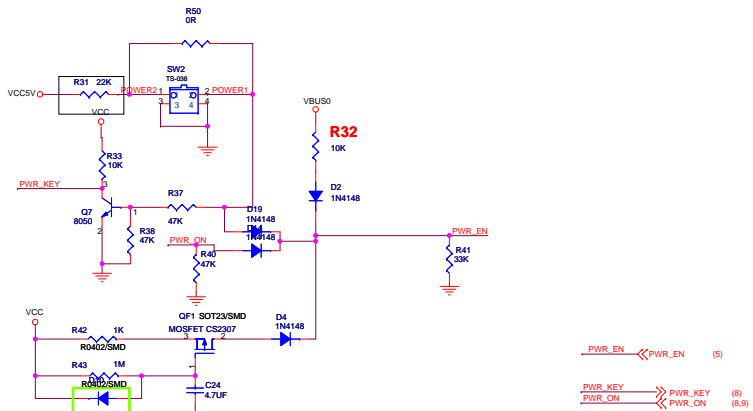
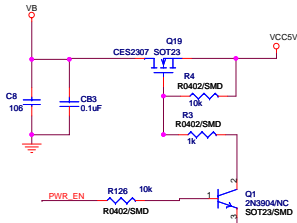
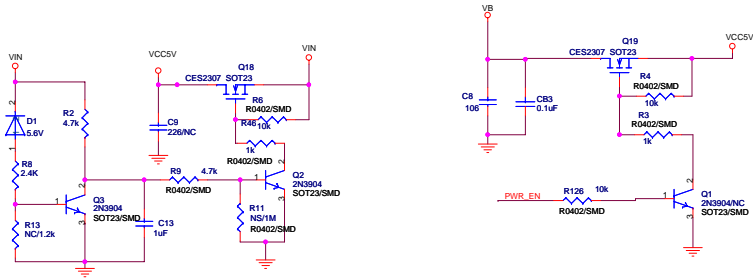
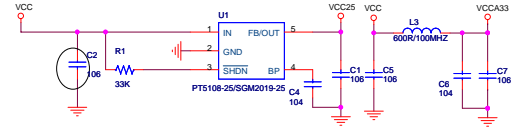


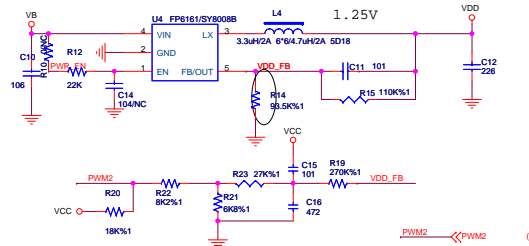
SYSTEM POWER



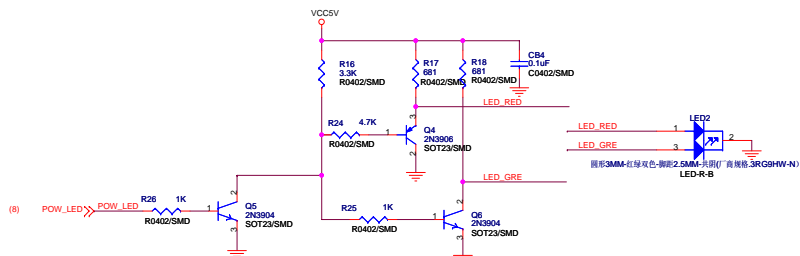
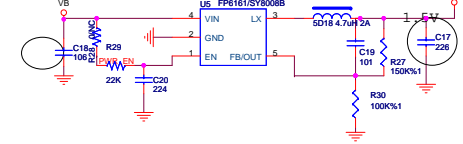
PWR\_EN <-> PWR\_EN (5)  
 PWR\_KEY <-> PWR\_KEY (6)  
 PWR\_ON <-> PWR\_ON (6,9)



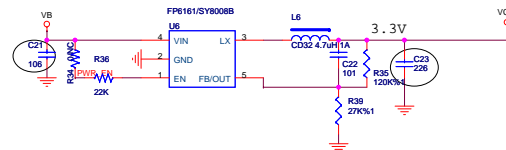
Note: Please use a 1.5A or above power supply IC.



NOTE: Please use a 1A or above power supply IC.



