

 福州瑞芯微电子有限公司	
Title: RK2818_7.0_REF	
File: SYSTEM DIGRAM	REV: 1.1
Create Date: Tuesday, June 08, 2010	Page Num: 1
Modify Date: Monday, November 29, 2010	Page Total: 8

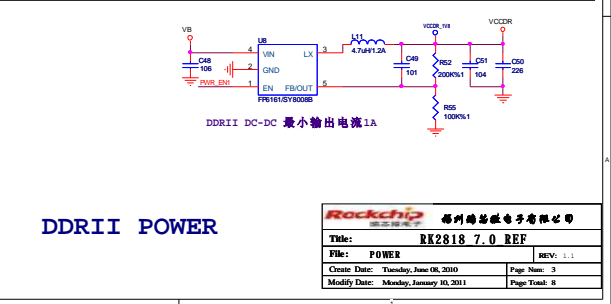
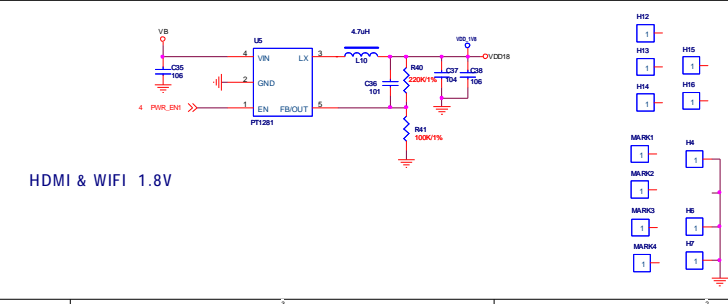
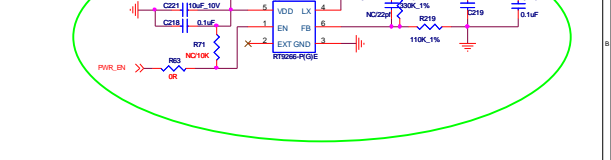
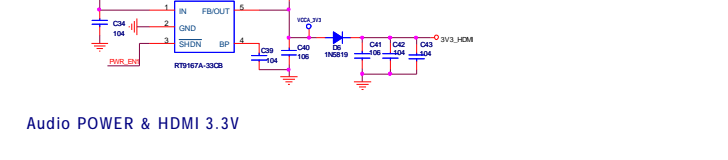
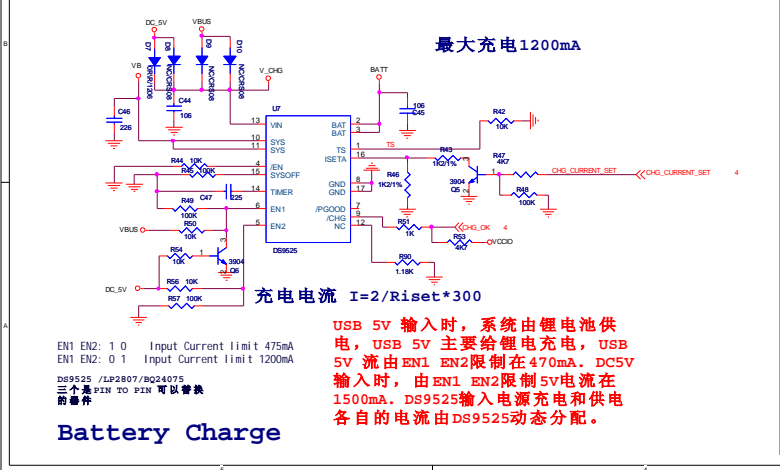
