

6

5

4

3

2

1

D

D

C

C

B

B

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A

Contents:

01 Contents

02 Power

03 STM32

04 GSM

05 GPS and G-Force and BT

06 VCM I/F

Note: If no indicate, the capacitor grade is X5R

Title		iCar v01.sch	
Sheet Name		01_NOTES	Sheet 1 of 6
Date	2012/3/5	Sheet Size	A3 Revision 00
Compony	Your company	Author	Your name

6

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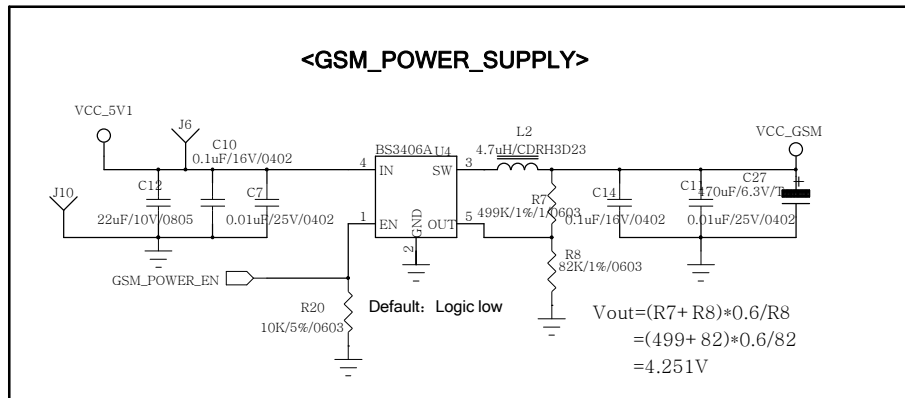
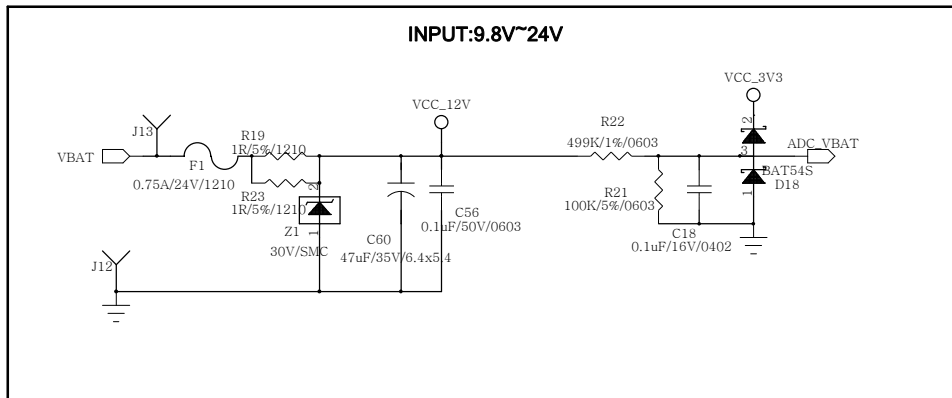
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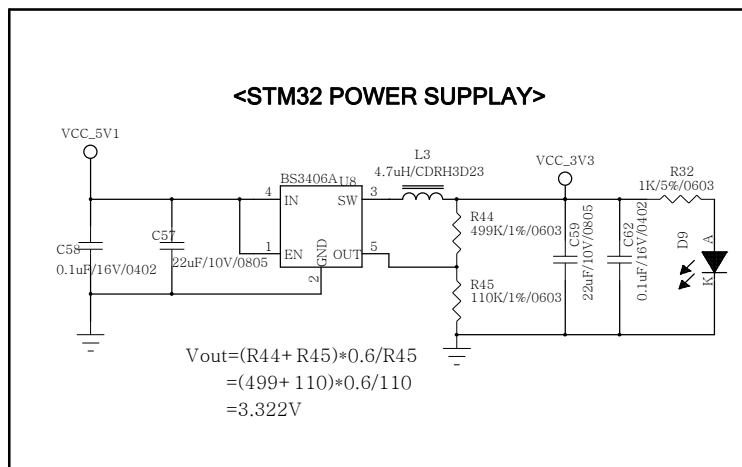
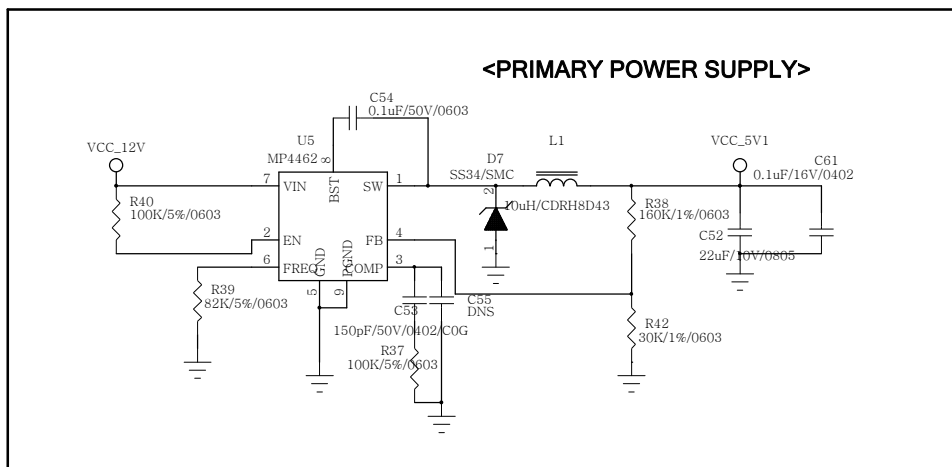
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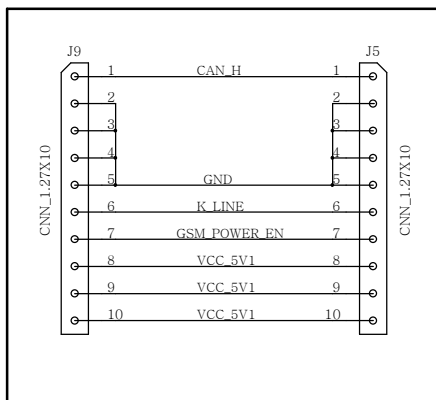
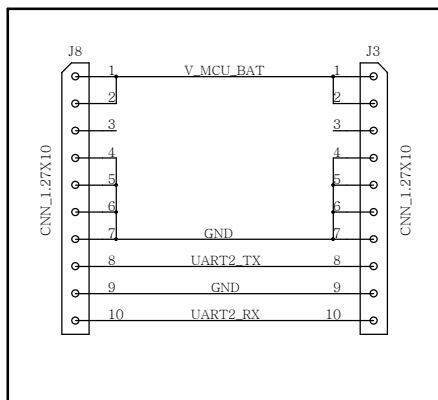
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Title iCar v01.sch			
Sheet Name 02_POWER		Sheet 2 of 6	
Date 2012/3/5	Sheet Size A3	Revision 00	
Compony Your company	Author	Your name	

