

# Xiaomi Redmi 6 Pro Schematic Diagram



Xiaomi  
Smartphone

*Diagram*



*Schematic*







NOTE:  
Reserve GPIO87 for NPC\_SPI\_KIR\_IRQ



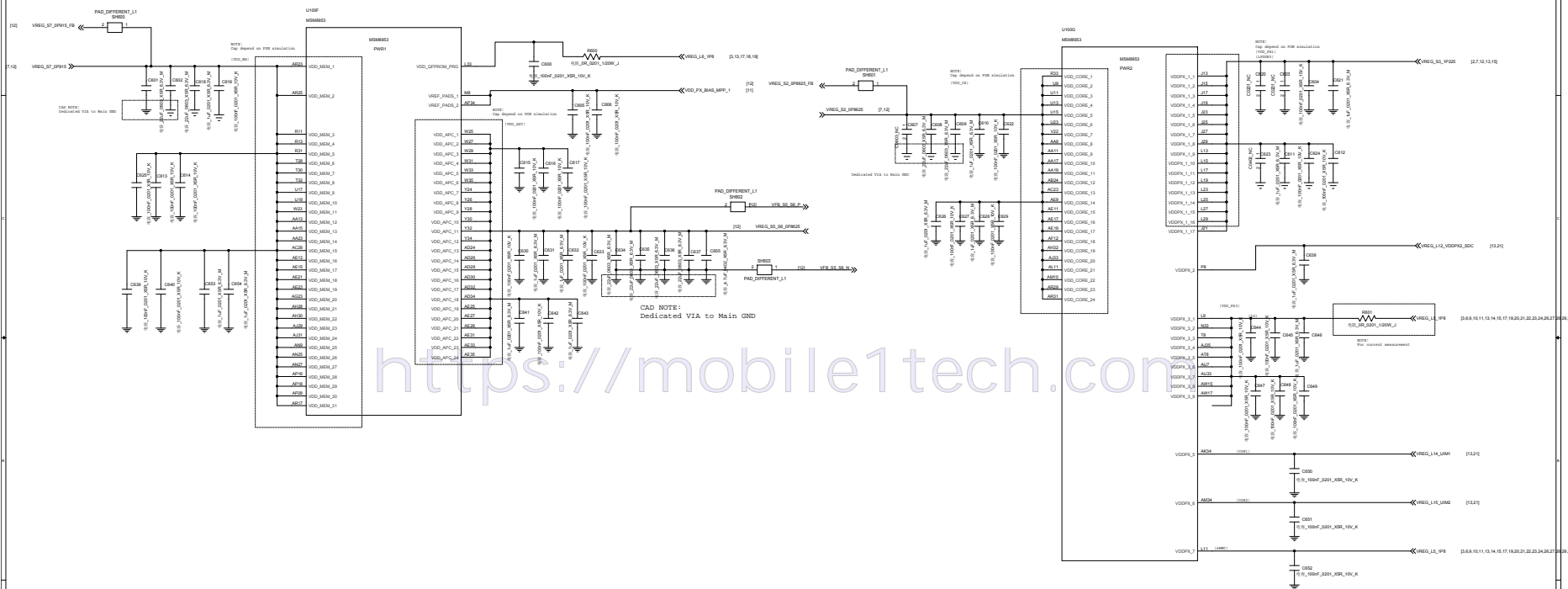
ROOT_STACK[0][1]	ROOT_STACK[0]
0000	ROOT1 -> ROOT2 -> YOUNG_0
0001	ROOT2 -> ROOT3 -> YOUNG_0
0010	ROOT3 -> YOUNG_0
0011	YOUNG_0

Default Boot Config (0000) is 0001(0000)

File: 07_M0_V1			
Doc ID	Document Number <Doc> MSM8953 GPIO	Rev V1.0	
Date	Wednesday, February 24, 2010	Page	3 of 34

File			
C7_M0_V1			
Area	Document Number	Rev	
D	MSM8953 MIP1	V1.0	
Date: Wednesday, February 23, 2011 10:41 AM Page 4 of 34			

File			
E7_M8_V1			
Page	Document Number	Rev	
D	<Doc> MSM8953 RF	V1.0	
Date: Wednesday, February 21, 2013 10:08 AM Page 5 of 34			