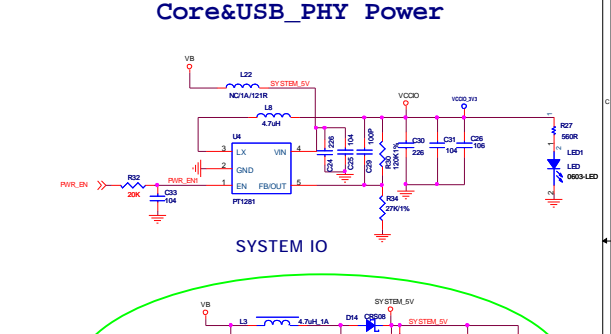
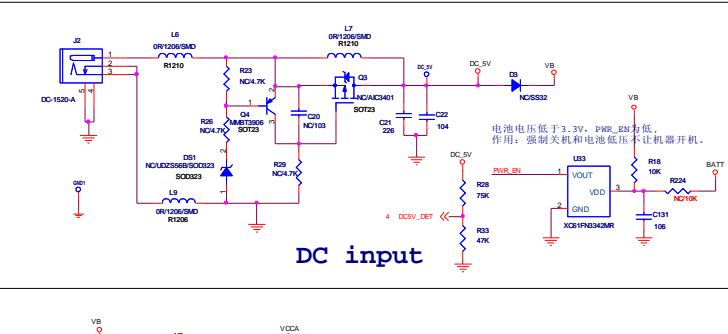
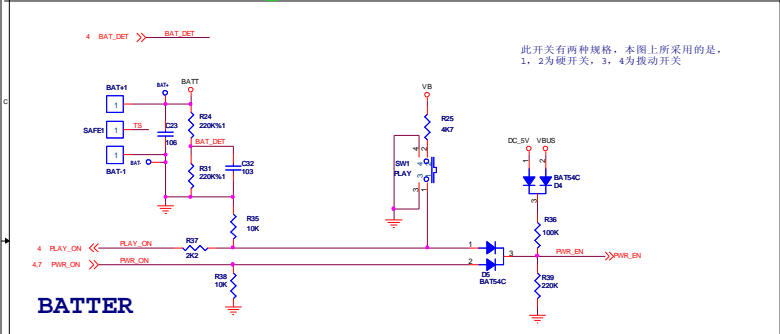
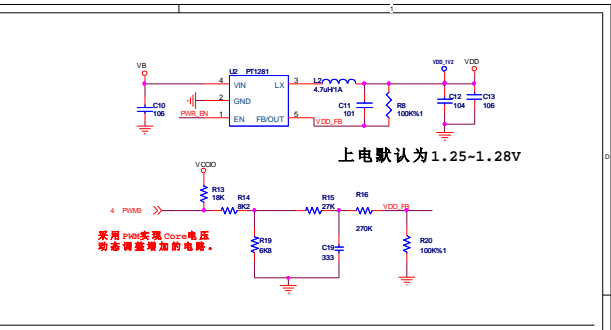
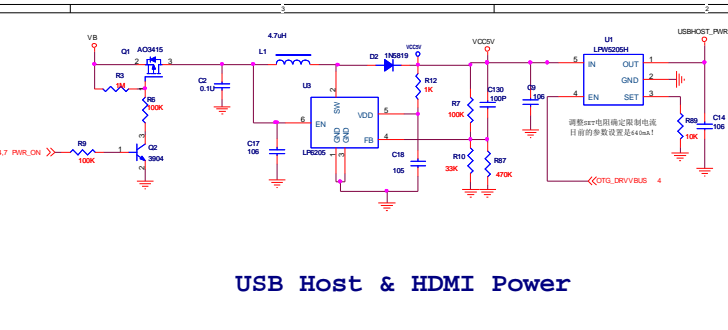
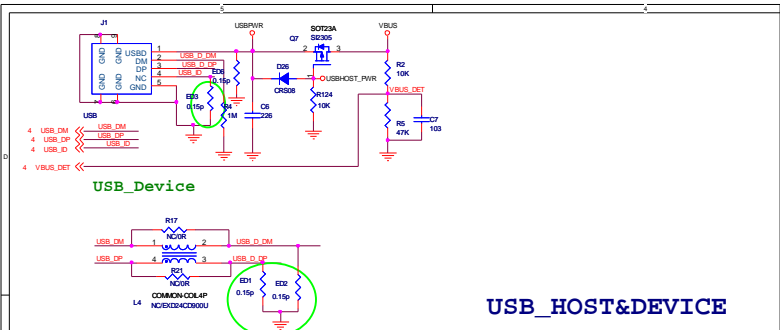
Version	Date	Author	Change Note	Approved
V1.0	20100624	HCH	First edition	
V1.1	20100626	HCH	1.U7改成3.3V LDO, 输出网络改名为VCCA 2.D11改成1N4148, 阳极改接到VCCA网络上 3.更改USB充电输入错误	