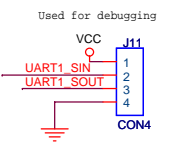
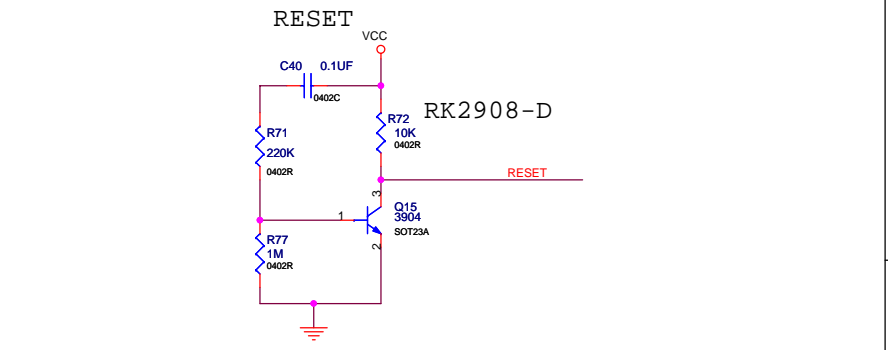
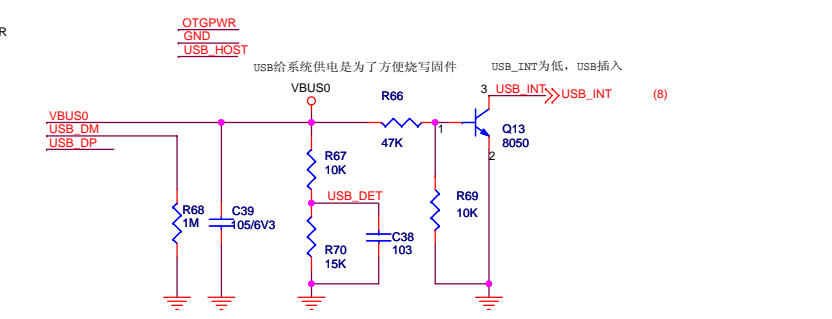
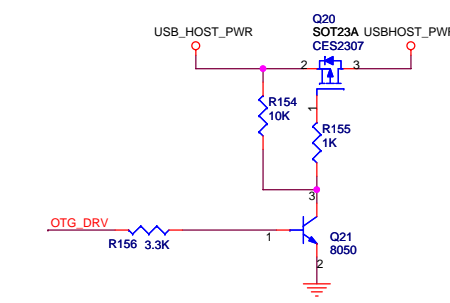
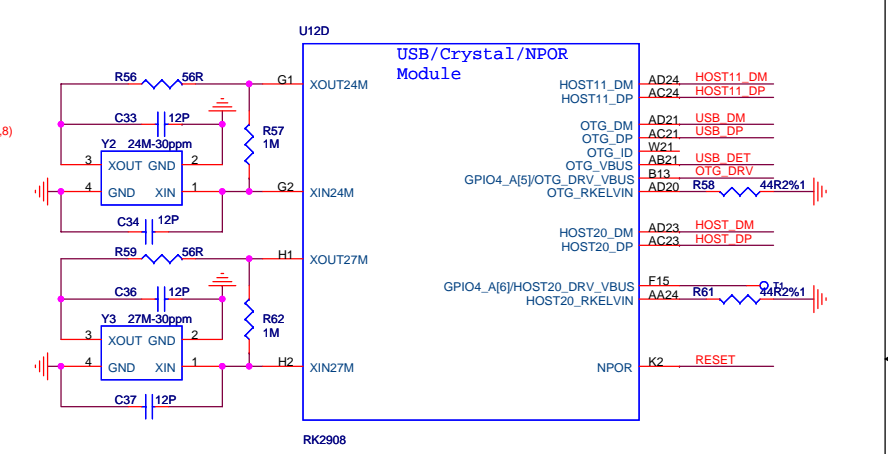
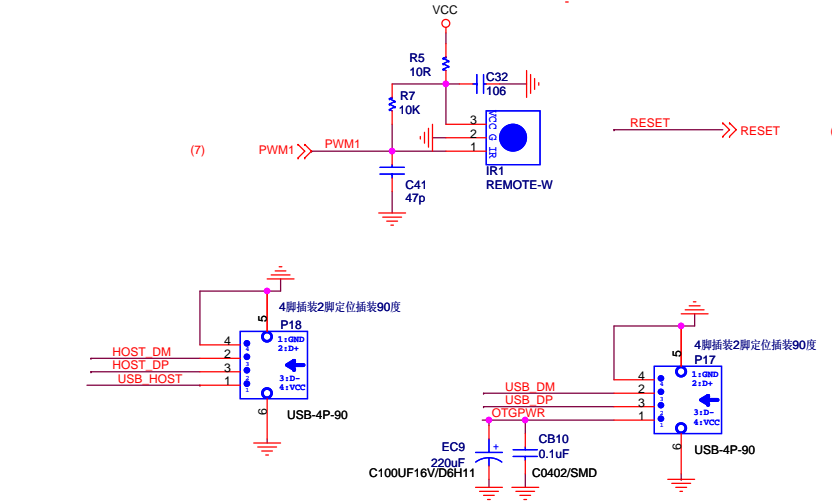
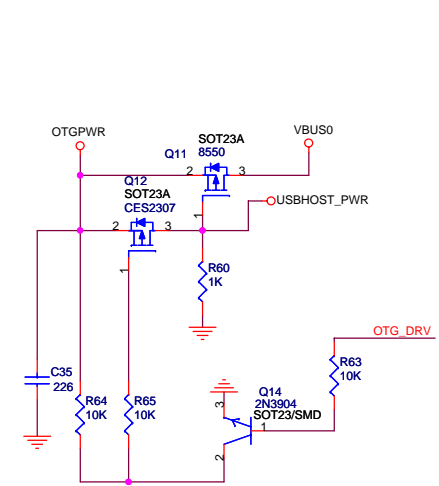
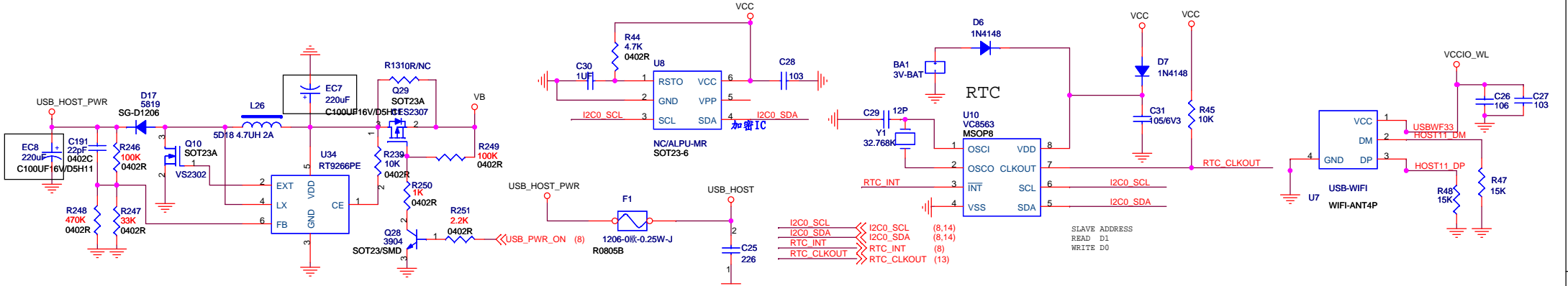
LED\_RED <-> LED\_RED  
 LED\_GRE <-> LED\_GRE  
 PWR\_LED <-> PWR\_LED (8)  
 POW\_LED <-> POW\_LED (8)



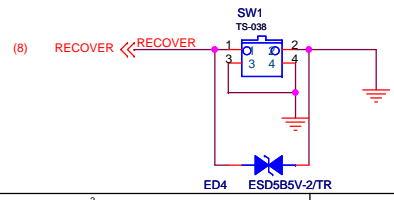
- MK1
- MK2
- MK4
- MK3

*E-BOM Confidential*

<b>EBODA</b>		Add:Unit 1005, Block east, Phase II, Tian'an High-tech Plaza,Chengdeganke, Futian District, Shenzhen, China Tel: 0086 755 62507136 Fax: 0086 755 62507108	
File	Document Number	G-BOX	7.780.952
Size	EB2908-801	Drawn	Rev
		Check	V0.1
Date:	Tuesday, December 11, 2012	Sheet	4 of 12



