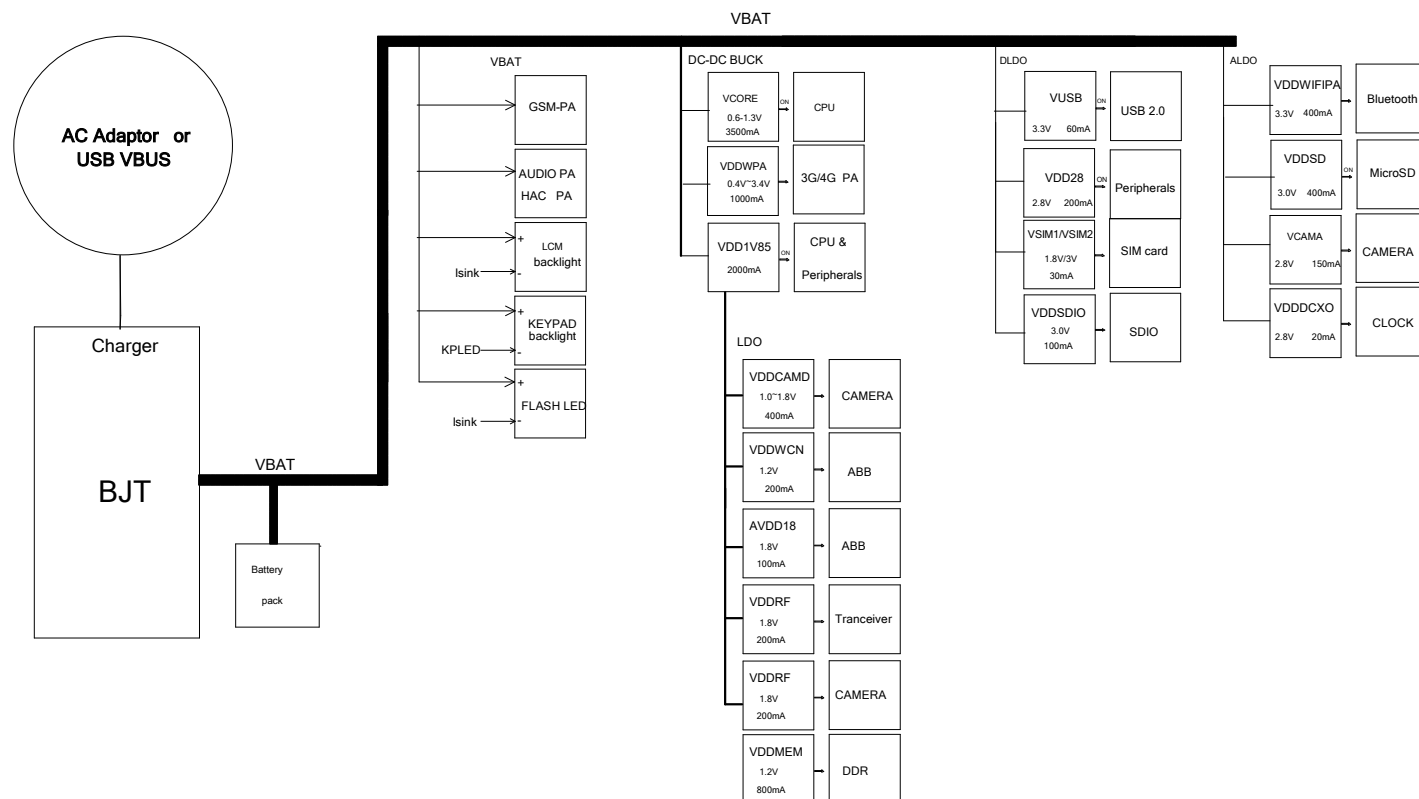


REVISION RECORD			
LTN	SECOND	APPROVED	DATE

UMS9117-L PMU:SC2720A



		COMPANY			
		P.L.N.			
DRIVER	ONTO				
DRIVER'S	ONTO	CODE	SIZE	DRINKING	NEW
QUALITY CONTROL		A0			
RELEASED	ONTO	DATE: 24			