GPIO

GPIO	FUNCTION	GPIO	FUNCTION	GPIO	FUNCTION	GPIO	FUNCTION
PA0	RECOVER	PB7	TOUCH_DOUT	PF3	SD0_DET	PG0	EVDO_ONOFF
PA1	SENSOR_PWDN	PE0	GSENSOR_INT	PF4	NAND_DETECT	PG1	EVDO_RST
PA2	JOG_LEFT	PE1	PLAY_ON_IDLE	PF5	PWM3(VDD ajust)	PG2	WIFI_CMD
PA3	JOG_RIGHT	PE2	WAKEUP_INT	PF7	SPK_CTL	PG3	WIFI_D0
PA4	WIFI_RST	PE3	TOUCH_INT	PH0	SD0_CMD	PG4	WIFI_D1
PB0	EVDO_POWERON	PE4	JOG_UP	PH1	SD_D0	PG5	WIFI_D2
PB1	WIFI_PWN	PE5	JOG_DOWN	PH2	SD_D1	PG6	WIFI_D3
PB2	CHG_CURRENT_SET	PE6	I2C1_SDA	PH3	SD_D2	PG7	WIFI_CLK
PB3	CHG_OK	PE7	I2C1_SCL	PH4	SD_D3	AIN0	BAT_DET
PB4	LCD_DISP_ON	PF0	UART1_RX	PH5	SD0_CLK	AIN1	AD KEY
PB5	TOUCH_CLK	PF1	UART1_TX	PH6	LCD_SCEN	AIN2	DC_DET
PB6	TOUCH_DIN	PF2	LED_PWM0	PH7	PWR_ON		

备注: 1.红色字体的IO, 不能更改!!!  
2.RK2818的PA口和PE口可以做中断输入口!