6

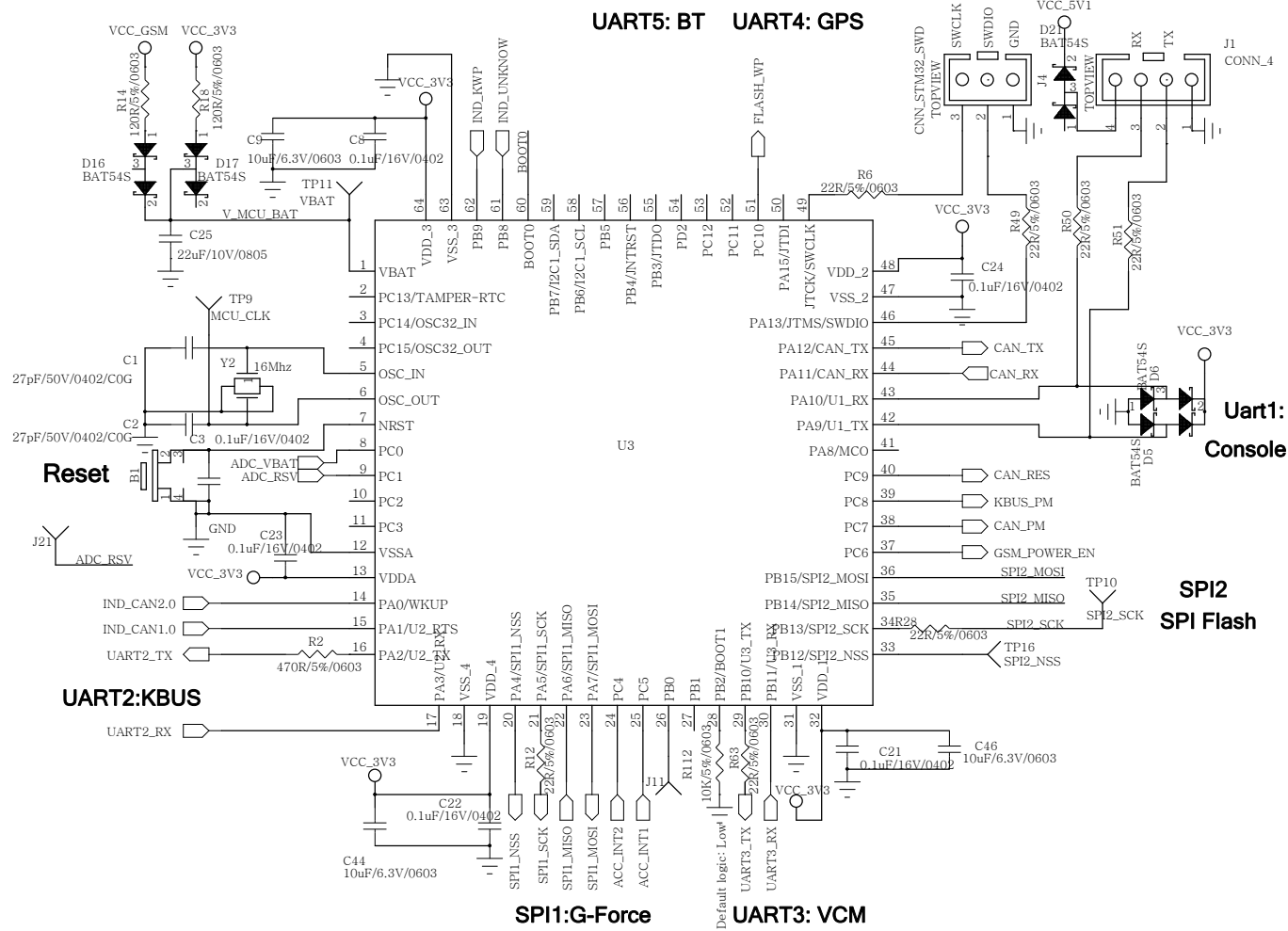
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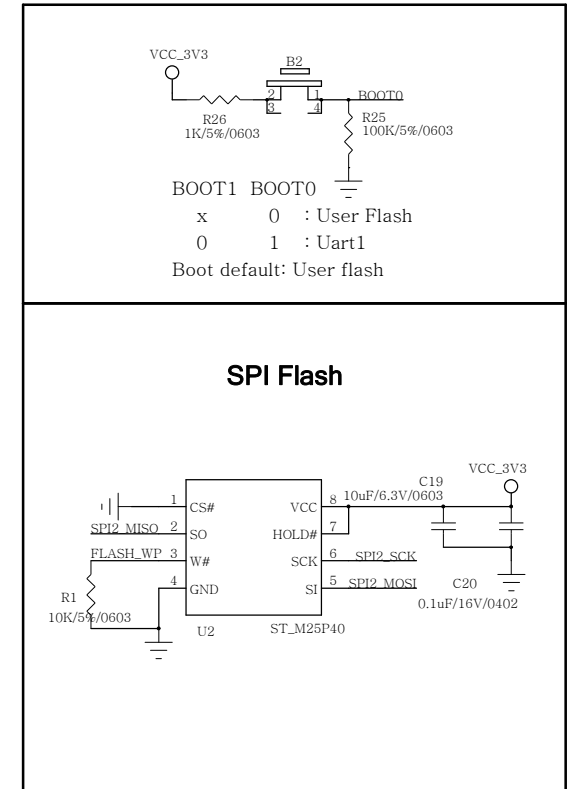
3

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VDD: $5 \times 100 \text{ nF} + 1 \times 4.7 \text{ }\mu\text{F}$
the $4.7 \text{ }\mu\text{F}$ capacitor must be connected to VDD3.
VDDA: Check datasheet Power supply scheme



Title iCar v01.sch			
