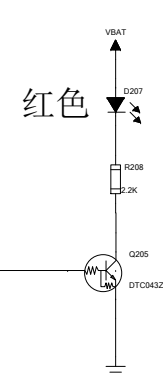
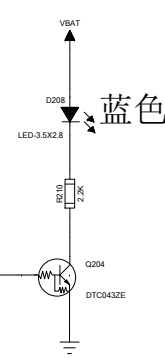
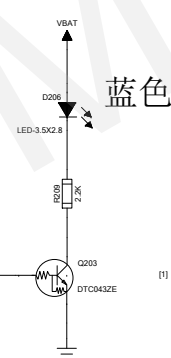
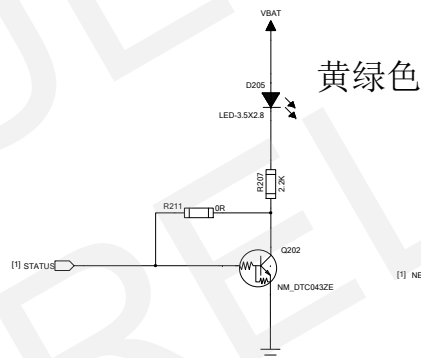
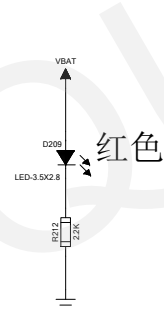


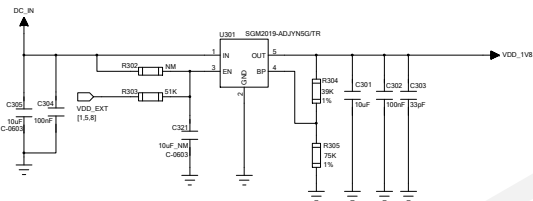
1. C201要求: 0.1uF, X7R/X5R, 10V or higher.
2. RT/CLK配置开关频率, 越高, 可以减小输出电容和电感, 但是会造成更高的开关损耗, 推荐1MHz, 对应R206=182K.
3. 电感MDMK4040T1R5MM / MDWK4040T1R5MM 前者额定电流4.5A, 后者可达7A, 但是封装高度增加到2mm了。
4. 电容的ESR需小于55mohm. 因此47uF电容选型JMK212BBJ476MG, 1MHz下小于0.01mohm 220uF选型T520B227M006ATE035, 35mohm, 暂不贴。
5. R205/C211为初步计算值, 待调试
6. 输入端的大电容同样应该选择low ESR的器件。



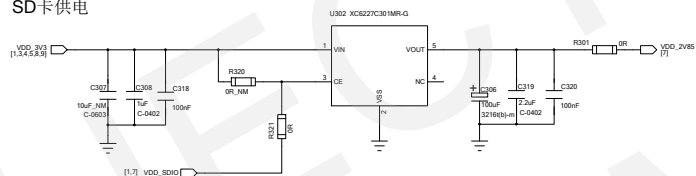
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| DRAWN BY Mountain | PROJECT UMTS<E-EVB | TITLE |
| CHECKED BY | SIZE A2 | VER V2.2 |
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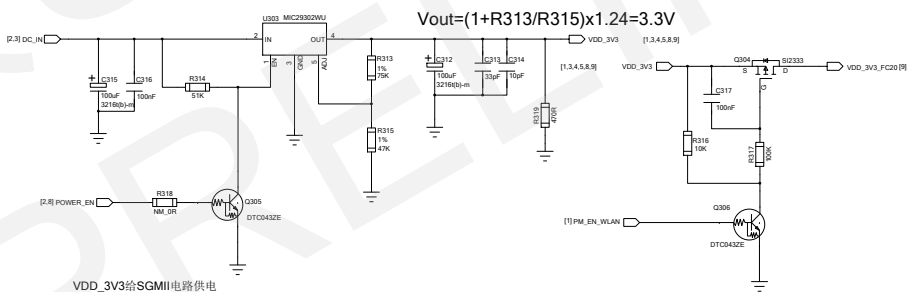
$$V_{out} = [(R312 + R313) / R213] * 1.207 = 1.8V$$



