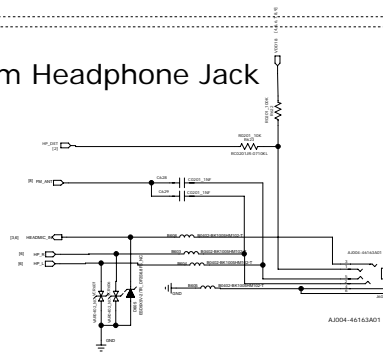
SPEAKER CIRCUIT



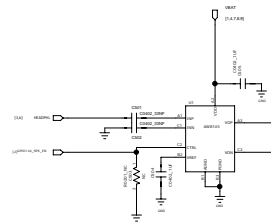
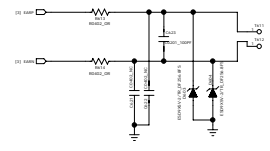
HEAD EAR



3.5mm Headphone Jack

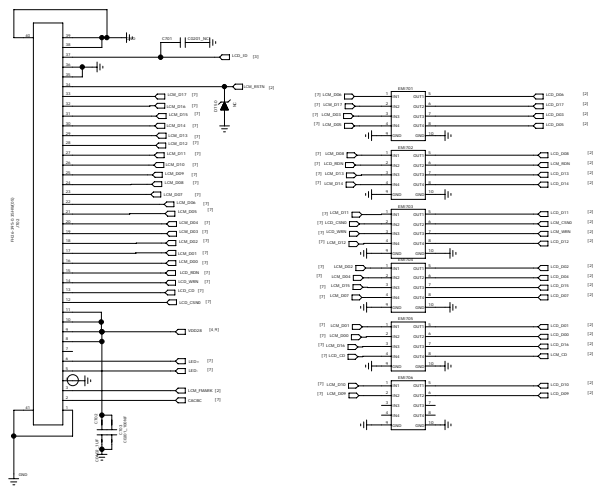


RECEIVER CIRCUIT

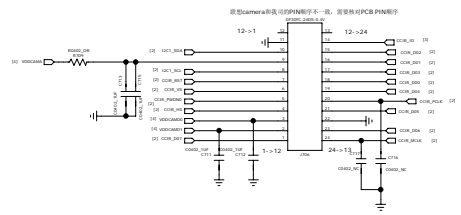


REV	REV NO.	DESCRIPTION	DATE

3.5" HVGA LCM



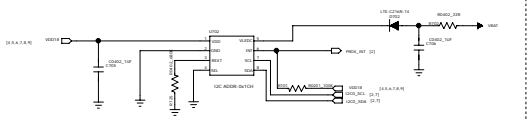
Pin	Description
1	GND
2	GND
3	ID
4	BIAS
5	MI1
6	MI2
7	DB17
8	DB16
9	DB15
10	DB14
11	DB13
12	DB12
13	DB11
14	DB10
15	DB9
16	DB8
17	DB7
18	DB6
19	DB5
20	DB4
21	DB3
22	DB2
23	DB1
24	DB0
25	MI0
26	MI0B
27	RS
28	NC5
29	IOVCC
30	IOVCC
31	VCC
32	VCC
33	NC
34	LED+
35	LED-
36	VDDP
37	PARALLEL
38	CANC
39	GND



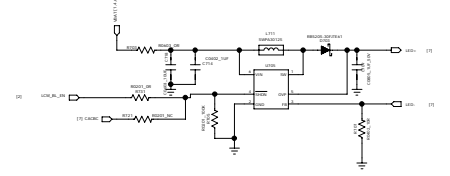
Pin	Description
1	NC
2	AGND
3	SIG-D
4	AVDDQVH
5	SIG-C
6	RESET
7	VOVNC
8	PSION
9	HEFE
10	DOVDDVH
11	DOVDDVB
12	VV
13	XCLK
14	VS
15	DGND
16	V7
17	PCLK
18	V6
19	V2
20	V5
21	V2
22	V4
23	V2
24	NC

DVDD = VDDCAMD0 = 1.8V
DOVDD = VDDCAMD1 = 2.8V
AVDD = VDDCAMA = 2.8V

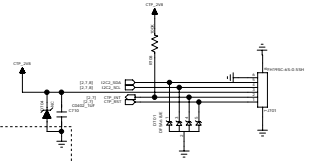
Ambient Light Sensor with Proximity Sensor



Back Light Driver for 6LEDs In Series



3.5" Capacitive TP

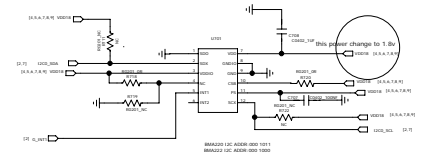


TP0	TP0_0 (1,2,3,4,5,6,7,8,9)
TP1	TP1_0 (1,2,3,4,5,6,7,8,9)
TP2	TP2_0 (1,2,3,4,5,6,7,8,9)
TP3	TP3_0 (1,2,3,4,5,6,7,8,9)
TP4	TP4_0 (1,2,3,4,5,6,7,8,9)
TP5	TP5_0 (1,2,3,4,5,6,7,8,9)

G Sensor

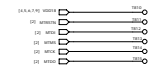
Pin	Description
1	NC
2	NC
3	NC
4	NC

3-Axis G-Sensor

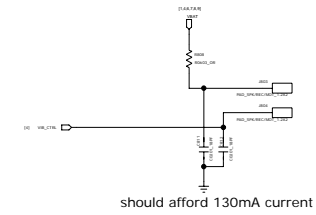


REV	REV NO	APPROVAL	DATE

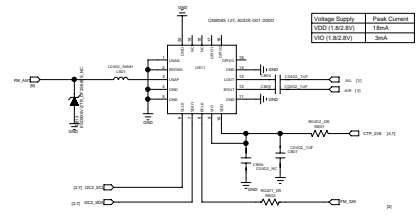
ARM JTAG



VIBRATOR

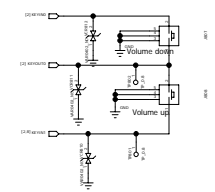
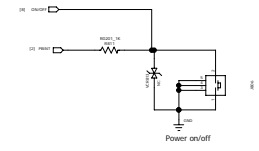
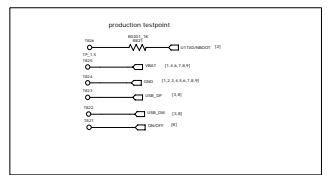
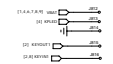
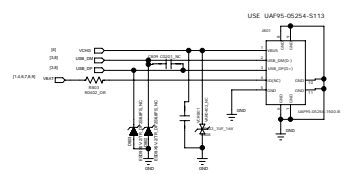


FM



5 pin USB

USB BOOT CONTROL
 NBOOT = Float---->NAND BOOT
 NBOOT = 0 ---->USB BOOT



Press KEYIN0+KEYOUT0 when power up
 will make the phone boot from USB

REV.	BY	DATE	DESCRIPTION