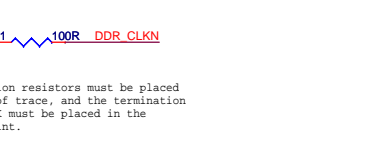
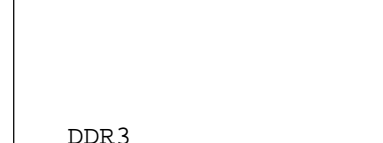
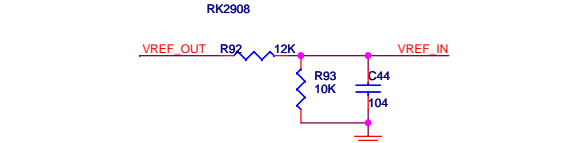
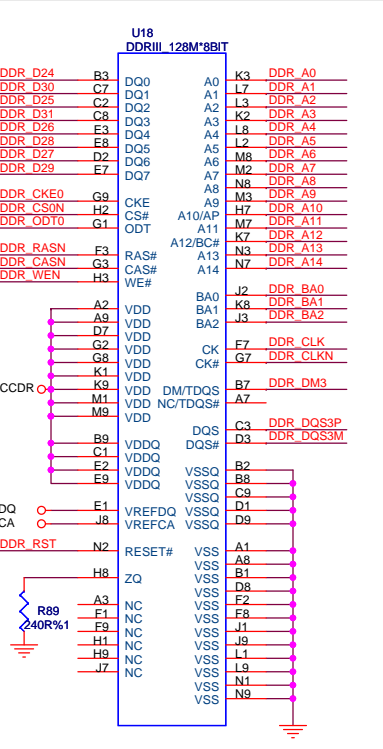
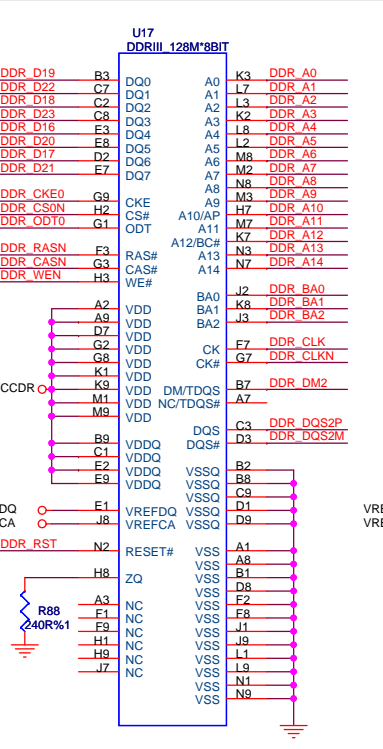
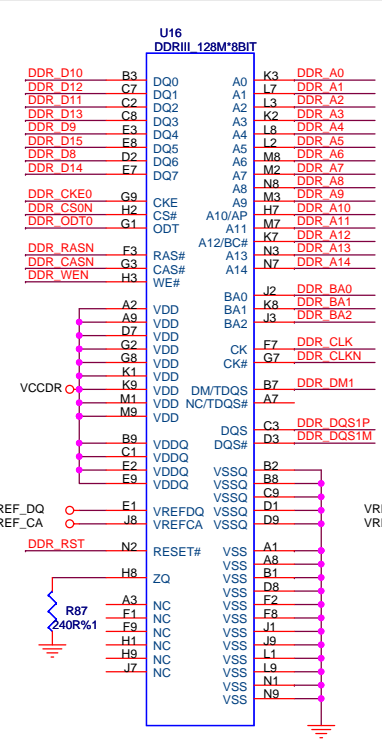
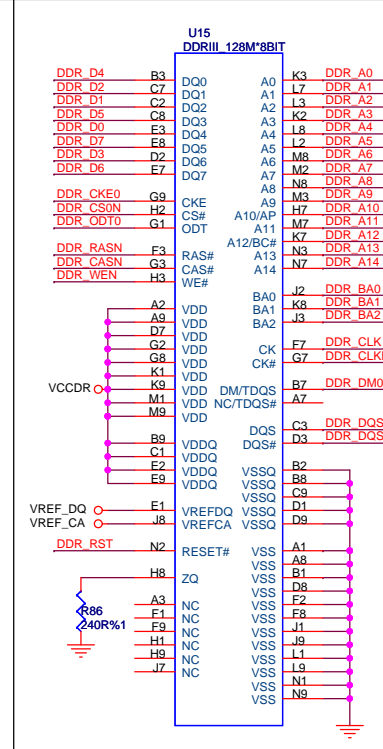
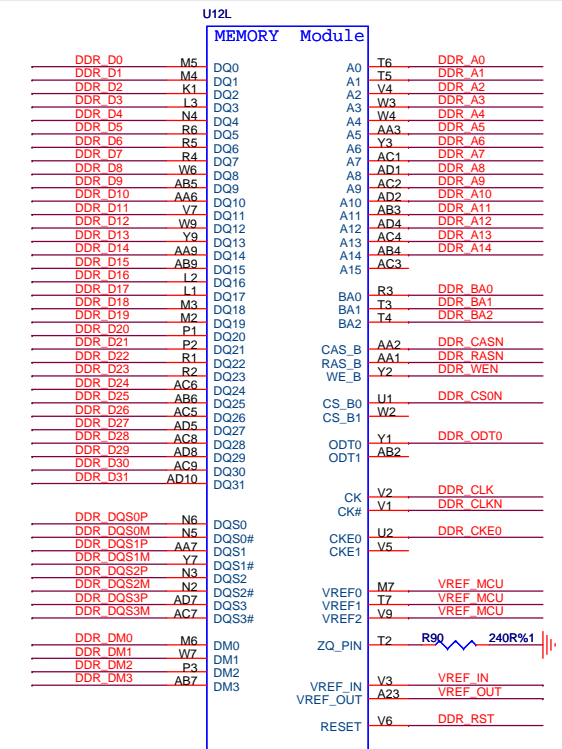
RESET



**E-BODA Confidential**

**EBODA** Add: Unit 1005, Block east, Phase II, Tian'an High-tech Plaza, Chegongmiao, Futian District, Shenzhen, China  
Tel: 0086 755 82507136 Fax: 0086 755 82507106

Title		G-BOX		7.780.952	
Document Number		Drawn		Rev	
Size A3		Check		V0.1	
Date: Thursday, July 19, 2012		Sheet 5 of 12			



Note:  
These termination resistors must be placed in the middle of trace, and the termination resistor of CLK must be placed in the bifurcation point.