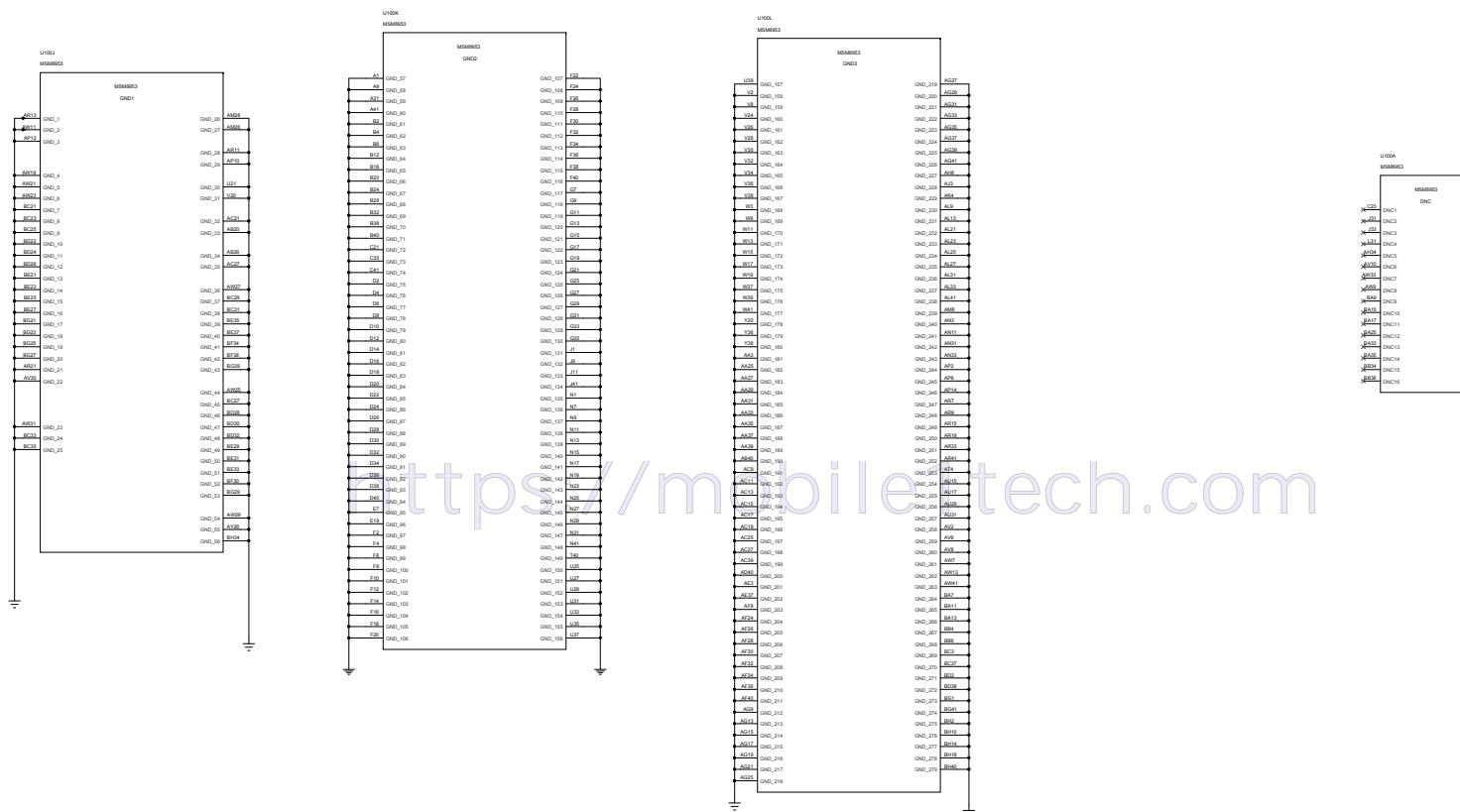


Mobile1Tech.com

1	07_08_01
2	07_08_01
3	07_08_01
4	07_08_01
5	07_08_01
6	07_08_01
7	07_08_01
8	07_08_01
9	07_08_01
10	07_08_01
11	07_08_01
12	07_08_01
13	07_08_01
14	07_08_01
15	07_08_01
16	07_08_01
17	07_08_01
18	07_08_01
19	07_08_01
20	07_08_01
21	07_08_01
22	07_08_01
23	07_08_01
24	07_08_01
25	07_08_01
26	07_08_01
27	07_08_01
28	07_08_01
29	07_08_01
30	07_08_01
31	07_08_01
32	07_08_01
33	07_08_01
34	07_08_01
35	07_08_01
36	07_08_01
37	07_08_01
38	07_08_01
39	07_08_01
40	07_08_01
41	07_08_01
42	07_08_01
43	07_08_01
44	07_08_01
45	07_08_01
46	07_08_01
47	07_08_01
48	07_08_01
49	07_08_01
50	07_08_01
51	07_08_01
52	07_08_01
53	07_08_01
54	07_08_01
55	07_08_01
56	07_08_01
57	07_08_01
58	07_08_01
59	07_08_01
60	07_08_01
61	07_08_01
62	07_08_01
63	07_08_01
64	07_08_01
65	07_08_01
66	07_08_01
67	07_08_01
68	07_08_01
69	07_08_01
70	07_08_01
71	07_08_01
72	07_08_01
73	07_08_01
74	07_08_01
75	07_08_01
76	07_08_01
77	07_08_01
78	07_08_01
79	07_08_01
80	07_08_01
81	07_08_01
82	07_08_01
83	07_08_01
84	07_08_01
85	07_08_01
86	07_08_01
87	07_08_01
88	07_08_01
89	07_08_01
90	07_08_01
91	07_08_01
92	07_08_01
93	07_08_01
94	07_08_01
95	07_08_01
96	07_08_01
97	07_08_01
98	07_08_01
99	07_08_01
100	07_08_01