SD卡供电



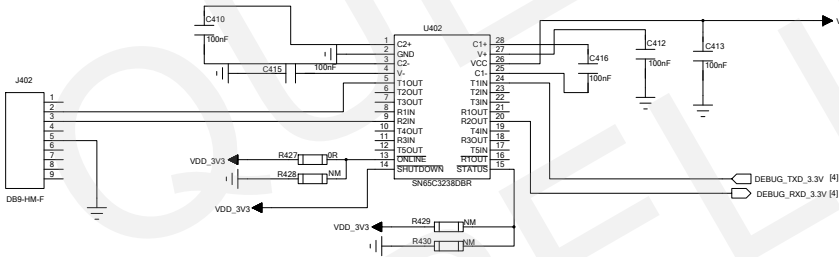
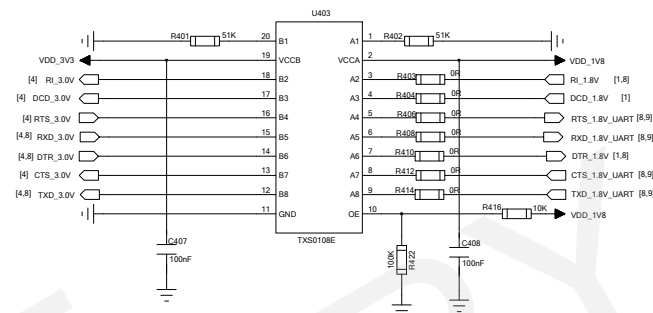
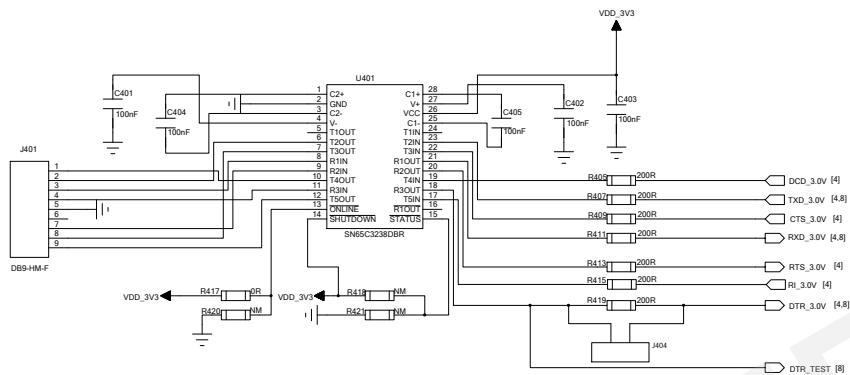
FC20和网卡, 串口, TE-A的GPS有源天线供电-3A