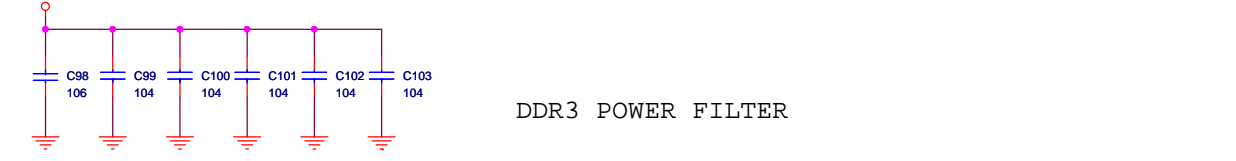
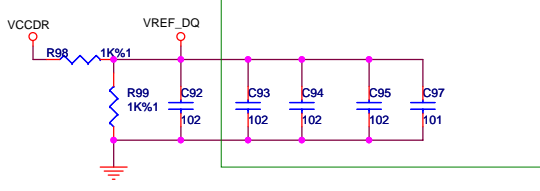
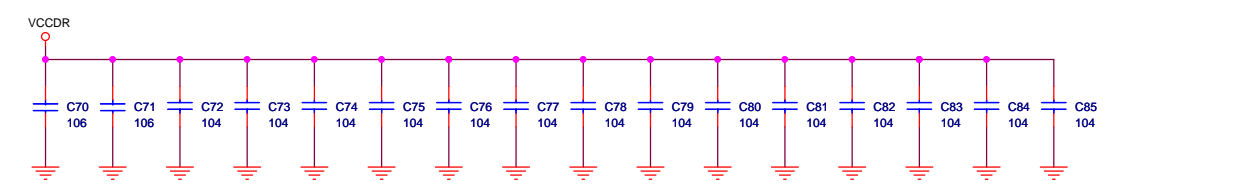
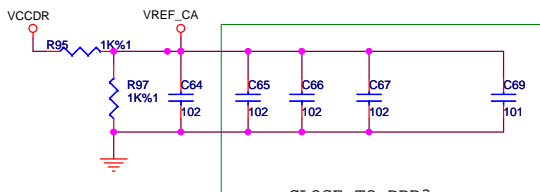
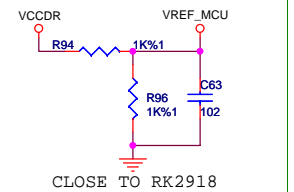
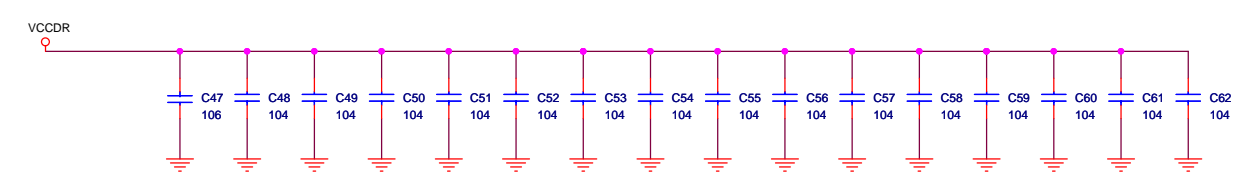
RK2908-L

DDR3

DDR3

DDR3

DDR3

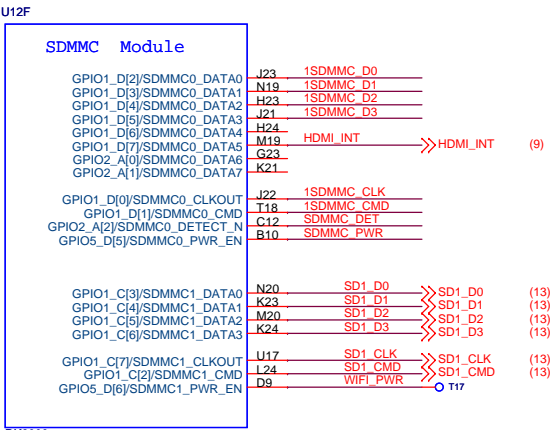


*E-BODA Confidential*

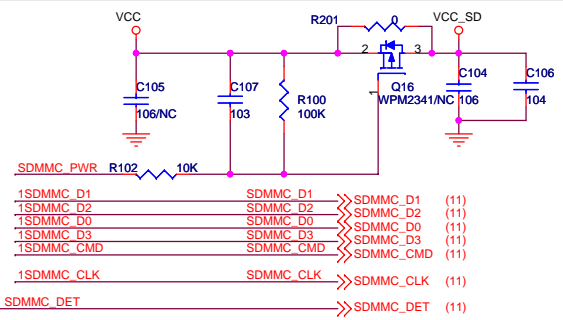
**E-BODA**

Add: Unit 1005, Block east, Phase II, Tian'an High-tech Plaza, Chegongmiao, Futian District, Shenzhen, China  
Tel: 0086 755 82507136 Fax: 0086 755 82507106

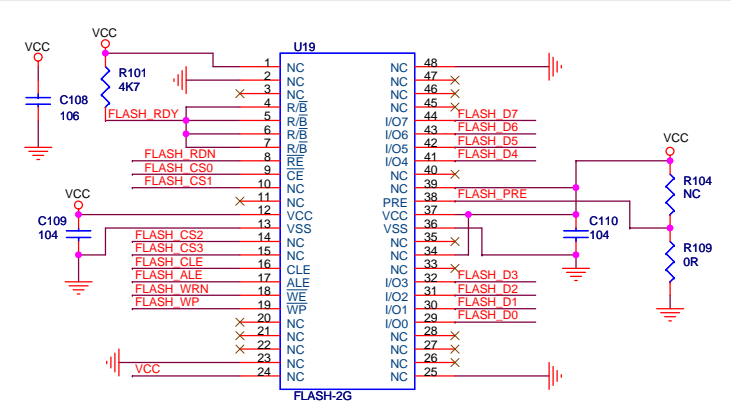
Title	Document Number	G-BOX	7.780.952
Size	A3	EB2908-801	Rev V0.1
Date:	Thursday, July 12, 2012	Sheet	6 of 12