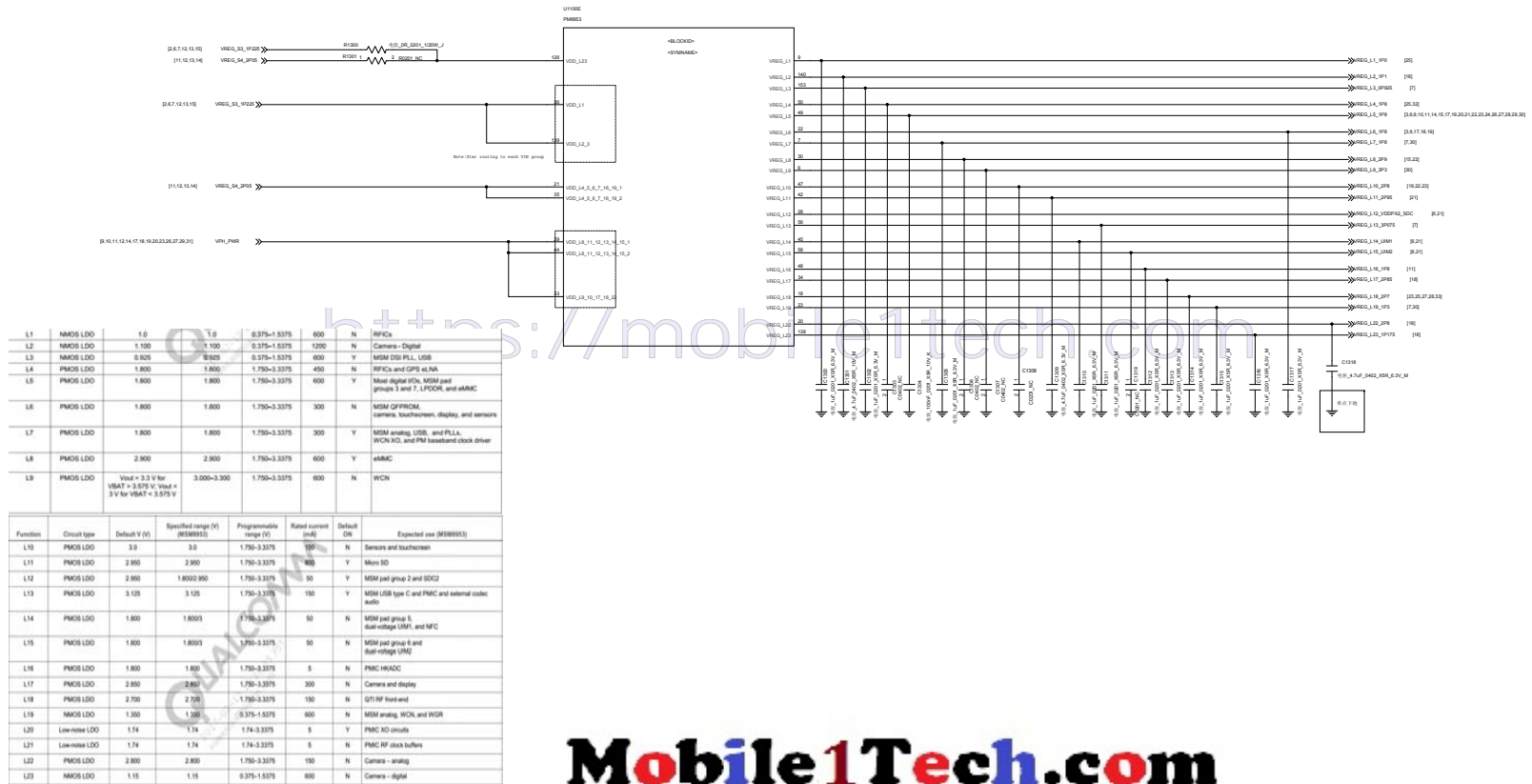
**Mobile1Tech.com**





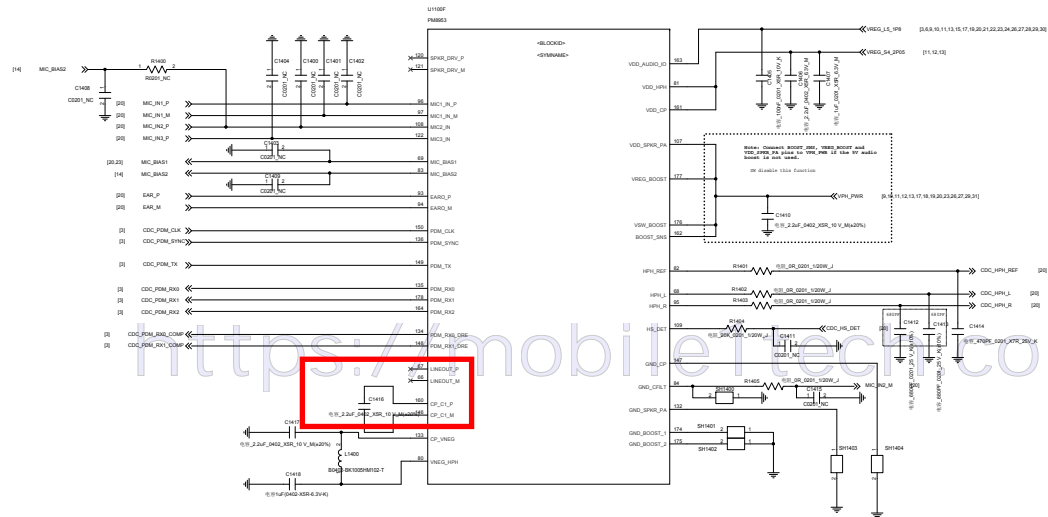


[illegible]



Mobile1Tech.com

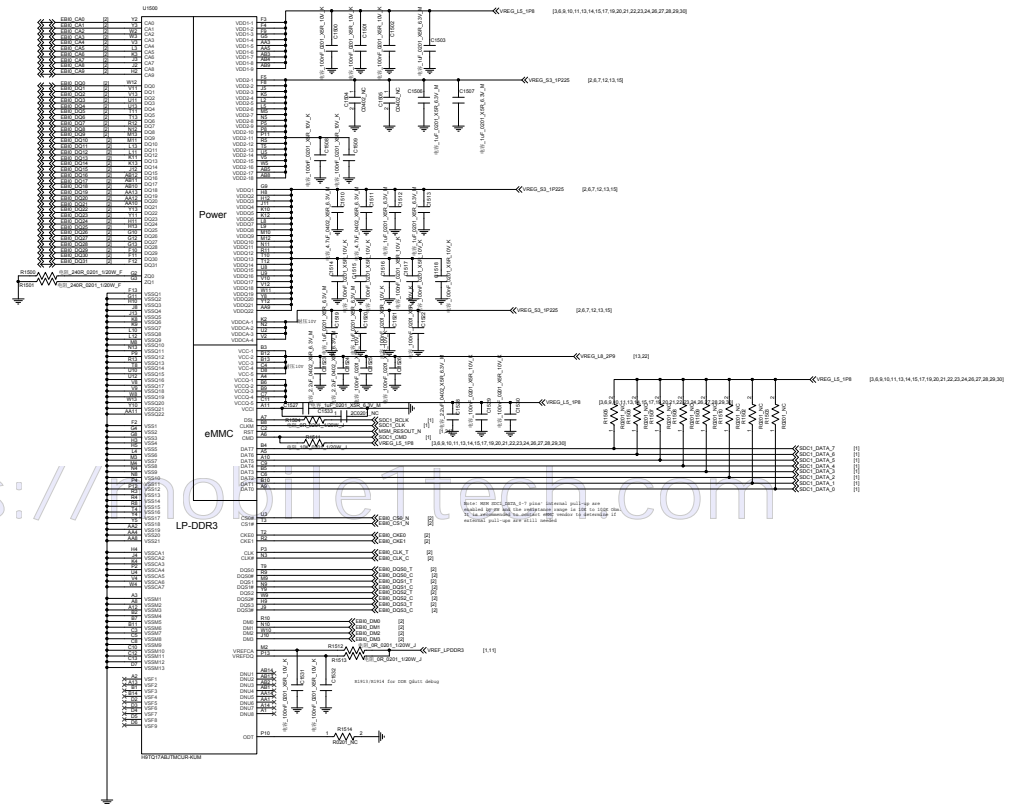
Rev	01	Rev	01
Date	2018/01/10	Date	2018/01/10
Author	Wang, J.	Author	Wang, J.



Mobile1Tech.com

<https://mobile1tech.com>

Mobile1Tech.com

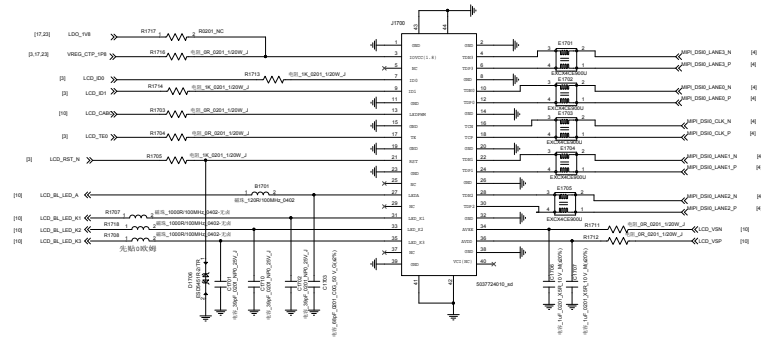




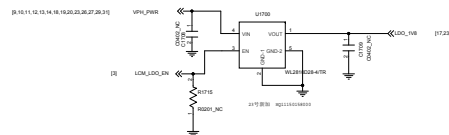
**Mobile1Tech.com**

E7_M8_V1					
Doc ID	Document Number WCD9326 CODEC				Rev V1.0
Date	Wednesday February 28, 2018	Time	10	of	54

