

1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%.
2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.

| REV | ECN | DESCRIPTION OF REVISION | CK APPD DATE |
|-----|------------|-------------------------|-----------------|
| 11 | 0001447874 | ENGINEERING RELEASED | 2012-05-02 |

N41 SINGLE BRD EVT3

Mon Apr 30 16:28:35 2012

| PDF | PAGE | CSA | PAGE | CONTENTS | SYNC | MASTER | DATE |
|-----|------|-----|------|----------------------------|------|--------|------|
| 2 | 2 | | | H5P JTAG, USB ,PLL | | | N/A |
| 3 | 3 | | | H5P GPIO & CONTROL | | | N/A |
| 4 | 4 | | | H5P IO POWER | | N/A | N/A |
| 5 | 5 | | | H5P SOC/CPU/SRAM PWR | | | |
| 6 | 6 | | | H5P W/ NAND | | N/A | N/A |
| 7 | 7 | | | H5P VIDEO | | N/A | N/A |
| 8 | 8 | | | BUTTON CONNECTOR | | | N/A |
| 9 | 9 | | | CS42L65 AUDIO CODEC (1/2) | | N/A | N/A |
| 10 | 10 | | | CS42L65 AUDIO CODEC (2/2) | | N/A | N/A |
| 11 | 11 | | | CG FLEX CONNECTOR | | N/A | N/A |
| 12 | 12 | | | AGATHA PMU (1/2) | | N/A | N/A |
| 13 | 13 | | | AGATHA PMU (2/2) | | N/A | N/A |
| 14 | 14 | | | ACCEL,GYRO,COMPASS,SPK AMP | | N/A | N/A |
| 15 | 15 | | | TRISTAR | | N/A | N/A |
| 16 | 16 | | | DOCK CONNECTOR | | N/A | N/A |
| 17 | 17 | | | GRAPE & CONNECTOR | | | N/A |
| 18 | 18 | | | LCM CONNECTOR | | N/A | N/A |
| 19 | 19 | | | STROBE & NEGATIVE RAIL | | | N/A |
| 20 | 20 | | | CAM0 CONNECTOR | | N/A | N/A |
| 21 | 21 | | | BATTERY & RF INT | | | N/A |
| 22 | 22 | | | TEST POINTS | | N/A | N/A |

| | | | | | |
|-----|----------|--------|-----|-----|--|
| SCH | 051-9113 | | | | |
| BRD | 820-3141 | | | | |
| MCO | 056-4519 | | | | |
| BOM | 639-3259 | (16GB) | BTR | N41 | |
| BOM | 639-3420 | (32GB) | BST | N41 | |
| BOM | 639-3421 | (64GB) | ULT | N41 | |
| | | | | | |
| BOM | 639-2456 | (16GB) | BTR | N42 | |
| BOM | 639-3858 | (32GB) | BST | N42 | |
| BOM | 639-3839 | (64GB) | ULT | N42 | |

N41 BOM CALLOUTS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|--------------|
| 051-9113 | 1 | N41 SINGLE BRD SCHEMATIC | SCH | Y | ? |
| 820-3141 | 1 | N41 SINGLE BRD PCB | PCB | Y | ? |
| 825-6383 | 1 | LABEL FOR N41 639-3259 | EEEE_DWJG | Y | EEEE_16G |
| 825-6383 | 1 | LABEL FOR N41 639-3420 | EEEE_DY6Q | Y | EEEE_32G |
| 825-6383 | 1 | LABEL FOR N41 639-3421 | EEEE_DY6R | Y | EEEE_64G |
| 825-6383 | 1 | LABEL FOR N42 639-2456 | EEEE_DNVD | Y | EEEE_16G_N42 |
| 825-6383 | 1 | LABEL FOR N41 639-3858 | EEEE_F322 | Y | EEEE_32G_N42 |
| 825-6383 | 1 | LABEL FOR N41 639-3859 | EEEE_F321 | Y | EEEE_64G_N42 |

N41 = BAND 17 COMF
N42 = BAND 13 COMF

NAND OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR (S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------------|--------------------------|----------|------------|
| 335S0871 | 1 | NAND, 20NM, 16GX8, MLC, PPN1.5 | U4 | ? | NAND_16G |
| 335S0872 | 1 | NAND, 20NM, 32GX8, MLC, PPN1.5 | U4 | ? | NAND_32G |
| 335S0873 | 1 | NAND, 20NM, 64GX8, MLC, PPN1.5 | U4 | ? | NAND_64G |

RADIO MLB TDMA CAP OPTION

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------|-------------------------|----------|------------|
| 138S0711 | 3 | 10UF 0402 6.3V RANDOM | C235_RF,C236_RF,C237_RF | Y | ? |
| 138S0711 | 2 | 10UF 0402 6.3V RANDOM | C1201_RF,C1801_RF | Y | ? |

INDUCTOR 607-XXXX SUBBOM GEN

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|---------------------------------------|-------------------------|----------|---------------------|
| 152S1547 | 4 | IND, PWR, 1.50H, 1.95A, 111MOHM, 2520 | L10, L50, L14, L54 | Y | CPU0_1_TDK_SUBBOM |
| 152S1696 | 3 | IND, PWR, 2.2UH, 1.45A, 138MOHM, 2520 | L11, L12, L13 | Y | SOC_CYNCT_SUBBOM |
| 152S1695 | 4 | IND, PWR, 1.50H, 1.95A, 111MOHM, 2520 | L10, L50, L14, L54 | Y | CPU0_1_CYNCT_SUBBOM |
| 152S1432 | 3 | IND, PWR, 2.2UH, 1.45A, 125MOHM, 2520 | L11, L12, L13 | Y | SOC_TDK_SUBBOM |

INDUCTOR SUBBOM ADDITION

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------|-------------------------|----------|------------|
| 607-9979 | 1 | CPU0_1, PWR IND SUBBOM | CPU_IND | Y | ? |
| 607-9980 | 1 | SOC, PWR IND SUBBOM | SOC_IND | Y | ? |


| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS: |
|-------------|---------------------------|------------|---------|--------------------------|
| 335S0895 | 335S0874 | ? | U601_RF | WINBOND ALT |
| 197S0437 | 197S0410 | ? | Y301_RF | KYOCERA 19.2MHZ XTAL ALT |
| 197S0409 | 197S0410 | ? | Y301_RF | SAKIN 19.2MHZ XTAL ALT |

ALTERNATES

| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS: |
|-------------|---------------------------|------------|---------|------------------------|
| 138S0648 | 138S0652 | ? | ? | 4.7UF CERM 0402 6.3V |
| 138S0703 | 138S0648 | ? | ? | 4.7UF CERM 0402 6.3V |
| 138S0702 | 138S0657 | ? | ? | 4.3UF CERM 0610 4V |
| 138S0697 | 138S0695 | ? | ? | 1UF CERM 0204 4V |
| 138S0746 | 138S0705 | ? | ? | 10UF CERM 0402 10V |
| 138S0739 | 138S0706 | ? | ? | 1UF CERM 0201 10V |
| 197S0369 | 197S0392 | ? | ? | TXC 32KHZ XTAL ALT |
| 197S0399 | 197S0392 | ? | ? | NDK 32KHZ XTAL ALT |
| 155S0667 | 155S0583 | ? | ? | PANASONIC CMC |
| 107S0146 | 107S0208 | ? | ? | TDK 10K NTC ALT |
| 152S1696 | 152S1432 | ? | L2 | CYNTEC 2.2UH IND ALT |
| 152S1604 | 152S1518 | ? | L16 | TDK 2.2UH IND ALT |
| 152S1602 | 152S1518 | ? | L16 | CYNTEC 2.2UH IND ALT |
| 152S1602 | 152S1604 | ? | L19 | CYNTEC 2.2UH IND ALT |
| 311S0591 | 311S0273 | ? | ? | 74LVC1G32 OR GATE ALT |
| 311S0548 | 311S0398 | ? | ? | 74AUP1008 AND GATE ALT |
| 311S0560 | 311S0515 | ? | ? | 74LV2G07 BUFFER ALT |
| 339S0177 | 339S0176 | ? | ? | H5P ALT |
| 339S0178 | 339S0176 | ? | ? | H5P ALT |
| 155S0773 | 155S0453 | ? | ? | TAIYO ALT FERRITE |

| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS: |
|-------------|---------------------------|------------|---------|-------------|
| 335S0878 | 335S0871 | NAND_16G | U4 | TOSHIBA 16G |
| 335S0881 | 335S0871 | NAND_16G | U4 | SAMSUNG 16G |
| 335S0900 | 335S0871 | NAND_16G | U4 | SANDISK 16G |
| 335S0879 | 335S0872 | NAND_32G | U4 | TOSHIBA 32G |
| 335S0882 | 335S0872 | NAND_32G | U4 | SAMSUNG 32G |
| 335S0901 | 335S0872 | NAND_32G | U4 | SANDISK 32G |
| 335S0880 | 335S0873 | NAND_64G | U4 | TOSHIBA 64G |
| 335S0883 | 335S0873 | NAND_64G | U4 | SAMSUNG 64G |
| 335S0902 | 335S0873 | NAND_64G | U4 | SANDISK 64G |

| PART NUMBER | ALTERNATE FOR PART NUMBER | BOM OPTION | REF DES | COMMENTS: |
|-------------|---------------------------|------------|---------|-----------------------|
| 607-9983 | 607-9979 | ? | CPU_IND | ALT CPU CYNTEC SUBBOM |
| 607-9984 | 607-9980 | ? | SOC_IND | ALT SOC CYNTEC SUBBOM |

| | | | |
|--|----------------|-----------------|------|
| DRAWING TITLE | | SCHEM, MLB, N41 | |
|  Apple Inc. | DRAWING NUMBER | | SIZE |
| | 051-9113 | | D |
| | REVISION | | |
| | | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE I I NOT TO REPRODUCE OR COPY IT I I I NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART I I I ALL RIGHTS RESERVED | | PAGE | |
| | | 1 OF 24 | |
| | | SHEET | |
| | | 1 OF 51 | |

D

C

B

A

D

C

B

A

87654321

HSIC接口：高速芯片间接口

基带HSIC接口

WLAN HSIC接口

JTAG接口

测试时钟输出

复位信号

1.0V供电电压

3.0V供电电压

1.8V供电电压

看门狗信号

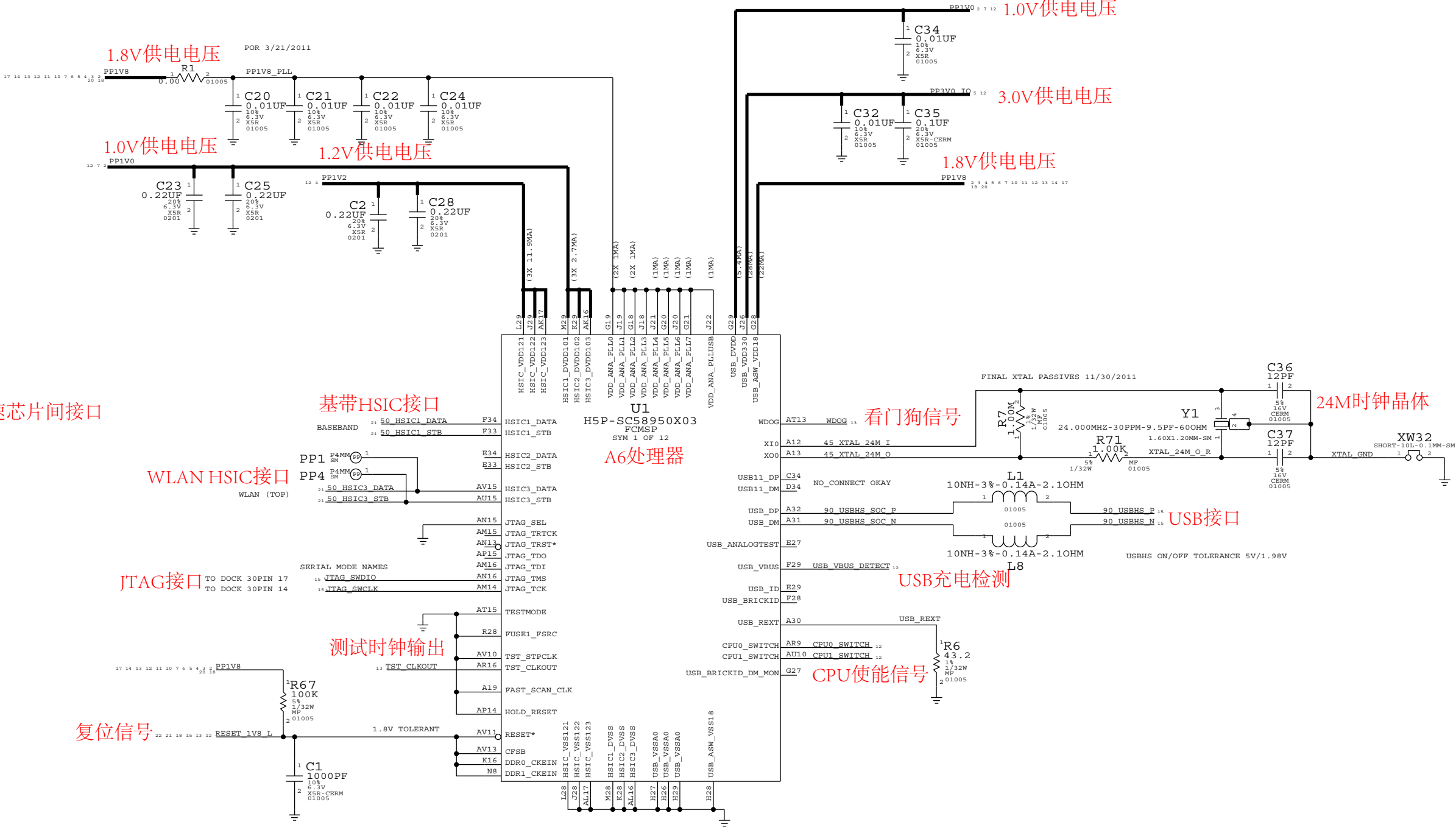
24M时钟晶体


USB接口

USB充电检测

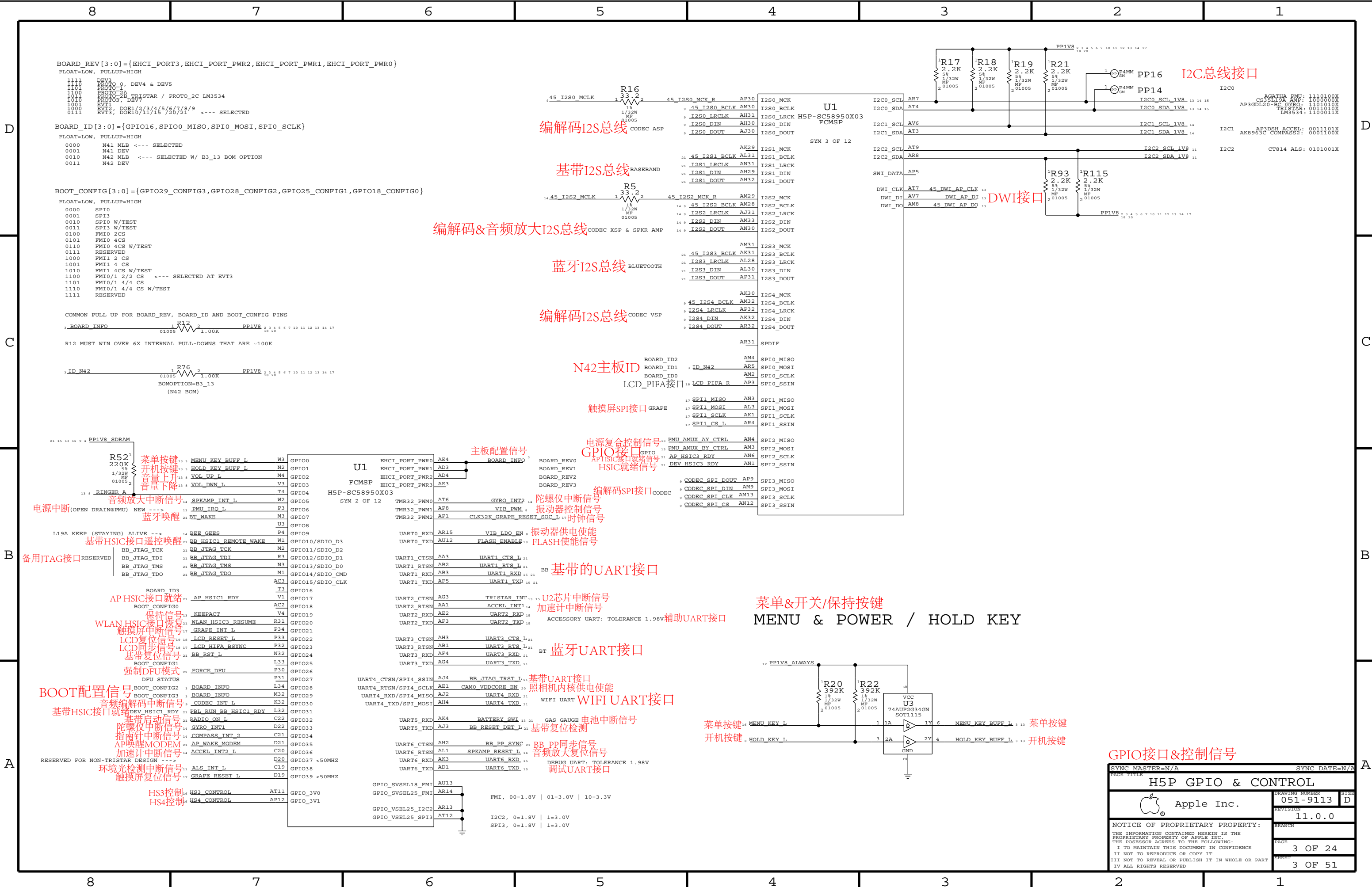
CPU使能信号

JTAG接口，USB接口，PLL接口



| | | | |
|---|--|----------------|-------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| H5P JTAG, USB , PLL | | | |
|  Apple Inc. | | DRAWING NUMBER | SHEET |
| | | 051-9113 | D |
| | | REVISION | |
| | | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | PAGE | |
| I I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | 2 | OF 24 |
| II NOT TO REPRODUCE OR COPY IT | | SHEET | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | 2 | OF 51 |
| IV ALL RIGHTS RESERVED | | | |

87654321



I2C总线接口

编解码I2S总线

基带I2S总线

编解码&音频放大I2S总线

蓝牙I2S总线

编解码I2S总线

N42主板ID

触摸屏SPI接口

电源复合控制信号

GPIO接口

HSIC就绪信号

编解码SPI接口

陀螺仪中断信号

振动器控制信号

时钟信号

振动器供电使能

FLASH使能信号

基带的UART接口

U2芯片中断信号

加速计中断信号

辅助UART接口

菜单&开关/保持按键

MENU & POWER / HOLD KEY

蓝牙UART接口

基带UART接口

照相机内核供电使能

WIFI UART

基带复位检测

BB_PP同步信号

音频放大复位信号


调试UART接口

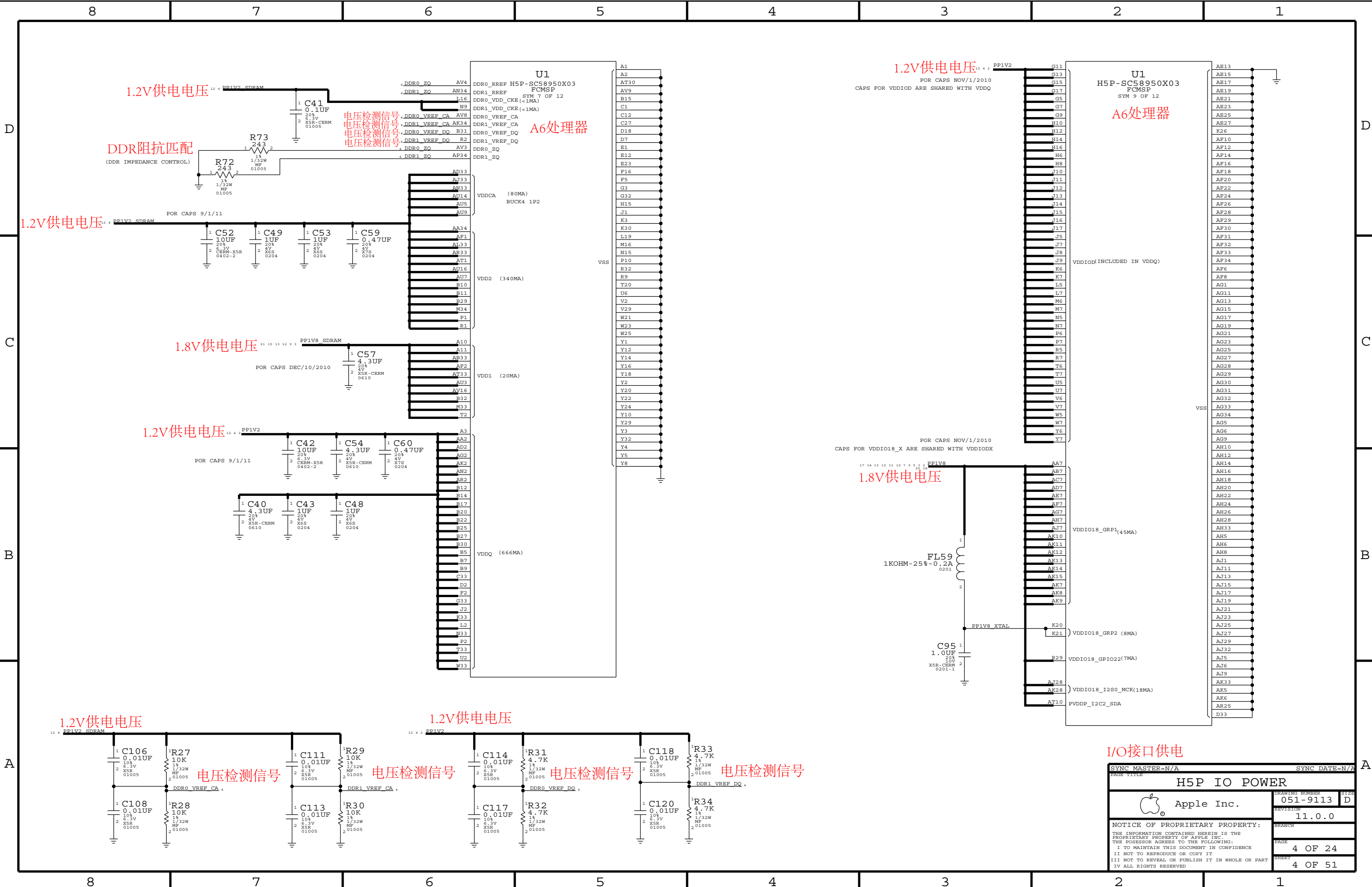
HS3控制

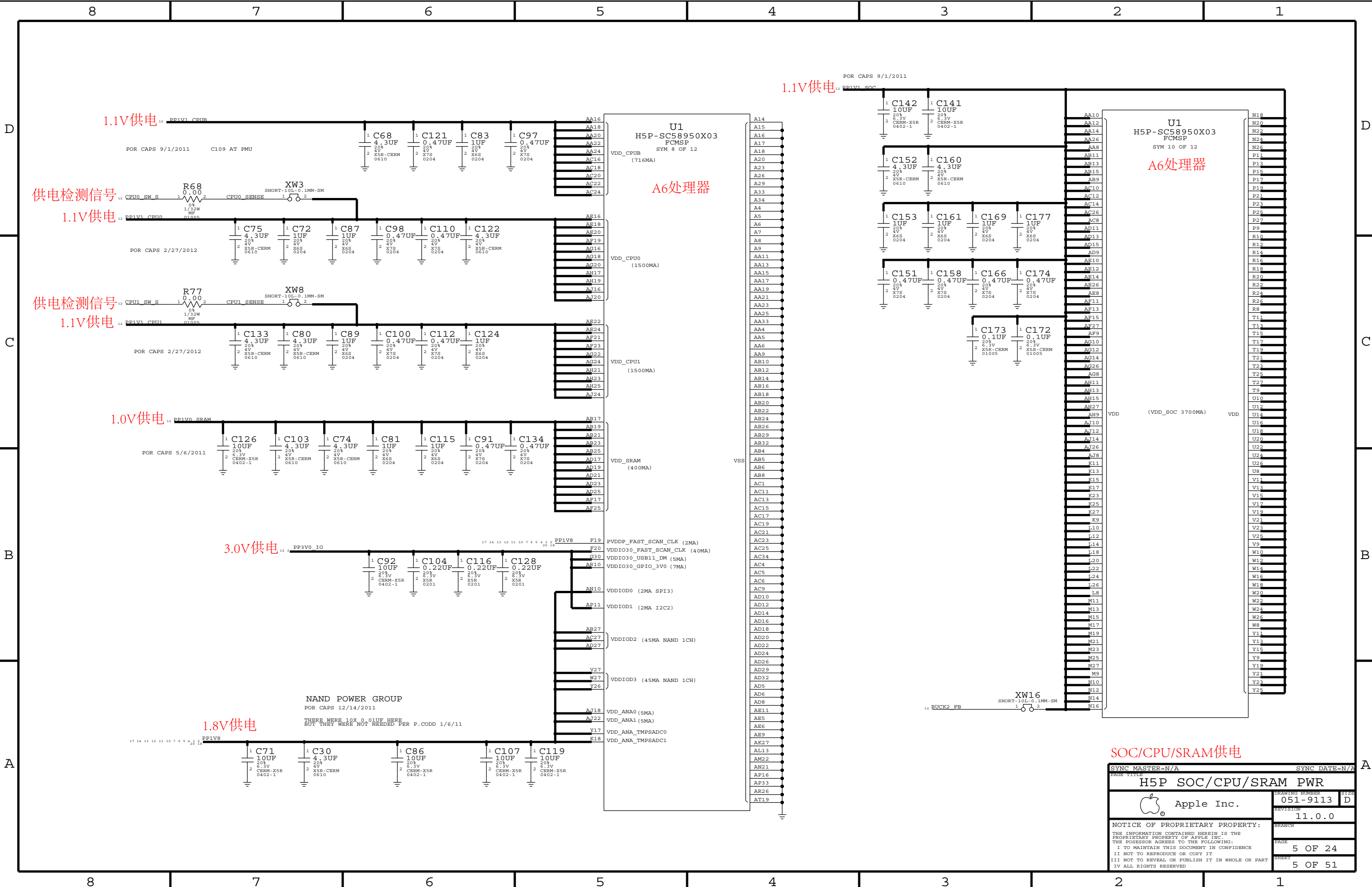
HS4控制


DWI接口

GPIO接口&控制信号

| | | | |
|---|--|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| H5P GPIO & CONTROL | | | |
|  Apple Inc. | | DRAWING NUMBER | 051-9113 |
| | | REVISION | 1.1.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH | |
| | | PAGE | 3 OF 24 |
| | | SHEET | 3 OF 51 |

