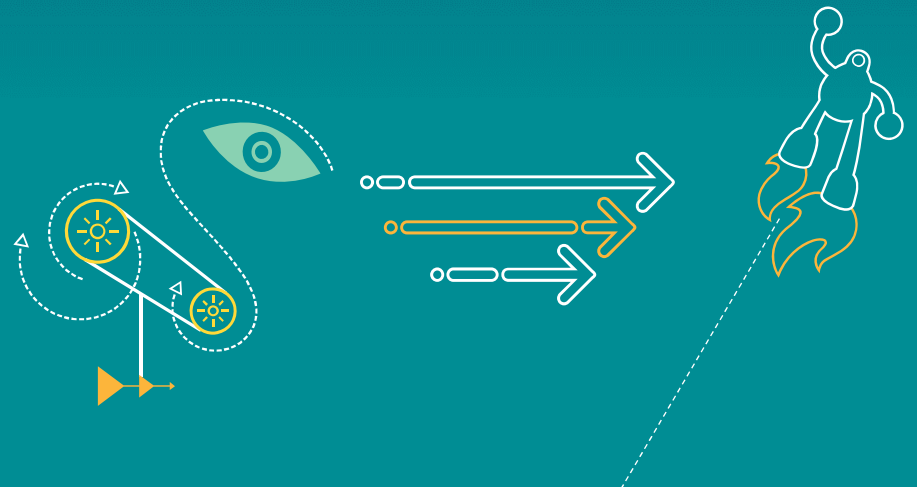

高通硬件基带技术期刊2016-4-5



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Revision History

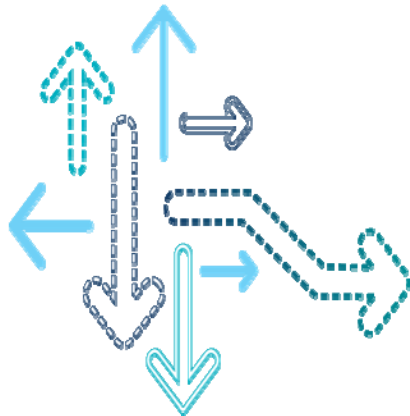
Revision	Date	Description
A	Apr 2016	Initial release

Note: There is no Rev. I, O, Q, S, X, or Z per Mil. standards.