厂家	SD
一供关系	SD6=3, SD5=3
二供问题	SD6=3, SD5=1

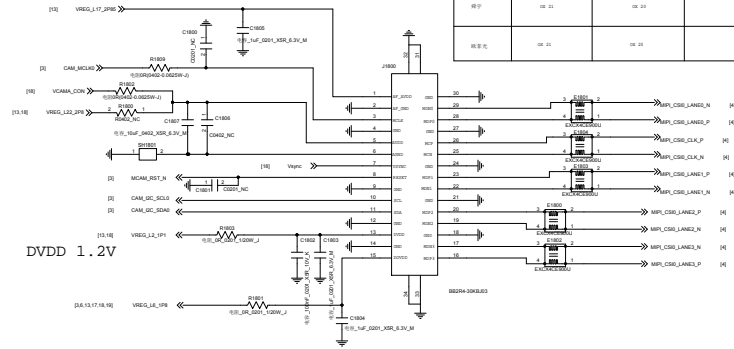


NC 预留 1.8V



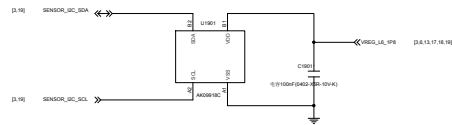
## Main MONO Camera 12M

厂号	LOT# 8840	LOT# 8870	SI
型号	OK 21	OK 21	
颜色	OK 21	OK 21	



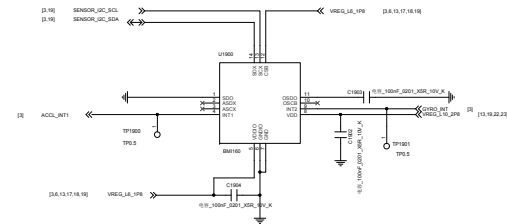
# E-compass

7'h	0x000000
80h:21	0ch



# Gyro+A sensor

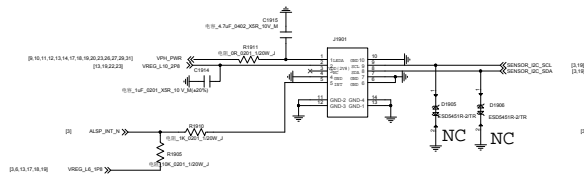
7'h	0x000000
80h:21	0x68



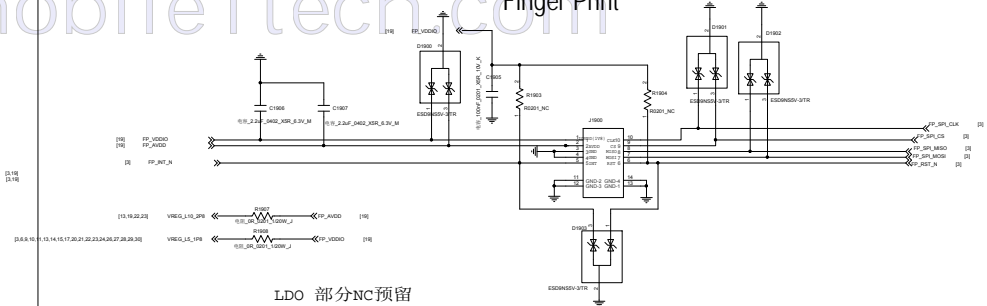
使用BTB方式

# ALS PS

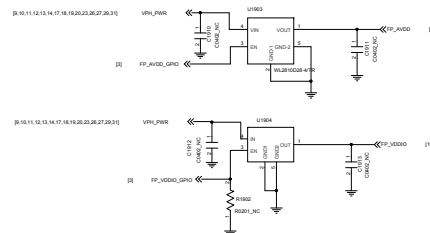
12h:18:02:04	0x53h
--------------	-------



# Finger Print



# LDO 部分NC预留



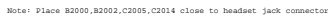
8h	0x000000
80h:21	0x000000

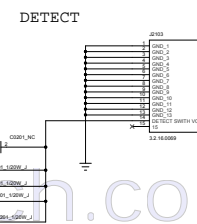
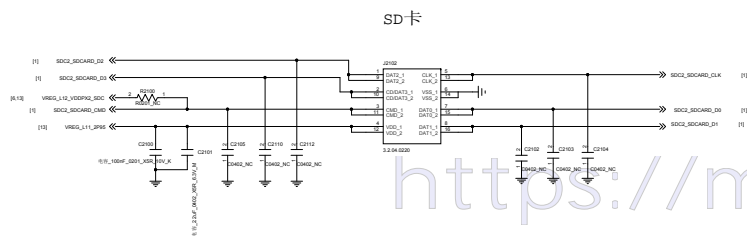
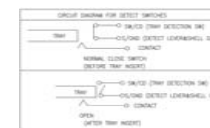
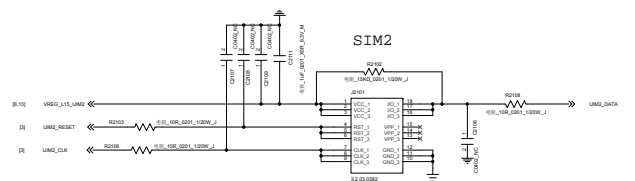
[9,10,11,12,13,14,17,18,19,20,23,26,27,29,31]



Figure 10. Schematic diagram of the proposed control system for the MFC system. The diagram shows two parallel control loops. The top loop is for the inlet pressure (MFC\_IN1\_P) and the bottom loop is for the inlet mass flow rate (MFC\_IN1\_M). Both loops use a PI controller (R2007 and R2008) to regulate the flow rate (Q) through a valve (QV402-0.0625W-J) to maintain the desired setpoint (MFC1\_P and MFC1\_M).

EARPHONE



[illegible]

**Mobile1Tech.com**

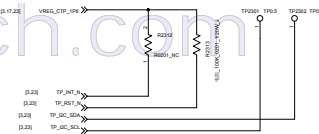
E7_MB_V1	
Document Number	40000000000000000000
SIMTF card	

[illegible]

Signal	Description
KPSNS0	Volume Up
PM_RST_N	Volume Down
KYPD_PWR_N	PWER ON

The schematic diagram illustrates the RTN network for the 600W power stage. It features a common-mode choke (C2200) connected to the RTN network. A diode (D2200) is connected to the positive rail. A network of resistors (R2200, R2201, R2202, R2203) and capacitors (C2201, C2202, C2203) is used to filter the RTN signal. The output of the RTN network is connected to the RTN pin of the 600W power stage.