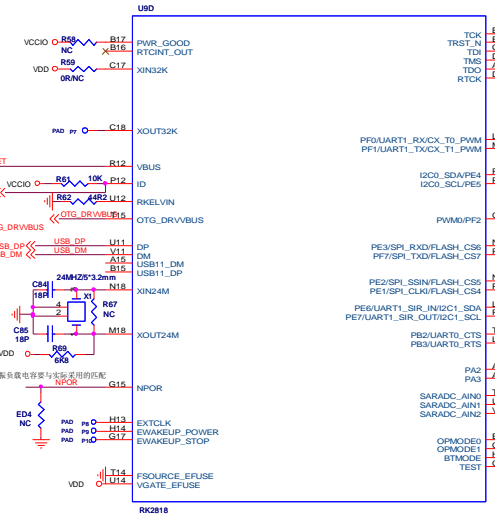
 <b>福州瑞芯微电子有限公司</b>	
<b>Title: RK2818_7.0_REF</b>	
<b>File: MODIFY NOTE</b>	REV: 1.1
Create Date: Tuesday, June 22, 2010	Page Num: 2
Modify Date: Monday, November 29, 2010	Page Total: 8



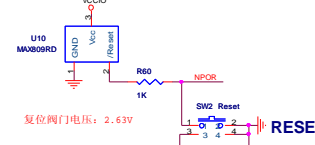
<b>Rockchip</b> 福州瑞芯微电子股份有限公司	
Title:	RR2818 7.0 REF
File:	POWER
Version:	1.1
Create Date:	Tuesday, June 01, 2010
Page Num:	3
Modify Date:	Monday, January 10, 2011
Page Total:	8

**RK2818 IO ASSIGNMENT**

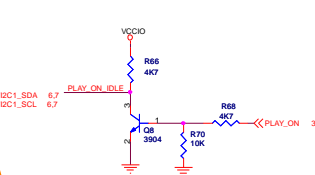
Sensor



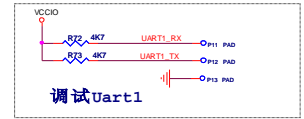
请引出JTAG 6个测试点



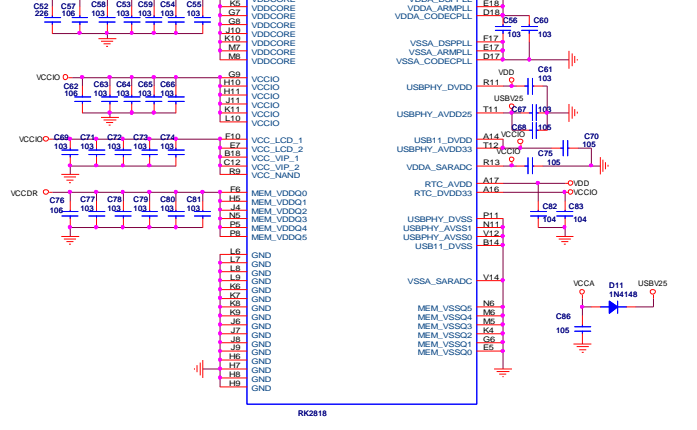
复位门电压: 2.63V



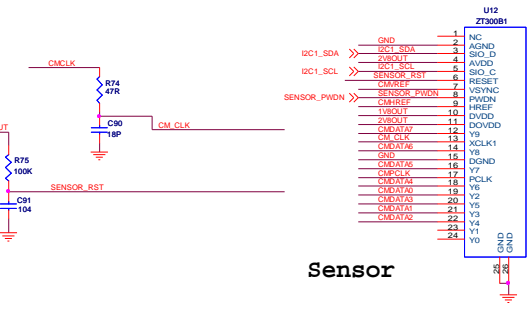
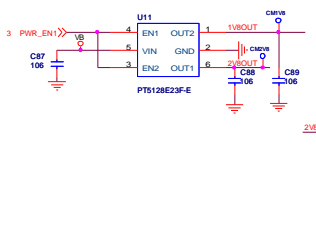
光敏电阻增加。