RF BLOCK DIAGRAM

REVISIONS			
REV	DATE	DESCRIPTION	BY

DESIGNER		DATE		REVISION	
DRAWN		DATE		REVISION	
CHECKED		DATE		REVISION	
APPROVED		DATE		REVISION	

GPIO Configuration For T117_1_IRD_A_V1.0.0_Informal

GPIO Pin Configuration			
Pin	Signal	Direction	IOV

Revision		Date	
Description		Author	
Part		Version	
Comments		Configuration	

Note: the unused GPIO is NU

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REVISIONS			
REV	DATE	DESCRIPTION	BY

V1.0.0

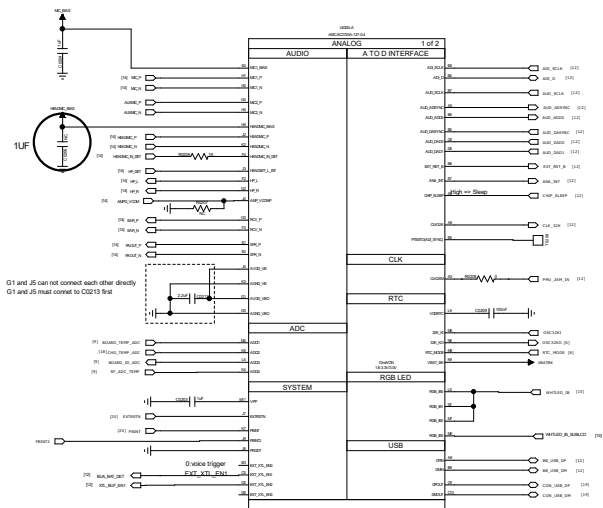
Change_Note

V0.1 20221102 CREATED DDONGHUA

REVISIONS		REVISIONS	
REVISION	DATE	DESCRIPTION	BY

RECEIVED			
DATE	RECEIVED	APPROVED	DATE

PMU_ANALOG



BKBT



RTC

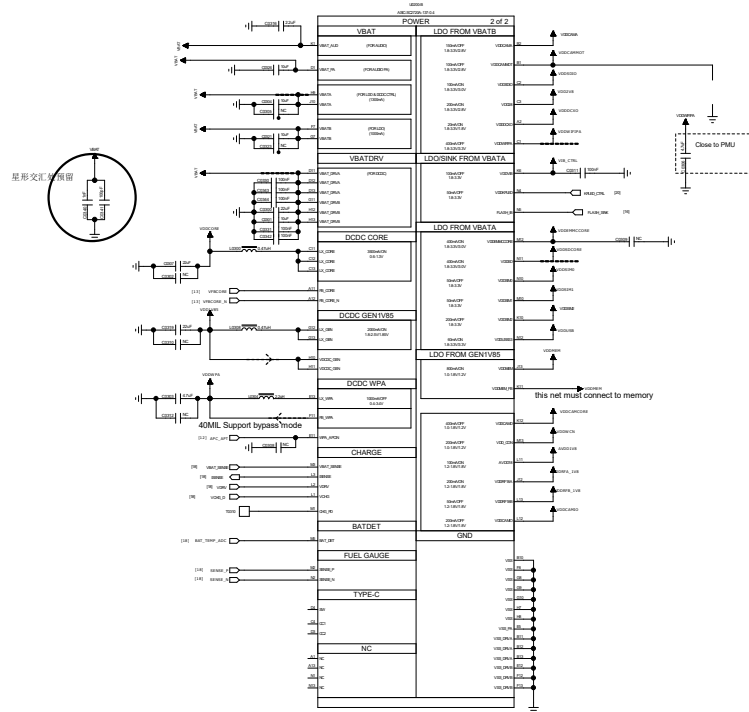


RTC mode select:1(32K-less);0(crystal

RTC Mode	R0204	R0203	X0200	C0201	C0202	R0202	R0214	
32K Crystal	NF	0R	Crystal	8.2pF	8.2pF	0R	NF	
32K-less	10K	NF	NF	NF	NF	NF	0R	

		VOLUME NO:	
		REVISED DATE:	
ISSUES	DATED	APPROVED BY:	
SIC	DATED	COMMENTS:	
APPROVALS	DATED	CONSENSUAL AGREEMENTS:	