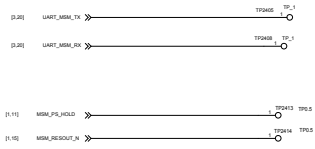
CZ_MQ_V1					
ID	Document Number MISC(Keypad(LED Indicator))				Rev V1.0
Date	Versioning	Location	P	VSI	

[illegible][illegible]

**Mobile1Tech.com**

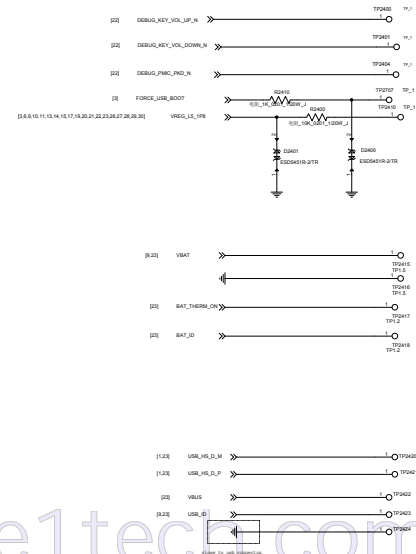
File			
ET_M0_V1			
Doc ID	Document Number	Rev	
	<Doc>	V1.0	
Date	Wednesday, February 18, 2004	Time	3:14:34





MARK POINT

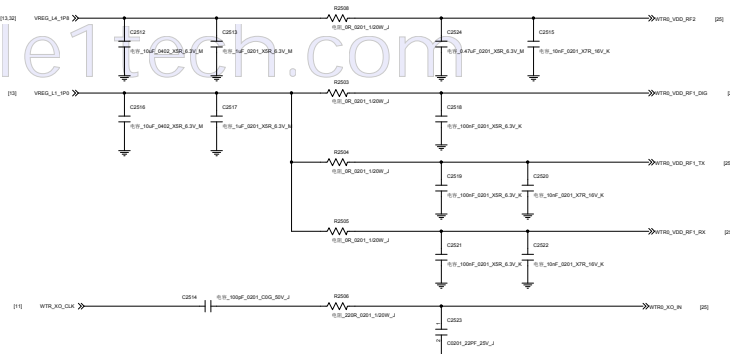
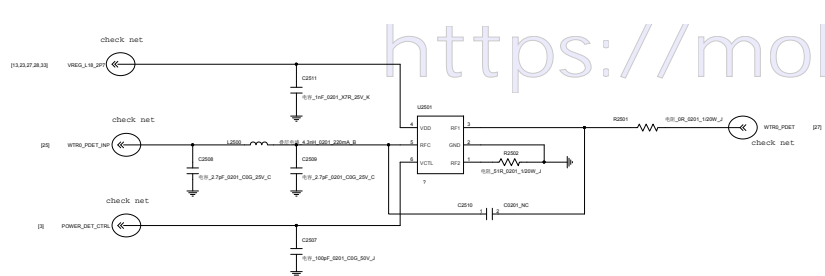
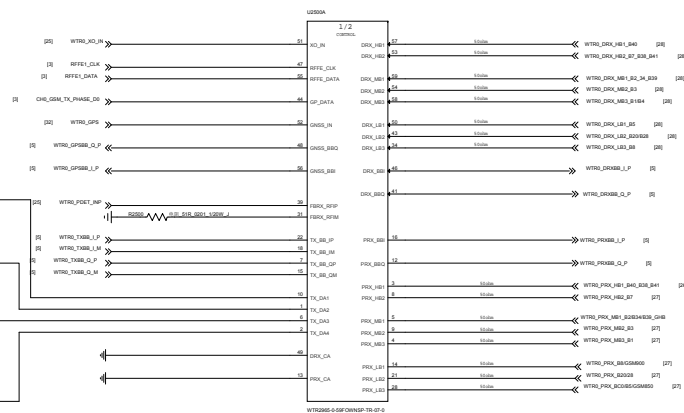
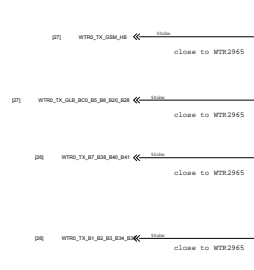
Grounding