Sheet Name 03_STM32		Sheet 3 of 6	
Date 2012/3/5	Sheet Size A3	Revision 00	
Compony Your company	Author	Your name	

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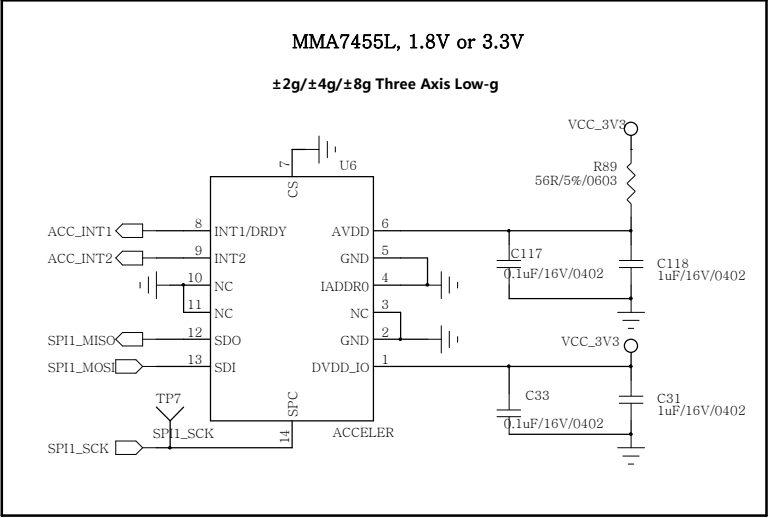
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Title		iCar v01.sch	
Sheet Name		04_G-FORCE	Sheet 4 of 6
Date	2012/3/5	Sheet Size	A3 Revision 00
Compony		Your company	Author Your name