PMU_POWER



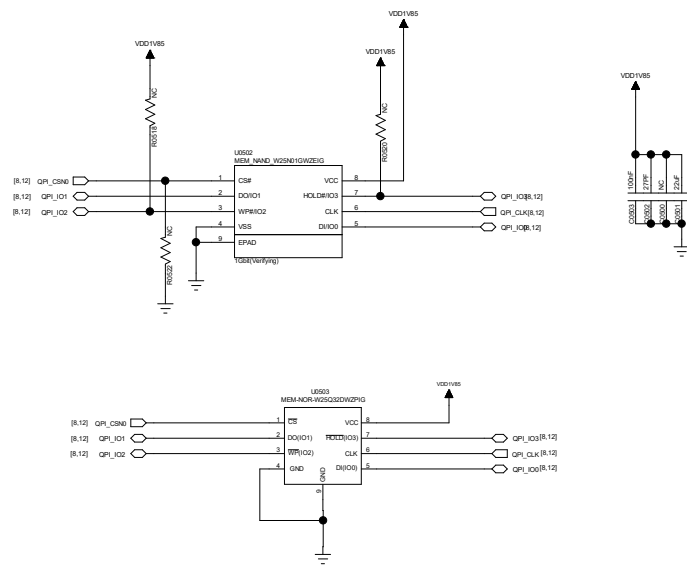
SC2720 DCDC output

Input Power	Power Name	Output Voltage (V)	Output Current	Default Voltage	Default
VBAT	DCDCCORE	0.4-1.4	3500mA	0.9V	ON
	DCDCGEN1V8	1.6-2.1	2000mA	1.85V	ON
	DCDCWPA	0.4-3.4 2x and 2.5x ramp	1000mA		OFF

SC2720 LDO output

Input Power	Power Name	Output Voltage (V)	Output Current	Default Voltage	Default
LDO from VBAT	VDDCAMA	1.8-3.3	150mA	2.8V	OFF
	VDDCAMPOT	1.8-3.3	100mA	2.8V	OFF
	VDDSIM0	1.8-3.3	50mA		OFF
	VDDSIM1	1.8-3.3	50mA		OFF
	VDDSIM2	1.8-3.3	200mA		OFF
	VDDMMCCORE	1.8-3.3	400mA	3.0V	ON
	VDDSD	1.8-3.3	400mA	3.0V	ON
	VDDSDIO	1.8-3.3	400mA	3.0V	ON
	VDD28	1.8-3.3	200mA	2.8V	ON
	VBATBK	1.8-3.3	10mA	3.0V	ON
	VDDVIB	1.8-3.3	100mA		OFF
	VDDKPLED	1.8-3.3	50mA		OFF
	VDDWIFIPA	1.8-3.3	400mA	3.3V	OFF
	VDDCCXO	1.8-3.3	20mA	1.8V	ON
	VDDUSB33	1.8-3.3	60mA	3.3V	ON
LDO from DCDCGEN	VDD_MEM	1.0-1.8	800mA	1.2V	ON
	VDDCAMD	1.0-1.8	400mA	1.2V	OFF
	VDDRFB	1.2-1.8	50mA	1.8V	OFF
	VDD_CON	1.0-1.8	200mA	1.2V	OFF
	VDDCAMIO	1.2-1.8	200mA	1.8V	OFF
	AVDD18	1.2-1.8	100mA	1.8V	ON
	VDDRFA	1.2-1.8	200mA	1.8V	ON

SPI FLASH

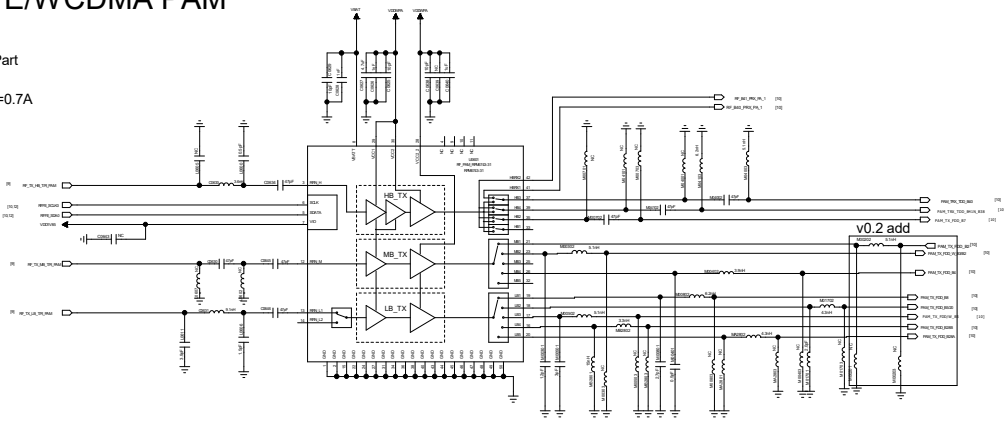


NAND Flash(Backup)