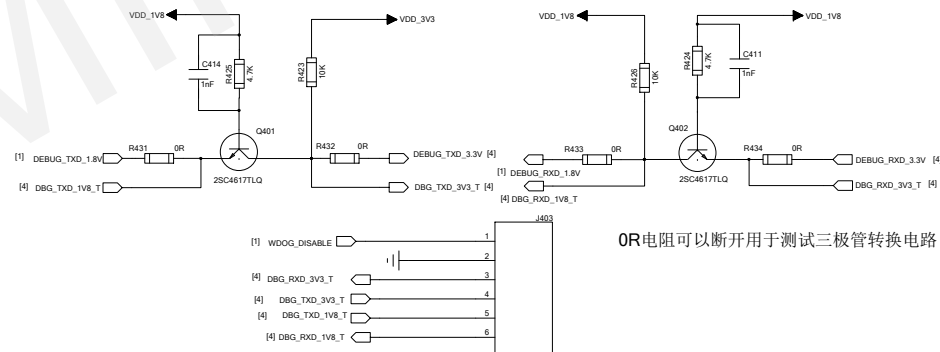
VDD_3V3给SGMII电路供电

VDD_FC20给FC20电路供电, 通过PM_EN_WLAN控制, 耗流可达1A



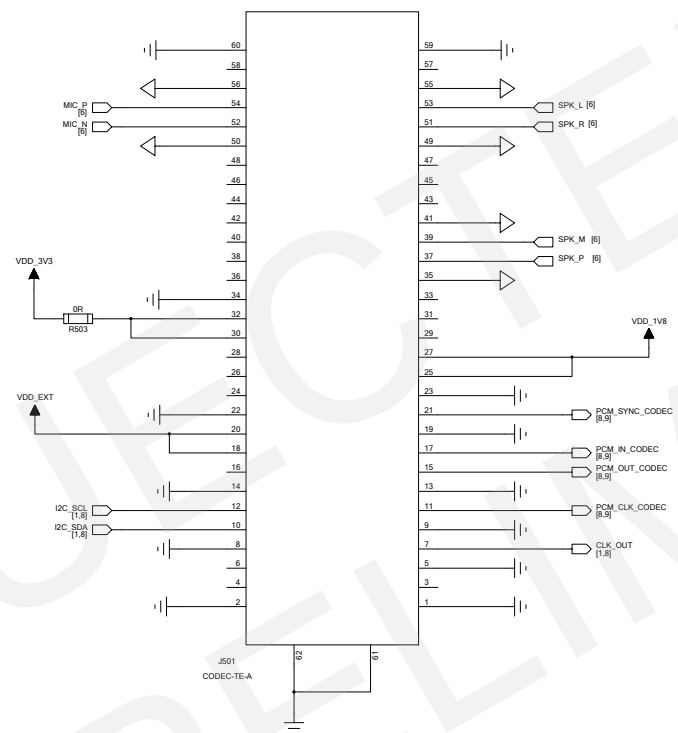


Debug Level Translate



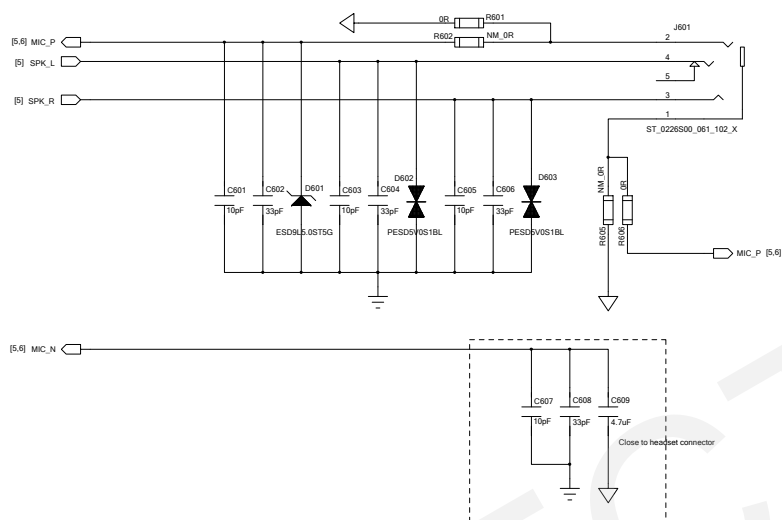
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| DRAWN BY Mountain | PROJECT UMTS<E-EVB | TITLE |
| CHECKED BY | SIZE A2 | VER V2.2 |
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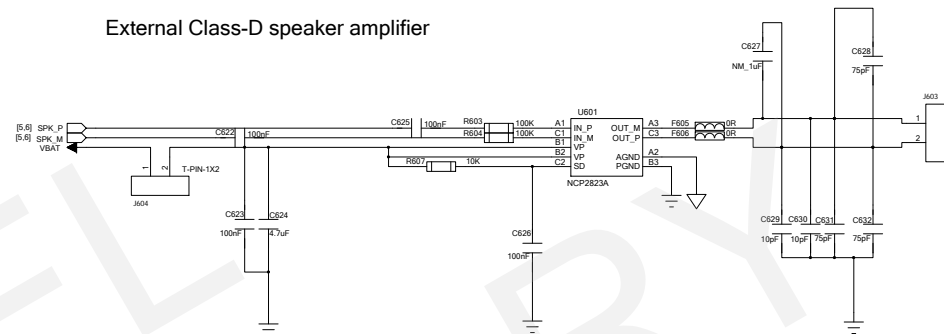


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| DRAWN BY Mountain | PROJECT UMTS<E-EVB | | TITLE | |
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| | SHEET | 5 OF 9 | DATE | 2017/4/7 |