PCBA AUTOMATIC TEST point

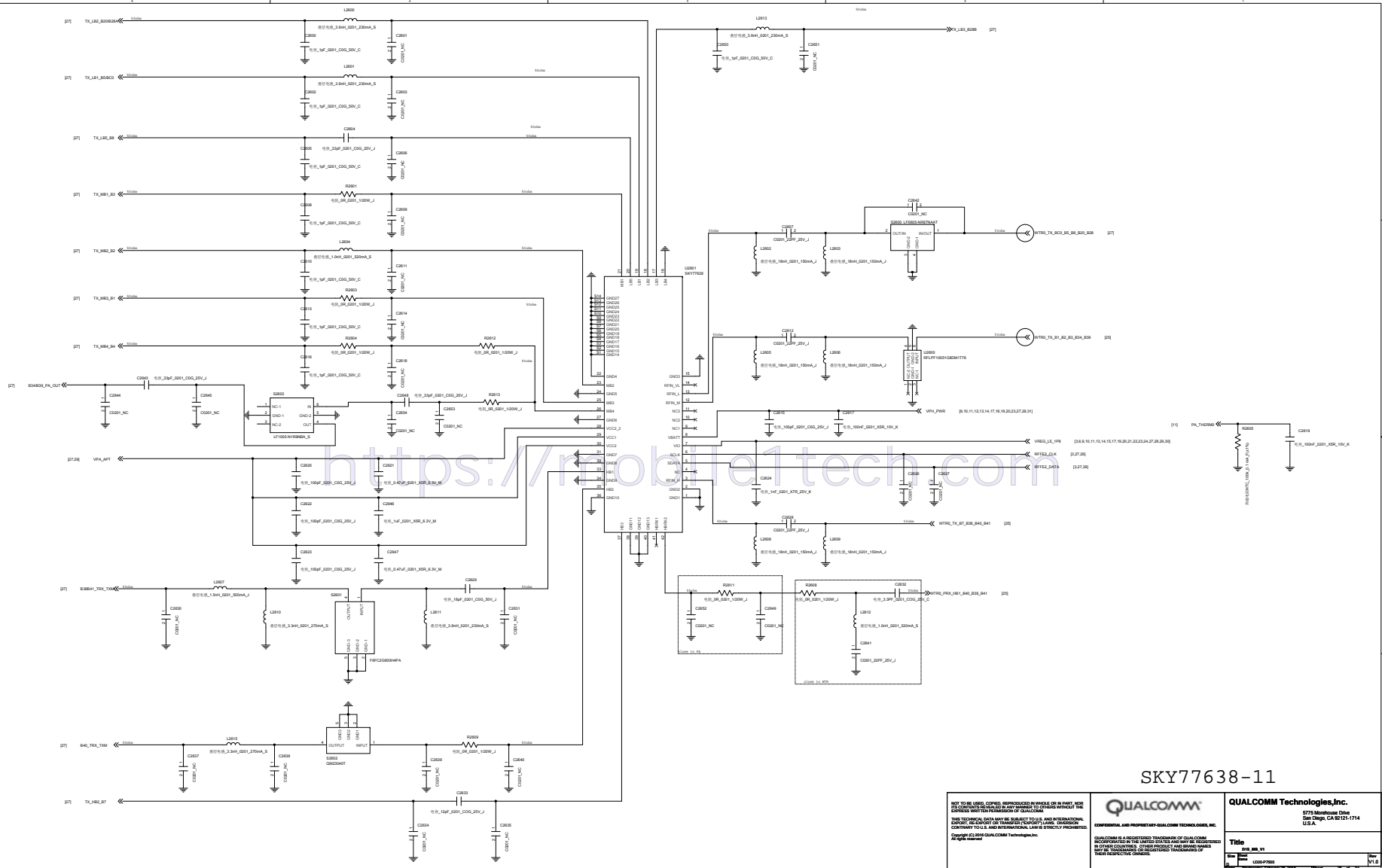
Shielding

Rev	E2_001_V01
Doc	TRC007Shielding
Doc	Shielding_Rev001_V01
Rev	1



**Mobile1Tech.com**

<p>NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, FOR ANY PURPOSES, WITHOUT THE WRITTEN PERMISSION OF QUALCOMM. ANY CONTENTS RELEASED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.</p>		<p><b>QUALCOMM Technologies, Inc.</b>          3775 LaJolla Village Drive          San Diego, CA 92121-1714          U.S.A.</p>				
<p>THIS TECHNICAL DATA MAY BE SUBJECT TO U.S. AND INTERNATIONAL PATENT, TRADE SECRET OR COPYRIGHT LAWS, AND MAY BE SUBJECT TO U.S. AND INTERNATIONAL LAWS STRICTLY PROHIBITING THE EXPORT OF TECHNICAL DATA.</p>	<p><b>CONFIDENTIAL AND PROPRIETARY QUALCOMM TECHNOLOGIES, INC.</b></p>	<p><b>Title</b>          07_001_V1</p> <table border="1"> <tr> <td data-bbox="1662 1105 1684 1108">Rev</td> <td data-bbox="1684 1105 1755 1108">001/07/01</td> <td data-bbox="1755 1105 1778 1108">Rev</td> <td data-bbox="1778 1105 1800 1108">V1.0</td> </tr> </table>	Rev	001/07/01	Rev	V1.0
Rev	001/07/01	Rev	V1.0			



SKY77638-11

NOT TO BE USED, COPIED, REPRODUCED OR IN ANY MANNER  
DISCLOSED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS  
WITHOUT THE WRITTEN PERMISSION OF QUALCOMM.

THIS TECHNICAL DATA MAY BE SUBJECT TO U.S. AND INTERNATIONAL  
PATENT AND OTHER INTELLECTUAL PROPERTY RIGHTS. QUALCOMM  
CONSENTS TO THE LIMITED REMEDIATION AND REPAIR RIGHTS  
CONTRARY TO U.S. AND INTERNATIONAL LAW IS STRICTLY PROHIBITED.

© 2011 QUALCOMM Technologies, Inc.

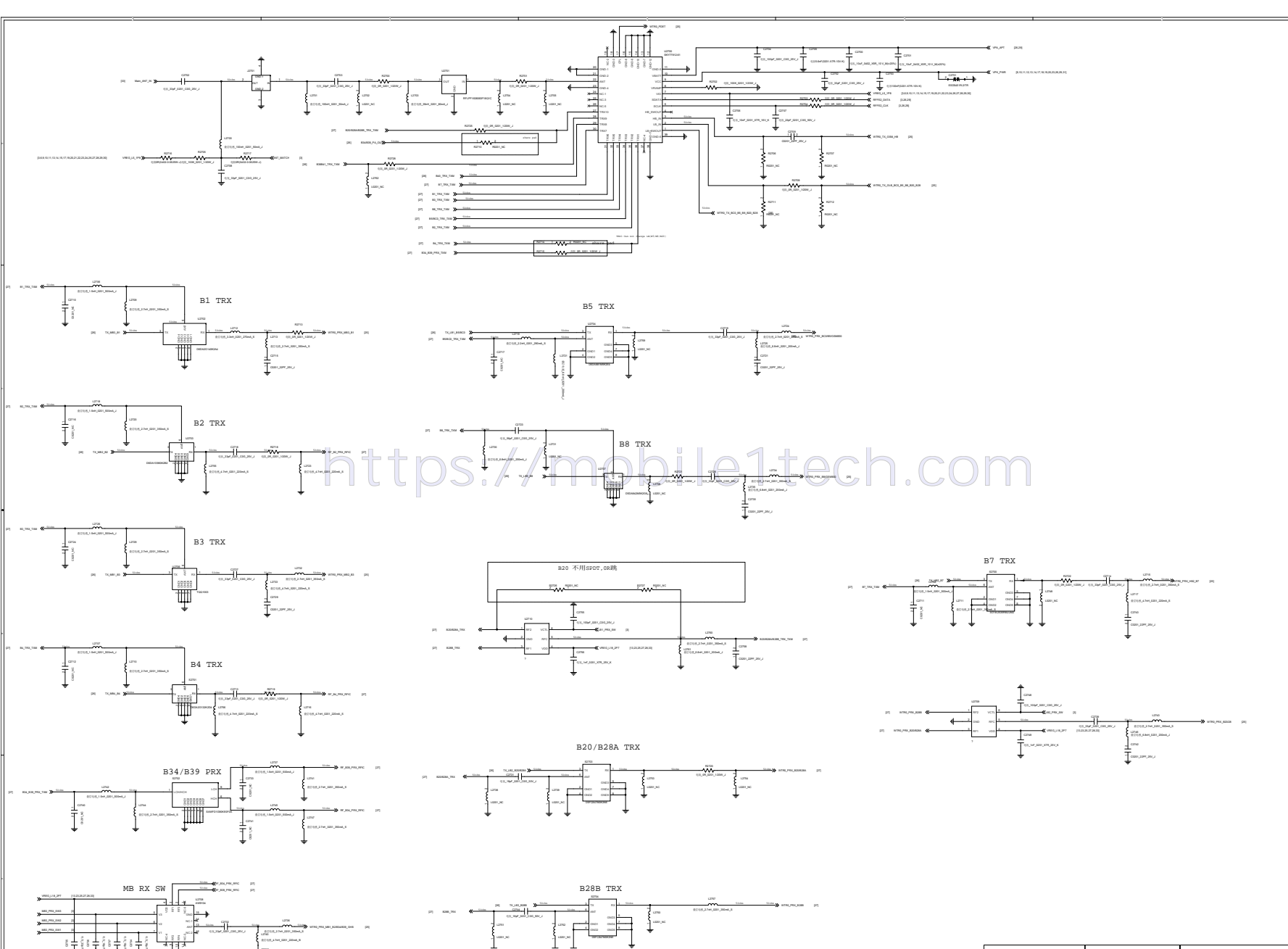
**QUALCOMM**

QUALCOMM is a registered trademark of QUALCOMM  
INCORPORATED in the UNITED STATES AND MAY BE REGISTERED  
IN OTHER COUNTRIES. OTHER TRADEMARKS AND SERVICE MARKS  
MAY BE TRADEMARKS OR REGISTERED TRADEMARKS OF  
THEIR RESPECTIVE OWNERS.