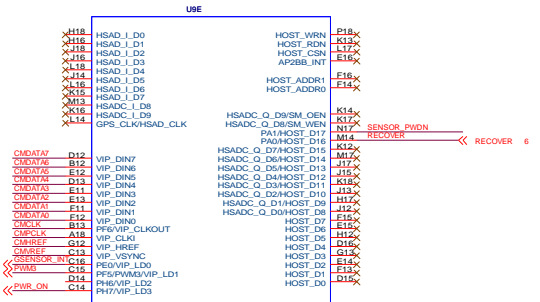
**RK2818 POWER PINS**



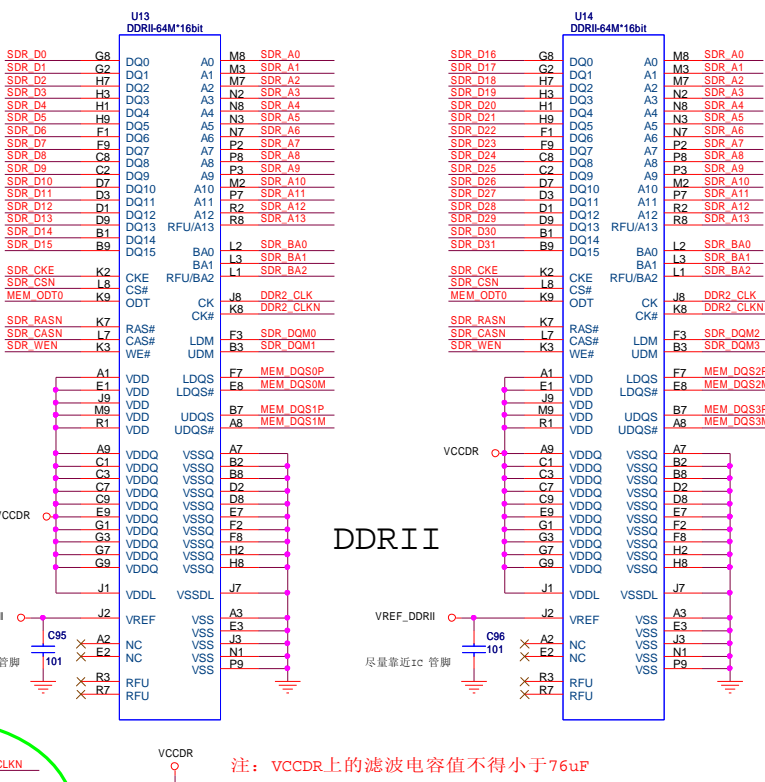
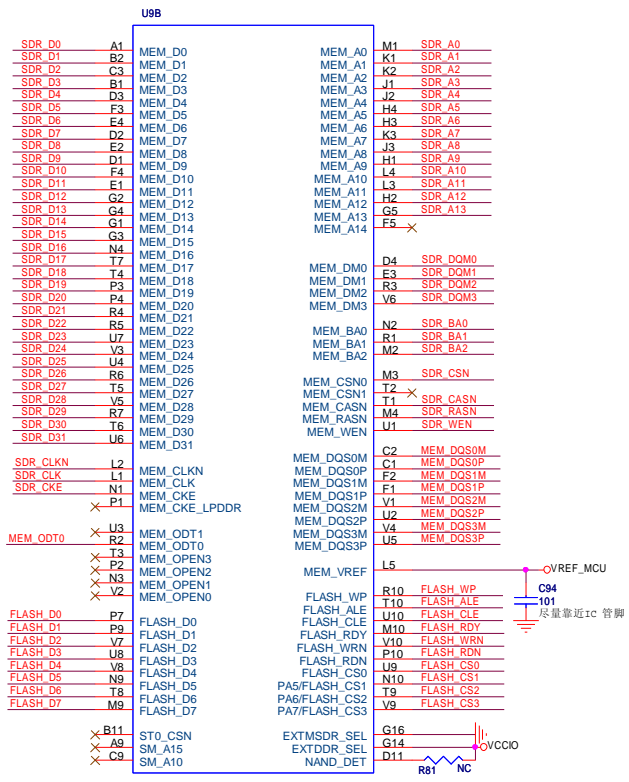
**RK2818 POWER PINS**