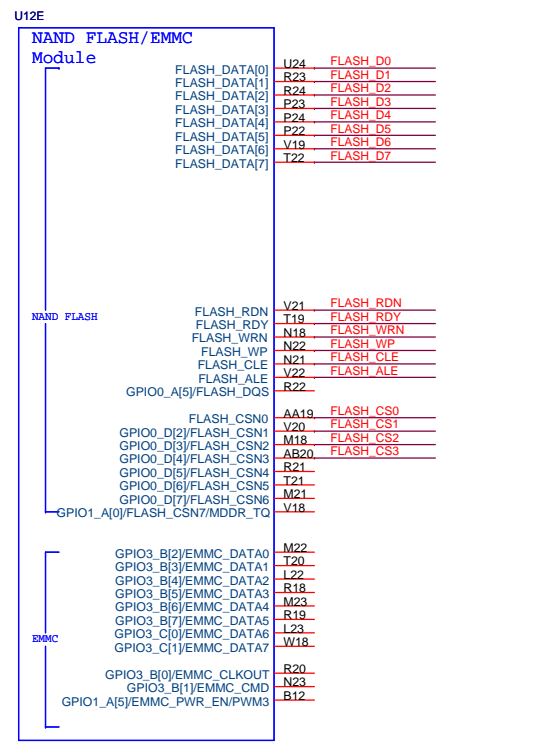
RK2908-F



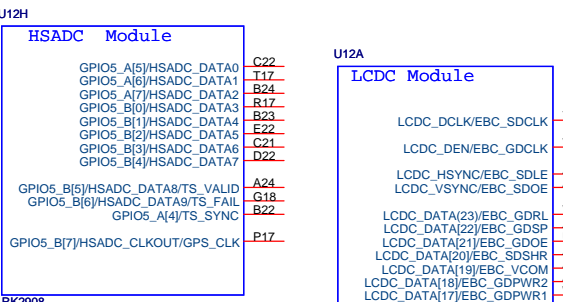
SD CARD



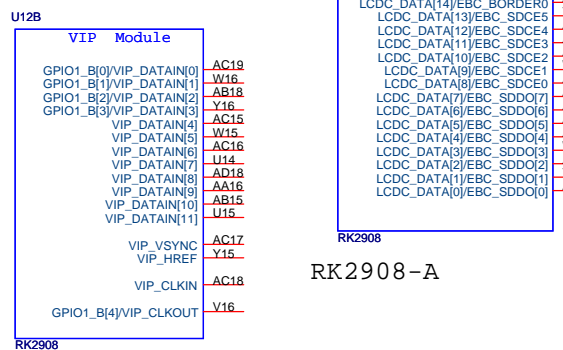
NAND FLASH



RK2908-E

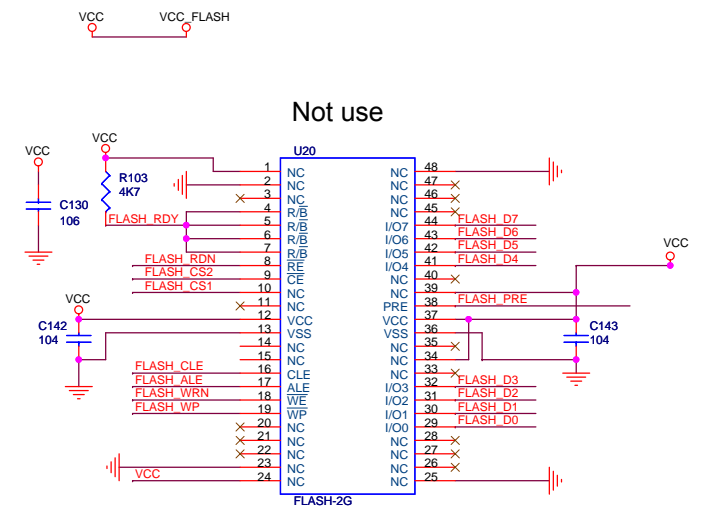


RK2908



RK2908-A

RK2908-B

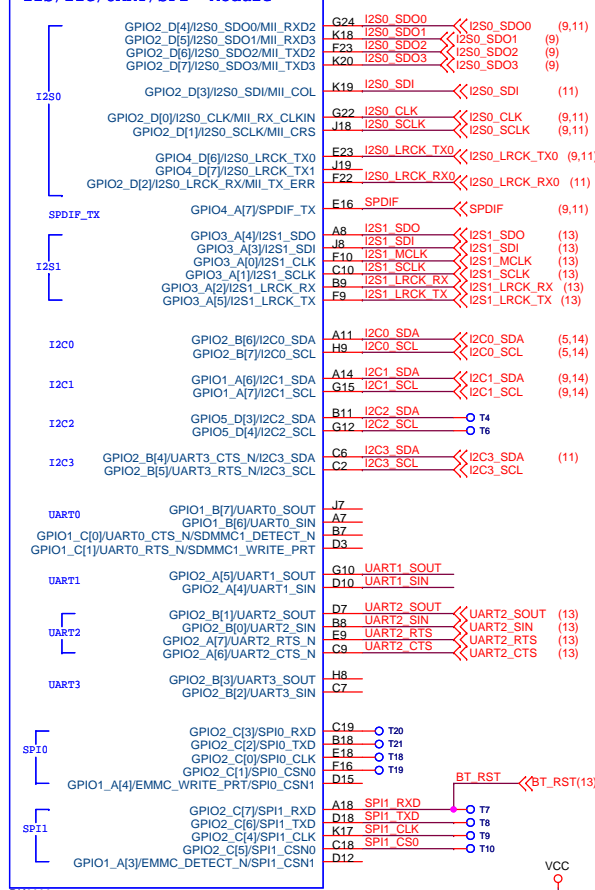


RK2908-B

*E-BODA Confidential*

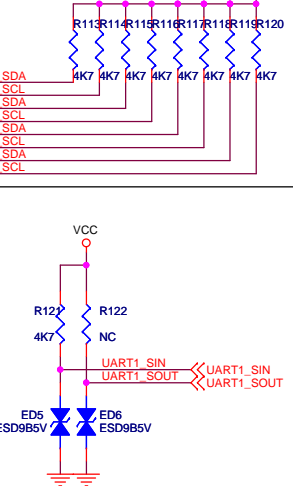
<b>EBODA</b>		Add:Unit 1005, Block east, Phase II, Tian'an High-tech Plaza, Cheongngmiao, Futian District, Shenzhen, China	
		Tel: 0086 755 82507136 Fax: 0086 755 82507106	
Title	Document Number	G-BOX	7.780.952
Size	EB2908-801	Drawn	
Date:	Thursday, July 12, 2012	Check	
		Sheet	7 of 12
		Rev	V0.1