Contents

- Baseband
- audio
- PMIC and SMB

Baseband

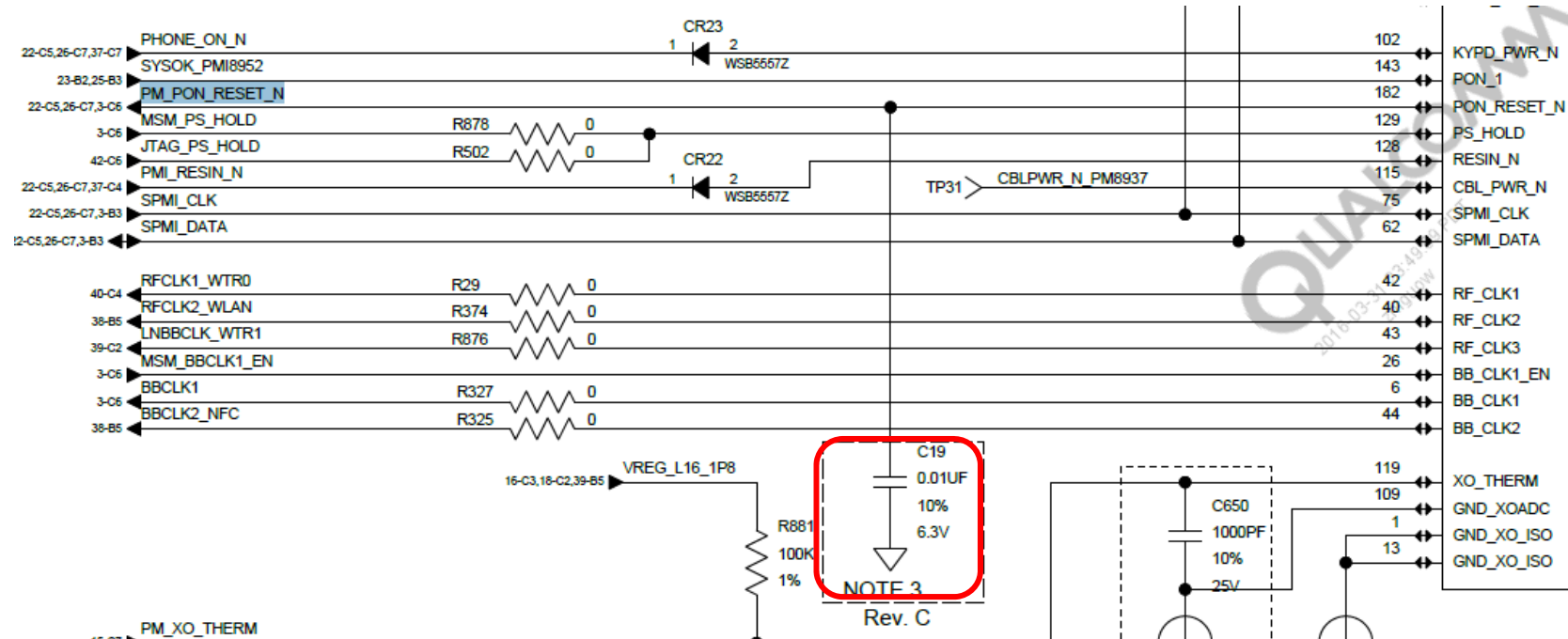


DDR 仿真

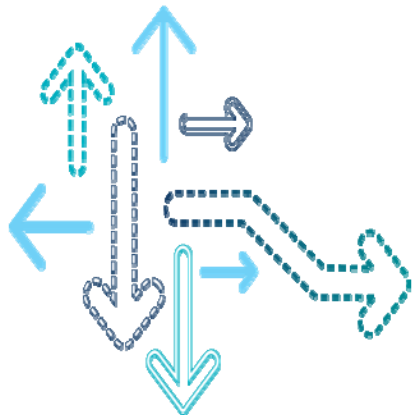
- 适用平台：所有做仿真的平台
- 问题描述：由于DDR仿真需要和memory vendor索取相关的资料 (IBIS, DDR package) , 请客户务必在实际仿真需求前 (至少提前10天) 和高通确认仿真工具是否ok , 不然也许会影响到仿真的进度 , 以及项目的风险/进度。
- 确认方法：
 - 建议直接提仿真的相关case
 - 或者发邮件给wshen@qti.qualcomm.com

MSM8937/MSM8917/MSM8940

- 适用平台：MSM8937/MSM8917/MSM8940
- 问题描述：在MSM8937/MSM8914/MSM8940平台上，需要在PM_PON_RESET_N 信号上加10nF电容，此信号与MSM8937，PM8937以及PMI8937都有连接，如果摆放位置不正确，就不会发挥应有的作用。
- 推荐：由于对于PM_PON_RESET_N的干扰源尚不明确，而受干扰的是MSM端的RESIN_N pin，因此建议将此电容靠近MSM的RESIN_N pin摆放。



Audio

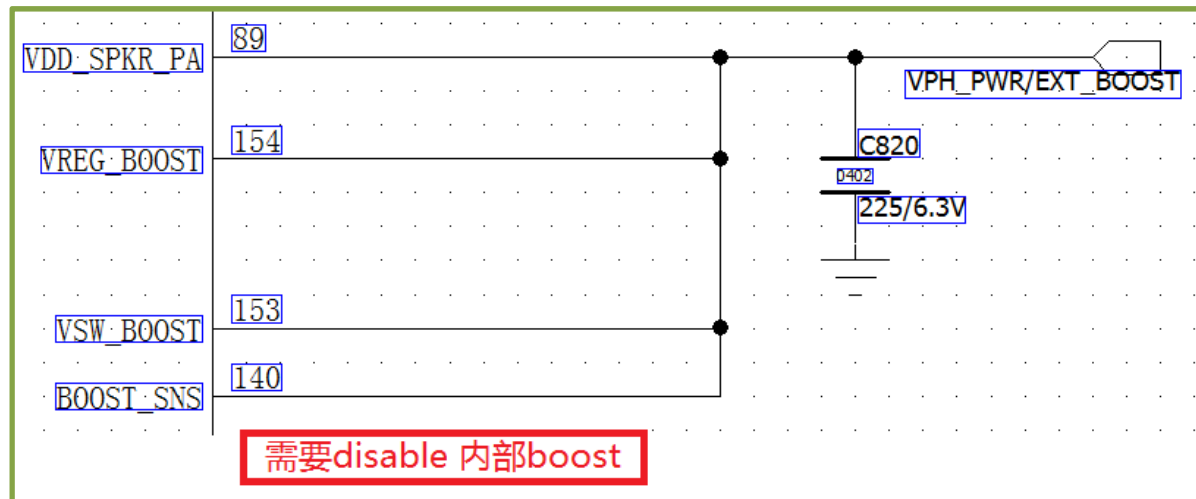


PM8952/PM8956/PM8953 boost pin damage

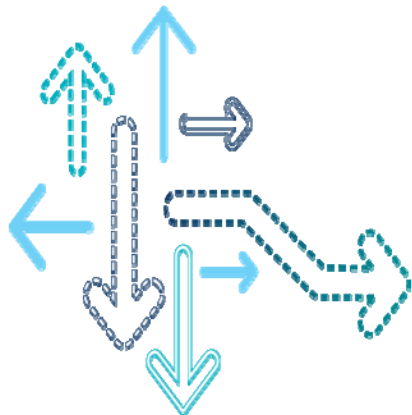
- 适用平台：PM8952/PM8956/PM8937
- 问题描述：当PM的内部5v boost不用，但需使用speaker PA时，推荐把BOOST_SNS, VREG_BOOST, VSW_BOOST, and VDD_SPKR_PA 接到VPH_PWR或者外部的boost电源。但是，如果软件没有把内部boost 关掉，则会出现概率性的喇叭无声或输出异常情况， BOOST_SNS/ VREG_BOOST /VSW_BOOST pin被损坏
- 推荐：在软件中disable internal boost