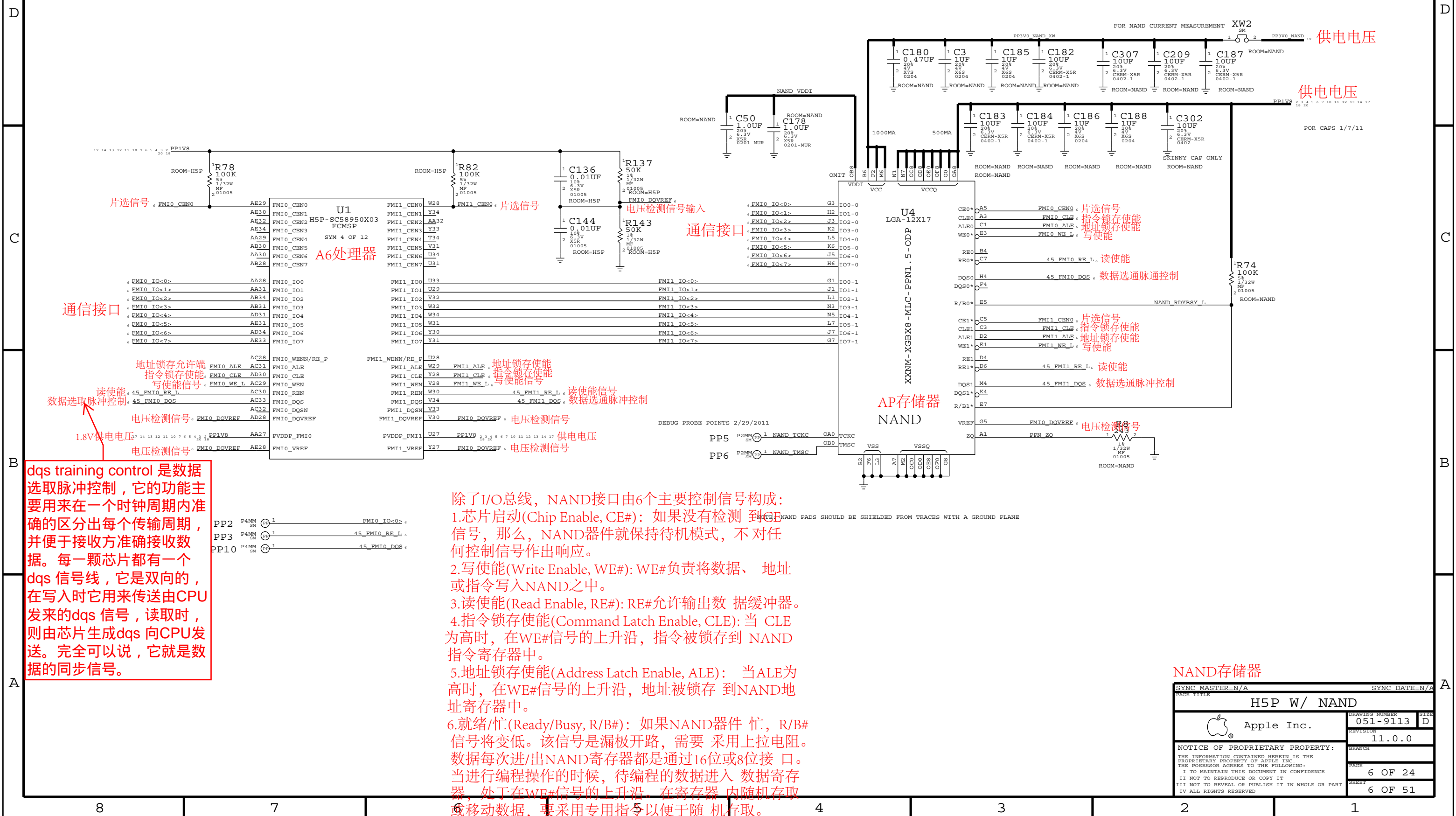


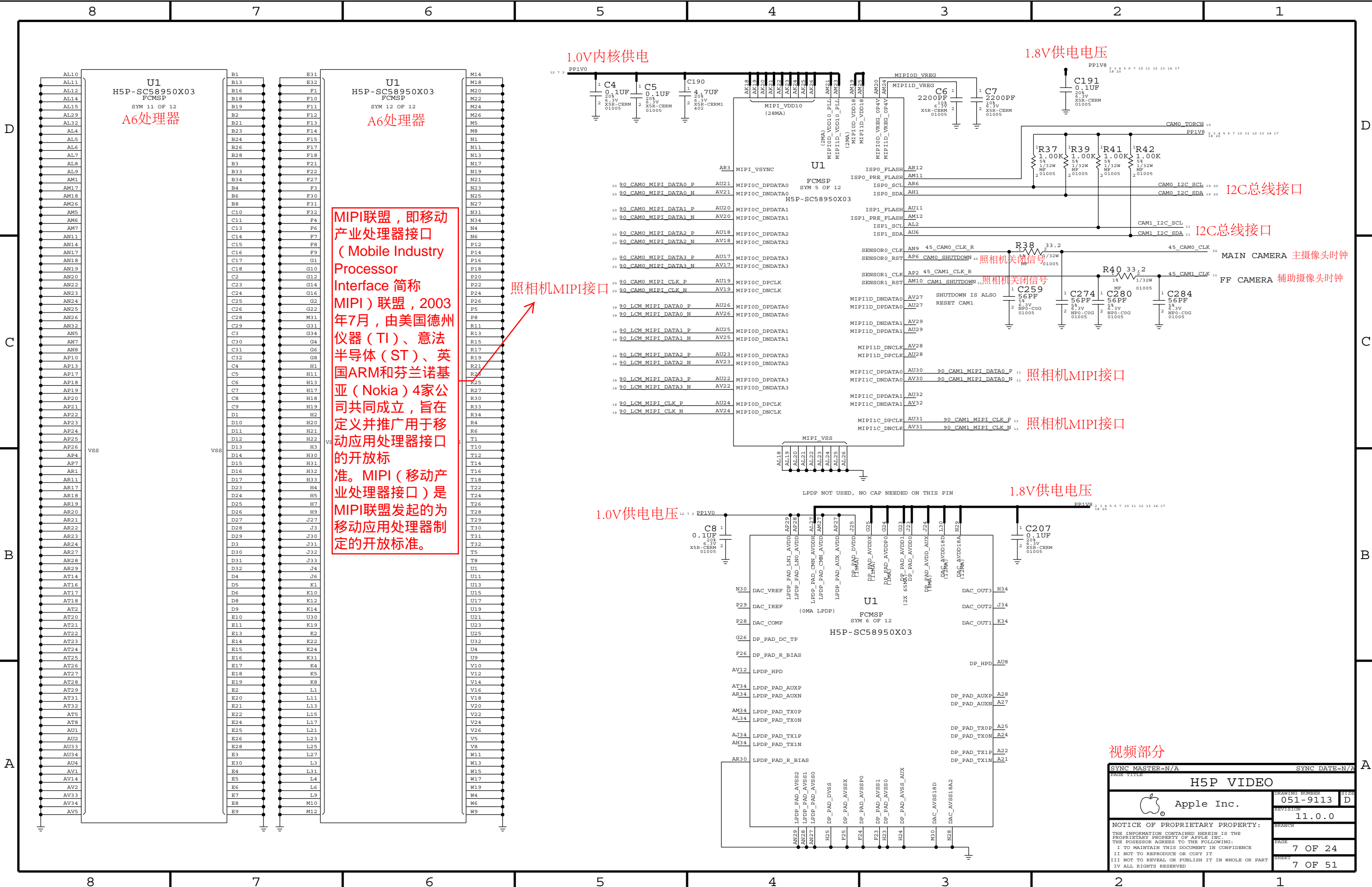


| | | | |
|--|--|----------------|---------|
| SOC/CPU/SRAM供电 | | | |
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| H5P SOC/CPU/SRAM PWR | | | |
|  Apple Inc. | | DRAWING NUMBER | S12P |
| | | 051-9113 | D |
| | | REVISION | |
| | | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. | | | |
| THE POSSESSOR AGREES TO THE FOLLOWING: | | | |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | | |
| II NOT TO REPRODUCE OR COPY IT | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | |
| IV ALL RIGHTS RESERVED | | | |
| | | BRANCH | |
| | | PAGE | 5 OF 24 |
| | | SHEET | 5 OF 51 |

NAND

SUPPORT FOR PPN1.5 AND PPN1.0 W/ 1.8V IO ONLY





MIPI联盟，即移动产业处理器接口（Mobile Industry Processor Interface 简称 MIPI）联盟，2003年7月，由美国德州仪器（TI）、意法半导体（ST）、英国ARM和芬兰诺基亚（Nokia）4家公司共同成立，旨在定义并推广用于移动应用处理器接口的开放标准。MIPI（移动产业处理器接口）是MIPI联盟发起的为移动应用处理器制定的开放标准。

照相机MIPI接口

I2C总线接口

I2C总线接口

MAIN CAMERA 主摄像头时钟

FF CAMERA 辅助摄像头时钟


照相机MIPI接口

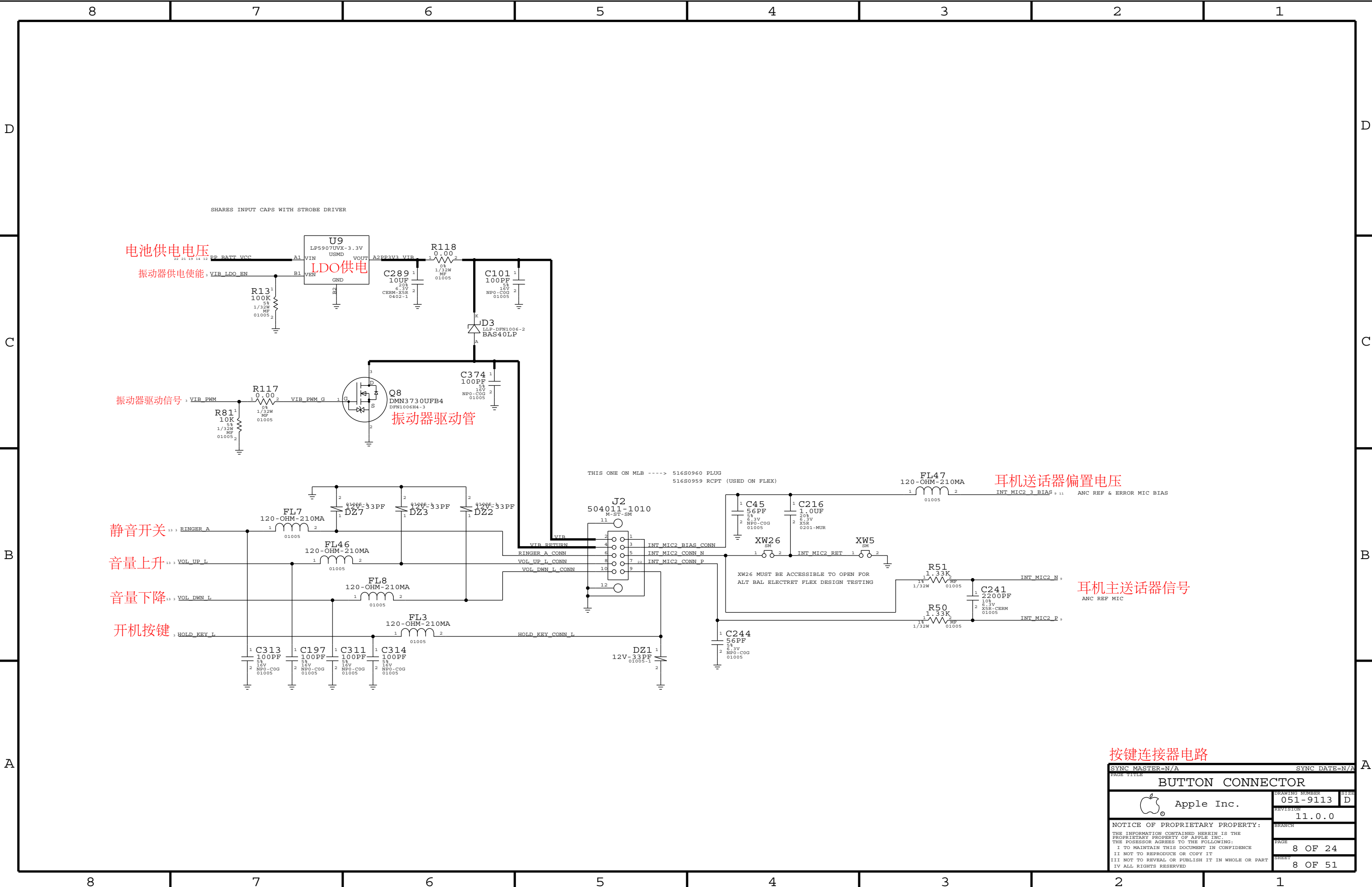
照相机MIPI接口

1.8V供电电压


1.0V供电电压

视频部分

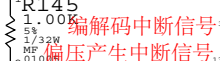
| | | | |
|---|----------------|---------------|--------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| H5P VIDEO | | | |
|  Apple Inc. | DRAWING NUMBER | | SIZE |
| | 051-9113 | | D |
| | REVISION | | |
| | | | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | | |
| I I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | | |
| II NOT TO REPRODUCE OR COPY IT | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | |
| IV ALL RIGHTS RESERVED | | | |
| PAGE | | SHEET | |
| 7 OF 24 | | 7 OF 51 | |



按键连接器电路


| | | | |
|---|--|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| BUTTON CONNECTOR | | | |
|  Apple Inc. | | DRAWING NUMBER | 051-9113 |
| | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH | |
| | | PAGE | 8 OF 24 |
| | | SHEET | 8 OF 51 |
| | | | |

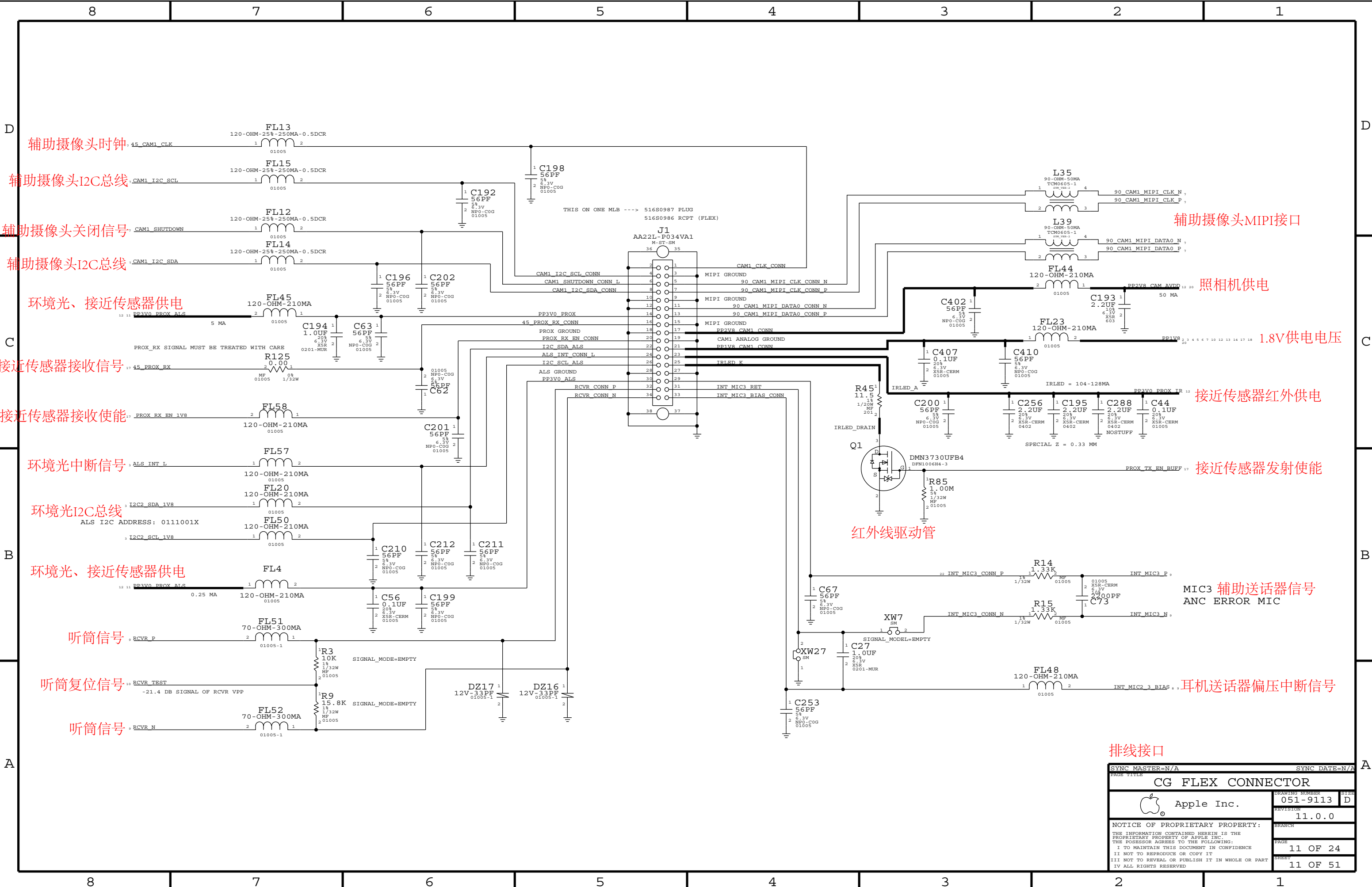
音频编解码电路



音频编解码电路



| | | | |
|---|--|----------------|------|
| SYNCR MASTER-N/A | | SYNCR DATE-N/A | |
| CS42L65 AUDIO CODEC (2/2) | | | |
|  Apple Inc. | | DRAWING NUMBER | SIZE |
| | | 051-9113 | D |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | REVISION | |
| | | 11.0.0 | |
| | | BRANCH | |
| | | | |
| | | PAGE | |
| | | 10 OF 24 | |
| | | SHEET# | |
| | | 10 OF 51 | |