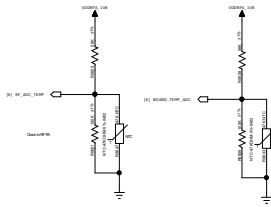
REVISIONS			
NO.	REASON	APPROVAL	DATE

LTE/WCDMA PAM

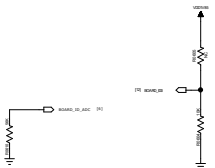
PA Part
Ipp=0.7A



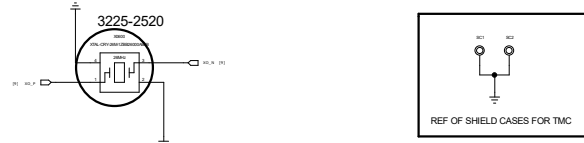
NTC



Band info

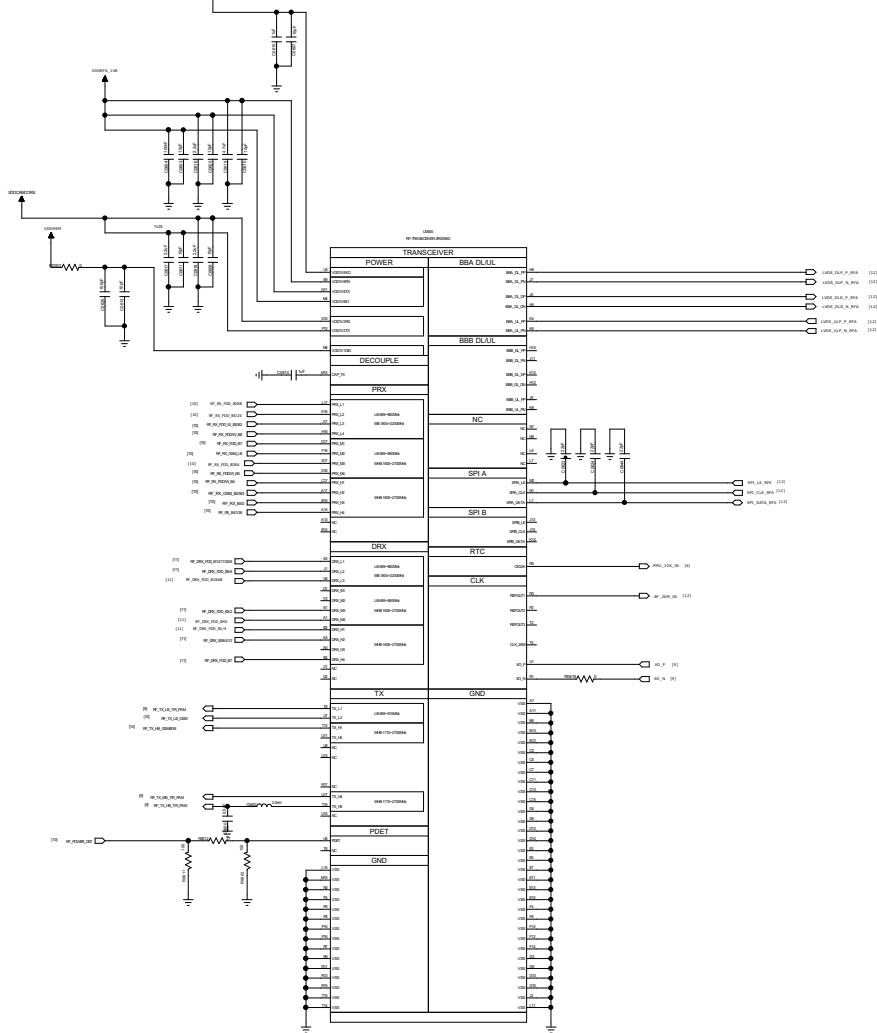


DCXO



Tranceiver

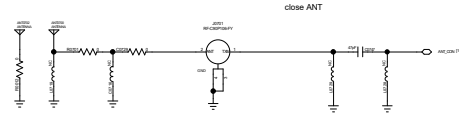
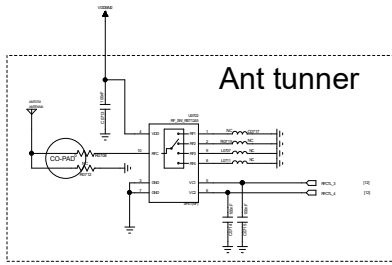
严格星型走线，各电容单独靠近对应pin脚