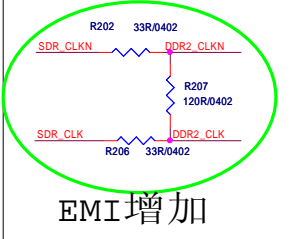
Sensor



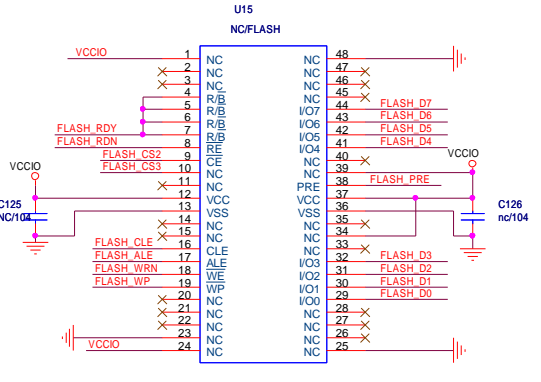
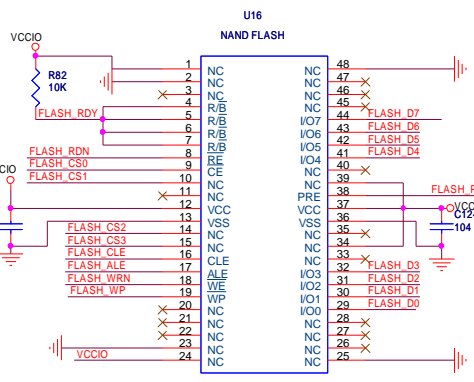
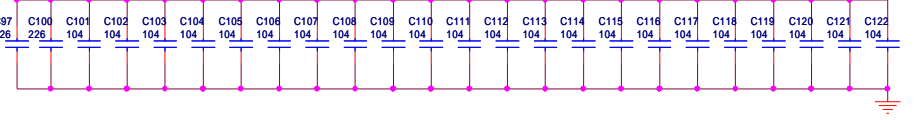
<b>Rackchip</b>		福州瑞芯微电子股份有限公司	
<b>Title: RK2818 7.0 REF</b>			
File: RK2818 IO SENSOR		REV: 1.1	
Create Date: Tuesday, June 09, 2010	Page Name: 4		Page Total: 8
Modify Date: Sunday, January 08, 2011			



### DDR I I



注：VCCDR上的滤波电容值不得小于76uF



### FLASH

**Rackchip**  
福州瑞芯微电子股份有限公司

Title: **RK2818 7.0 REF**

File: **MEMORY&FLASH**

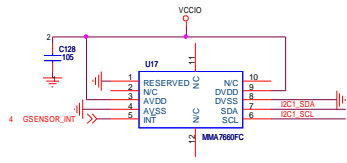
Create Date: Tuesday, June 08, 2010

Modify Date: Monday, November 29, 2010

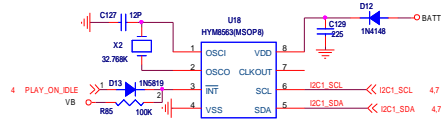
Page Num: 5

Page Total: 8

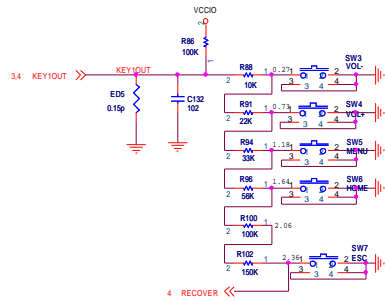
REV: 1.1



G\_SENSOR



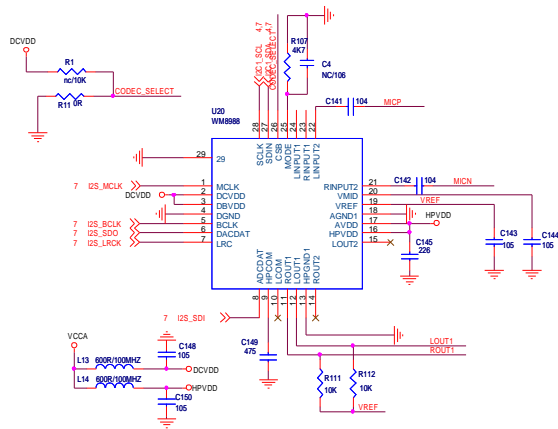
RTC



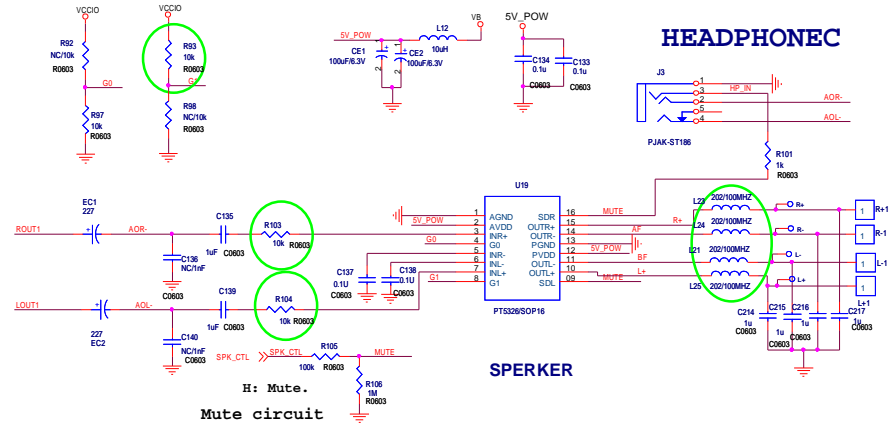
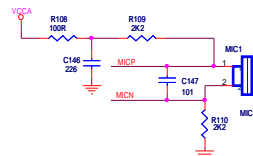
ADKey