6

5

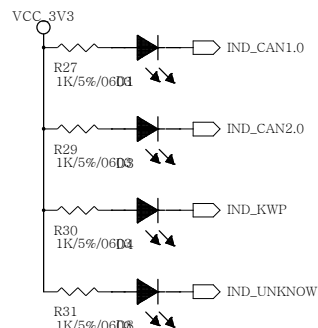
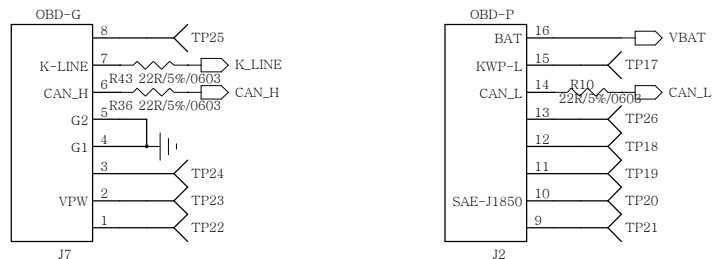
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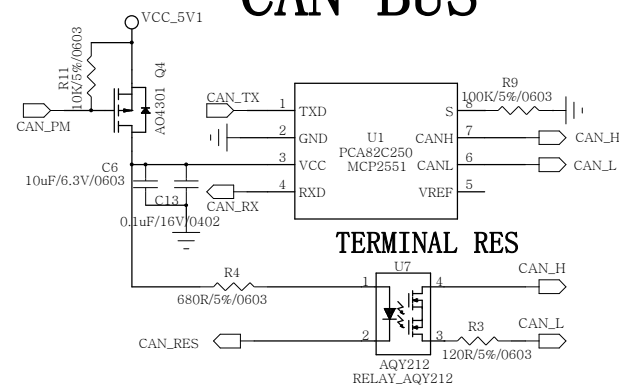
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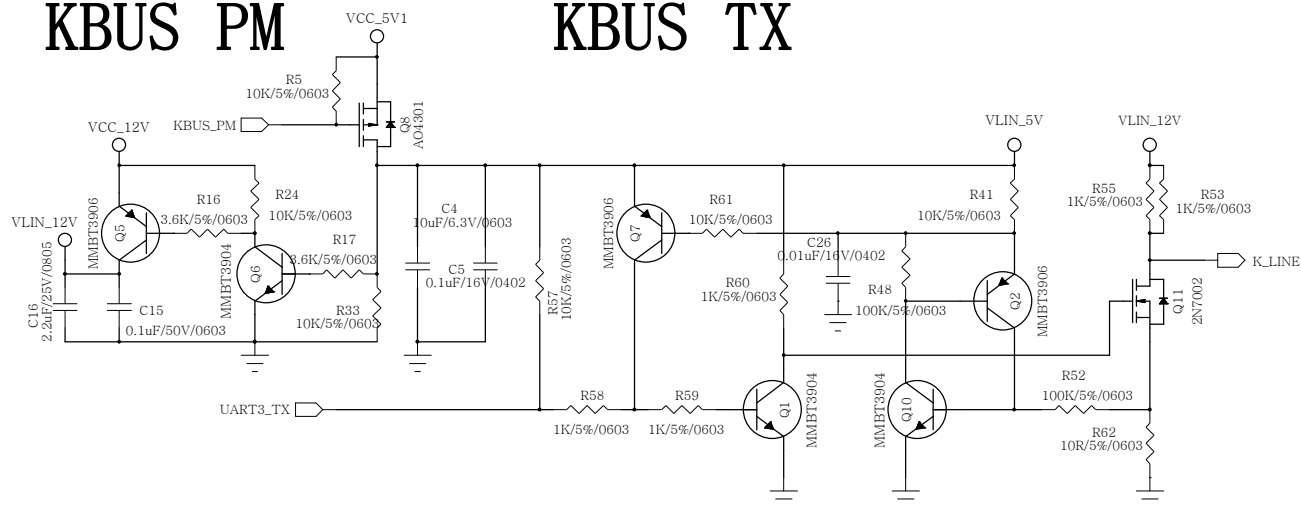
OBD-II