Disable BOOST on SW is by mixer control

<ctl name="Speaker Boost" value="DISABLE" />



PMIC



PMIC –SMB CSIR for different platform(1)

- SMB1351和SMB1357有不同的版本。不同的PMIC芯片需要配合相应版本的SMB芯片才能工作。
- 其中，芯片丝印的第三行最后两个数字PID对应Ordering PN末两位数字；第五行最后两个数字RR对应Ordering PN倒数第四、五两位数字

Platform	SMB Product	Default CSIR	Ordering PN
PMI8994 (parallel charging) (MSM8992/4)	SMB1357	2144	SMB-1357-0-30CWL CSP-TR-05-0-07
PMI8996 (parallel charging) (MSM8992/4/6)	SMB1351 r2.0	2352	SMB-1351-0-49CWL NSP-TR-01-0-05
PMI8996 (parallel charging) (MSM8992/4/6)	SMB1351 r2.1	2363	SMB-1351-0-49CWL NSP-TR-02-0-00
PMI8996 (parallel charging) (MSM8992/4/6)	SMB1350 r2.0	2346	SMB-1350-0-49CWL NSP-TR-01-0-00
PMI8996 (parallel charging) (MSM8992/4/6)	SMB1350 r2.1	2362	SMB-1350-0-49CWL NSP-TR-02-0-00
PMI8952 (parallel charging) (MSM8937/8953)	SMB1358	2265	SMB-1358-0-30CWL CSP-TR-05-0-05
PMI8952 (parallel charging) (MSM8937/8952/8953/8956/8976)	SMB1351 r2.0	2352	SMB-1351-0-49CWL NSP-TR-01-0-05
PMI8952 (parallel charging) (MSM8937/8952/8953/8956/8976)	SMB1351 r2.1	2363	SMB-1351-0-49CWL NSP-TR-02-0-00
PMI8952 (parallel charging) (MSM8937/8952/8953/8956/8976)	SMB1350 r2.0	2346	SMB-1350-0-49CWL NSP-TR-01-0-00
PMI8952 (parallel charging) (MSM8937/8952/8953/8956/8976)	SMB1350 r2.1	2362	SMB-1350-0-49CWL NSP-TR-02-0-00

PMIC –SMB CSIR for different platform(2)

- 对于SMB1357，请见下表：
- 其中，芯片丝印的第三行最后两个数字列在chip mark列中

Platform	SMB Product	Default CSIR	Ordering PN
PM8916 (MSM8916/29/39)	SMB1360	2289 (4.35V Generic)	SMB-1360-0-30DWLNSP-TR-03-0-15
PM8916 (MSM8916/29/39)	SMB1360	2337(4.2V Generic)	SMB-1360-0-30DWLNSP-TR-03-0-29
PM8916 (MSM8916/29/39)	SMB1360	2334(4.4V Generic)	SMB-1360-0-30DWLNSP-TR-03-0-28
PM8916 (MSM8916/29/39)	SMB1357	2266	SMB-1357-0-30CWL CSP-TR-05-0-10
PM8916 (MSM8916/29/39)	SMB1358	2278	SMB-1358-0-30CWL CSP-TR-05-0-06
PM8916 (MSM8916/29/39)	SMB358	2166	SMB358SET-2166Y
PM8916 (MSM8939)	SMB1351 r2.1	2413	SMB-1351-0-49CWLNSP-TR-01-0-15
PM8916 (MSM8939)	SMB1350 r2.1	2414	SMB-1350-0-49CWLNSP-TR-02-0-02
PM8909 (MSM8909)	SMB358	2166	SMB358SET-2166Y
PM8909 (MSM8909W)	SMB231	2412	SMB231ET-2412Y
PM8909 (MSM8909)	SMB1351 r2.1	2413	SMB-1351-0-49CWLNSP-TR-01-0-15
PM8909 (MSM8909)	SMB1350 r2.1	2414	SMB-1350-0-49CWLNSP-TR-02-0-02

关于电池特性测试的说明

- ❑ 建议新的case时的第一项:<case record type>应该选择“**Battery Characterization**”。注意不是<case Type>。
 - ❑ 把电池的spec上传到case中，必须标明“国防检测电压门限值”，“容量”以及“恒压充电电压”。
 - ❑ 邮寄电池时，请在电池或包装盒上标准对应的case#，只要完整的保护电路板的电池包，不需要手机，也不要只快递锂电芯。
 - ❑ 每种电池快递3块，测试两块去平均值，另外一块备用。
 - ❑ 由于目前实验室测试设备有限，以及每种电池测试时间大概在2周左右，排队时间为2-3周，请提前做好规划，提case，快递电池。
 - ❑ 另外不要使用到付费方式，否则直接退回。
-
- 参考文档：80-VT310-24