esc复用软件升级按键：  
系统未上电前，按住esc  
键5s以上，esc复用键将最低  
状态即进入升级模式

KEY



CODEC

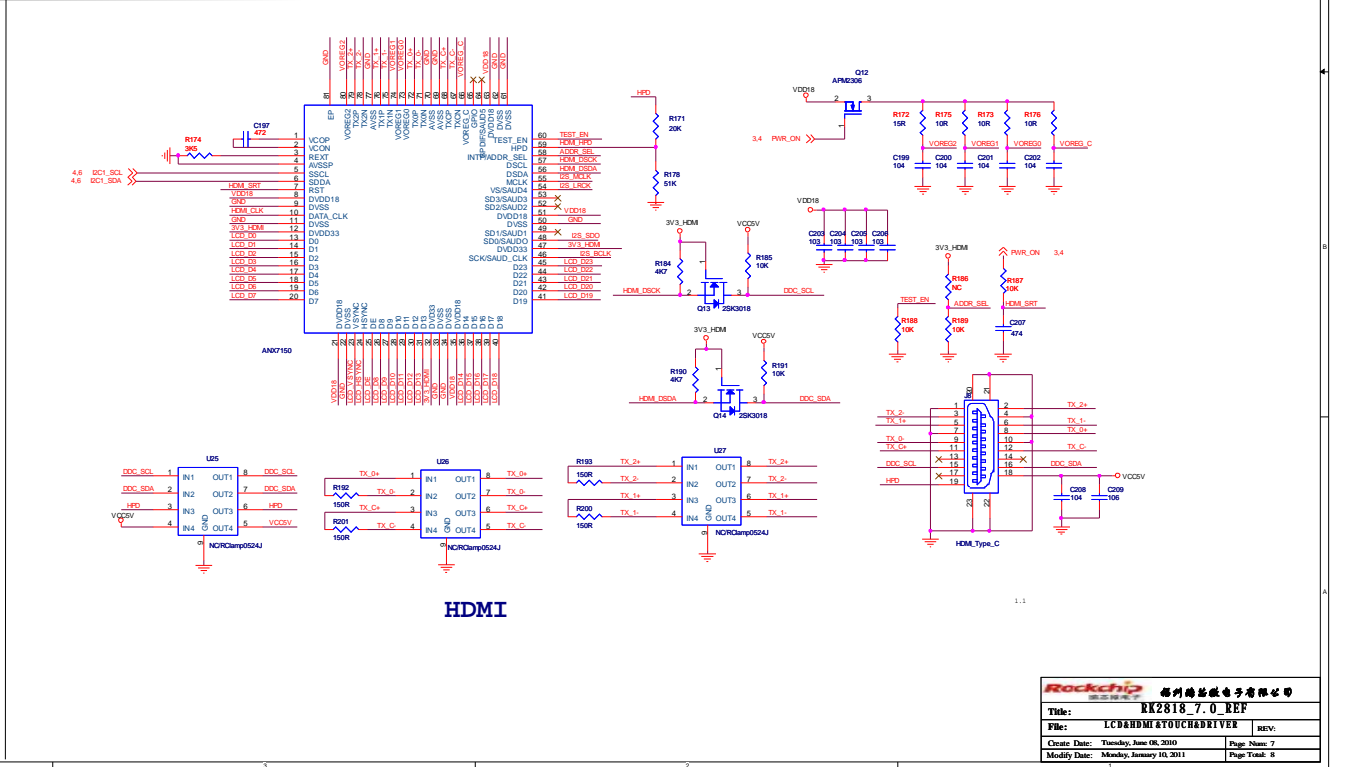
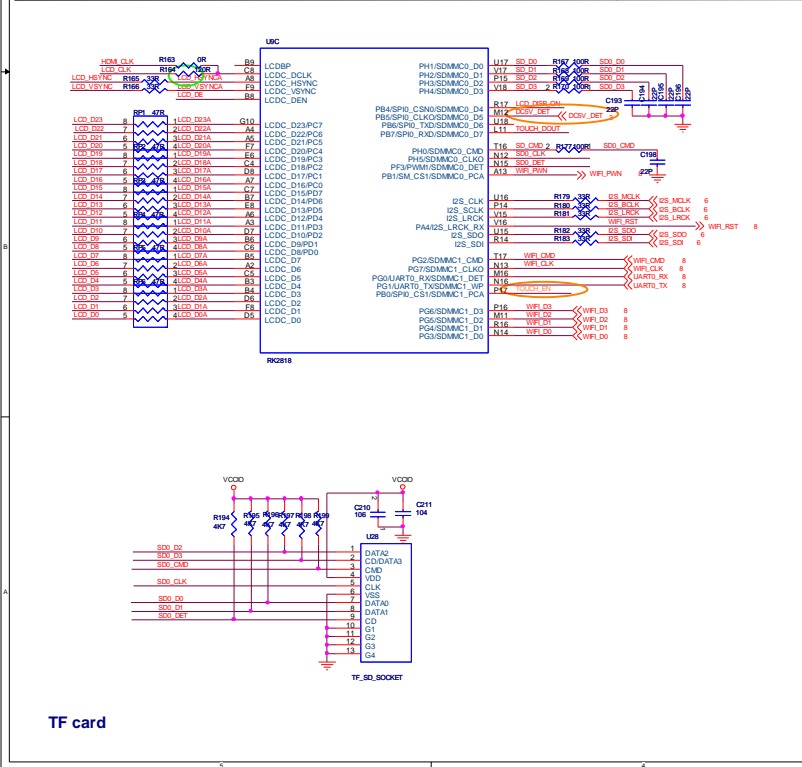
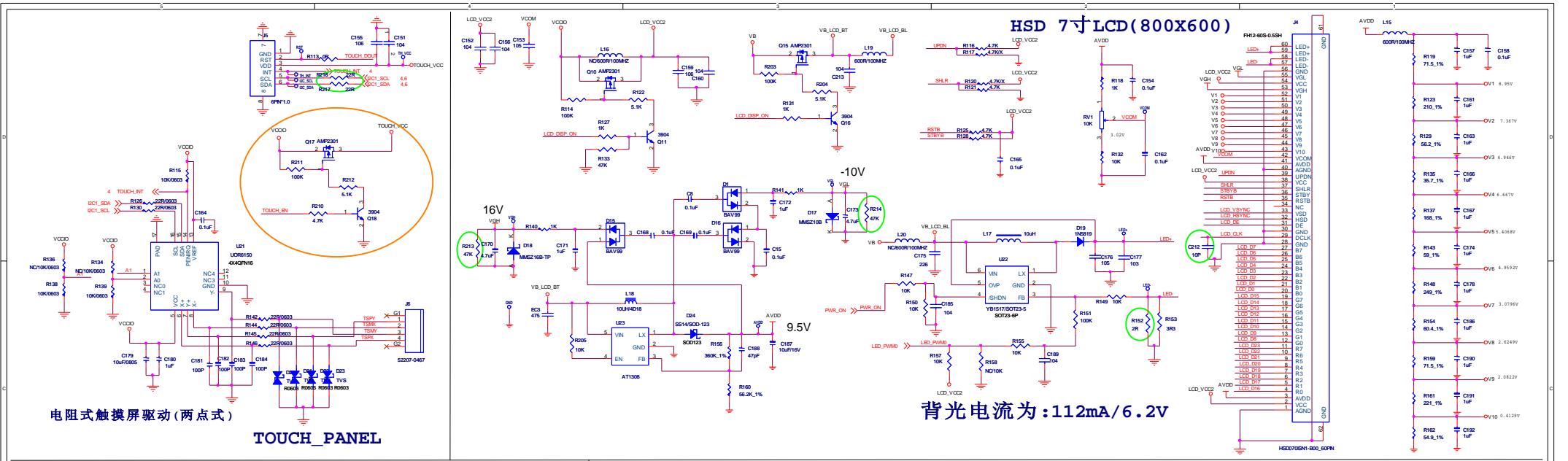