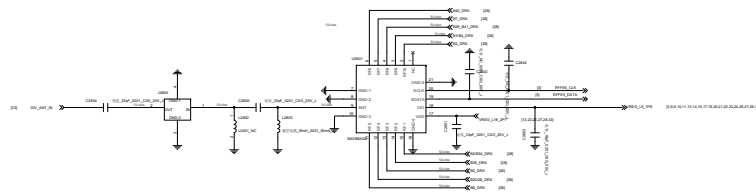
**QUALCOMM Technologies, Inc.**

5775 La Jolla Village Drive  
San Diego, CA 92121-1714  
U.S.A.

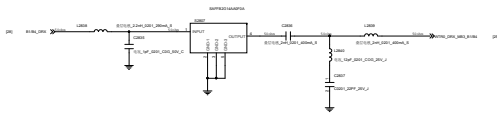
Title	
Rev. 001, V1	Rev. 001, V1
Rev. 001, V1	Rev. 001, V1
Rev. 001, V1	Rev. 001, V1



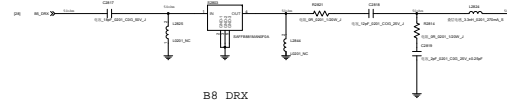




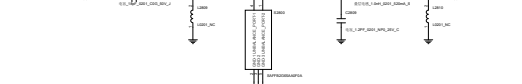
B1/B4 DRX



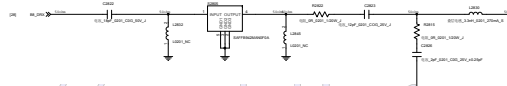
B5 DRX



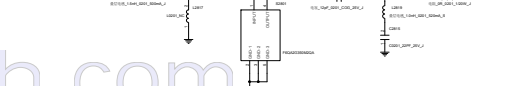
B7 DRX



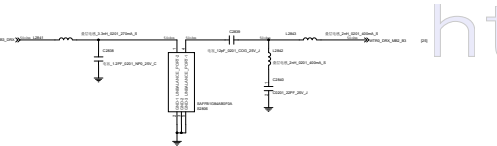
B8 DRX



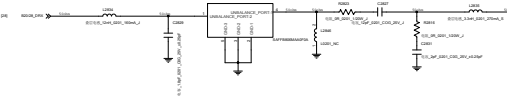
B40 DRX



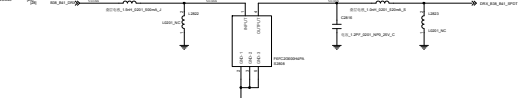
B3 DRX



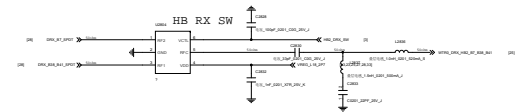
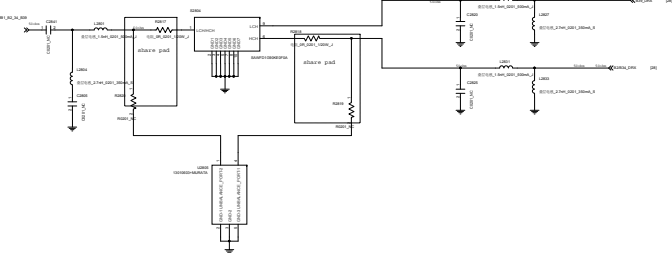
B20/B28-DRX



B38/B41 DRX



B2/34/B39 DRX

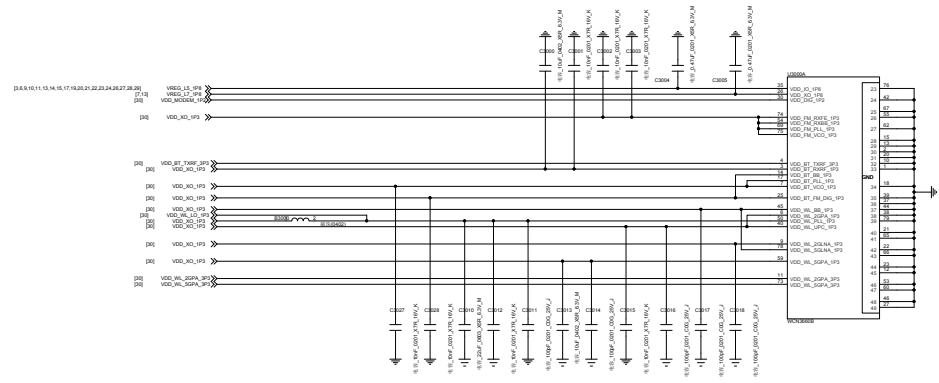
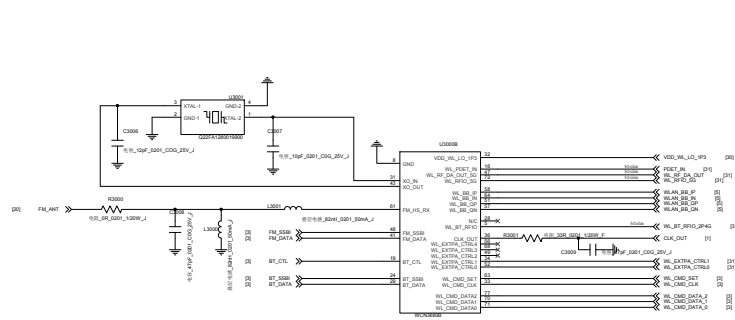




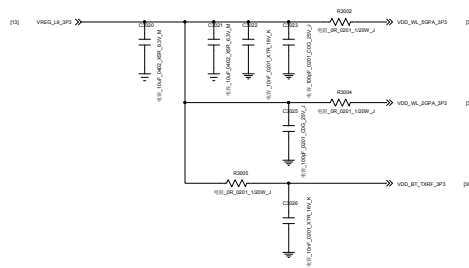
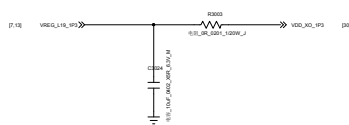