**U12I I2S/I2C/UART/SPI Module**

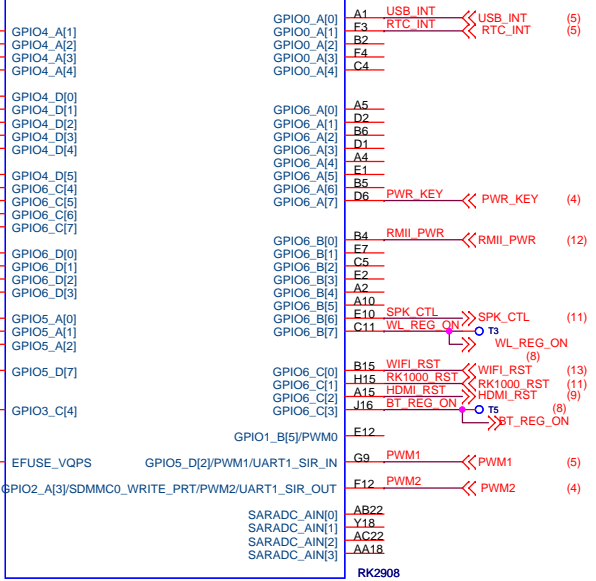


RK2908-I

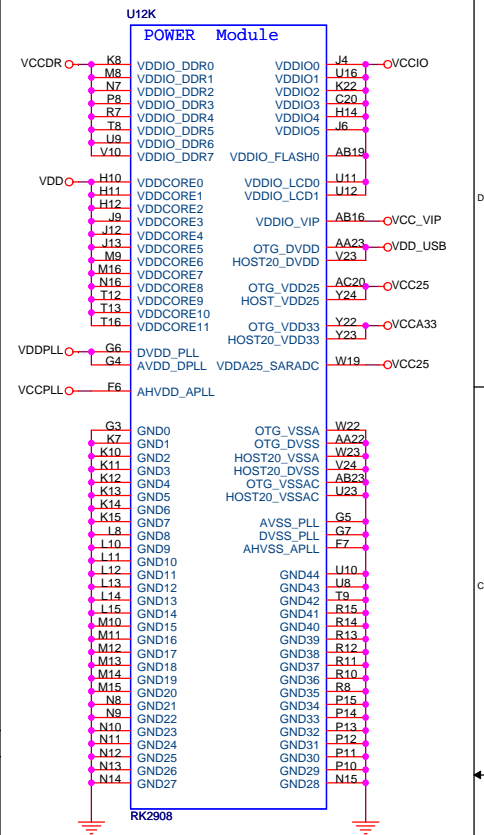
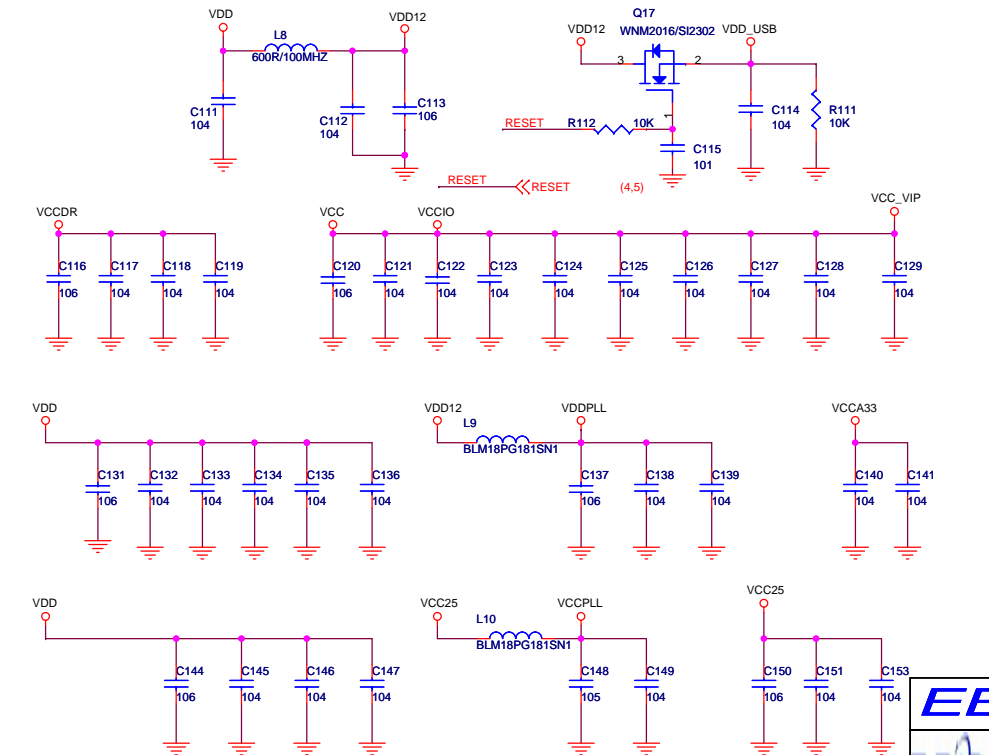
RK2908-H

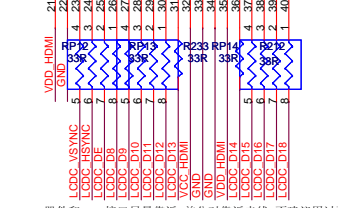
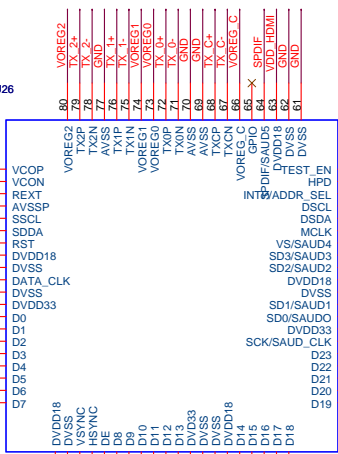
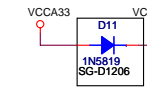
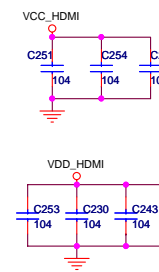
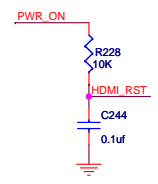
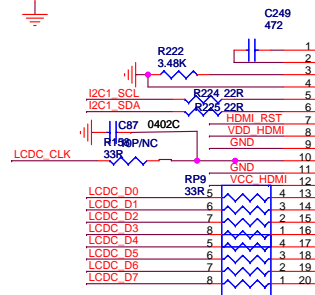
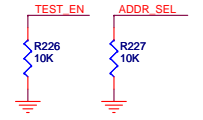
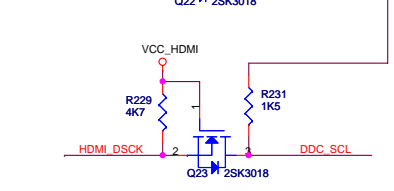
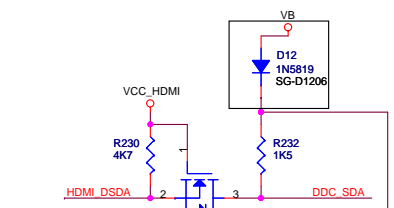
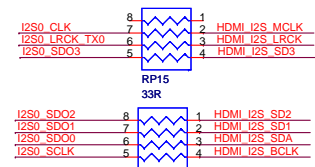
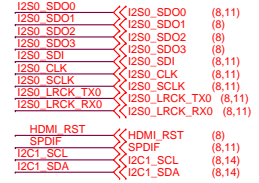
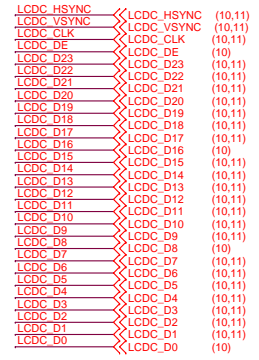