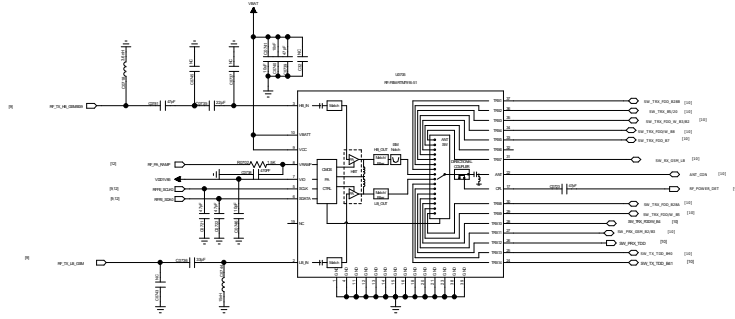
REVISIONS			
NO.	REASON	APPROVAL	DATE

Version	01/03	Department	Hardware DEPT.
Rev.	01/03	Company	Spreadtrum communications, Inc.
Appr.	01/03	Department	

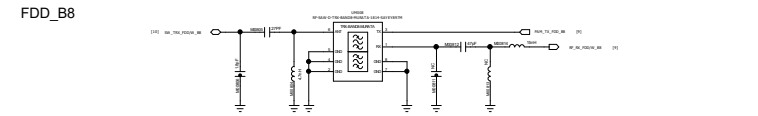
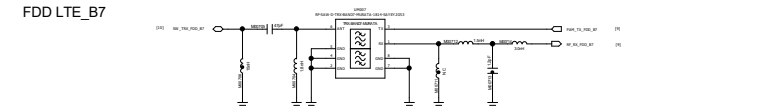
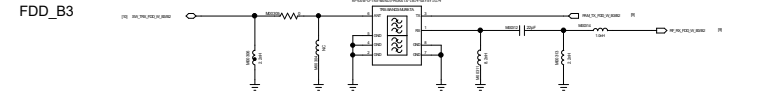
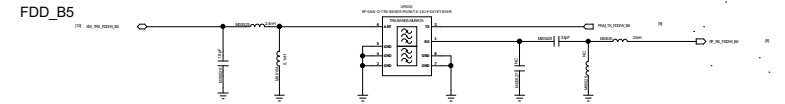
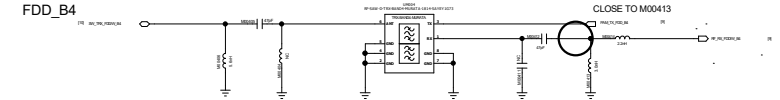
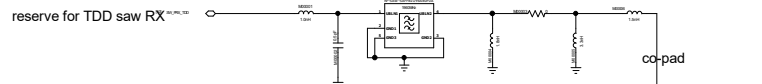
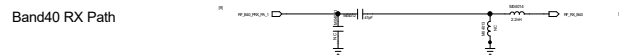
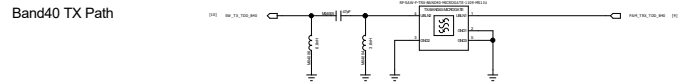
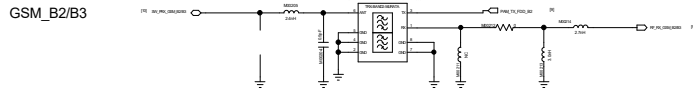
Primary Antenna