QFE2101





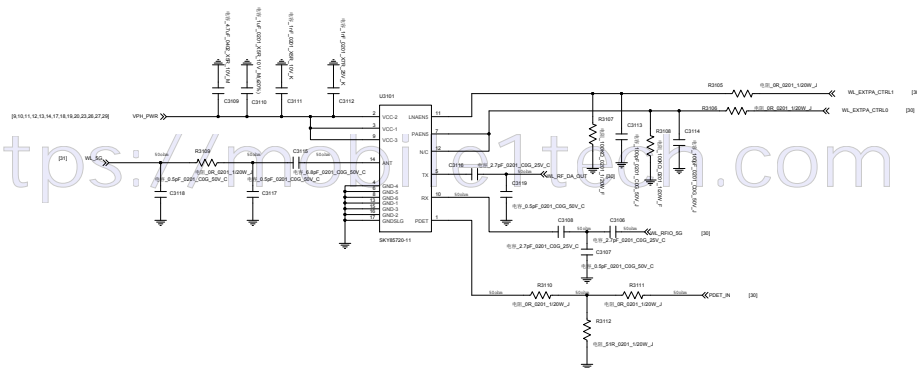
<https://mobile1tech.com>



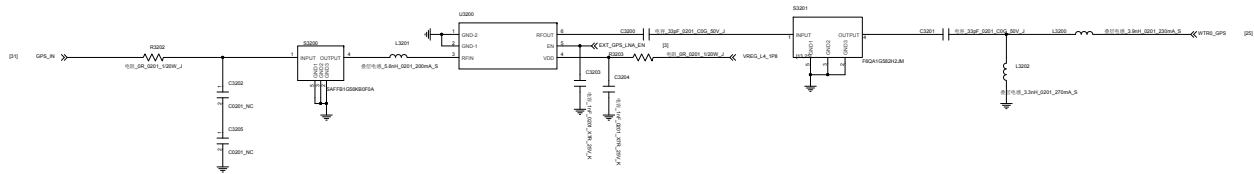
**Mobile1Tech.com**

WCN3660B

<p>NOT TO BE USED, COPIED, REPRODUCED OR IN ANY MANNER FOR ANY PURPOSES WITHOUT THE WRITTEN PERMISSION OF QUALCOMM. THIS TECHNICAL DATA MAY BE SUBJECT TO U.S. AND INTERNATIONAL EXPORT, RE-EXPORT AND EMBARGO LAWS. IT IS STRICTLY PROHIBITED TO DISCLOSE THIS TECHNICAL DATA TO ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF QUALCOMM.</p> <p>Copyright © 2008 Qualcomm Technologies, Inc.</p>		<p><b>QUALCOMM</b></p> <p>QUALCOMM IS A REGISTERED TRADEMARK OF QUALCOMM INCORPORATED IN THE UNITED STATES AND MAY BE REGISTERED IN OTHER COUNTRIES. OTHER TRADEMARKS AND SERVICE MARKS MAY BE TRADEMARKS OF REGISTERED TRADEMARKS OF THEIR RESPECTIVE OWNERS.</p>	<p><b>QUALCOMM Technologies, Inc.</b></p> <p>5755 La Jolla Village Drive San Diego, CA 92121-1714 U.S.A.</p>
<p><b>Title</b></p> <p>WCN3660B</p>		<p><b>Rev</b></p> <p>1.0</p>	<p><b>Date</b></p> <p>08/07/2008</p>



<p>MAY NOT BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART NOR TO CONTENTS BE LOANED, RENTED, REPRODUCED, COPIED, REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM</p>	<p><b>QUALCOMM</b></p>	<p><b>QUALCOMM Technologies, Inc.</b></p>				
<p>QUALCOMM TECHNOLOGIES, INC. 3855 LA JOLLA VILLAGE DRIVE, SUITE 200 SAN DIEGO, CALIFORNIA 92131-4499 TEL: 619 592 4000 FAX: 619 592 4001</p>	<p>CONFIDENTIAL AND PROPRIETARY-QUALCOMM TECHNOLOGIES, INC.</p>	<p>575 Montrose Drive San Diego, CA 92108-1774 U.S.A.</p>				
<p>Copyright © 1998 QUALCOMM Technologies, Inc. All rights reserved.</p>	<p>QUALCOMM IS A REGISTERED TRADEMARK OF QUALCOMM INCORPORATED IN THE UNITED STATES AND MAY BE REGISTERED OR OTHERWISE CLAIMED AS A TRADEMARK OR SERVICE MARK BY QUALCOMM OR OTHER QUALCOMM AFFILIATES. OTHER PRODUCT AND BRAND NAMES MAY BE TRADEMARKS OR REGISTERED TRADEMARKS OF THEIR RESPECTIVE OWNERS.</p>	<p><b>Title</b></p> <p><b>FILE NO.</b></p> <table border="1"> <tr> <td data-bbox="1664 1098 1699 1101">Rev</td> <td data-bbox="1699 1098 1785 1101">Date</td> </tr> <tr> <td data-bbox="1664 1101 1699 1104">1</td> <td data-bbox="1699 1101 1785 1104">02/02/97</td> </tr> </table>	Rev	Date	1	02/02/97
Rev	Date					
1	02/02/97					



<https://mobile1tech.com>

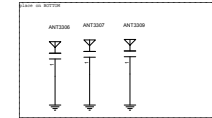
	extra S3201 option	Non-extra S3201 option
R3200	DNI	0ohm
R3201	DNI	0ohm
C3200	33pF	DNI
C3201	33pF	DNI
S3201	SAFFB1G56KB0F0A	DNI

**Mobile1Tech.com**

GPS

<p>NOT TO BE USED, COPIED, REPRODUCED, RENTED, OR IN ANY MANNER FOR THE PURPOSES OF QUALCOMM TECHNOLOGIES, INC. OR ANY OF ITS SUBSIDIARIES WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.</p> <p>THIS TECHNICAL DATA MAY BE SUBJECT TO U.S. AND INTERNATIONAL EXPORT, REEXPORT, AND EMBARGO LAWS. IT IS THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY EXPORT, REEXPORT, AND EMBARGO PERMITS BEFORE EXPORTING THIS TECHNICAL DATA TO ANY OTHER COUNTRY. IT IS THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY EXPORT, REEXPORT, AND EMBARGO PERMITS BEFORE EXPORTING THIS TECHNICAL DATA TO ANY OTHER COUNTRY. IT IS THE USER'S RESPONSIBILITY TO OBTAIN THE NECESSARY EXPORT, REEXPORT, AND EMBARGO PERMITS BEFORE EXPORTING THIS TECHNICAL DATA TO ANY OTHER COUNTRY.</p> <p>Copyright © 2008 QUALCOMM Technologies, Inc.</p>	<p><b>QUALCOMM</b></p> <p>QUALCOMM IS A REGISTERED TRADEMARK OF QUALCOMM INCORPORATED IN THE UNITED STATES AND MAY BE REGISTERED IN OTHER COUNTRIES. OTHER TRADEMARKS AND SERVICE MARKS MAY BE TRADEMARKS OR REGISTERED TRADEMARKS OF THEIR RESPECTIVE OWNERS.</p> <p>CONFIDENTIAL AND PROPRIETARY QUALCOMM TECHNOLOGIES, INC.</p>	<p><b>QUALCOMM Technologies, Inc.</b></p> <p>5775 La Jolla Village Drive San Diego, CA 92121-1714 U.S.A.</p>

<b>Title</b>	
Rev. 001, V1	
Rev. 001, V1	
Rev. 001, V1	
Rev. 001, V1	



Title <Title>		
Doc ID	Document Number <Doc>	Rev <Rev>