**U12J GPIO/PWM/ADC Module**

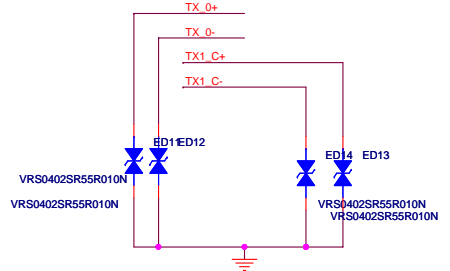
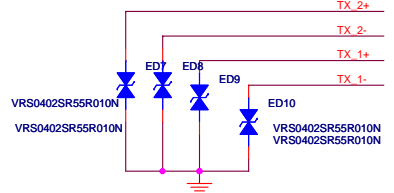
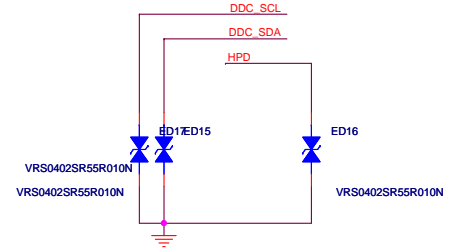
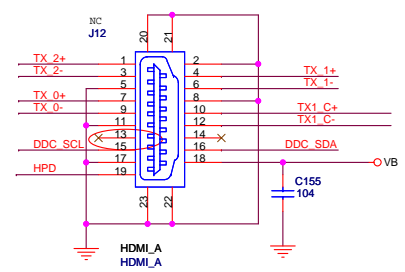
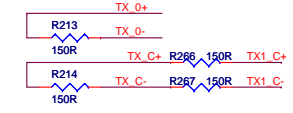
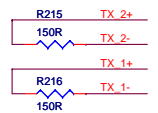
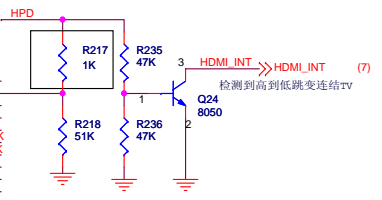
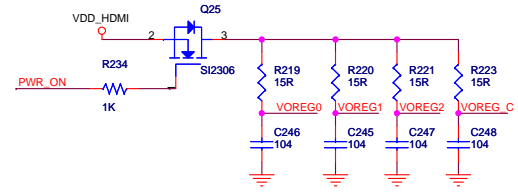


RK2908-J





HDMI器件和HDMI接口尽量靠近,差分对靠近走线,不建议用过孔,差分阻抗100Ω;  
HDMI是高速器件,Layout时请注意:  
注意控制好电源纹波,滤波电容靠近相应管脚;  
LCD\_CLK频率高达148MHz以上,Layout时注意屏蔽,与其它走线隔离;  
ESD器件靠HDMI插座,等效电容不能大于5pF;

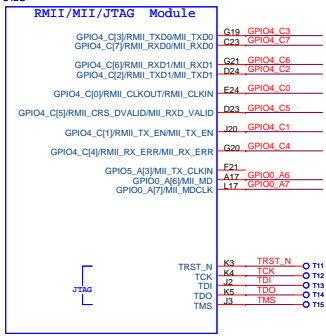


*E-BODA Confidential*

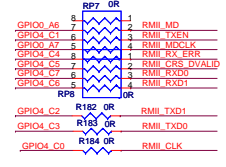
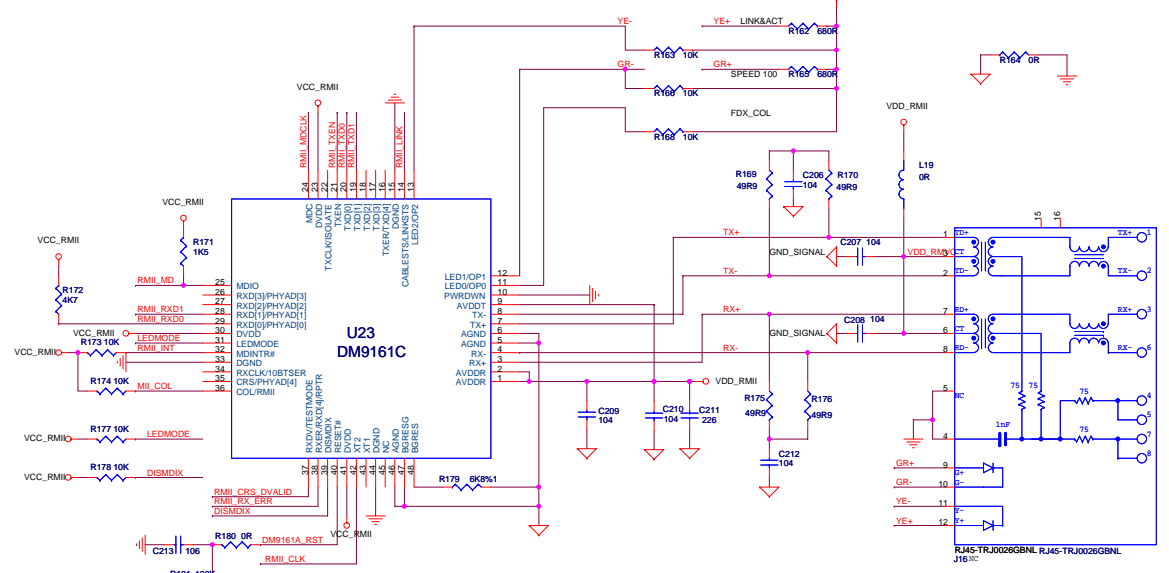
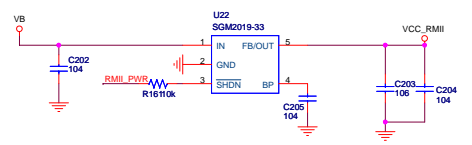
<b>E-BODA</b>		Title		G-BOX	7.780.952
		Document Number		Drawn	
Size		Custom		Check	
Date		Tuesday, December 11, 2012		Sheet	9 of 12

Rev V0.1





RK2908  
RK2908-G



**Pin Maps of MII and RMII**

MI	RMII
TXD0[0:1]	TXD0[0:1]
TXD2[0:1]	NC
TXEN	TXEN
TXERR/TXD4I	NC
TXCLK	NC
RXD0[0:1]	RXD0[0:1]
RXD2[0:1]	NC
R2E/RXD4I/RPTRNODE	RPTR/NODE
RXDV	CRS DV