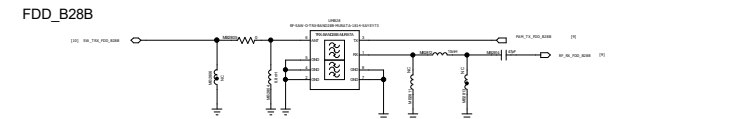
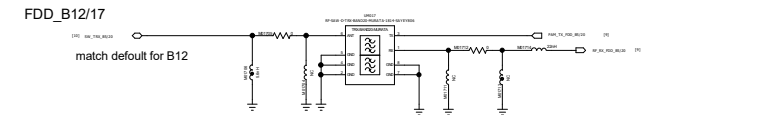
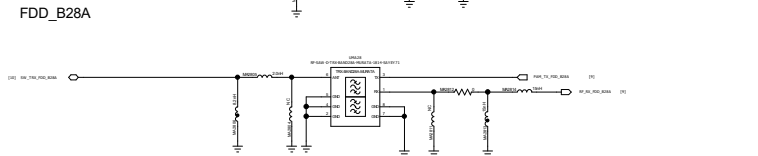
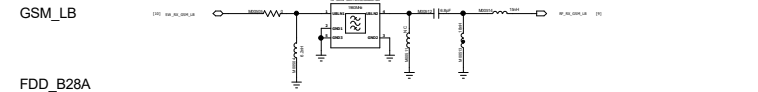
TDD B34/B39/GSM PA + Switch



v0.2 add
UMX02 改成um002



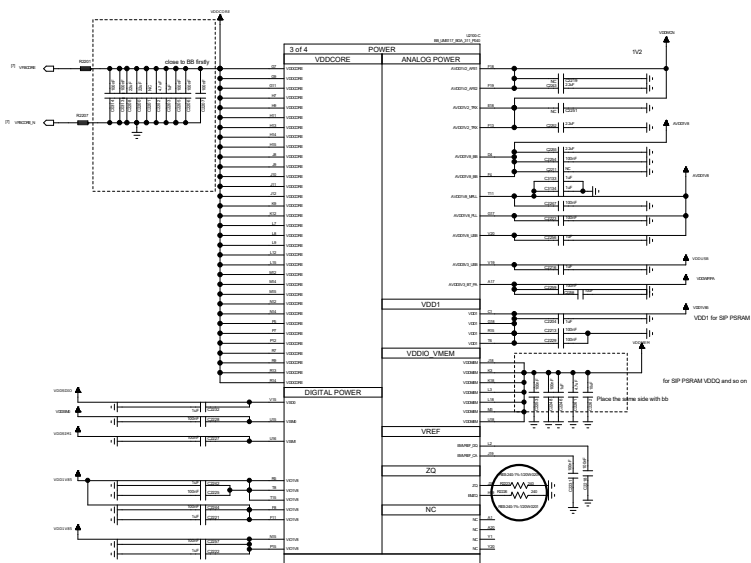
FF606删除一路低频DPX, B5做FDD时使用B20通路



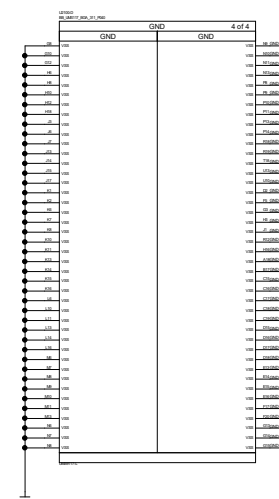
Version:		Hardware DEPT.	
Date:		Spectrum communications, Inc.	
Applicable:		Copyright © 2000	

REVISION RECORD			
DATE	REVISION	APPROVED	QMS

POWER



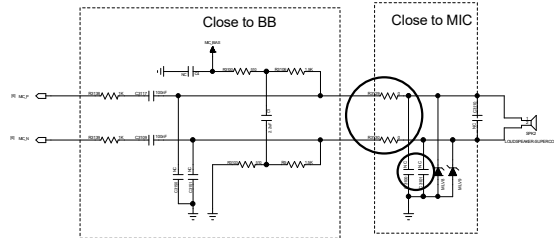
GND



		TRAIL NO.
		ACCOUNT NO.
ISSUANCE	30750	DESCRIPTION
		Hardware DEPT.
DATE	30750	COMPANY
		Spectrum communications, Inc.
SUPPLIES	30750	CHARGES, AND REMITTANCE