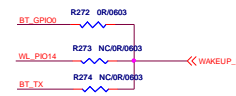
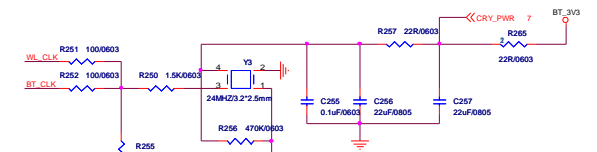
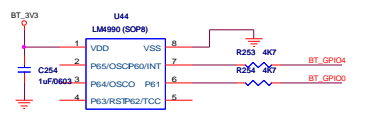
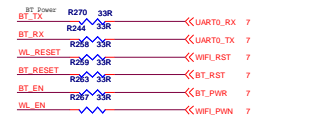
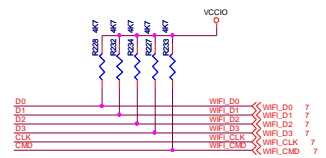
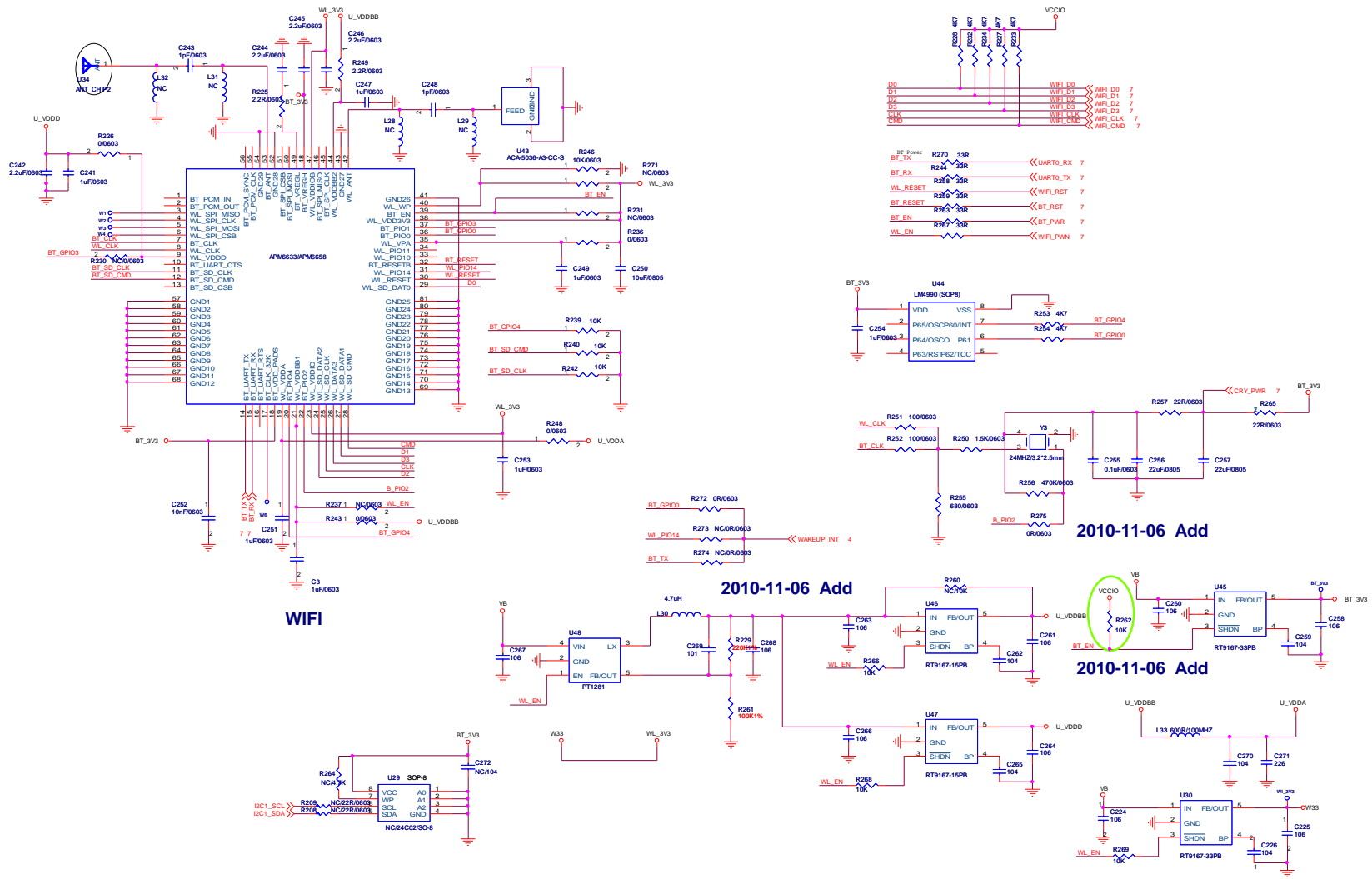
HEADPHONEC

SPERKER

H: Mute.  
Mute circuit

<b>Rockchip</b> 瑞芯微		福州瑞芯微电子有限公司	
<b>Title:</b>	RK2818 7.0 REF		
<b>File:</b>	AUDIO&KEY&RTC&SENSOR REV: 1.1		
<b>Created:</b>	Tuesday, June 08, 2010	<b>Page:</b>	6
<b>Modify:</b>	Monday, January 10, 2011	<b>Page Total:</b>	8





2010-11-06 Add

2010-11-06 Add

2010-11-06 Add

WIFI

apm6658 时使用

<b>Rockchip</b> 瑞芯微电子		福州瑞芯微电子股份有限公司	
Title: RK2818_7_0_REF			
File: WIFI		REV:	
Create Date: Tuesday, June 22, 2010	Page Num: 8		
Modify Date: Monday, December 20, 2010	Page Total: 8		