辅助摄像头时钟

辅助摄像头I2C总线

辅助摄像头关闭信号

辅助摄像头I2C总线

环境光、接近传感器供电

接近传感器接收信号

接近传感器接收使能

环境光中断信号

环境光I2C总线

环境光、接近传感器供电

听筒信号

听筒复位信号

听筒信号

辅助摄像头MIPI接口

照相机供电

1.8V供电电压


接近传感器红外供电

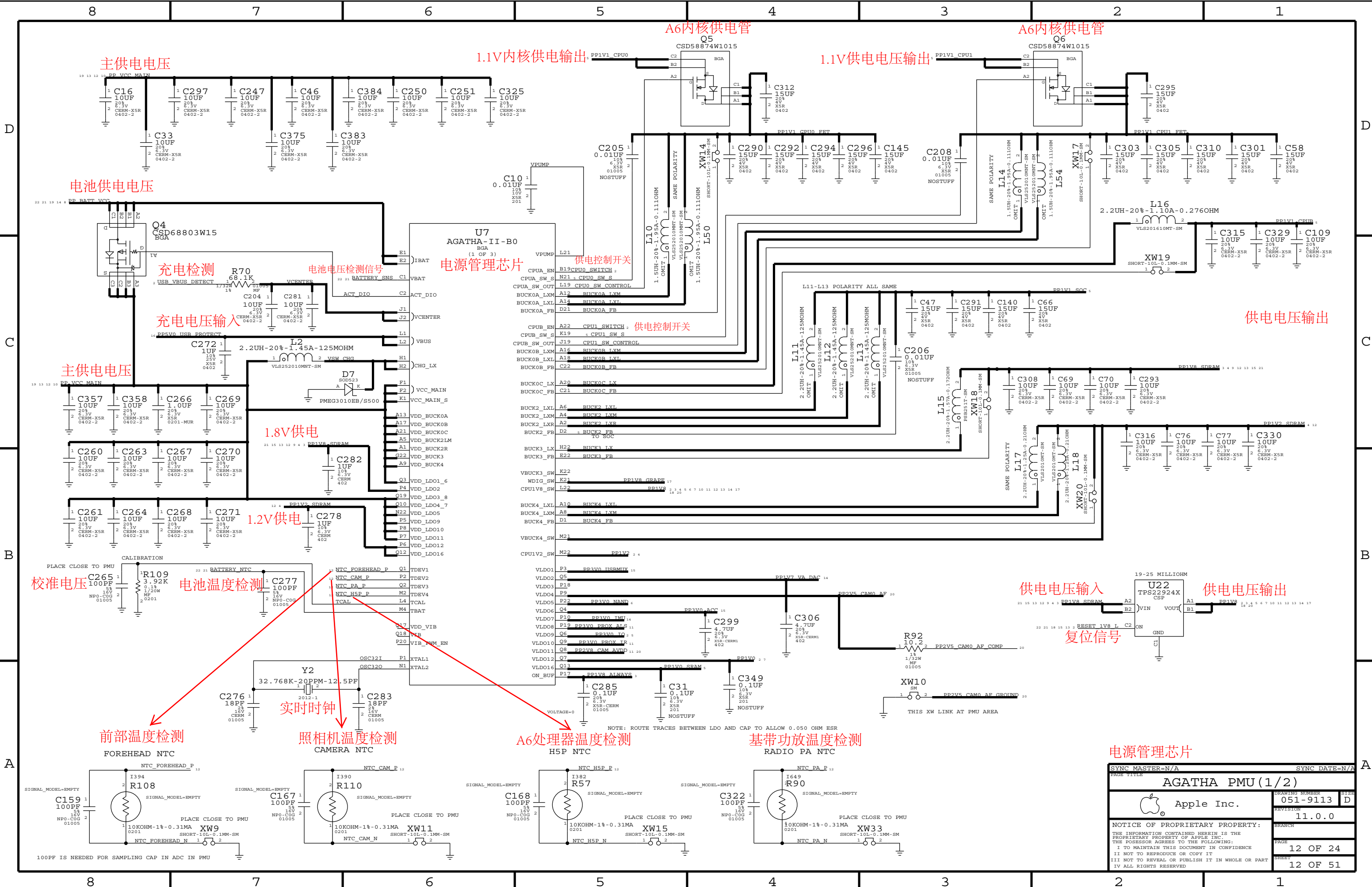
接近传感器发射使能


MIC3 辅助送话器信号
ANC ERROR MIC

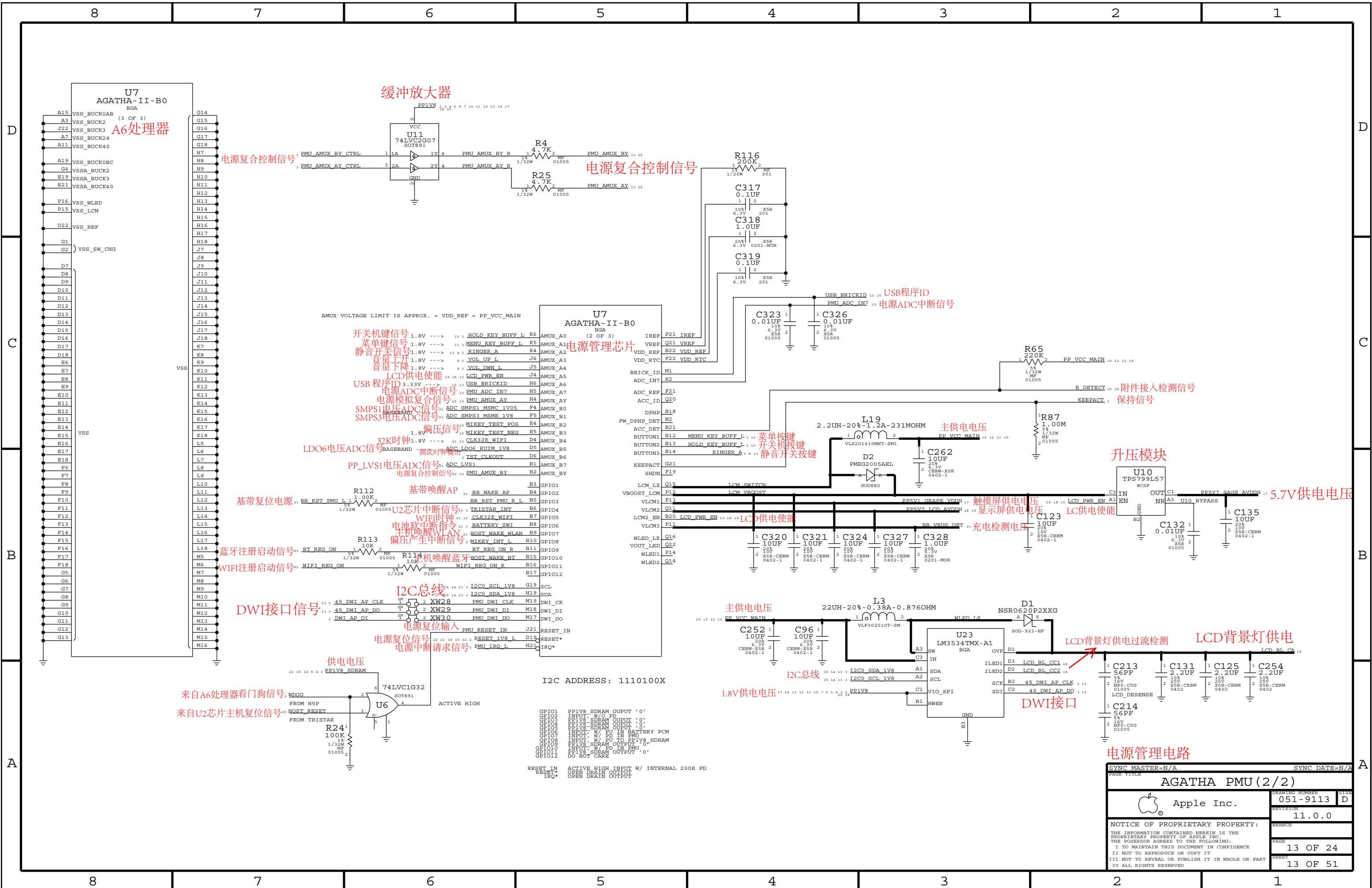
耳机送话器偏压中断信号


排线接口

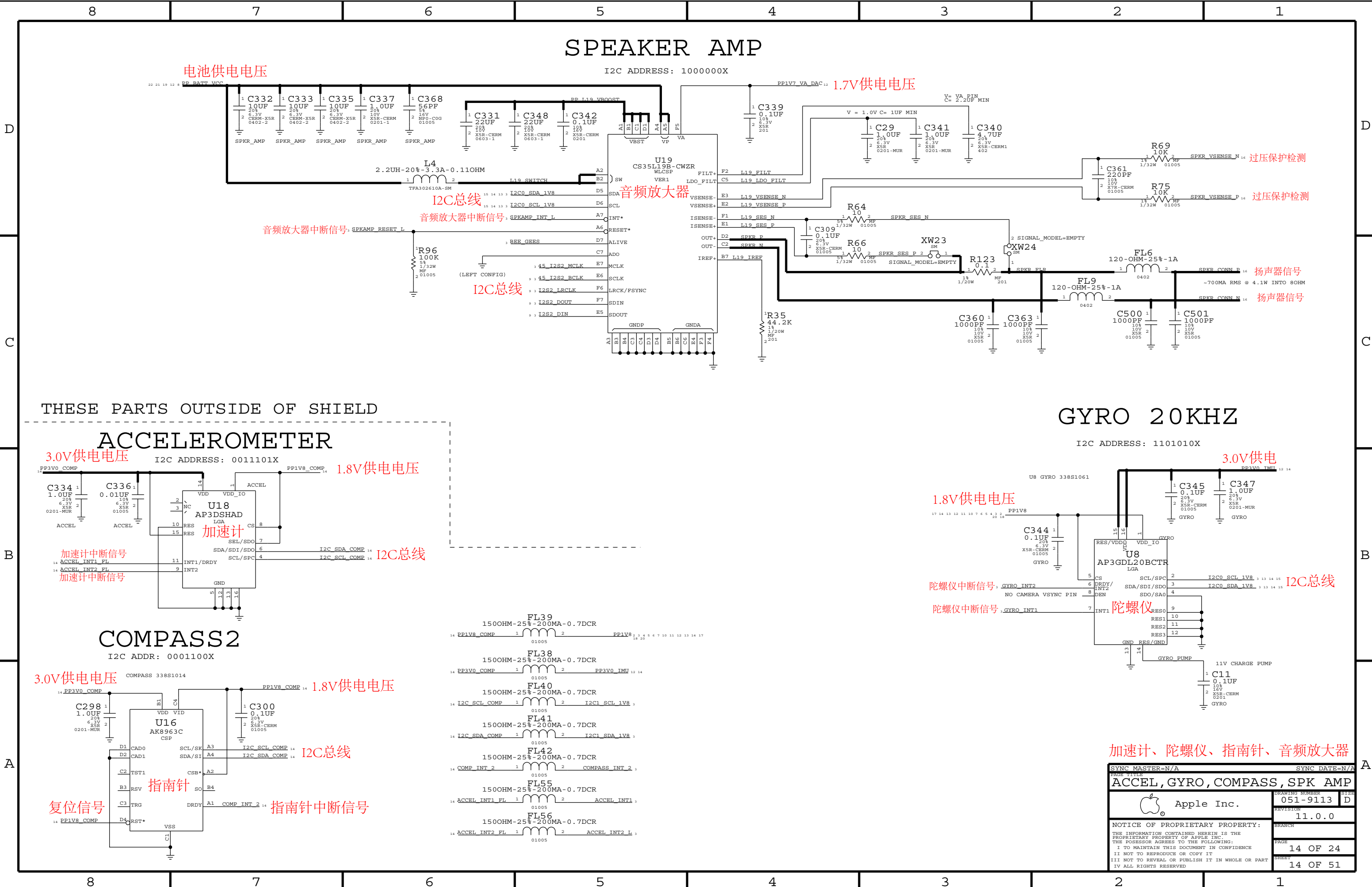
| | | | |
|---|----------------|---------------|-----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| CG FLEX CONNECTOR | | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 | SIZE D |
| | REVISION | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH | |
| | | PAGE | 11 OF 24 |
| | | SHEET | 11 OF 51 |



| | | | |
|---|------------|---------------|----------------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| AGATHA PMU (1/2) | | | |
|  | Apple Inc. | | DRAWING NUMBER |
| | | | 051-9113 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE I NOT TO REPRODUCE OR COPY IT I NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART I ALL RIGHTS RESERVED | | REVISION | 11.0.0 |
| | | BRANCH | |
| | | PAGE | 12 OF 24 |
| | | SHEET | 12 OF 51 |



| | | | |
|---|------------|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| AGATHA PMU (2/2) | | | |
|  | Apple Inc. | DRAWING NUMBER | 051-9113 |
| | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | PAGE | |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | 13 OF 24 | |
| II NOT TO REPRODUCE OR COPY IT | | SHEET | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | 13 OF 51 | |
| IV ALL RIGHTS RESERVED | | | |



SPEAKER AMP

I2C ADDRESS: 1000000X

电池供电电压

1.7V供电电压

I2C总线

音频放大器

音频放大器中断信号, SPKAMP RESET L

音频放大器中断信号, SPKAMP INT L

I2C总线

过压保护检测

过压保护检测

扬声器信号

扬声器信号

THESE PARTS OUTSIDE OF SHIELD

ACCELEROMETER

3.0V供电电压

I2C ADDRESS: 0011101X

1.8V供电电压

加速计

加速计中断信号

加速计中断信号

I2C总线

COMPASS2

I2C ADDR: 0001100X

3.0V供电电压

1.8V供电电压

指南针

复位信号

指南针中断信号

GYRO 20KHZ

I2C ADDRESS: 1101010X

3.0V供电


1.8V供电电压

陀螺仪

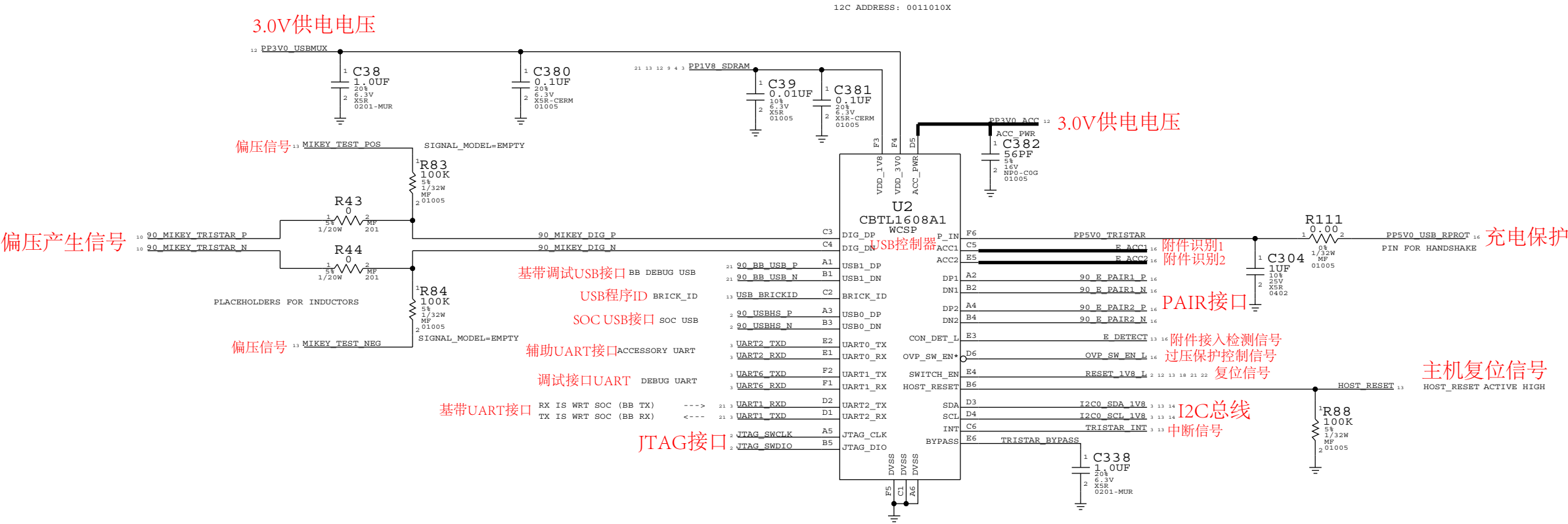
陀螺仪中断信号, GYRO INT2


陀螺仪中断信号, GYRO INT1

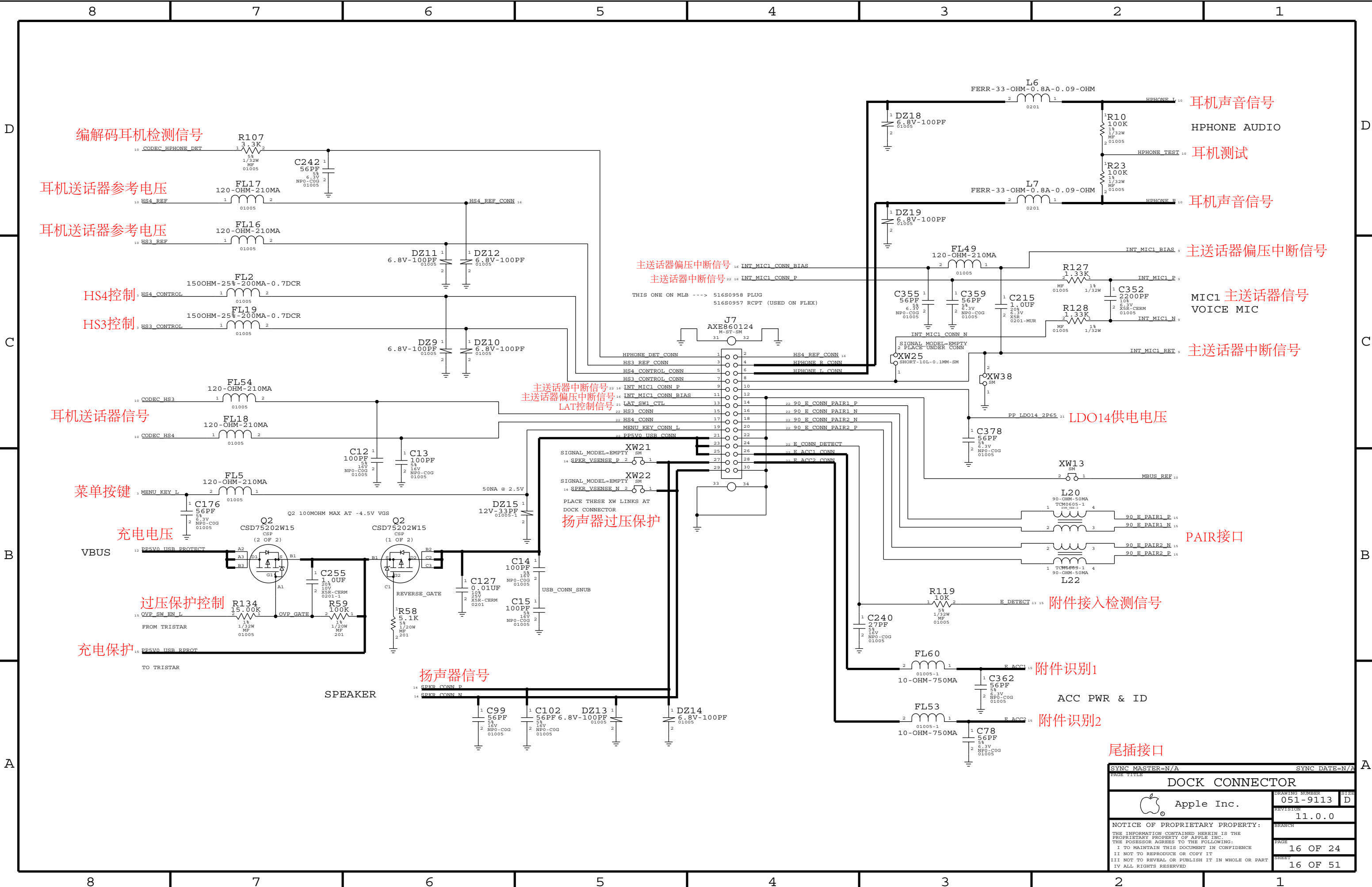
加速计、陀螺仪、指南针、音频放大器


| | | | |
|---|--|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | DRAWING NUMBER | |
| ACCEL, GYRO, COMPASS, SPK AMP | | 051-9113 | |
|  Apple Inc. | | REVISION | 11.0.0 |
| | | BRANCH | |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | PAGE | 14 OF 24 |
| | | SHEET | 14 OF 51 |
| | | | |

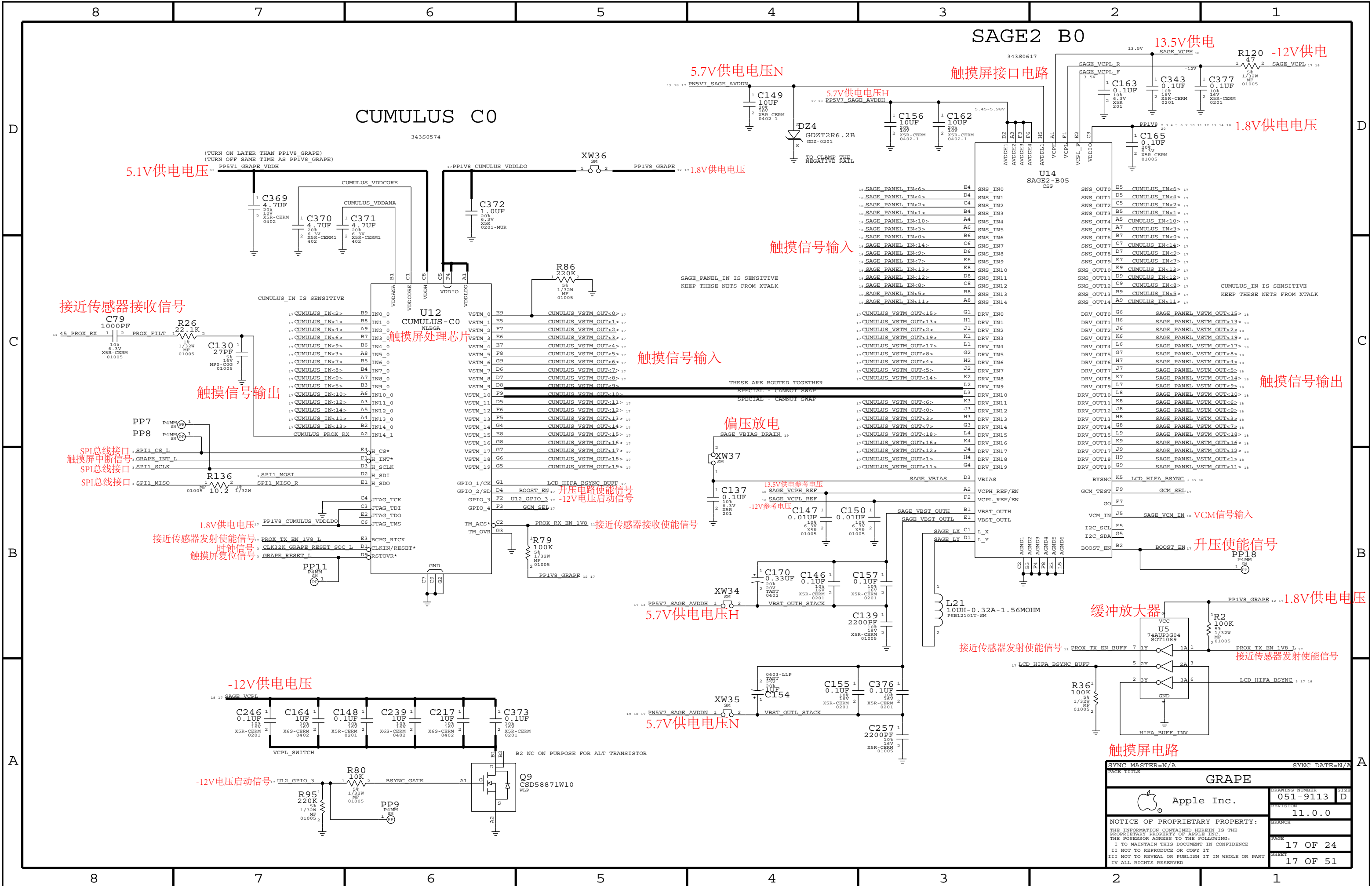
TRISTAR




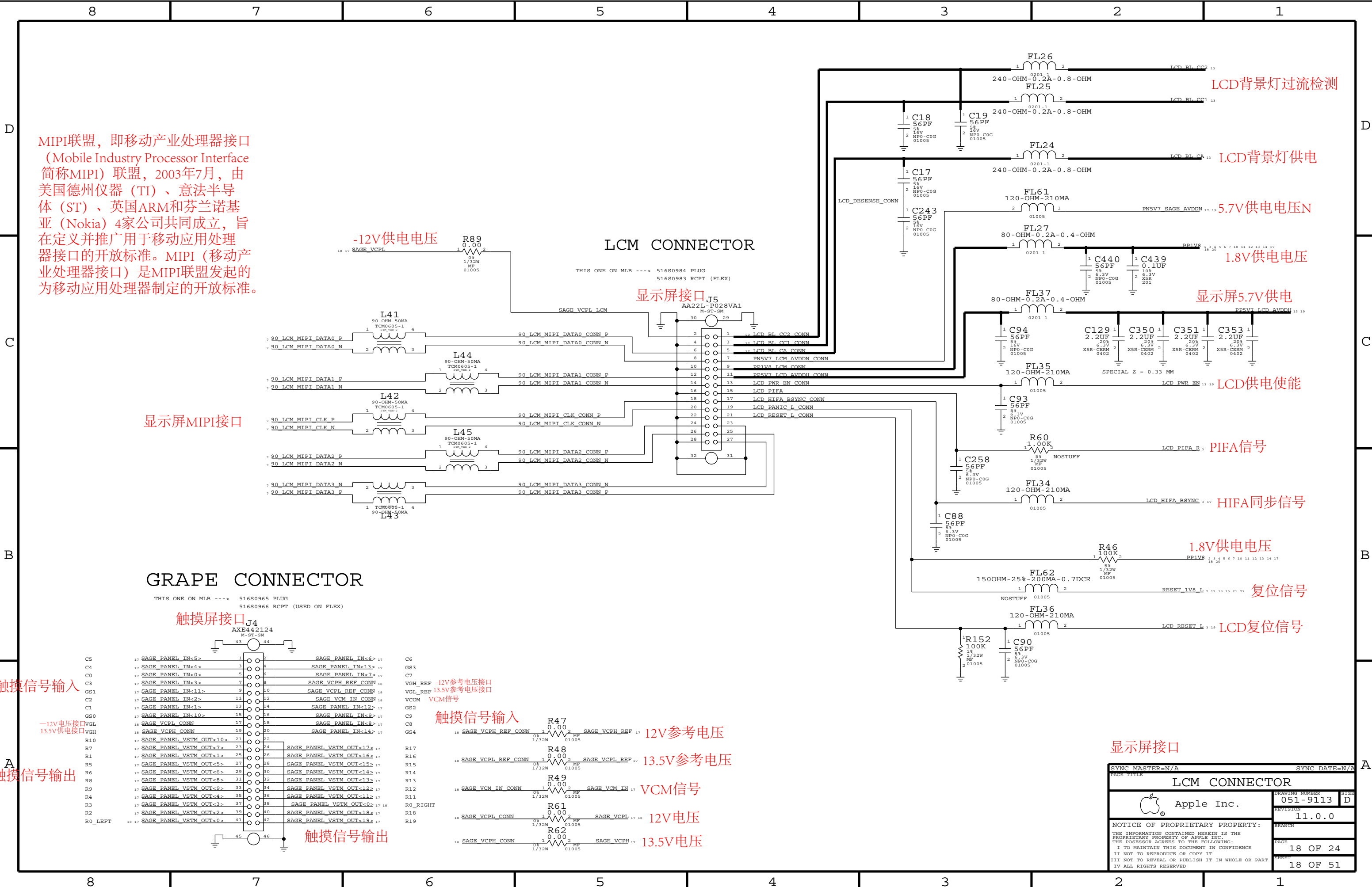
| | | | |
|---|--|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| TRISTAR | | | |
|  Apple Inc. | | DRAWING NUMBER | 051-9113 |
| | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH | |
| | | PAGE | 15 OF 24 |
| | | SHEET | 15 OF 51 |
| | | SIZE | D |



| | | | |
|---|----------------|---------------|-----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| DOCK CONNECTOR | | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 | SIZE D |
| | REVISION | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | PAGE | 16 OF 24 |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | SHEET | 16 OF 51 |
| II NOT TO REPRODUCE OR COPY IT | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | |
| IV ALL RIGHTS RESERVED | | | |



| | | | |
|---|--|----------------|----------|
| SYNC MASTER=N/A | | SYNC DATE=N/A | |
| PAGE TITLE | | | |
| GRAPE | | | |
|  Apple Inc. | | DRAWING NUMBER | 051-9113 |
| | | SIZE | D |
| | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | PAGE | 17 OF 24 |
| I I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | SHEET | 17 OF 51 |
| II NOT TO REPRODUCE OR COPY IT | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | |
| IV ALL RIGHTS RESERVED | | | |