RECEIVED/RECEIVED			
DATE	RECEIVED	APPROVED	GRAB

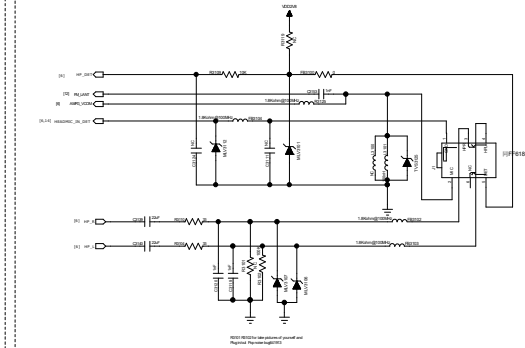
MAIN MIC



AUX MIC

3.5mm Ear Jack

Close to Ear Jack

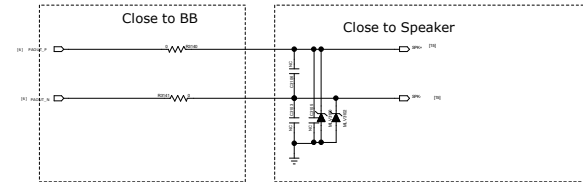


Ear Jack suggest support:

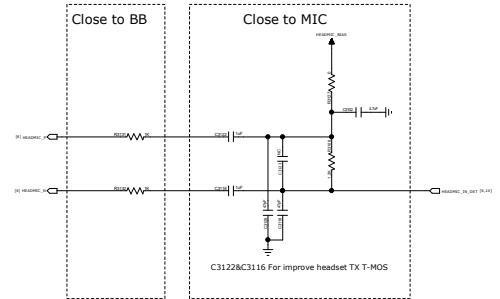
Earphone	Pin 4 & Pin 5
Plug in	Connect
Pull out	Disconnect

L,R,GND,MIC CTIA

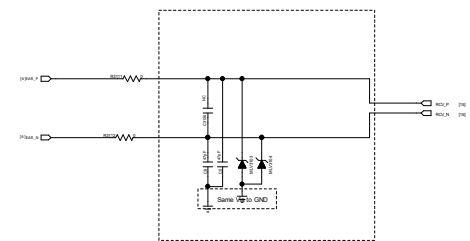
SPEAKER



HEAD MIC

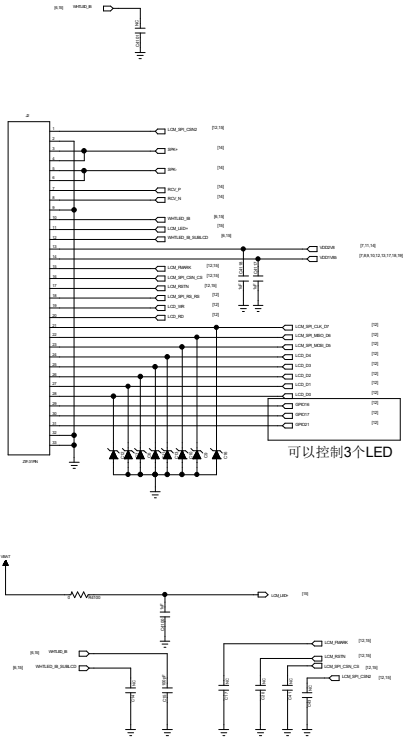


RECEIVER



		ISSUED BY	
		ISSUED FOR	
ISSUER	IS FOR	ISSUED TO Hardware DEPT.	
FOR	IS FOR	COMMON Spectrum communications, Inc.	
APPROVED	IS FOR	CONTRACT, AGREEMENT	

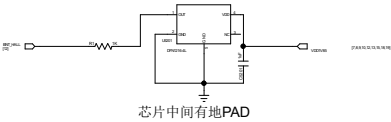
Revision History			
Ver.	Revise	Revise Date	Revise



Revision History		Revision History	
Ver.	Revise	Revise Date	Revise

Revision History			
Rev	Reviz	Revizor	Reviz

HALL



Accelerometer: BMA253(backup)

I2C ADDRESS

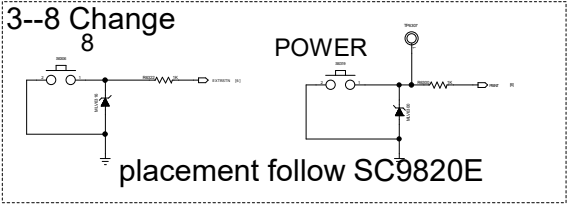
	Manufacturer	MPN	Address
A sensor	BSI SCH	BMA253	(860)11001 (SDO+1)