CAN-BUS

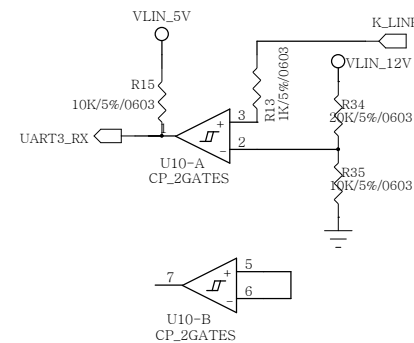


KBUS PM



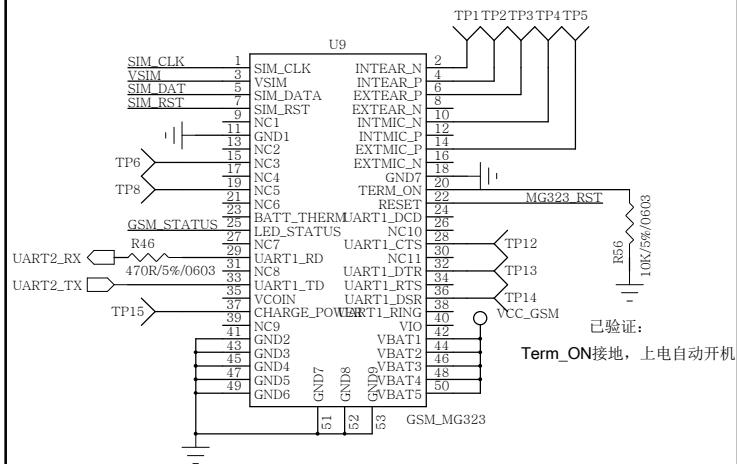
KBUS TX

KBUS RCV

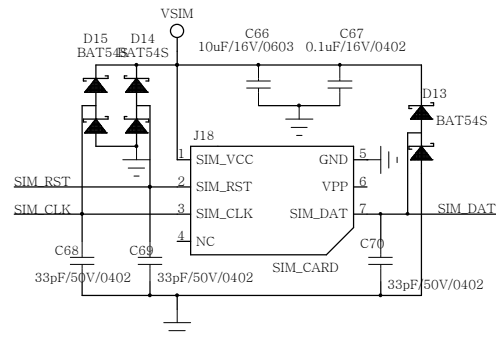


Title iCar v01.sch			
Sheet Name 05_OBD_I/F		Sheet 5 of 6	
Date 2012/3/5	Sheet Size A3	Revision 00	
Compony Your company	Author	Your name	

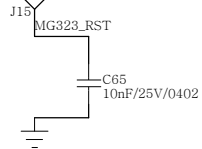
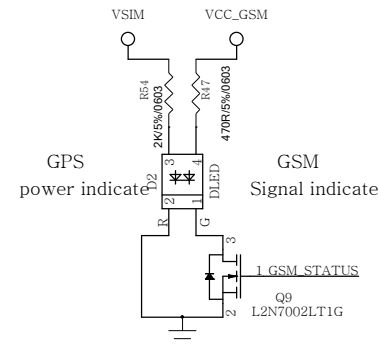
Huawei MG323



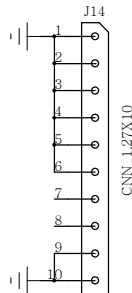
SIM Card I/F



Indicate LED



Note: place C64, C65 close to MG323



LED_STATUS

搜网状态或无网络时（含无SIM卡或未解PIN 码时）：周期1s，高电平输出0.1s
已注册上2G 网络：周期3s，高电平输出0.1s
搜网状态或无网络时（含无SIM卡或未解PIN 码时）：周期1s，高电平输出0.1s

PS:此模块标注的RD/TD均是对MCU的，因此名称一样的连接即可

PCB Layout:

1. RESET、TERM_ON信号比较敏感，走线尽量短，距离板边至少2.54MM的距离，并且包地处理。
2. 为避免信号畸变，SIM卡应放置在靠近MG323的地方，并且SIM_CLK和SIM_DATA信号线包地处理。
3. 尽量缩短 VBAT的走线

Title iCar v01.sch			
Sheet Name 06_GSM		Sheet 6 of 6	
Date 2012/3/5	Sheet Size A3	Revision 00	
Compony Your company	Author	Your name	