MIPI联盟，即移动产业处理器接口（Mobile Industry Processor Interface 简称MIPI）联盟，2003年7月，由美国德州仪器（TI）、意法半导体（ST）、英国ARM和芬兰诺基亚（Nokia）4家公司共同成立，旨在定义并推广用于移动应用处理器接口的开放标准。MIPI（移动产业处理器接口）是MIPI联盟发起的为移动应用处理器制定的开放标准。

显示屏MIPI接口

GRAPE CONNECTOR

触摸屏接口

触摸信号输入

触摸信号输出

触摸信号输出

显示屏接口

显示屏接口

LCD背景灯过流检测

LCD背景灯供电

5.7V供电电压N

1.8V供电电压

显示屏5.7V供电

LCD供电使能

PIFA信号

HIFA同步信号

1.8V供电电压

复位信号

LCD复位信号

12V参考电压

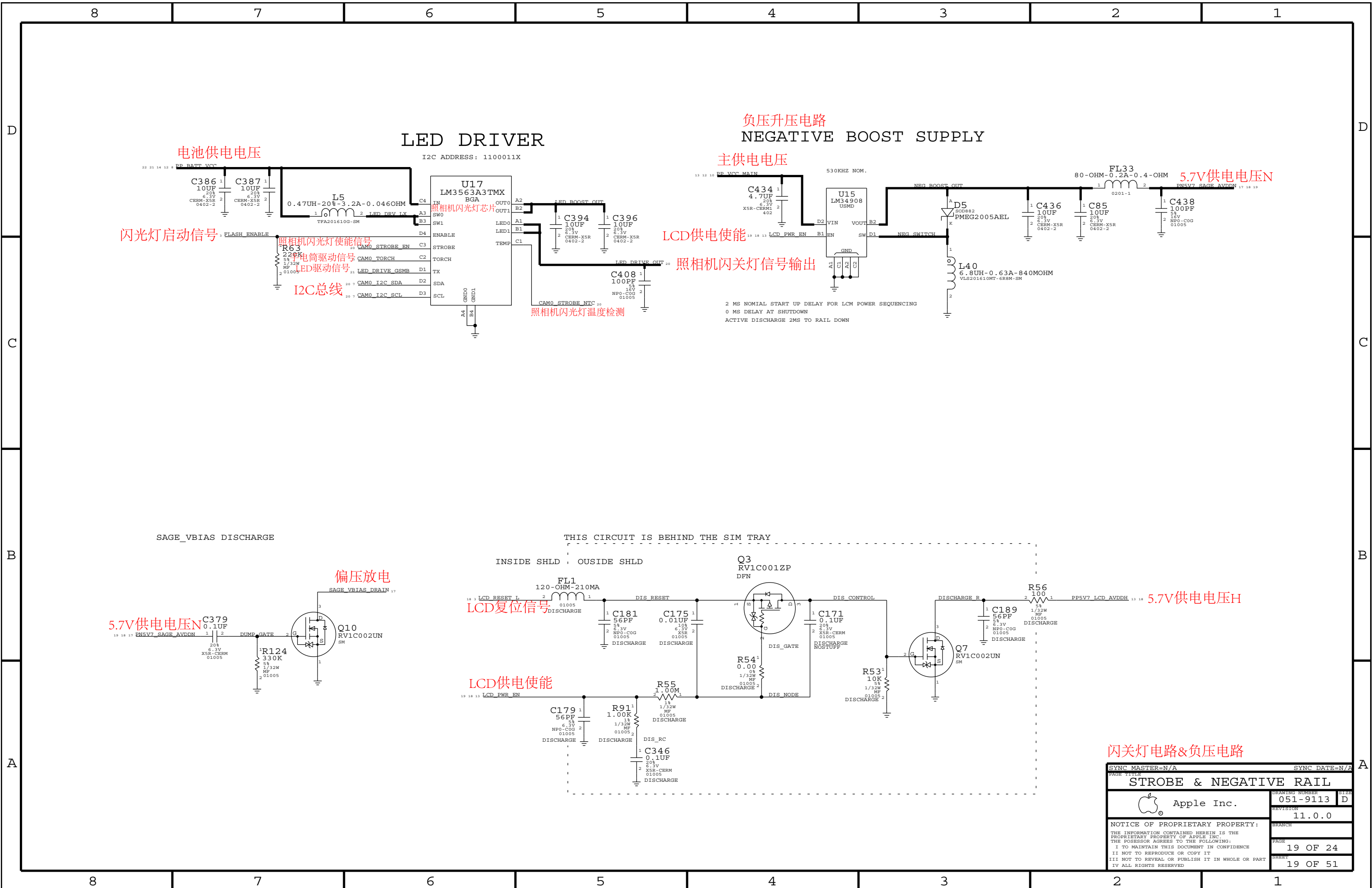
13.5V参考电压

VCM信号

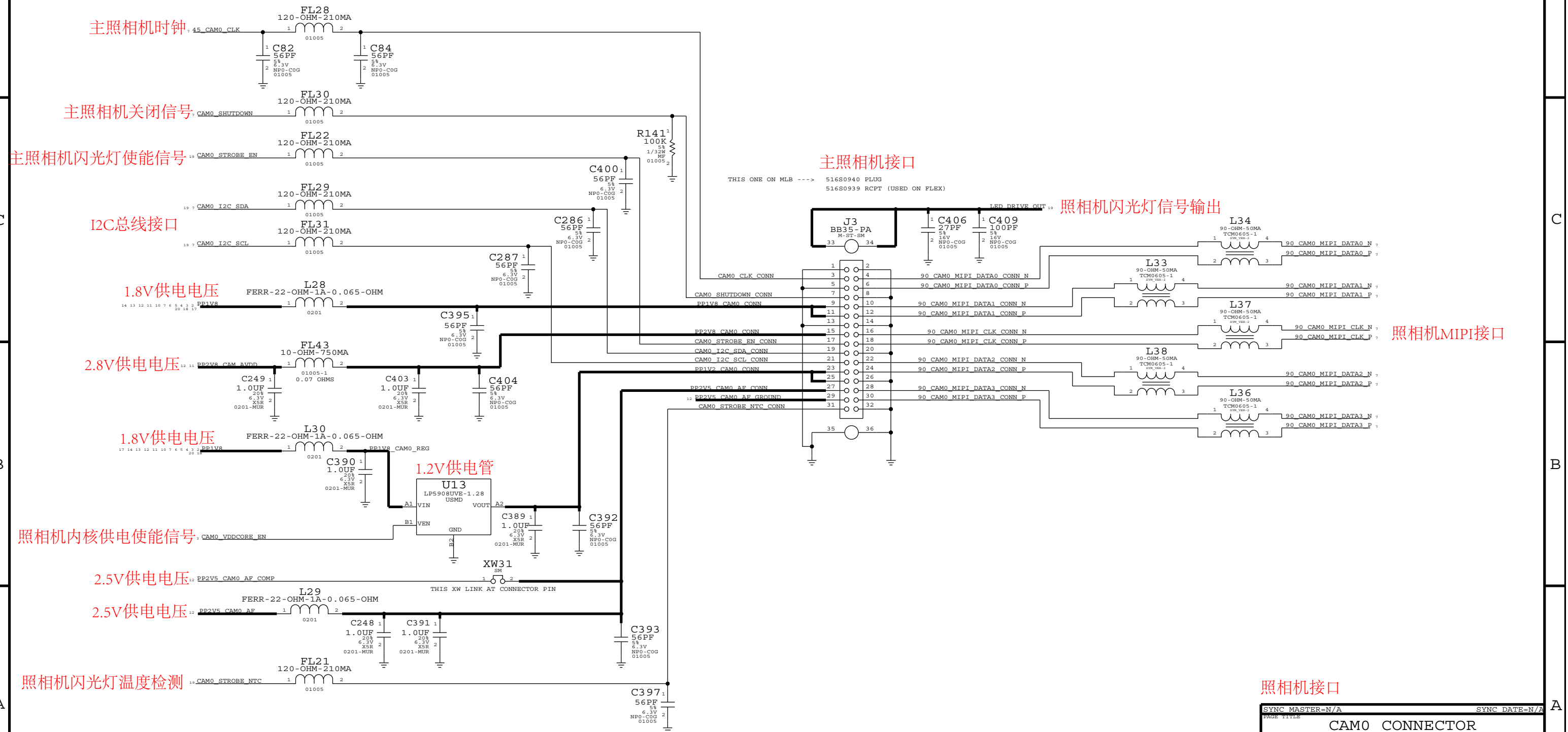
12V电压


13.5V电压

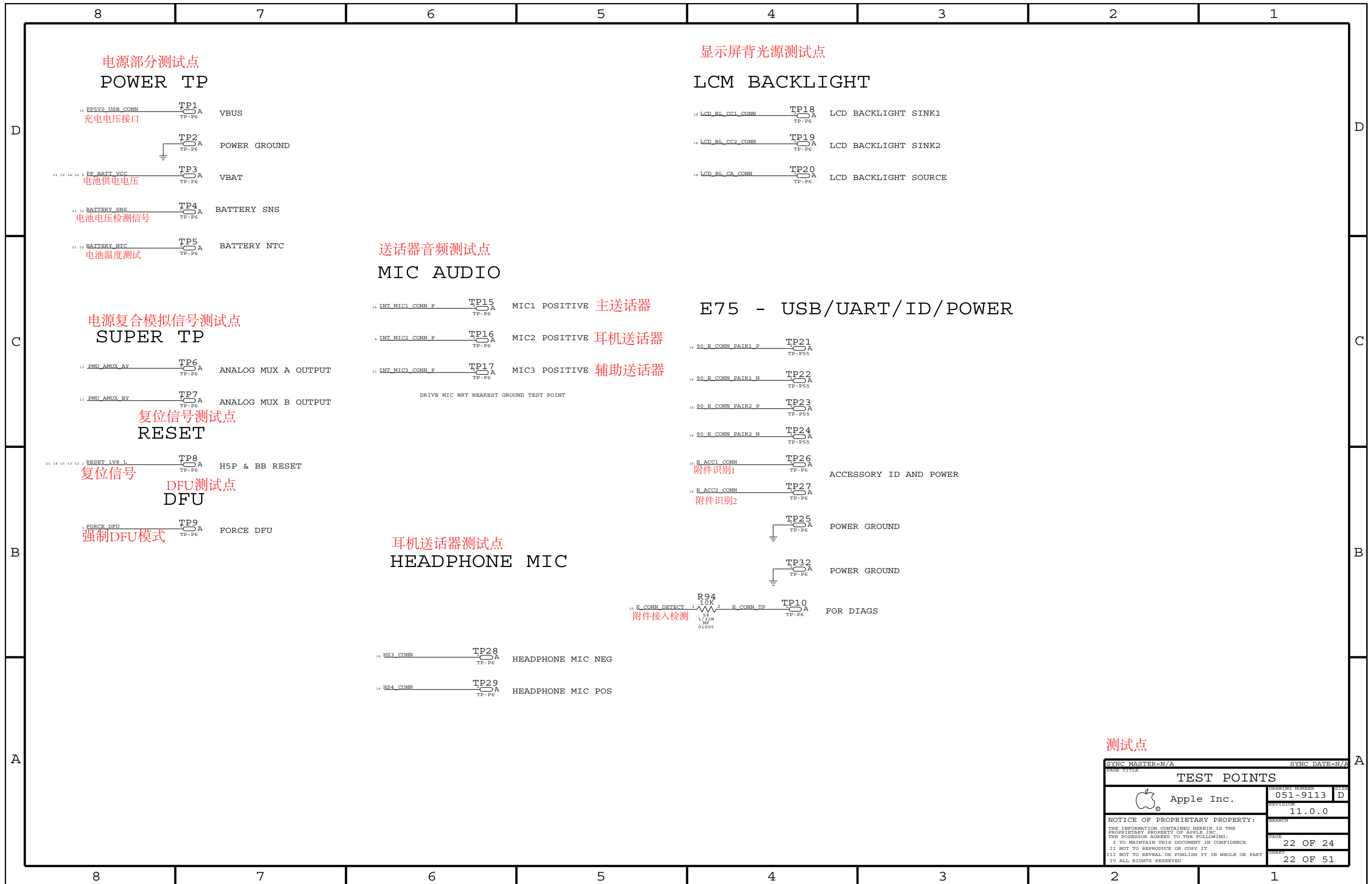
| | | | |
|---|--|----------------|----------|
| PAGE TITLE | | SYNC DATE=N/A | |
| LCM CONNECTOR | | DRAWING NUMBER | 051-9113 |
| Apple Inc. | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | PAGE | 18 OF 24 |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | SHEET | 18 OF 51 |
| II NOT TO REPRODUCE OR COPY IT | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | |
| IV ALL RIGHTS RESERVED | | | |



CAM0: MAIN CAMERA CONNECTOR



| | | | |
|--|--|----------------|------|
| SYNCH MASTER=N/A | | SYNCH DATE=N/A | |
| PAGE TITLE | | | |
| CAM0 CONNECTOR | | | |
|  Apple Inc. | | DRAWING NUMBER | SIZE |
| | | 051-9113 | D |
| | | REVISION | |
| | | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | BRANCH | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | PAGE | |
| | | 20 OF 24 | |
| | | SHEET | |
| | | 20 OF 51 | |



RADIO BOM OPTIONS

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

HW ID PA ID BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------|-------------------------|----------|------------|
| 118S0685 | 1 | PA_ID RES DIVIDER | R304_RF | Y | B4_17 |
| 118S0656 | 1 | PA_ID RES DIVIDER | R304_RF | Y | B3_13 |
| 118S0719 | 1 | PA_ID RES DIVIDER | R302_RF | Y | B4_17 |
| 118S0685 | 1 | PA_ID RES DIVIDER | R302_RF | Y | B3_13 |

SPI NOR BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|---------------------------|-------------------------|----------|------------|
| 335S0874 | 1 | SERIAL SPI NOR - MICRONIX | U601_RF | Y | B4_17 |
| 335S0874 | 1 | SERIAL SPI NOR - MICRONIX | U601_RF | Y | B3_13 |

B5/B5E BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|------------|
| 353S3415 | 1 | SKY77487 BAND 5/8 PAD | U1001_RF | Y | B4_17 |
| 353S3568 | 1 | SKY77491 BAND5E/8 PAD | U1001_RF | Y | B3_13 |
| 155S0552 | 1 | BAND5 TX SAW | FL1001_RF | Y | B4_17 |
| 155S0742 | 1 | BAND5/BC10 TX SAW | FL1001_RF | Y | B3_13 |
| 152S1563 | 1 | 1.5NH, INDUCTOR - MURATA | L1001_RF | Y | B4_17 |
| 152S1662 | 1 | 1.5NH, INDUCTOR - TDK | L1001_RF | Y | B3_13 |
| 152S1577 | 1 | 15NH, INDUCTOR - MURATA | L1002_RF | Y | B4_17 |
| 152S1665 | 1 | 15NH, INDUCTOR - TDK | L1002_RF | Y | B3_13 |
| 152S1576 | 1 | 12NH, INDUCTOR - MURATA | L1003_RF | Y | B4_17 |
| 152S1664 | 1 | 12NH, INDUCTOR - TDK | L1003_RF | Y | B3_13 |
| 152S1570 | 1 | 4.7NH, INDUCTOR - MURATA | L1010_RF | Y | B4_17 |
| 152S1663 | 1 | 4.7NH, INDUCTOR - TDK | L1010_RF | Y | B3_13 |

B13/17 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------|-------------------------|----------|------------|
| 152S1328 | 1 | 4.3NH INDUCTOR - 0201 | C1111_RF | Y | B4_17 |
| 152S1353 | 1 | 3.6NH INDUCTOR - 0201 | C1113_RF | Y | B3_13 |
| 131S0198 | 1 | 1.8PF CAPACITOR - 0201 | L1103_RF | Y | B4_17 |
| 118S0724 | 1 | 0 OHM JUMPER - 0201 | C1112_RF | Y | B4_17 |
| 131S0204 | 1 | 22PF CAPACITOR - 0201 | C1112_RF | Y | B3_13 |
| 118S0724 | 1 | 0 OHM JUMPER - 0201 | L1105_RF | Y | B4_17 |
| 152S1443 | 1 | 2.0NH INDUCTOR - 0201 | L1105_RF | Y | B3_13 |
| 152S1320 | 1 | 7.5NH INDUCTOR - 0201 | C1113_RF | Y | B4_17 |
| 131S0166 | 1 | 39PF CAPACITOR - 0201 | C1113_RF | Y | B3_13 |
| 131S0176 | 1 | 2.4PF CAPACITOR - 0201 | C1117_RF | Y | B4_17 |

DCDC BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------------|-------------------------|----------|------------|
| 152S1648 | 1 | POWER INDUCTOR - TAIYO YUDEN | L1201_RF | Y | B4_17 |
| 152S1648 | 1 | POWER INDUCTOR - TAIYO YUDEN | L1201_RF | Y | B3_13 |
| 152S1570 | 1 | 4.7NH, INDUCTOR - MURATA | L1205_RF | Y | B4_17 |
| 152S1663 | 1 | 4.7NH, INDUCTOR - TDK | L1205_RF | Y | B3_13 |

WIFI BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------------|-------------------------|----------|------------|
| 339S0171 | 1 | WIFI MODULE - MURATA | U1801_RF | Y | B4_17 |
| 339S0171 | 1 | WIFI MODULE - MURATA | U1801_RF | Y | B3_13 |

SINGING CAP BOM OPTIONS

NEED TO COPY FROM AP TABLE
WHEN STAN FINISHES

B13/17 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|------------|
| 155S0620 | 1 | BAND17 TX SAW | FL1101_RF | Y | B4_17 |
| 155S0619 | 1 | BAND13 TX SAW | FL1101_RF | Y | B3_13 |
| 353S3567 | 1 | BAND17 PAM - SKYWORKS | U1101_RF | Y | B4_17 |
| 353S3441 | 1 | BAND13 PAM - AVAGO | U1101_RF | Y | B3_13 |
| 155S0709 | 1 | BAND17 DUPLEXER - MURATA | U1102_RF | Y | B4_17 |
| 155S0738 | 1 | BAND13 DUPLEXER - EPCOS | U1102_RF | Y | B3_13 |
| 152S1336 | 1 | BAND17 INDUCTOR - 8.2NH | L1104_RF | Y | B4_17 |
| 152S1342 | 1 | BAND13 INDUCTOR - 15NH | L1104_RF | Y | B3_13 |
| 152S1577 | 1 | 15NH, INDUCTOR - MURATA | L1102_RF | Y | B4_17 |
| 152S1576 | 1 | 12NH, INDUCTOR - MURATA | L1102_RF | Y | B3_13 |

B2 PAD BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------|-------------------------|----------|------------|
| 353S3715 | 1 | TQM666084 B2 TQS PAD | U1501_RF | Y | B4_17 |
| 353S3459 | 1 | TQM666083 B2S TQS PAD | U1501_RF | Y | B3_13 |

DIVERISTY MODULE BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------------|-------------------------|----------|------------|
| 353S3516 | 1 | B17 MURATA DIVERSITY MODULE | U1601_RF | Y | B4_17 |
| 353S3562 | 1 | B13/BC10 DIVERSITY MODULE | U1601_RF | Y | B3_13 |

B3/DCS1800 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------|-------------------------|----------|------------|
| 155S0596 | 1 | DCS1800 RX FIL | FL1301_RF | Y | B4_17 |
| 155S0729 | 1 | BAND3 RX FIL | FL1301_RF | Y | B3_13 |
| 155S0695 | 1 | THRU LINE | FL1302_RF | Y | B4_17 |
| 155S0722 | 1 | BAND13 TX LPF | FL1302_RF | Y | B3_13 |
| 152S1656 | 1 | 3.0NH INDUCTOR | R1301_RF | Y | B3_13 |
| 117S0161 | 1 | 00HM RES | R1302_RF | Y | B4_17 |
| 118S0652 | 1 | 49.90HM RES | R1303_RF | Y | B3_13 |
| 118S0652 | 1 | 49.90HM RES | R1305_RF | Y | B4_17 |
| 152S1562 | 1 | 1.2NH INDUCTOR | L1304_RF | Y | B4_17 |
| 152S1720 | 1 | 1.8NH INDUCTOR | L1304_RF | Y | B3_13 |
| 152S1562 | 1 | 1.2NH INDUCTOR | L1305_RF | Y | B4_17 |
| 152S1720 | 1 | 1.8NH INDUCTOR | L1305_RF | Y | B3_13 |
| 152S1569 | 1 | 3.9NH INDUCTOR | L1301_RF | Y | B4_17 |
| 152S1570 | 1 | 4.7NH INDUCTOR | L1301_RF | Y | B3_13 |