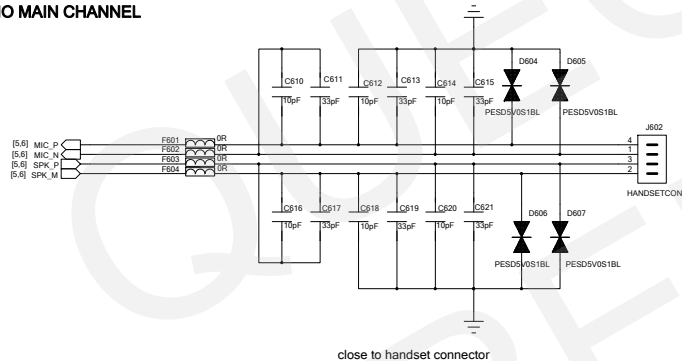
Earphone Application



External Class-D speaker amplifier



AUDIO MAIN CHANNEL

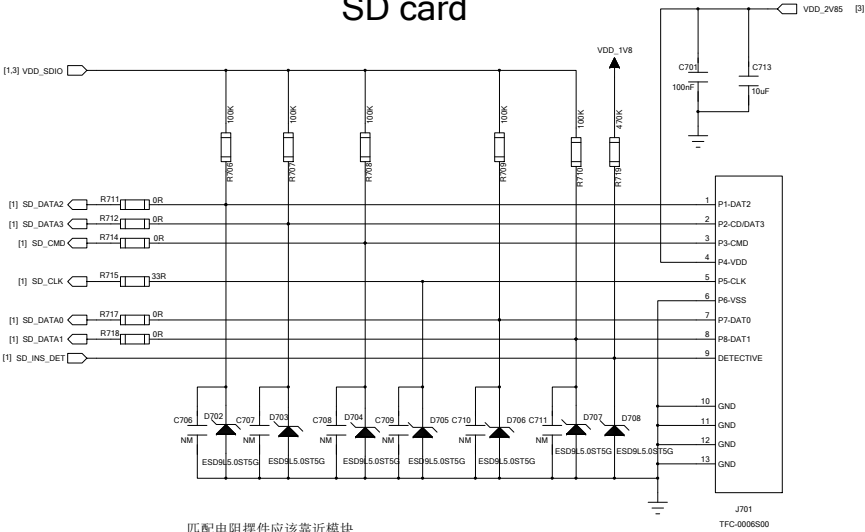


| | CTIA (美标) | OMTP |
|-----------|-----------|------|
| R601/R606 | NM | M |
| R602/R605 | M | NM |

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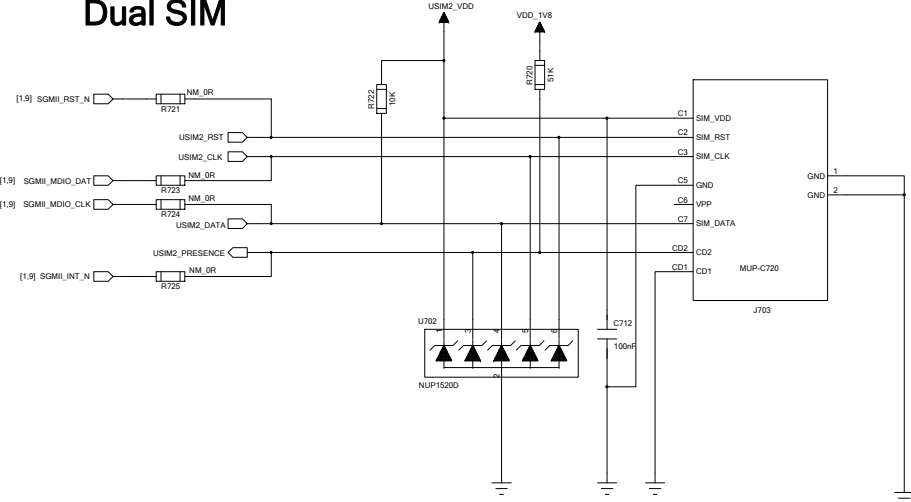
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| DRAWN BY Mountain | PROJECT UMTS<E-EVB | TITLE |
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SD card



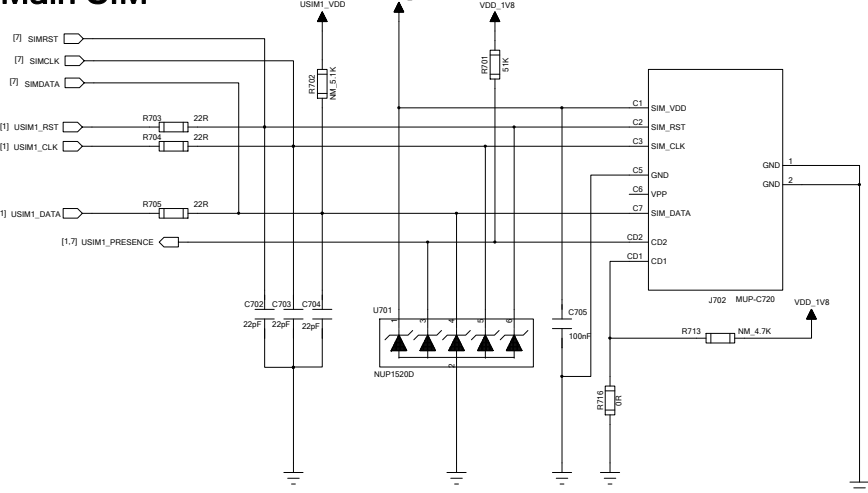
匹配电阻摆件应该靠近模块
SD负载电容小于15pF，高通参考设计选用的为双向TVS