LAN8720A POWER

*E-BODA Confidential*

**EBODA** Add: Unit 1005, Block east, Phase II, Tian'an High-tech Plaza, Chegongmiao, Fuzhou District, Shenzhen, China  
Tel: 0086 755 82507136 Fax: 0086 755 82507106

Title	Document Number	G-BOX	7.780.952
Size	Custom <b>EB2908-801</b>	Drawn	Rev
Date:	Thursday, July 12, 2012	Check	V0.1
		Sheet	11 of 12



6

5

4

3

2

1

D

D

C

C

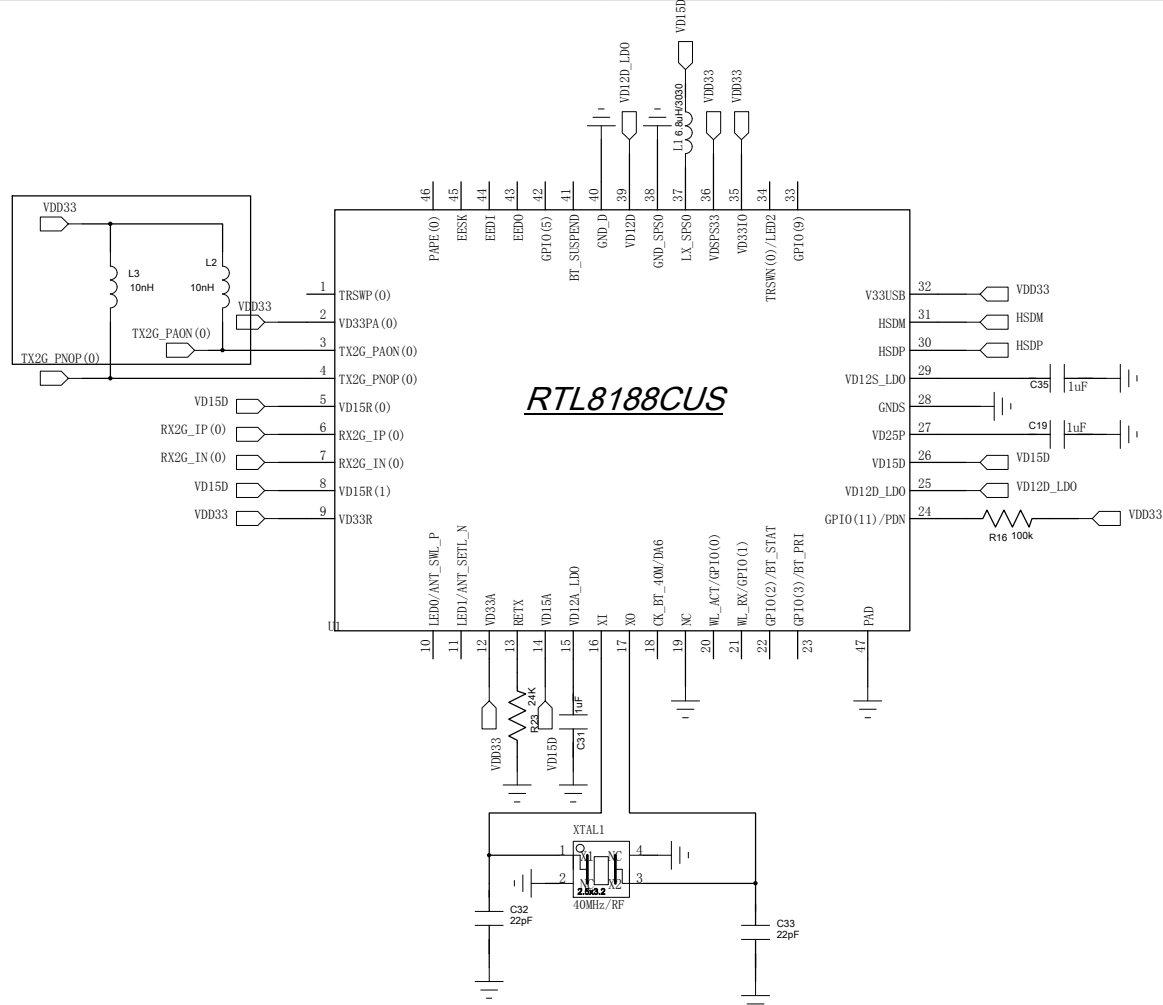
B

B

A

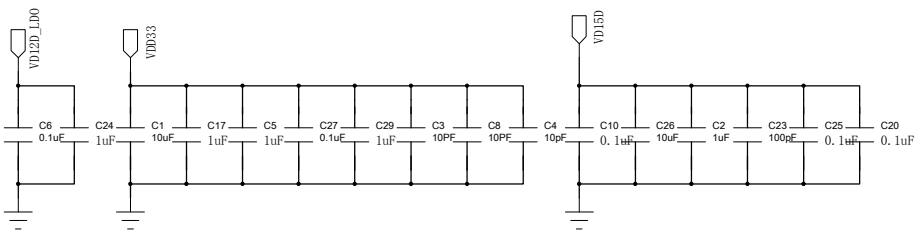
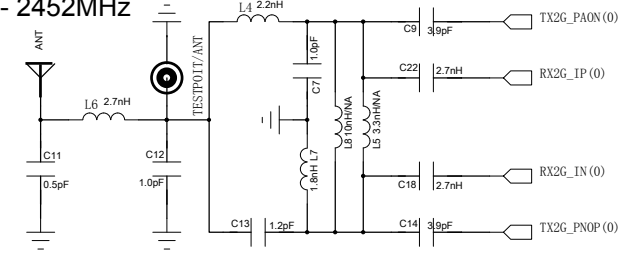
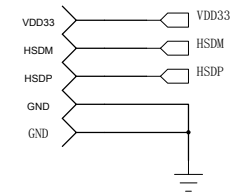
A

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:



802.11b,g,n(HT20)  
2412MHz - 2462MHz

802.11n(HT40)  
2422MHz - 2452MHz



WiFi Module

DRAWN:	DATED:
Lavender	2011.3.18
CHECKED:	DATED:
QUALITY CONTROL:	DATED:
RELEASED:	DATED:

COMPANY:				RL-LINK			
TITLE:				RL-UM02BS-8188CUSB			
CODE:	SIZE:	DRAWING NO:		REV:			
	B	R&D 2011-3-18-01		1.0			
SCALE:				SHEET: 1 OF 1			



THESE SPECIFICATION ARE THE PROPERTY OF GENESIS SCIENCE TECHNOLOGY LIMITED ,AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.

Model No.:  
GT-WACL05000200-302  
P/N:2013-00015

5. SCH (原理图)