B3/B4 RX BOM OPTIONS


| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------|-------------------------|----------|------------|
| 152S1570 | 1 | 4.7NH INDUCTOR - 01005 | C1414_RF | Y | B4_17 |
| 131S0375 | 1 | 1.0PF CAPACITOR - 01005 | C1415_RF | Y | B4_17 |
| 131S0375 | 1 | 1.0PF CAPACITOR - 01005 | C1420_RF | Y | B4_17 |
| 152S1570 | 1 | 4.7NH INDUCTOR - 01005 | L1416_RF | Y | B4_17 |
| 152S1571 | 1 | 5.6NH INDUCTOR - 01005 | C1414_RF | Y | B3_13 |
| 131S0377 | 1 | 1.2PF CAPACITOR - 01005 | C1415_RF | Y | B3_13 |
| 131S0377 | 1 | 1.2PF CAPACITOR - 01005 | C1420_RF | Y | B3_13 |
| 152S1571 | 1 | 5.6NH INDUCTOR - 01005 | L1416_RF | Y | B3_13 |
| 131S0219 | 1 | 10PF CAPACITOR - 01005 | L1420_RF | Y | B4_17 |
| 131S0219 | 1 | 10PF CAPACITOR - 01005 | L1421_RF | Y | B4_17 |
| 152S1562 | 1 | 1.2NH INDUCTOR - 01005 | L1420_RF | Y | B3_13 |
| 152S1562 | 1 | 1.2NH INDUCTOR - 01005 | L1421_RF | Y | B3_13 |
| 152S1328 | 1 | 4.3NH INDUCTOR - 0201 | R1402_RF | Y | B4_17 |
| 152S1688 | 1 | 3.5NH INDUCTOR - 0201 | C1416_RF | Y | B4_17 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | R1402_RF | Y | B3_13 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1416_RF | Y | B3_13 |

B3/B4 TX BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------|-------------------------|----------|------------|
| 131S0215 | 1 | 22PF CAPACITOR - 01005 | L1417_RF | Y | B4_17 |
| 152S1569 | 1 | 3.9NH INDUCTOR - 01005 | L1417_RF | Y | B3_13 |
| 131S0369 | 1 | 0.5PF CAPACITOR - 01005 | L1408_RF | Y | B3_13 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1425_RF | Y | B4_17 |
| 152S1705 | 1 | 2.7NH INDUCTOR - 0201 | L1419_RF | Y | B4_17 |
| 131S0551 | 1 | 1.2PF CAPACITOR - 0201 | L1415_RF | Y | B4_17 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1425_RF | Y | B3_13 |
| 152S1705 | 1 | 2.7NH INDUCTOR - 0201 | L1419_RF | Y | B3_13 |
| 131S0551 | 1 | 1.2PF CAPACITOR - 0201 | L1415_RF | Y | B3_13 |

B3/B4 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------|-------------------------|----------|------------|
| 353S3255 | 1 | B1/4 PAD - AVAGO | U1401_RF | Y | B4_17 |
| 353S3443 | 1 | B1/3 PAD - AVAGO | U1401_RF | Y | B3_13 |
| 155S0590 | 1 | B4 TX FIL | FL1402_RF | Y | B4_17 |
| 155S0712 | 1 | B3 TX FIL | FL1402_RF | Y | B3_13 |

| | | | |
|---|--|----------------|----------|
| PAGE TITLE | | | |
| ? | | | |
|  Apple Inc. | | DRAWING NUMBER | 051-9113 |
| | | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH | |
| | | PAGE | 23 OF 24 |
| | | SHEET | 23 OF 51 |

D

C

B

A

史蒂夫·乔布斯（1955-2011），
发明家、企业家、
美国苹果公司联合创始人、前行政总裁。
1976年乔布斯和朋友成立苹果电脑公司，
他陪伴了苹果公司数十年的起落与复兴，
先后领导和推出了麦金塔计算机、iMac、
iPod、iPhone等风靡全球亿万人的电子产品，
深刻地改变了现代通讯、娱乐乃至生活的方式。
2011年10月5日他因病逝世，享年56岁。
乔布斯是改变世界的天才，他凭敏锐的触觉
和过人的智慧，勇于变革，不断创新，引领
全球资讯科技和电子产品的潮流，把电脑和
电子产品变得简约化、平民化，让曾经是昂
贵稀罕的电子产品变为现代人生活的一部分。

I1

CREFRPT

8

7

6

5

4

3

2

1

D

C

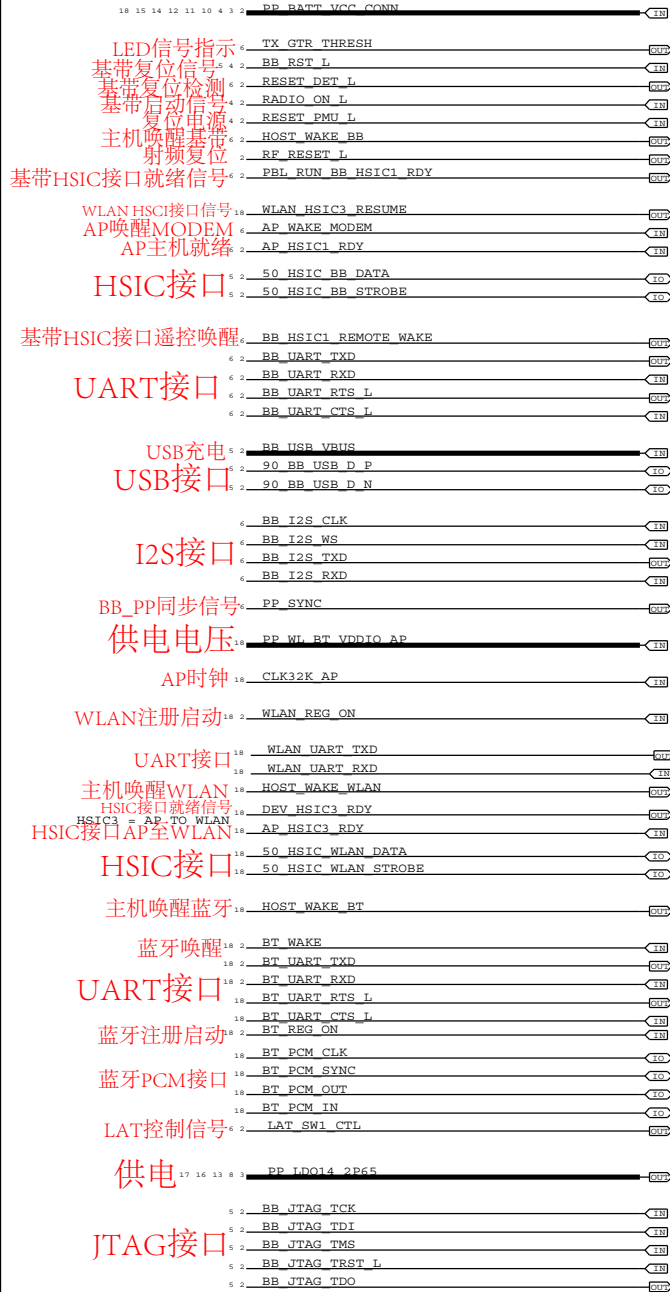
B

A

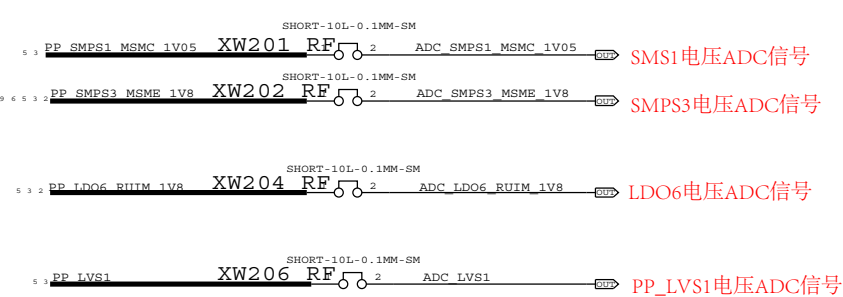
AP INTERFACE & DEBUG CONNECTOR

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

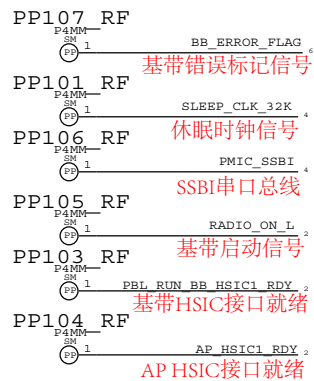
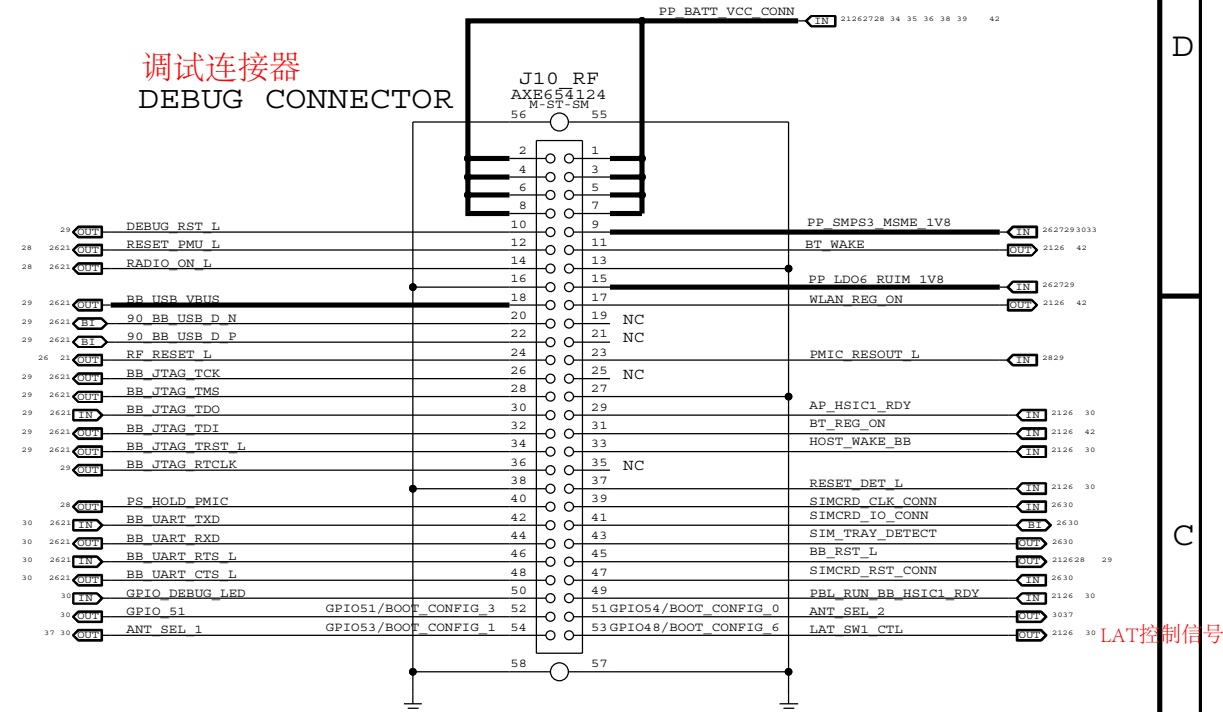
电池供电电压 AP CONNECTIONS



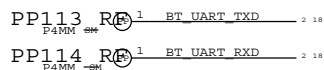
关键供电电压ADC检测信号



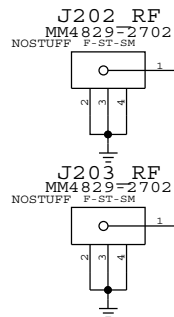
调试连接器 DEBUG CONNECTOR



UART测试点 UART



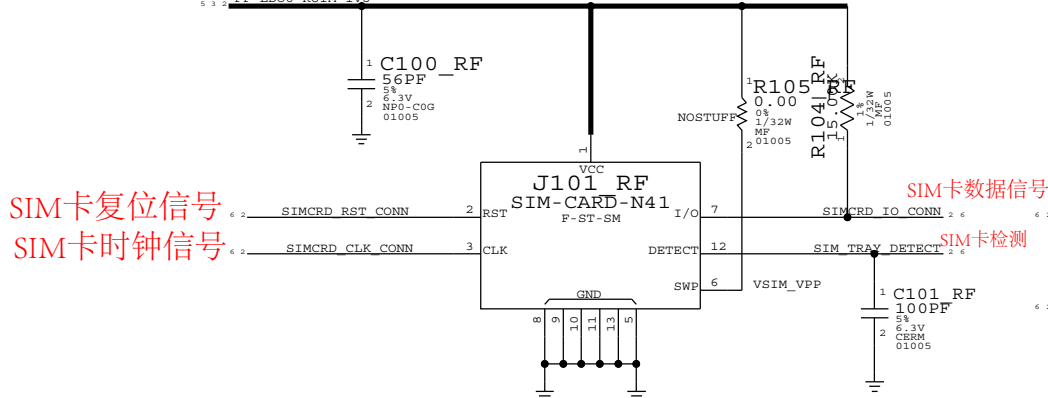
HSIC接口基带数据



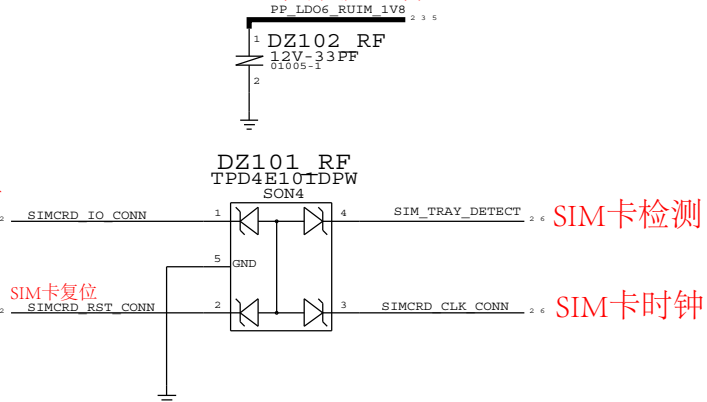
HSIC接口基带选通脉冲

| BOOT OPTIONS | BOOT_CONFIG SW REGISTER VALUE | GPIO/BOOT_CONFIG CONFIGURATION | | | | | | | |
|------------------------|-------------------------------------|--------------------------------|---|---|---|---|---|---|---|
| | | 6 | 5 | 4 | 3 | 2 | 1 | 0 | |
| BOOT_DEFAULT_OPTION | 0X00 | X | 0 | 0 | 0 | 0 | 0 | 0 | X |
| BOOT_NAND_OPTION | 0X01 | X | 1 | 0 | 0 | 0 | 0 | 1 | X |
| BOOT_HSIC_OPTION | 0X02 | X | 1 | 0 | 0 | 0 | 0 | 1 | X |
| BOOT_USB_OPTION | 0X03 | X | 1 | 0 | 0 | 0 | 0 | 1 | X |
| ENABLE_SAHARA_PROTOCOL | 0X08 | X | 1 | 0 | 0 | 1 | 0 | X | X |

SIM卡接口 SIM CARD CONNECTOR



SIM卡保护组件



系统&调试接口

R R105
C C101
XWXW206
DZDZ101
U U101


| PAGE TITLE | | |
|---|----------------|----------|
| SYSTEM & DEBUG CONNECTORS | | |
| Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | BRANCH | |
| | PAGE | 2 OF 19 |
| | SHEET | 26 OF 51 |

基带电源

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.



基带电源

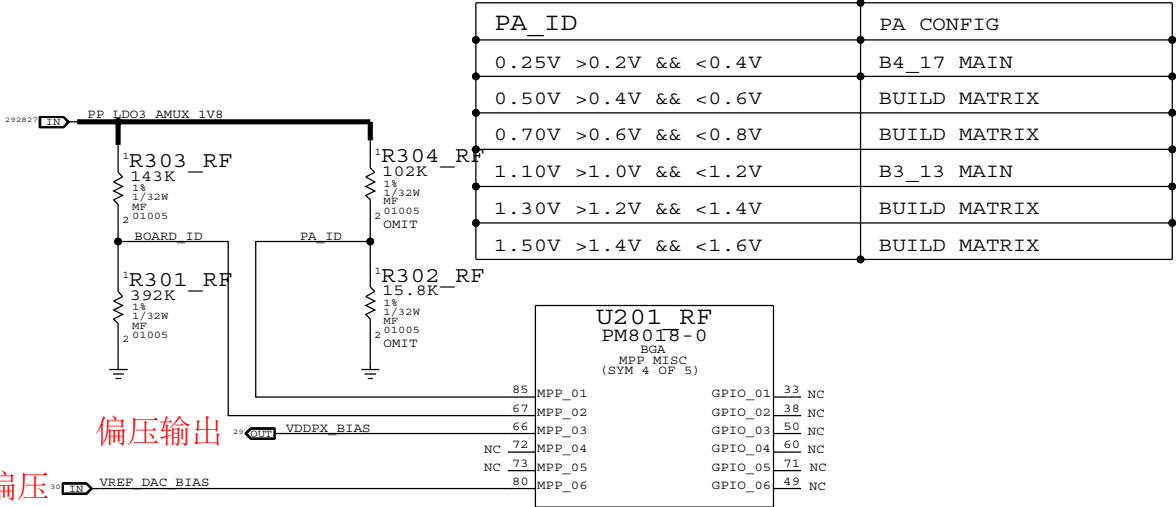
| | |
|---|------------|
| PAGE TITLE | |
| BASEBAND PMU (1 OF 2) | |
|  | Apple Inc. |
| NOTICE OF PROPRIETARY PROPERTY: | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. | |
| THE POSSESSOR AGREES TO THE FOLLOWING: | |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | |
| I NOT TO REPRODUCE OR COPY IT | |
| I NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | |
| I V ALL RIGHTS RESERVED | |
| DRAWING NUMBER | SIZE |
| 051-9113 | D |
| REVISION | |
| 11.0.0 | |
| BRANCH | |
| PAGE | |
| 3 OF 19 | |
| SHEET | |
| 27 OF 51 | |

BASEBAND PMU (2 OF 2)

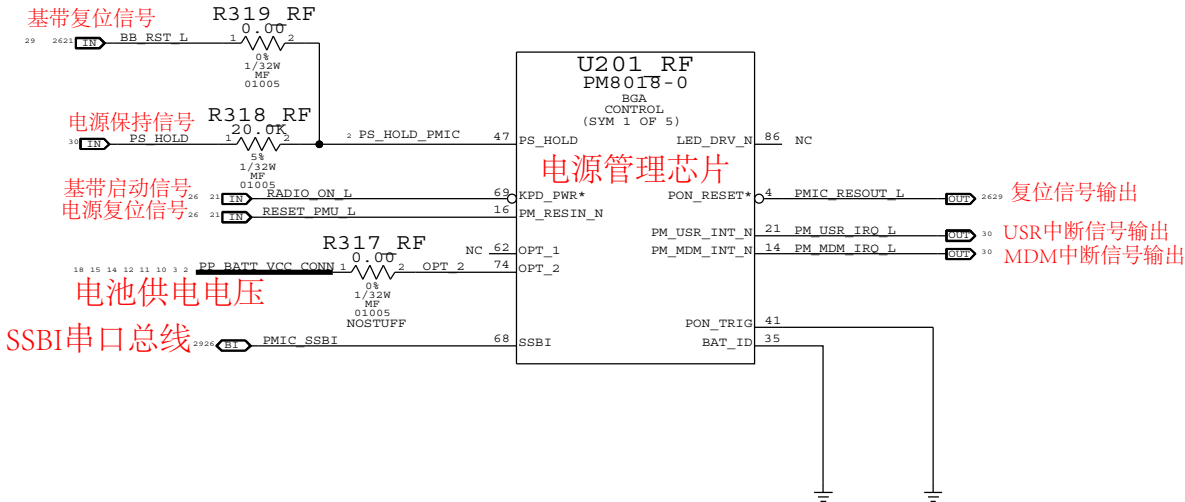
CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

基带电源

| BOARD_ID | REVISION |
|------------------------|----------|
| 0.25V : >0.2V && <0.4V | PROTO1 |
| 0.50V : >0.4V && <0.6V | PROTO2 |
| 0.70V : >0.6V && <0.8V | PROTO3 |
| 0.90V : >0.8V && <1.0V | EVT1 |
| 1.10V : >1.0V && <1.2V | EVT2 |
| 1.30V : >1.2V && <1.4V | EVT3 |



DAC参考偏压



基带复位信号

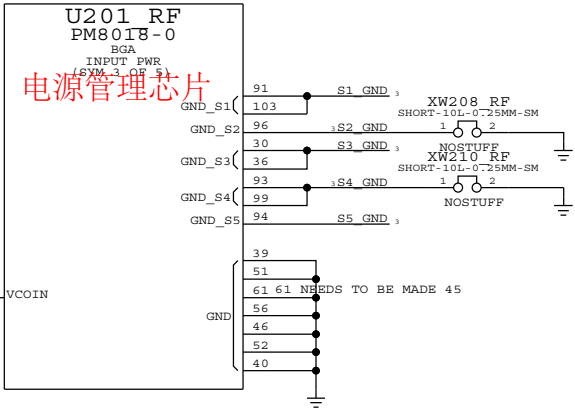
电源保持信号

基带启动信号

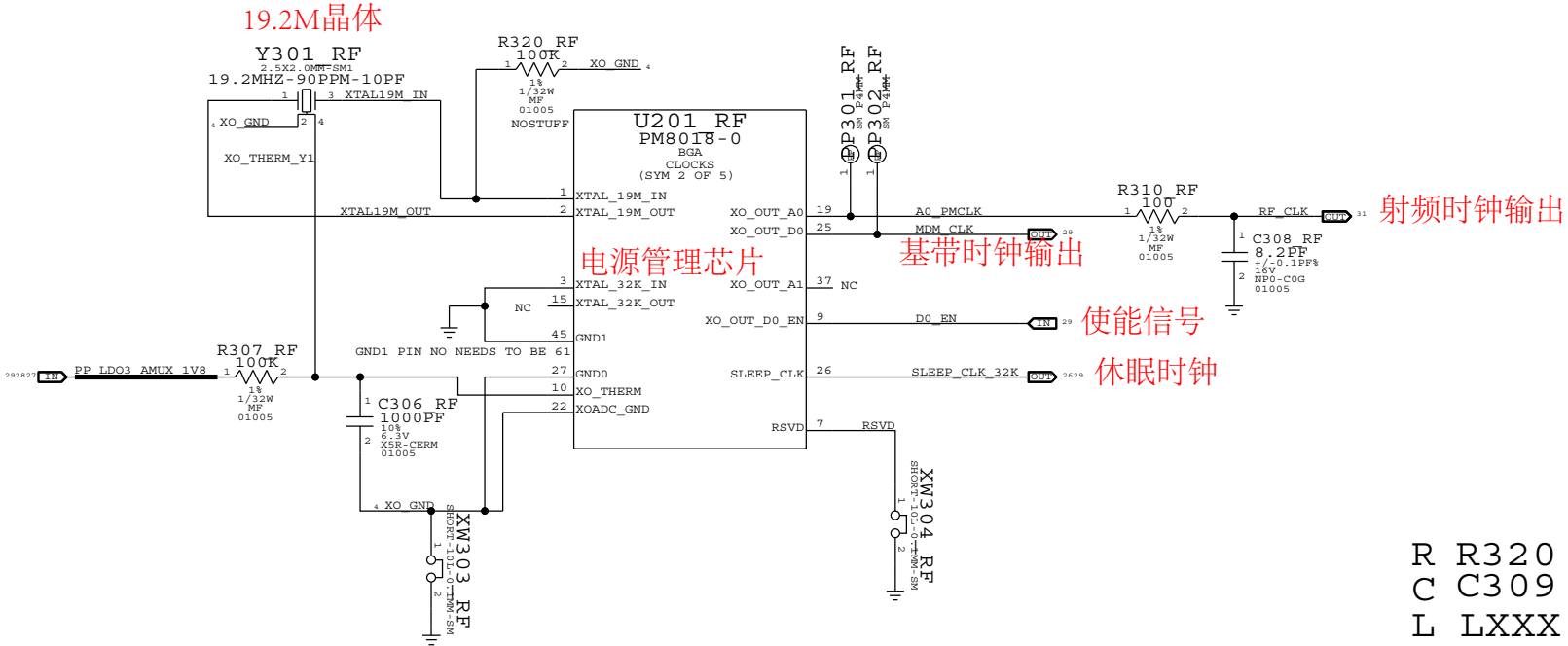
电源复位信号

电池供电电压

SSBI串口总线



电源管理芯片



19.2M晶体

电源管理芯片

基带时钟输出


射频时钟输出

使能信号

休眠时钟

R R320
C C309
L LXXX
U U301
XW XW305

基带电源

| PAGE TITLE | | |
|---|----------------|----------------|
| BASEBAND PMU (2 OF 2) | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH |
| | | PAGE 4 OF 19 |
| | | SHEET 28 OF 51 |

BASEBAND (1 OF 2)

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST

基带内核供电滤波电容
失容会引起三无*

U501_RF
MDM9615
BGA
(6 OF 6)
基带处理器

U501_RF
MDM9615
BGA
(2 OF 6)
基带处理器

R608_RF
1/32W
MF 01005

供电电压

基带处理器

供电电压

供电电压

基带JTAG接口

射频核心供电电压

MDM时钟
时钟使能信号-
SSBI串口总线

基带USB接口

外接基准电阻

基带处理器

基带JTAG接口

HSIC关键电阻

基带HSIC接口

R R502
C C528
L LXXX
U U501

基带处理器

BASEBAND (1 OF 2)



Apple Inc.