Dual SIM

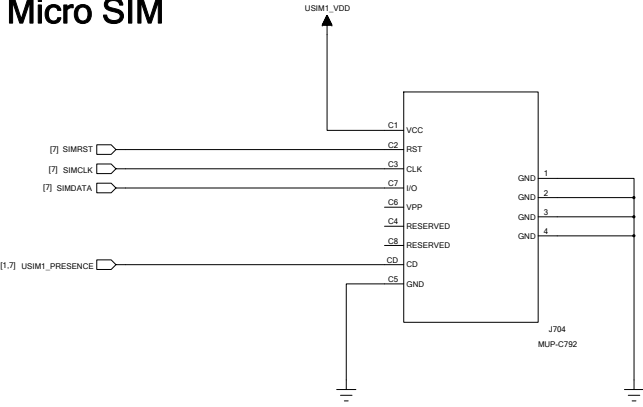


默认测试SGMII功能，对应相应TE-A；当测试USIM2时，SGMII-TE-A不贴，使用该0R电阻
NM_OR摆件靠近TE-A连接器

Main SIM



Micro SIM



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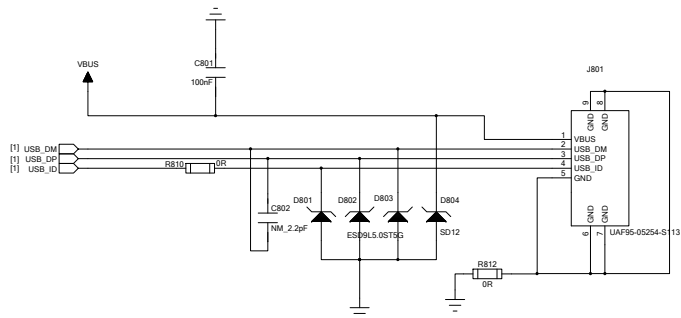
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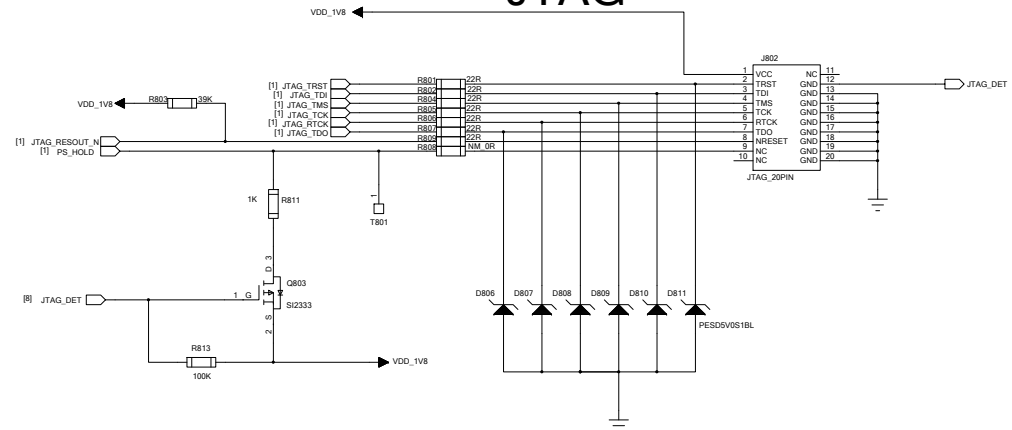
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USB