PIN	Definition
VDD	1.62V - 3.6V
VDDIO	1.2V - 3.6V
SDO	Address select
SCx	SCL for I2C
SDx	SDA for I2C
PS	Protocol SelectionH—I2C
INT1	Interrupt PIN
INT2	Interrupt PIN
CSB	Chip selectH—I2C

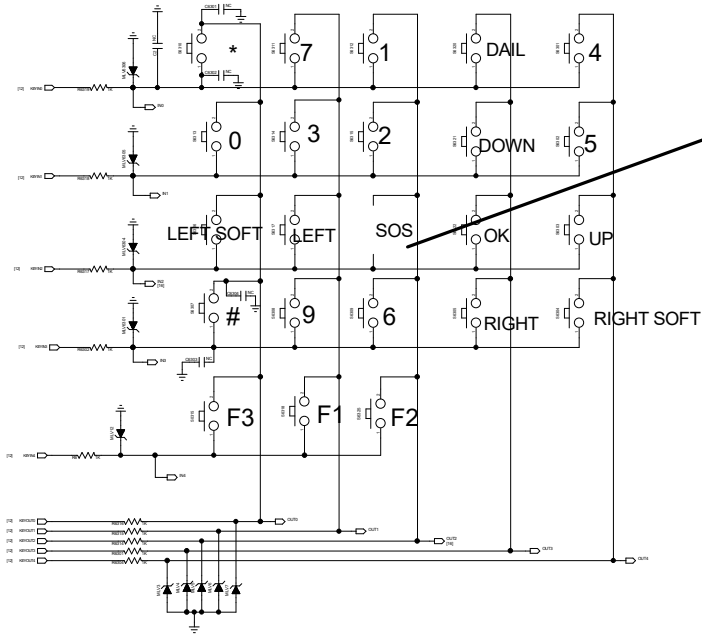
Title: B1		Revision: 1.0	
Date: 2023-10-27		Author: Hardware DEPT.	
Drawn: 2023-10-27		Checked: Spreadtrum communications, Inc.	
Approved: 2023-10-27		Comments: 1.0	

Revision History			
Ver.	Revised By	Approved By	Date

KEYPAD



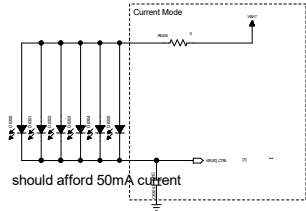
placement follow SC9820E



SOS: 放在 CAMERA FPC 上

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

KEYPAD LED

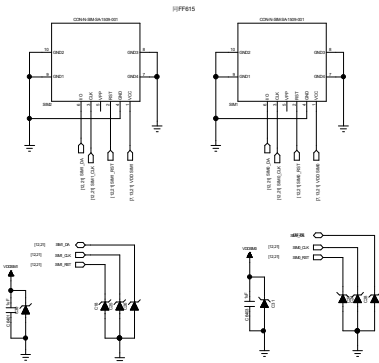


Support 2 mode.Choose any one.and then delete 0ohm select resistor

Title: KEYPAD		
Description: KEYPAD		
Author: Hardware DEPT.	Date: 2019.01.10	Version: 1.0
Applicant: Spreadtrum communications, Inc.	Date: 2019.01.10	Version: 1.0
Copyright: Spreadtrum communications, Inc.		

REVISIONS			
REV	DATE	APPROVAL	BY

SIM0 & SIM1



Test

REVISED BY		DATE	DESCRIPTION
DESIGNED BY		DATE	DESCRIPTION
DESIGNED	DATE	DESIGNED BY	DESCRIPTION
CHKD	DATE	CHKD BY	DESCRIPTION
APPROVED	DATE	APPROVED BY	DESCRIPTION
Spreadtrum communications, Inc.			
CONFIDENTIAL - PROPRIETARY			

6

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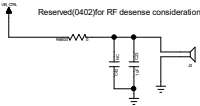
3

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1

REVISIONS			
REV	DATE	DESCRIPTION	BY

VIBRATOR



should afford 200mA current

DESIGNED BY		DESIGNED BY	
DATE	DATE	Hardware DEPT.	
DATE	DATE	Spreadtrum communications, Inc.	
DATE	DATE	CONFIDENTIAL AND PROPRIETARY	