DRAWING NUMBER
051-9113

SIZE
D

REVISION
11.0.0

NOTICE OF PROPRIETARY PROPERTY:

THE INFORMATION CONTAINED HEREIN IS THE
PROPRIETARY PROPERTY OF APPLE INC.
THE POSSESSOR AGREES TO THE FOLLOWING:
I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE
II NOT TO REPRODUCE OR COPY IT
III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART
IV ALL RIGHTS RESERVED

BRANCH

PAGE
5 OF 19

SHEET
29 OF 51

BASEBAND (2 OF 2)

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

PRX基带I/Q信号

DRX基带I/Q信号

GPS基带I/Q信号

SPI串行接口

基带处理器

DAC参考偏压

发射基带I/Q信号

发射DAC参考电压

SPI2总线接口

SPI1总线接口

基带UART接口

基带错误标记信号
调试LED灯
AP唤醒MODEM

基带I2S接口

复位检测-
GSM功放低频段使能信号
GSM功放高频段使能信号

频段1、4功放启动
频段2功放启动
频段5功放启动
频段13功放启动
频段8功放启动

SPI串行接口

基带串行存储器

基带处理器


基带HSIC接口遥控唤醒

BB_PP同步信号
主机唤醒基带

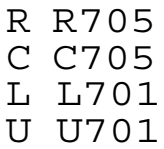
低通滤波器电路


基带电路

R R608
C C609
L L601

| PAGE TITLE | | |
|---|----------------|----------------|
| MOBILE DATA MODEM (2 OF 2) | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH |
| | | PAGE 6 OF 19 |
| | | SHEET 30 OF 51 |

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.
射频收发器



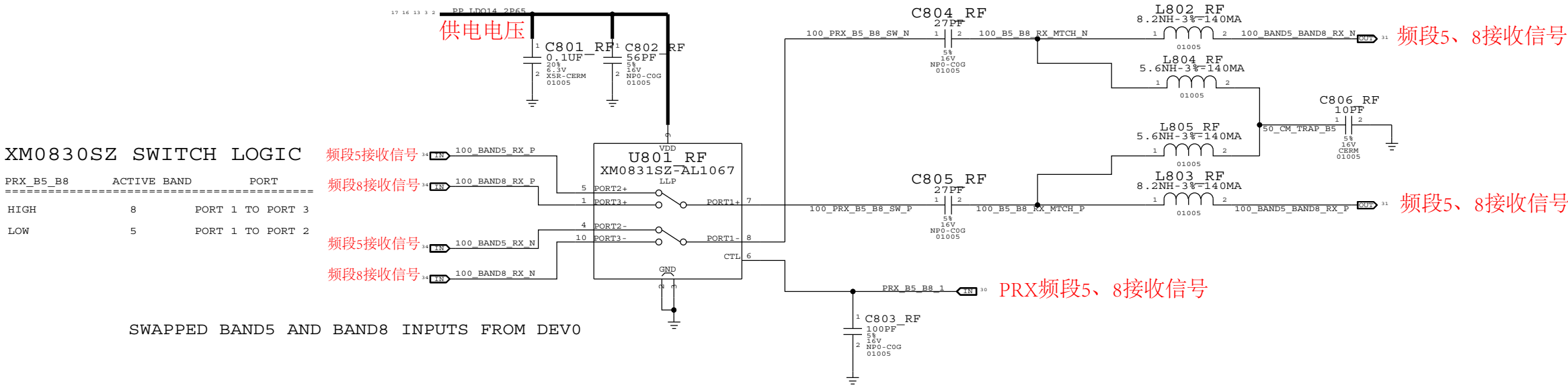
| | | | | | |
|---|--|----------------|--|----------|--|
| PAGE TITLE | | DRAWING NUMBER | | SIZE | |
| RF TRANSCEIVER (1 OF 3) | | 051-9113 | | D | |
|  Apple Inc. | | REVISION | | | |
| | | 11.0.0 | | | |
| NOTICE OF PROPRIETARY PROPERTY: | | | | | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: | | | | | |
| I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE | | | | | |
| II NOT TO REPRODUCE OR COPY IT | | | | | |
| III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART | | | | | |
| IV ALL RIGHTS RESERVED | | | | | |
| | | BRANCH | | | |
| | | PAGE | | 7 OF 19 | |
| | | SHEET | | 31 OF 51 | |

RF TRANSCEIVER SWITCHING NETWORKS (2 OF 3)

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.


射频收发器

BAND 5/BAND 8 PRX TRANSCEIVER SWITCH



R RXXX
C C806
L L803
U U801

射频处理器

| PAGE TITLE | | |
|---|----------------|----------|
| RF TRANSCEIVER (2 OF 3) | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | BRANCH | |
| | PAGE | 8 OF 19 |
| | SHEET | 32 OF 51 |

RF TRANSCEIVER DECOUPLING (3 OF 3)

射频核心供电电压

PRX 低噪声供电

DRX低噪声供电

GPS低噪声供电

射频核心供电电压

发射一本振供电

发射VCO供电


接收PLL电路供电

GPS PLL电路供电

发射PLL电路供电

射频收发器

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

| RF TRANSCEIVER (3 OF 3) | | |
|---|----------------|----------|
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| | BRANCH | |
| | PAGE | 9 OF 19 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | |
| SHEET 33 OF 51 | | |

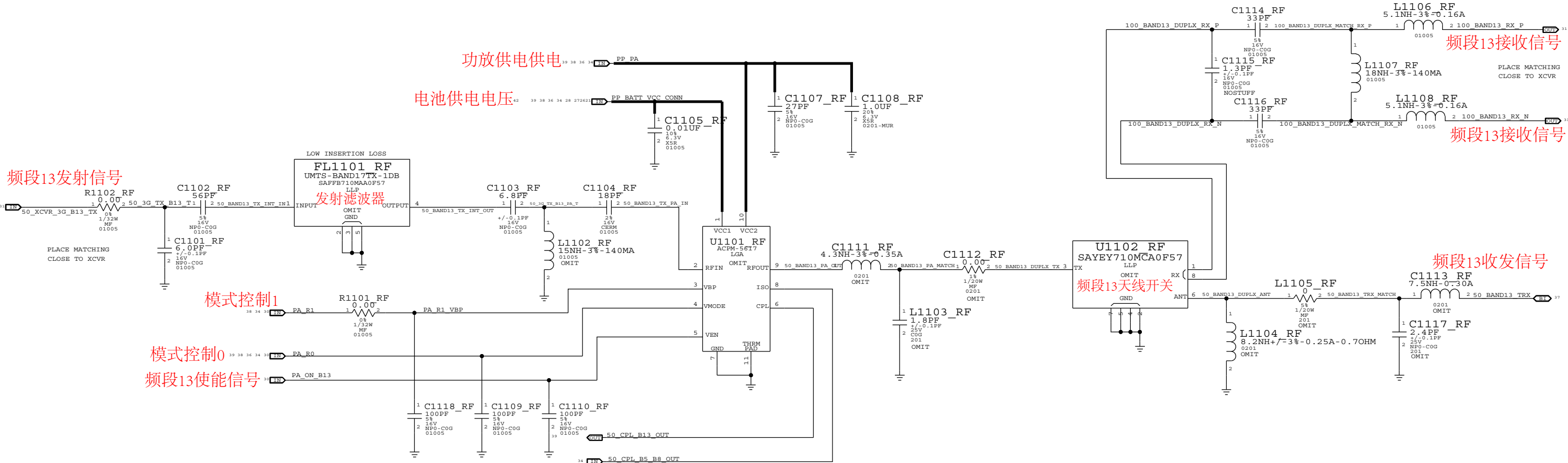
R R912
C C944
L L924
XW XW906

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.



B13/17 INTERSTAGE, PA, AND DUPLER

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.




PA POWER MODES

| MODE | PA_R0 | PA_R1 |
|--------|-------|-------|
| LOW | HIGH | HIGH |
| MEDIUM | LOW | HIGH |
| HIGH | LOW | LOW |

FLFL1101
R R1102
C C1118
L L1108
U U1102

频段13功放电路

| BAND 13 PA | | |
|---|----------------|----------|
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | |
| PAGE | | 11 OF 19 |
| SHEET | | 35 OF 51 |

2G PA, PA DC/DC CONVERTER

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

2G PA GAIN MODES

| BAND | MODE | GAIN MODE | PA_R1 | PCL_RANGE |
|-----------|------|-----------|-------|-----------|
| LOW BAND | GSM | ULTRA LOW | HIGH | 16 TO 19 |
| LOW BAND | GSM | LOW | HIGH | 14 TO 15 |
| LOW BAND | GSM | MEDIUM | LOW | 7 TO 13 |
| LOW BAND | GSM | HIGH | LOW | 5 TO 6 |
| HIGH BAND | GSM | ULTRA LOW | HIGH | 10 TO 15 |
| HIGH BAND | GSM | LOW | HIGH | 7 TO 9 |
| HIGH BAND | GSM | HIGH | LOW | 0 TO 6 |
| LOW BAND | EDGE | LOW | HIGH | 15 TO 19 |
| LOW BAND | EDGE | MEDIUM | LOW | 10 TO 14 |
| LOW BAND | EDGE | HIGH | LOW | 8 TO 9 |
| HIGH BAND | EDGE | LOW | HIGH | 9 TO 15 |
| HIGH BAND | EDGE | HIGH | LOW | 2 TO 8 |

电池供电电压

直流变换调整

直流变换使能

直流变化模式控制

直流变换器

功放供电电压

2G高频段发射信号

2G低频段发射信号


模式控制0
GSM低频段使能
GSM高频段使能

2G功率放大器

高频段发射信号

低频段发射信号

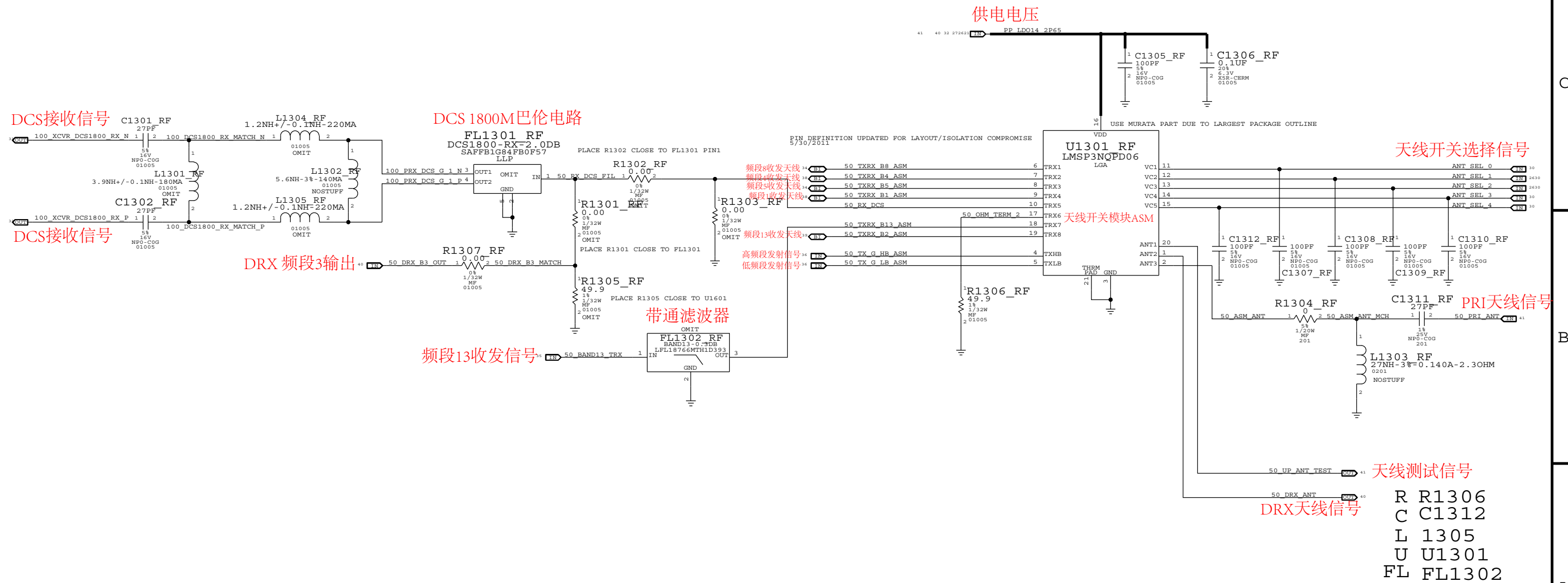
R R1209
C C1220
L L1207
U U1202


| PAGE TITLE | | |
|---|----------------|----------|
| 2G PA, DCDC CONVERTER | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | BRANCH | |
| | PAGE | 12 OF 19 |
| | SHEET | 36 OF 51 |

ASM, DCS RX

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

天线开关模块, DCS接收电路

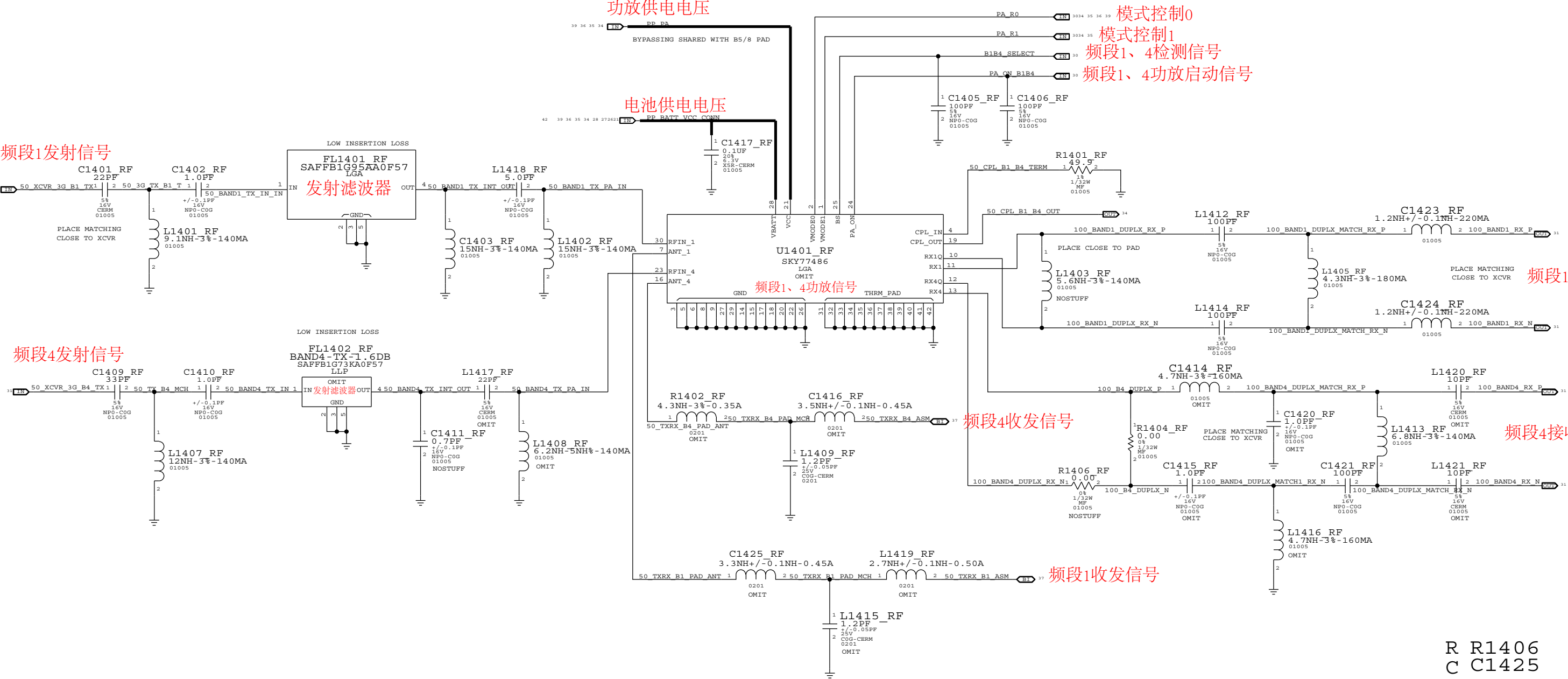


| | | | |
|--|----------------|-------------|------|
| PAGE TITLE | | DCS RX, ASM | |
|  Apple Inc. | DRAWING NUMBER | | SIZE |
| | 051-9113 | | D |
| | | REVISION | |
| | | 11.0.0 | |
| NOTICE OF PROPRIETARY PROPERTY: | | | |
| THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE I NOT TO REPRODUCE OR COPY IT I NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART I ALL RIGHTS RESERVED | | | |
| | | BRANCH | |
| | | PAGE | |
| | | 13 OF 19 | |
| | | SHEET | |
| | | 37 OF 51 | |


BAND 1/4 PAD

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

频段1、4功放电路



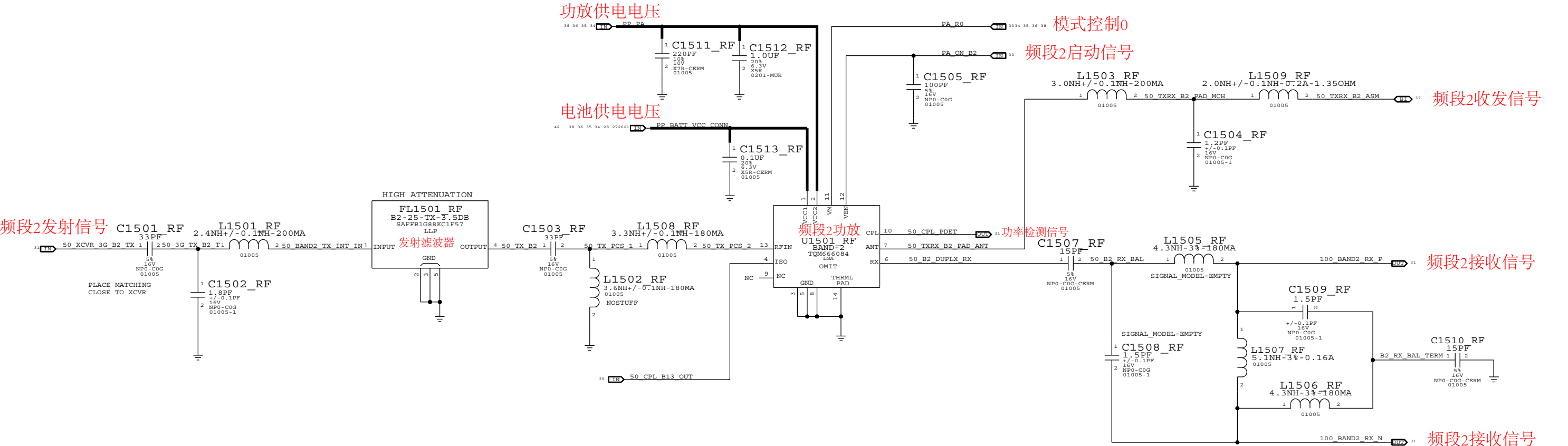
R R1406
C C1425
L L1422
U U1401
FL FL1101

| | | |
|---|----------------|----------|
| PAGE TITLE | | |
| BAND 1/4 PAD | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH |
| | | PAGE |
| | | 14 OF 19 |
| | | SHEET |
| | | 38 OF 51 |

BAND2 PAD


CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

频段2功放电路



R R1501
C C1513
L L1509
U U1501
FL FL1501

频段2功放电路

| PAGE TITLE | | |
|---|----------------|----------|
| BAND2 PAD | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | BRANCH | |
| | PAGE | 15 OF 19 |
| | SHEET | 39 OF 51 |

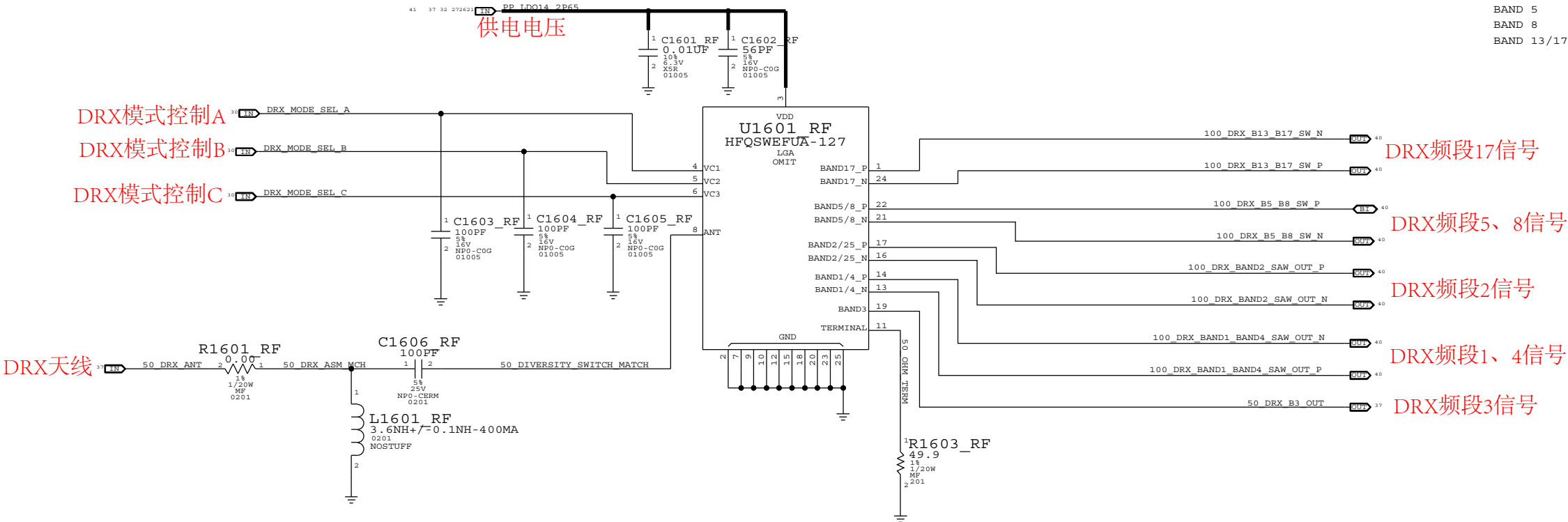
RX DIVERSITY

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

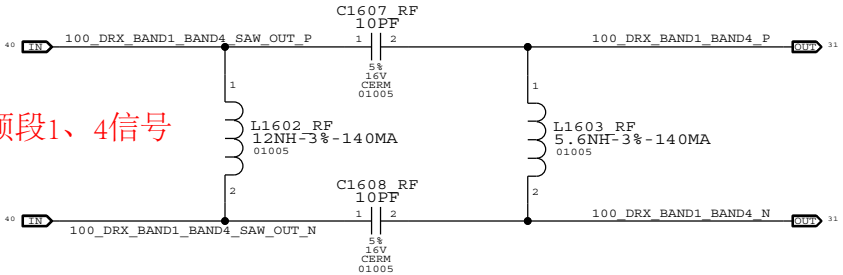
接收分集电路

DIVERSITY MODULE LOGIC

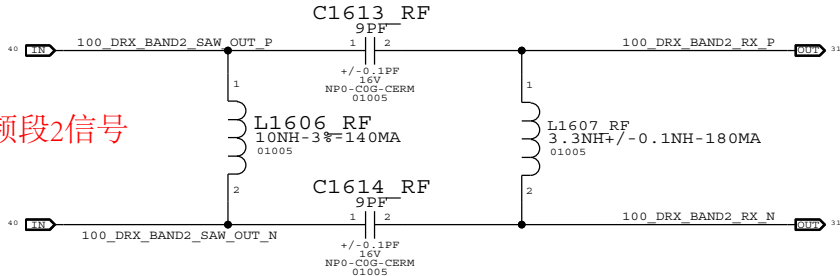
| BAND | VC1 | VC2 | VC3 |
|------------|-----|-----|-----|
| ===== | | | |
| BAND 1/4 | | | |
| BAND 2 | | | |
| BAND 5 | | | |
| BAND 8 | | | |
| BAND 13/17 | | | |