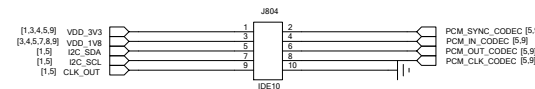


USB线路采用双向ESD

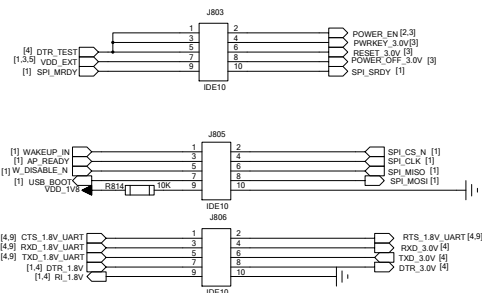
JTAG



MAX9860使用



Testpoints



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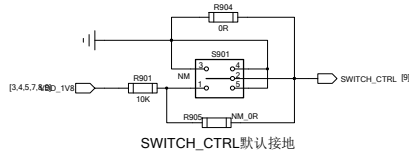
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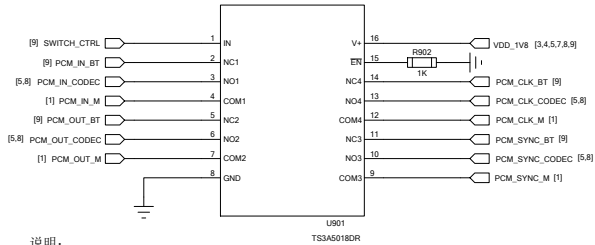
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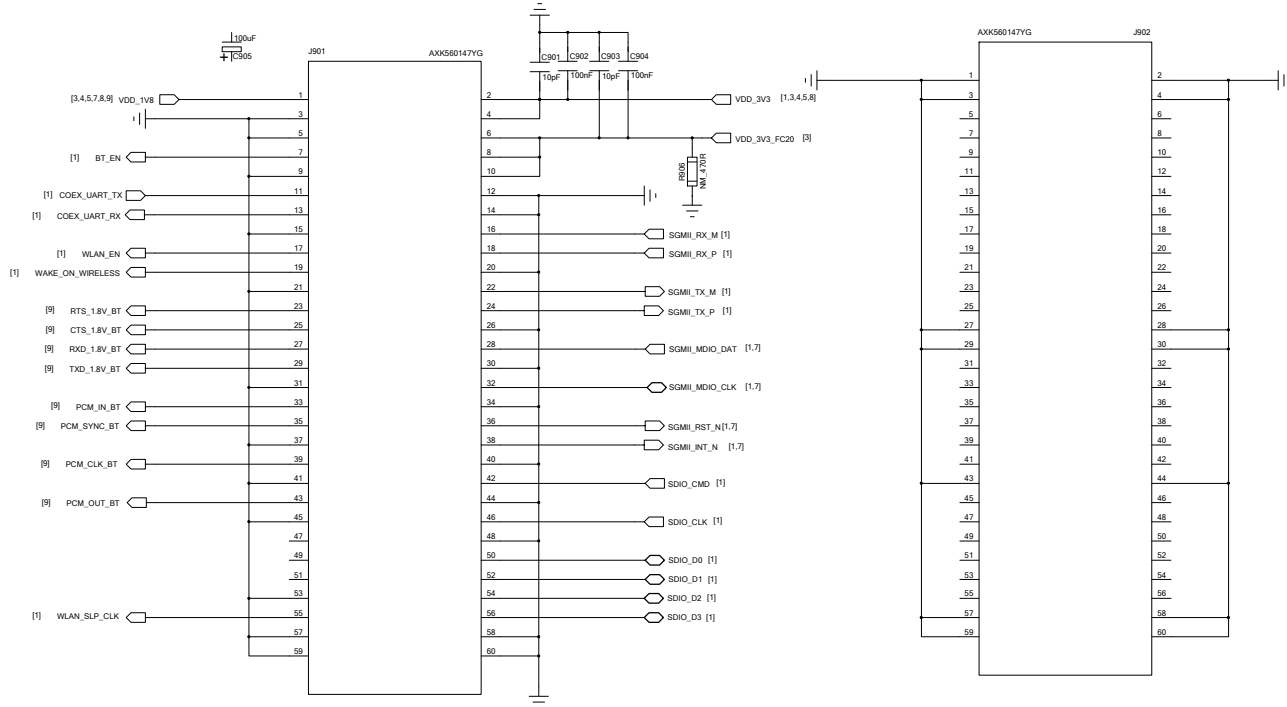
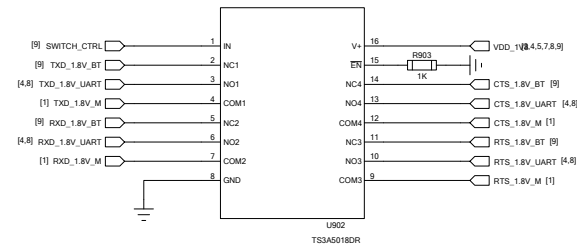
1



FC20+SGMII连接器



说明：
开关芯片EN为低使能
IN为高，对应NO通道，默认原来EVB的测试功能



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