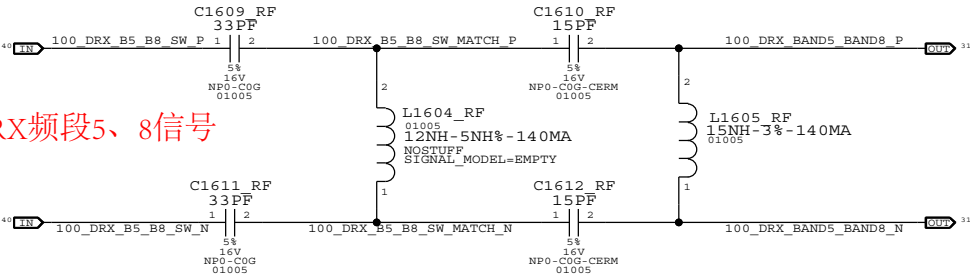
DRX频段1、4信号



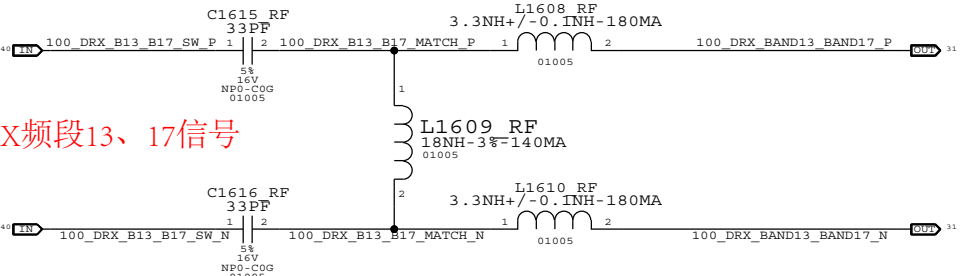
DRX频段2信号



DRX频段5、8信号




DRX频段13、17信号



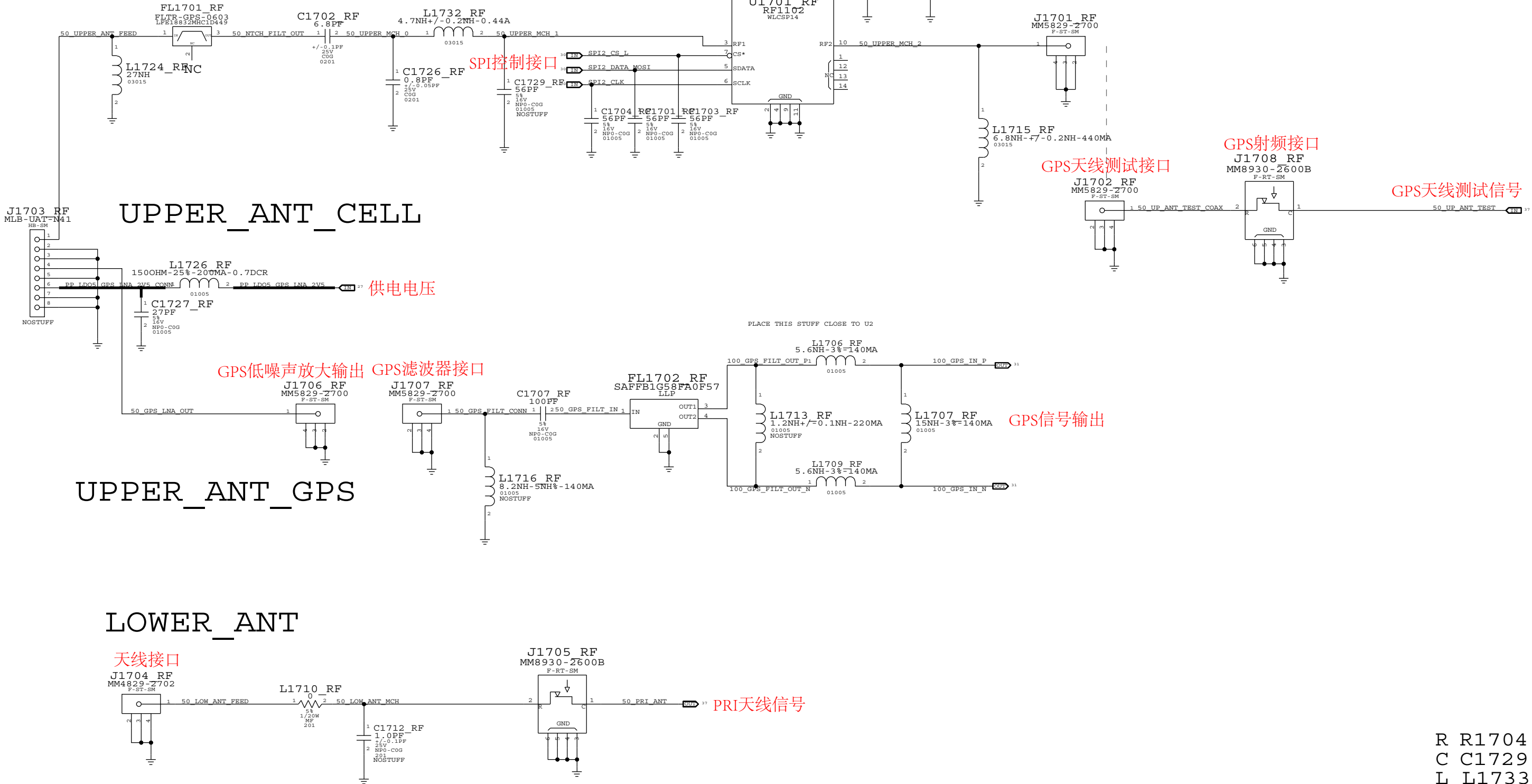
R.R1603
C C1616
L L1610
U U1601

接收分集电路


| PAGE TITLE | | |
|---|----------------|----------|
| RX DIVERSITY | | |
|  Apple Inc. | DRAWING NUMBER | 051-9113 |
| | REVISION | 11.0.0 |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | BRANCH |
| | | PAGE |
| | | 16 OF 19 |
| | | SHEET |
| | | 40 OF 51 |

GPS

GPS电路

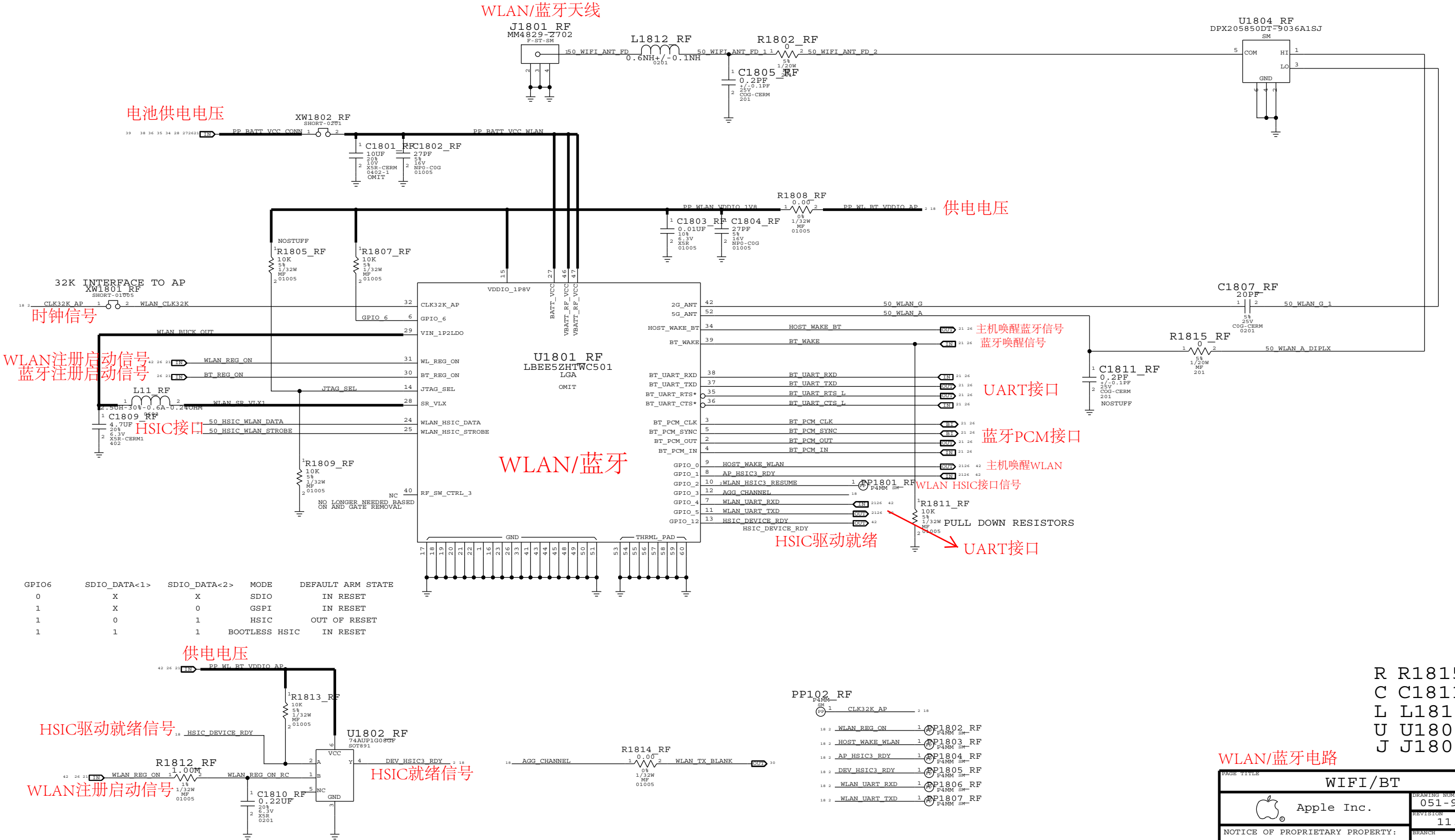


R R1704
C C1729
L L1733
U U1703

| GPS | | | |
|---|----------------|----------|-----------|
|  Apple Inc. | DRAWING NUMBER | 051-9113 | SIZE D |
| | REVISION | 11.0.0 | |
| | BRANCH | | |
| | PAGE | 17 OF 19 | |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | SHEET | 41 OF 51 |

WLAN/BT

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.



R R1815
C C1811
L L1812
U U1802
J J1802

RADIO BOM OPTIONS

CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

HW ID PA ID BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------|-------------------------|----------|------------|
| 118S0685 | 1 | PA_ID RES DIVIDER | R304_RF | Y | B4_17 |
| 118S0656 | 1 | PA_ID RES DIVIDER | R304_RF | Y | B3_13 |
| 118S0719 | 1 | PA_ID RES DIVIDER | R302_RF | Y | B4_17 |
| 118S0685 | 1 | PA_ID RES DIVIDER | R302_RF | Y | B3_13 |

SPI NOR BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|---------------------------|-------------------------|----------|------------|
| 335S0874 | 1 | SERIAL SPI NOR - MICRONIX | U601_RF | Y | B4_17 |
| 335S0874 | 1 | SERIAL SPI NOR - MICRONIX | U601_RF | Y | B3_13 |

B5/B5E BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|------------|
| 353S3415 | 1 | SKY77487 BAND 5/8 PAD | U1001_RF | Y | B4_17 |
| 353S3568 | 1 | SKY77491 BAND5E/8 PAD | U1001_RF | Y | B3_13 |
| 155S0552 | 1 | BAND5 TX SAW | FL1001_RF | Y | B4_17 |
| 155S0742 | 1 | BAND5/BC10 TX SAW | FL1001_RF | Y | B3_13 |
| 152S1563 | 1 | 1.5NH, INDUCTOR - MURATA | L1001_RF | Y | B4_17 |
| 152S1662 | 1 | 1.5NH, INDUCTOR - TDK | L1001_RF | Y | B3_13 |
| 152S1577 | 1 | 15NH, INDUCTOR - MURATA | L1002_RF | Y | B4_17 |
| 152S1665 | 1 | 15NH, INDUCTOR - TDK | L1002_RF | Y | B3_13 |
| 152S1576 | 1 | 12NH, INDUCTOR - MURATA | L1003_RF | Y | B4_17 |
| 152S1664 | 1 | 12NH, INDUCTOR - TDK | L1003_RF | Y | B3_13 |
| 152S1570 | 1 | 4.7NH, INDUCTOR - MURATA | L1010_RF | Y | B4_17 |
| 152S1663 | 1 | 4.7NH, INDUCTOR - TDK | L1010_RF | Y | B3_13 |

B13/17 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------|-------------------------|----------|------------|
| 152S1328 | 1 | 4.3NH INDUCTOR - 0201 | C1111_RF | Y | B4_17 |
| 152S1353 | 1 | 3.6NH INDUCTOR - 0201 | C1111_RF | Y | B3_13 |
| 131S0198 | 1 | 1.8PF CAPACITOR - 0201 | L1103_RF | Y | B4_17 |
| 118S0724 | 1 | 0 OHM JUMPER - 0201 | C1112_RF | Y | B4_17 |
| 131S0204 | 1 | 22PF CAPACITOR - 0201 | C1112_RF | Y | B3_13 |
| 118S0724 | 1 | 0 OHM JUMPER - 0201 | L1105_RF | Y | B4_17 |
| 152S1443 | 1 | 2.0NH INDUCTOR - 0201 | L1105_RF | Y | B3_13 |
| 152S1320 | 1 | 7.5NH INDUCTOR - 0201 | C1113_RF | Y | B4_17 |
| 131S0166 | 1 | 39PF CAPACITOR - 0201 | C1113_RF | Y | B3_13 |
| 131S0176 | 1 | 2.4PF CAPACITOR - 0201 | C1117_RF | Y | B4_17 |

DCDC BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------------------|-------------------------|----------|------------|
| 152S1648 | 1 | POWER INDUCTOR - TAIYO YUDEN | L1201_RF | Y | B4_17 |
| 152S1648 | 1 | POWER INDUCTOR - TAIYO YUDEN | L1201_RF | Y | B3_13 |
| 152S1570 | 1 | 4.7NH, INDUCTOR - MURATA | L1205_RF | Y | B4_17 |
| 152S1663 | 1 | 4.7NH, INDUCTOR - TDK | L1205_RF | Y | B3_13 |

WIFI BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------------|-------------------------|----------|------------|
| 339S0171 | 1 | WIFI MODULE - MURATA | U1801_RF | Y | B4_17 |
| 339S0171 | 1 | WIFI MODULE - MURATA | U1801_RF | Y | B3_13 |

SINGING CAP BOM OPTIONS

NEED TO COPY FROM AP TABLE
WHEN STAN FINISHES

B13/17 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|--------------------------|-------------------------|----------|------------|
| 155S0620 | 1 | BAND17 TX SAW | FL1101_RF | Y | B4_17 |
| 155S0619 | 1 | BAND13 TX SAW | FL1101_RF | Y | B3_13 |
| 353S3567 | 1 | BAND17 PAM - SKYWORKS | U1101_RF | Y | B4_17 |
| 353S3441 | 1 | BAND13 PAM - AVAGO | U1101_RF | Y | B3_13 |
| 155S0709 | 1 | BAND17 DUPLEXER - MURATA | U1102_RF | Y | B4_17 |
| 155S0738 | 1 | BAND13 DUPLEXER - EPCOS | U1102_RF | Y | B3_13 |
| 152S1336 | 1 | BAND17 INDUCTOR - 8.2NH | L1104_RF | Y | B4_17 |
| 152S1342 | 1 | BAND13 INDUCTOR - 15NH | L1104_RF | Y | B3_13 |
| 152S1577 | 1 | 15NH, INDUCTOR - MURATA | L1102_RF | Y | B4_17 |
| 152S1576 | 1 | 12NH, INDUCTOR - MURATA | L1102_RF | Y | B3_13 |

B2 PAD BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------|-------------------------|----------|------------|
| 353S3715 | 1 | TQM666084 B2 TQS PAD | U1501_RF | Y | B4_17 |
| 353S3459 | 1 | TQM666083 B25 TQS PAD | U1501_RF | Y | B3_13 |

DIVERISTY MODULE BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-----------------------------|-------------------------|----------|------------|
| 353S3516 | 1 | B17 MURATA DIVERSITY MODULE | U1601_RF | Y | B4_17 |
| 353S3562 | 1 | B13/BC10 DIVERSITY MODULE | U1601_RF | Y | B3_13 |

B3/DCS1800 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|----------------|-------------------------|----------|------------|
| 155S0596 | 1 | DCS1800 RX FIL | FL1301_RF | Y | B4_17 |
| 155S0729 | 1 | BAND3 RX FIL | FL1301_RF | Y | B3_13 |
| 155S0695 | 1 | THRU LINE | FL1302_RF | Y | B4_17 |
| 155S0722 | 1 | BAND13 TX LPF | FL1302_RF | Y | B3_13 |
| 152S1656 | 1 | 3.0NH INDUCTOR | R1301_RF | Y | B3_13 |
| 117S0161 | 1 | 0OHM RES | R1302_RF | Y | B4_17 |
| 118S0652 | 1 | 49.9OHM RES | R1303_RF | Y | B3_13 |
| 118S0652 | 1 | 49.9OHM RES | R1305_RF | Y | B4_17 |
| 152S1562 | 1 | 1.2NH INDUCTOR | L1304_RF | Y | B4_17 |
| 152S1720 | 1 | 1.8NH INDUCTOR | L1304_RF | Y | B3_13 |
| 152S1562 | 1 | 1.2NH INDUCTOR | L1305_RF | Y | B4_17 |
| 152S1720 | 1 | 1.8NH INDUCTOR | L1305_RF | Y | B3_13 |
| 152S1569 | 1 | 3.9NH INDUCTOR | L1301_RF | Y | B4_17 |
| 152S1570 | 1 | 4.7NH INDUCTOR | L1301_RF | Y | B3_13 |

B3/B4 RX BOM OPTIONS


| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------|-------------------------|----------|------------|
| 152S1570 | 1 | 4.7NH INDUCTOR - 01005 | C1414_RF | Y | B4_17 |
| 131S0375 | 1 | 1.0PF CAPACITOR - 01005 | C1415_RF | Y | B4_17 |
| 131S0375 | 1 | 1.0PF CAPACITOR - 01005 | C1420_RF | Y | B4_17 |
| 152S1570 | 1 | 4.7NH INDUCTOR - 01005 | L1416_RF | Y | B4_17 |
| 152S1571 | 1 | 5.6NH INDUCTOR - 01005 | C1414_RF | Y | B3_13 |
| 131S0377 | 1 | 1.2PF CAPACITOR - 01005 | C1415_RF | Y | B3_13 |
| 131S0377 | 1 | 1.2PF CAPACITOR - 01005 | C1420_RF | Y | B3_13 |
| 152S1571 | 1 | 5.6NH INDUCTOR - 01005 | L1416_RF | Y | B3_13 |
| 131S0219 | 1 | 10PF CAPACITOR - 01005 | L1420_RF | Y | B4_17 |
| 131S0219 | 1 | 10PF CAPACITOR - 01005 | L1421_RF | Y | B4_17 |
| 152S1562 | 1 | 1.2NH INDUCTOR - 01005 | L1420_RF | Y | B3_13 |
| 152S1562 | 1 | 1.2NH INDUCTOR - 01005 | L1421_RF | Y | B3_13 |
| 152S1328 | 1 | 4.3NH INDUCTOR - 0201 | R1402_RF | Y | B4_17 |
| 152S1688 | 1 | 3.5NH INDUCTOR - 0201 | C1416_RF | Y | B4_17 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | R1402_RF | Y | B3_13 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1416_RF | Y | B3_13 |

B3/B4 TX BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|-------------------------|-------------------------|----------|------------|
| 131S0215 | 1 | 22PF CAPACITOR - 01005 | L1417_RF | Y | B4_17 |
| 152S1569 | 1 | 3.9NH INDUCTOR - 01005 | L1417_RF | Y | B3_13 |
| 131S0369 | 1 | 0.5PF CAPACITOR - 01005 | L1408_RF | Y | B3_13 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1425_RF | Y | B4_17 |
| 152S1705 | 1 | 2.7NH INDUCTOR - 0201 | L1419_RF | Y | B4_17 |
| 131S0551 | 1 | 1.2PF CAPACITOR - 0201 | L1415_RF | Y | B4_17 |
| 152S1284 | 1 | 3.3NH INDUCTOR - 0201 | C1425_RF | Y | B3_13 |
| 152S1705 | 1 | 2.7NH INDUCTOR - 0201 | L1419_RF | Y | B3_13 |
| 131S0551 | 1 | 1.2PF CAPACITOR - 0201 | L1415_RF | Y | B3_13 |

B3/B4 BOM OPTIONS

| PART# | QTY | DESCRIPTION | REFERENCE DESIGNATOR(S) | CRITICAL | BOM OPTION |
|----------|-----|------------------|-------------------------|----------|------------|
| 353S3255 | 1 | B1/4 PAD - AVAGO | U1401_RF | Y | B4_17 |
| 353S3443 | 1 | B1/3 PAD - AVAGO | U1401_RF | Y | B3_13 |
| 155S0590 | 1 | B4 TX FIL | FL1402_RF | Y | B4_17 |
| 155S0712 | 1 | B3 TX FIL | FL1402_RF | Y | B3_13 |

| | | |
|---|----------------------------|-------------------|
| PAGE TITLE | | |
| RADIO BOM OPTIONS | | |
|  Apple Inc. | DRAWING NUMBER 051-9113 | SIZE D |
| REVISION 11.0.0 | | BRANCH |
| NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART IV ALL RIGHTS RESERVED | | |
| PAGE 19 OF 19 | | SHEET 43 OF 51 |

| 8 | | | 7 | | | 6 | | | 5 | | | 4 | | | 3 | | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|---|-----------|-------------|---|-----------|--------------|--|-----------|--------------|--|------|---|---------------|---|-----------|---------------|---|-----------|--------------|--|---------------------------------|------|---|------|---|---------------|---|-----------|-----------|---|------|--------------|--|---------------------------------|-------------|---|------|---|---------------|---|-----------|----------|--|----------------|--------------|--|----------|---------|---|------|---------------|---|-----------|--------------|--|----------|--------------|--|----------|------------|--|----------|---------------|---|-----------|----------|--|---------|--------------|--|----------|------------|--|----------|----------------|--|-----------|-----------|---|---------|--------------|--|----------|---------|---|----------|----------------|--|-----------|----------|--|---------|-------------|---|------|----------|--|------|----------------|--|-----------|-------------|---|-------------------------|--------------|--|----------------|----------|--|------|----------------|--|-----------|------------|--|-------------|-------------|---|------|--------------|--|------|----------------|--|-----------|------------|--|---------|--------------|--|----------------|-----------|---|------|-----------------|---|------|------------|--|---------|----------|--|---------|-----------|---|------|----------------|--|------|------------|--|---------|-----------|---|---------|------------|--|------|-----------------|---|------|------------|--|---------|------------|--|---------|--------------|--|------|---------------------|---|-----------|------------|--|---------|----------|--|----------|--------------|--|------|---------------------|---|-----------|------------|--|---------|------------|--|-----------|-----------|---|------|---------------------|---|-----------|------------|--|---------|-----------|---|----------|--------------|--|------|---------------------|---|-----------|-----------|---|---------|------------|--|-----------|--------------|--|------|---------------------|---|-----------|----------|--|---------|------------|--|----------|-------------|---|-----------|---------------------|---|-----------|-----------|---|---------|----------|--|----------|--------------|--|------|---------------------|---|-----------|----------|--|---------|-----------|---|----------|-----------|---|-----------|---------------------|---|-----------|------------|--|-----|------------|--|----------|----------------|--|-----------|---------------------|---|-----------|------------|--|-----|----------|--|--------------|------------|--|-----------|---------------------|---|------|------------|--|-----|-----------|---|--------------|-----------------|---|-----------|----------------------|--|------|------------|--|-----|------------|--|--------------|------------|--|-----------|----------------------|--|-----------|------------|--|-----|----------|--|----------|-----------------|---|-----------|----------------------|--|-----------|------------|--|-----|-----------|---|----------|-------------|---|------|----------------------|--|-----------|------------|--|-----|------------|--|-----------|------------------|--|------|----------------------|--|-----------|------------|--|-----|-----------|---|-----------|---------------|---|--------------------|----------------------|--|-----------|-----------|---|----------|------------|--|----------|--------------------|--|-----------|----------------------|--|-----------|---------|---|-----------|----------|--|---------|--------------------|--|------|----------------------|--|-----------|-------------|---|----------|-----------|---|---------|------------------|--|------|----------------------|--|-----------|---------------|---|----------|------------|--|---------|----------|--|------|----------------------|--|-----------|-----------|---|----------|--------|-------------------------------------|---------|------------|--|----------|--------------|--|---------|---------------|---|----------|------------|--|--------------------------|--------------|--|---------|--------------------|--|-----|-----------------|---|------|---------|---|---------|------------------|--|-----|-------------|---|---------------|--------------|--|---------|------------------|--|-----|------------------|--|------|--------------|--|---------|--------------------|--|-----------|------------|--|------|---------|---|---------|-----------------|---|------|------------|--|------|---------------|---|----------|-----------------|---|----------------|---------------|---|------|-------------|---|------|------------|--|----------|---------------|---|-----------|-------------|---|------|------------|--|----------|---------------|---|-----------|----------|--|------|--------------|--|----------|---------------|---|-----------|----------|--|------|-----------------|---|--------------|------------|--|------|--------|-------------------------------------|------|--------------------|--|-----|---------|---|------|-----------|---|------|--------------------|--|-----|---------|---|------|-----------|---|------|------------------|--|-----|----------|--|-----------|-----------|---|----------|------------------|--|-----|-----------------|---|-------------------|--------------|--|------|-----------------|---|-----|-----------------|---|------|-------------------|---|------|-----------------|---|----------|------------|--|----------|----------------------|--|------|------------|---|
| D | CUMULUS_IN<4> | CUMULUS_IN<4> - @single_brd.lib.SINGLE_BRD | 17C7 17D2 | E_ACC2_CONN | E_ACC2_CONN - @single_brd.lib.SINGLE_BRD | 16B4 22B4 | HS4_REF_CONN | HS4_REF_CONN - @single_brd.lib.SINGLE_BRD | 16C4 16D5 | INT_MIC3_RET | @single_brd.lib.SINGLE_BRD INT_MIC3_RET - | 11C4 | C | CUMULUS_IN<5> | CUMULUS_IN<5> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | E_CONN_DETECT | E_CONN_DETECT - @single_brd.lib.SINGLE_BRD | 16C4 22B5 | I2C0_SCL_V18 | I2C0_SCL_V18 - @single_brd.lib.SINGLE_BRD | 3D2 13A4 13B6 14B1 14D6 15B4 | IREF | @single_brd.lib.SINGLE_BRD IREF - @single_brd.lib.SINGLE_BRD | 13C5 | B | CUMULUS_IN<6> | CUMULUS_IN<6> - @single_brd.lib.SINGLE_BRD | 17C7 17D2 | E_CONN_TP | E_CONN_TP - @single_brd.lib.SINGLE_BRD | 22B4 | I2C0_SDA_V18 | I2C0_SDA_V18 - @single_brd.lib.SINGLE_BRD | 3D2 13A4 13B6 14B1 14D6 15B4 | IRLED_DRAIN | IRLED_DRAIN - @single_brd.lib.SINGLE_BRD | 11C4 | A | CUMULUS_IN<7> | CUMULUS_IN<7> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | E_DETECT | E_DETECT - @single_brd.lib.SINGLE_BRD | 13C2 15B4 16B2 | I2C1_SCL_V18 | I2C1_SCL_V18 - @single_brd.lib.SINGLE_BRD | 3D2 14A5 | IRLED_K | IRLED_K - @single_brd.lib.SINGLE_BRD | 11C4 | CUMULUS_IN<8> | CUMULUS_IN<8> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | FLASH_ENABLE | FLASH_ENABLE - @single_brd.lib.SINGLE_BRD | 3B5 19C7 | I2C1_SDA_V18 | I2C1_SDA_V18 - @single_brd.lib.SINGLE_BRD | 3D2 14A5 | JTAG_SWCLK | JTAG_SWCLK - @single_brd.lib.SINGLE_BRD | 2B6 15B5 | CUMULUS_IN<9> | CUMULUS_IN<9> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | PMI0_ALE | PMI0_ALE - @single_brd.lib.SINGLE_BRD | 6B7 6C3 | I2C2_SCL_V18 | I2C2_SCL_V18 - @single_brd.lib.SINGLE_BRD | 3D2 11B8 | JTAG_SWDIO | JTAG_SWDIO - @single_brd.lib.SINGLE_BRD | 2B6 15B5 | CUMULUS_IN<10> | CUMULUS_IN<10> - @single_brd.lib.SINGLE_BRD | 17C7 17D2 | PMI0_CEN0 | PMI0_CEN0 - @single_brd.lib.SINGLE_BRD | 6C3 6C8 | I2C2_SDA_V18 | I2C2_SDA_V18 - @single_brd.lib.SINGLE_BRD | 3D2 11B8 | KEEPACT | KEEPACT - @single_brd.lib.SINGLE_BRD | 3B7 13C2 | CUMULUS_IN<11> | CUMULUS_IN<11> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | PMI0_CLE | PMI0_CLE - @single_brd.lib.SINGLE_BRD | 6B7 6C3 | I2C_SCL_ALS | I2C_SCL_ALS - @single_brd.lib.SINGLE_BRD | 11C5 | L19_FILT | L19_FILT - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_IN<12> | CUMULUS_IN<12> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | PMI0_DQVREF | PMI0_DQVREF - @single_brd.lib.SINGLE_BRD | 6B3 6B6 6B6 6B7 6B7 6C5 | I2C_SCL_COMP | I2C_SCL_COMP - @single_brd.lib.SINGLE_BRD | 14A6 14A7 14B6 | L19_IREF | L19_IREF - @single_brd.lib.SINGLE_BRD | 14C4 | CUMULUS_IN<13> | CUMULUS_IN<13> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | PMI0_IO<0> | PMI0_IO<0> - @single_brd.lib.SINGLE_BRD | 6B6 6C4 6C8 | I2C_SDA_ALS | I2C_SDA_ALS - @single_brd.lib.SINGLE_BRD | 11C5 | L19_LDO_FILT | L19_LDO_FILT - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_IN<14> | CUMULUS_IN<14> - @single_brd.lib.SINGLE_BRD | 17C2 17C7 | PMI0_IO<1> | PMI0_IO<1> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2C_SDA_COMP | I2C_SDA_COMP - @single_brd.lib.SINGLE_BRD | 14A6 14A7 14B6 | L19_SES_N | L19_SES_N - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_PROX_RX | CUMULUS_PROX_RX - @single_brd.lib.SINGLE_BRD | 17C7 | PMI0_IO<2> | PMI0_IO<2> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2S0_DIN | I2S0_DIN - @single_brd.lib.SINGLE_BRD | 3D4 9C2 | L19_SES_P | L19_SES_P - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_VDDANA | CUMULUS_VDDANA - @single_brd.lib.SINGLE_BRD | 17D7 | PMI0_IO<3> | PMI0_IO<3> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2S0_DOUT | I2S0_DOUT - @single_brd.lib.SINGLE_BRD | 3D4 9C2 | L19_SWITCH | L19_SWITCH - @single_brd.lib.SINGLE_BRD | 14D6 | CUMULUS_VDDCORE | CUMULUS_VDDCORE - @single_brd.lib.SINGLE_BRD | 17D7 | PMI0_IO<4> | PMI0_IO<4> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2S0_LRCLK | I2S0_LRCLK - @single_brd.lib.SINGLE_BRD | 3D4 9C2 | L19_VSENSE_N | L19_VSENSE_N - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_VSTM_OUT<0> | CUMULUS_VSTM_OUT<0> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI0_IO<5> | PMI0_IO<5> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2S1_DIN | I2S1_DIN - @single_brd.lib.SINGLE_BRD | 3D4 21C4 | L19_VSENSE_P | L19_VSENSE_P - @single_brd.lib.SINGLE_BRD | 14D4 | CUMULUS_VSTM_OUT<1> | CUMULUS_VSTM_OUT<1> - @single_brd.lib.SINGLE_BRD | 17B3 17C5 | PMI0_IO<6> | PMI0_IO<6> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | BB_I2S_TXD | BB_I2S_TXD - @single_brd.lib.RADIO_MLB(1594_page 19) | 26C8 30B4 | L65_FILT+ | L65_FILT+ - @single_brd.lib.SINGLE_BRD | 10B4 | CUMULUS_VSTM_OUT<2> | CUMULUS_VSTM_OUT<2> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI0_IO<7> | PMI0_IO<7> - @single_brd.lib.SINGLE_BRD | 6C4 6C8 | I2S1_DOUT | I2S1_DOUT - @single_brd.lib.SINGLE_BRD | 3D4 21C4 | L65_VCCPFLT+ | L65_VCCPFLT+ - @single_brd.lib.SINGLE_BRD | 10C4 | CUMULUS_VSTM_OUT<3> | CUMULUS_VSTM_OUT<3> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI0_WE_L | PMI0_WE_L - @single_brd.lib.SINGLE_BRD | 6B7 6C3 | BB_I2S_RXD | BB_I2S_RXD - @single_brd.lib.RADIO_MLB(1594_page 19) | 26C8 30B4 | L65_VCCPFLT- | L65_VCCPFLT- - @single_brd.lib.SINGLE_BRD | 10C4 | CUMULUS_VSTM_OUT<4> | CUMULUS_VSTM_OUT<4> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_ALE | PMI1_ALE - @single_brd.lib.SINGLE_BRD | 6B6 6C3 | I2S1_LRCLK | I2S1_LRCLK - @single_brd.lib.SINGLE_BRD | 3D4 21C4 | LAT_SWI_CTL | LAT_SWI_CTL - @single_brd.lib.SINGLE_BRD | 16C5 21A4 | CUMULUS_VSTM_OUT<5> | CUMULUS_VSTM_OUT<5> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_CEN0 | PMI1_CEN0 - @single_brd.lib.SINGLE_BRD | 6C3 6C6 | I2S3_DIN | I2S3_DIN - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | L65_VCCPFLT+ | L65_VCCPFLT+ - @single_brd.lib.SINGLE_BRD | 10C4 | CUMULUS_VSTM_OUT<6> | CUMULUS_VSTM_OUT<6> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_CLE | PMI1_CLE - @single_brd.lib.SINGLE_BRD | 6B6 6C3 | I2S3_DOUT | I2S3_DOUT - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | LCD_BL_CA | LCD_BL_CA - @single_brd.lib.SINGLE_BRD | 13B1 18D1 | CUMULUS_VSTM_OUT<7> | CUMULUS_VSTM_OUT<7> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_IO<0> | PMI1_IO<0> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S3_LRCLK | I2S3_LRCLK - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | LCD_BL_CA_CONN | LCD_BL_CA_CONN - @single_brd.lib.SINGLE_BRD | 18C4 22D4 | CUMULUS_VSTM_OUT<8> | CUMULUS_VSTM_OUT<8> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_IO<1> | PMI1_IO<1> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S2_DIN | I2S2_DIN - @single_brd.lib.SINGLE_BRD | 3D4 9B2 14C5 | LCD_BL_CC1 | LCD_BL_CC1 - @single_brd.lib.SINGLE_BRD | 13A2 18D1 | CUMULUS_VSTM_OUT<9> | CUMULUS_VSTM_OUT<9> - @single_brd.lib.SINGLE_BRD | 17C5 | PMI1_IO<2> | PMI1_IO<2> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S2_DOUT | I2S2_DOUT - @single_brd.lib.SINGLE_BRD | 3D4 9C2 14C5 | LCD_BL_CC1_CONN | LCD_BL_CC1_CONN - @single_brd.lib.SINGLE_BRD | 18C4 22D4 | CUMULUS_VSTM_OUT<10> | CUMULUS_VSTM_OUT<10> - @single_brd.lib.SINGLE_BRD | 17C5 | PMI1_IO<3> | PMI1_IO<3> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S2_LRCLK | I2S2_LRCLK - @single_brd.lib.SINGLE_BRD | 3D4 9C2 14C5 | LCD_BL_CC2 | LCD_BL_CC2 - @single_brd.lib.SINGLE_BRD | 13A2 18D1 | CUMULUS_VSTM_OUT<11> | CUMULUS_VSTM_OUT<11> - @single_brd.lib.SINGLE_BRD | 17B3 17C5 | PMI1_IO<4> | PMI1_IO<4> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S3_DIN | I2S3_DIN - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | LCD_BL_CC2_CONN | LCD_BL_CC2_CONN - @single_brd.lib.SINGLE_BRD | 18C4 22D4 | CUMULUS_VSTM_OUT<12> | CUMULUS_VSTM_OUT<12> - @single_brd.lib.SINGLE_BRD | 17B3 17C5 | PMI1_IO<5> | PMI1_IO<5> - @single_brd.lib.SINGLE_BRD | 6C5 | I2S3_DOUT | I2S3_DOUT - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | LCD_DESENSE | LCD_DESENSE - @single_brd.lib.SINGLE_BRD | 13A2 | CUMULUS_VSTM_OUT<13> | CUMULUS_VSTM_OUT<13> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_IO<6> | PMI1_IO<6> - @single_brd.lib.SINGLE_BRD | 6C5 | BT_PCM_OUT | BT_PCM_OUT - @single_brd.lib.RADIO_MLB(1594_page 19) | 26B8 42B3 | LCD_DESENSE_CONN | LCD_DESENSE_CONN - @single_brd.lib.SINGLE_BRD | 18D4 | CUMULUS_VSTM_OUT<14> | CUMULUS_VSTM_OUT<14> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | PMI1_IO<7> | PMI1_IO<7> - @single_brd.lib.SINGLE_BRD | 6C5 | BT_PCM_IN | BT_PCM_IN - @single_brd.lib.RADIO_MLB(1594_page 19) | 26B8 42B3 | LCD_HIFA_BSYN | LCD_HIFA_BSYN - @single_brd.lib.SINGLE_BRD | 3B7 17A1 17B2 18B1 | CUMULUS_VSTM_OUT<15> | CUMULUS_VSTM_OUT<15> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | FORCE_DFU | FORCE_DFU - @single_brd.lib.SINGLE_BRD | 3A7 22B8 | I2S3_LRCLK | I2S3_LRCLK - @single_brd.lib.SINGLE_BRD | 3C4 21B4 | LCD_HIFA_BSYN_BUFF | LCD_HIFA_BSYN_BUFF - @single_brd.lib.SINGLE_BRD | 17A3 17B5 | CUMULUS_VSTM_OUT<16> | CUMULUS_VSTM_OUT<16> - @single_brd.lib.SINGLE_BRD | 17C3 17C5 | GCM_SEL | GCM_SEL - @single_brd.lib.SINGLE_BRD | 17B2 17B5 | I2S4_DIN | I2S4_DIN - @single_brd.lib.SINGLE_BRD | 3C4 9C2 | LCD_HIFA_BSYN_CONN | LCD_HIFA_BSYN_CONN - @single_brd.lib.SINGLE_BRD | 18C4 | CUMULUS_VSTM_OUT<17> | CUMULUS_VSTM_OUT<17> - @single_brd.lib.SINGLE_BRD | 17B5 17C3 | GRAPE_INT_L | GRAPE_INT_L - @single_brd.lib.SINGLE_BRD | 3B7 17B8 | I2S4_DOUT | I2S4_DOUT - @single_brd.lib.SINGLE_BRD | 3C4 9C2 | LCD_PANIC_L_CONN | LCD_PANIC_L_CONN - @single_brd.lib.SINGLE_BRD | 18C4 | CUMULUS_VSTM_OUT<18> | CUMULUS_VSTM_OUT<18> - @single_brd.lib.SINGLE_BRD | 17B5 17C3 | GRAPE_RESET_L | GRAPE_RESET_L - @single_brd.lib.SINGLE_BRD | 3A7 17B7 | I2S4_LRCLK | I2S4_LRCLK - @single_brd.lib.SINGLE_BRD | 3C4 9C2 | LCD_PIFA | LCD_PIFA - @single_brd.lib.SINGLE_BRD | 18C4 | CUMULUS_VSTM_OUT<19> | CUMULUS_VSTM_OUT<19> - @single_brd.lib.SINGLE_BRD | 17B5 17C3 | GYRO_INT1 | GYRO_INT1 - @single_brd.lib.SINGLE_BRD | 3A7 14B3 | ID_N42 | ID_N42 - @single_brd.lib.SINGLE_BRD | 3C4 3C8 | LCD_PIFA_R | LCD_PIFA_R - @single_brd.lib.SINGLE_BRD | 3C4 18B1 | DDRO_VREF_CA | DDRO_VREF_CA - @single_brd.lib.SINGLE_BRD | 4A7 4D6 | INT_MIC1_BIAS | INT_MIC1_BIAS - @single_brd.lib.SINGLE_BRD | 9C6 16C2 | LCD_PWR_EN | LCD_PWR_EN - @single_brd.lib.SINGLE_BRD | 13B2 13B4 13C6 18C1 19A6 | DDRO_VREF_DQ | DDRO_VREF_DQ - @single_brd.lib.SINGLE_BRD | 4A5 4D6 | INT_MIC1_BIAS_FILT | INT_MIC1_BIAS_FILT - @single_brd.lib.SINGLE_BRD | 9C6 | LCD_PWR_EN_CONN | LCD_PWR_EN_CONN - @single_brd.lib.SINGLE_BRD | 19C4 | DDRO_ZQ | DDRO_ZQ - @single_brd.lib.SINGLE_BRD | 4D6 4D6 | INT_MIC1_CODEC_N | INT_MIC1_CODEC_N - @single_brd.lib.SINGLE_BRD | 9C6 | LCD_RESET_L | LCD_RESET_L - @single_brd.lib.SINGLE_BRD | 3B7 18B1 19B6 | DDR1_VREF_CA | DDR1_VREF_CA - @single_brd.lib.SINGLE_BRD | 4A6 4D6 | INT_MIC1_CODEC_P | INT_MIC1_CODEC_P - @single_brd.lib.SINGLE_BRD | 9C6 | LCD_RESET_L_CONN | LCD_RESET_L_CONN - @single_brd.lib.SINGLE_BRD | 18C4 | DDR1_VREF_DQ | DDR1_VREF_DQ - @single_brd.lib.SINGLE_BRD | 4A4 4D6 | INT_MIC1_CONN_BIAS | INT_MIC1_CONN_BIAS - @single_brd.lib.SINGLE_BRD | 16C4 16C5 | LCM_SWITCH | LCM_SWITCH - @single_brd.lib.SINGLE_BRD | 13B4 | DDR1_ZQ | DDR1_ZQ - @single_brd.lib.SINGLE_BRD | 4D6 4D6 | INT_MIC1_CONN_N | INT_MIC1_CONN_N - @single_brd.lib.SINGLE_BRD | 16C3 | LCM_VBOOST | LCM_VBOOST - @single_brd.lib.SINGLE_BRD | 13B4 | DEV_HSIC3_RDY | DEV_HSIC3_RDY - @single_brd.lib.SINGLE_BRD | 3B5 21D1 | INT_MIC1_CONN_P | INT_MIC1_CONN_P - @single_brd.lib.SINGLE_BRD | 16C4 16C5 22C6 | LED_BOOST_OUT | LED_BOOST_OUT - @single_brd.lib.SINGLE_BRD | 19D5 | DISCHARGE_R | DISCHARGE_R - @single_brd.lib.SINGLE_BRD | 19B3 | INT_MIC1_N | INT_MIC1_N - @single_brd.lib.SINGLE_BRD | 9C8 16C2 | LED_DRIVE_GSM | LED_DRIVE_GSM - @single_brd.lib.SINGLE_BRD | 19C6 21C4 | DIS_CONTROL | DIS_CONTROL - @single_brd.lib.SINGLE_BRD | 19B4 | INT_MIC1_P | INT_MIC1_P - @single_brd.lib.SINGLE_BRD | 9C8 16C2 | TX_GTR_THRESH | TX_GTR_THRESH - @single_brd.lib.RADIO_MLB(1594_page 19) | 26D8 30C2 | DIS_GATE | DIS_GATE - @single_brd.lib.SINGLE_BRD | 19B4 | INT_MIC1_RET | INT_MIC1_RET - @single_brd.lib.SINGLE_BRD | 9C8 16C2 | LED_DRIVE_OUT | LED_DRIVE_OUT - @single_brd.lib.SINGLE_BRD | 19C5 20C3 | DIS_NODE | DIS_NODE - @single_brd.lib.SINGLE_BRD | 19A4 | INT_MIC2_3_BIAS | INT_MIC2_3_BIAS - @single_brd.lib.SINGLE_BRD | 8B2 9C6 11A2 | LED_DRV_LX | LED_DRV_LX - @single_brd.lib.SINGLE_BRD | 19D6 | DIS_RC | DIS_RC - @single_brd.lib.SINGLE_BRD | 19A5 | INT_MIC2_BIAS_CONN | INT_MIC2_BIAS_CONN - @single_brd.lib.SINGLE_BRD | 8B5 | LINEINA | LINEINA - @single_brd.lib.SINGLE_BRD | 10C5 | DIS_RESET | DIS_RESET - @single_brd.lib.SINGLE_BRD | 19B5 | INT_MIC2_BIAS_FILT | INT_MIC2_BIAS_FILT - @single_brd.lib.SINGLE_BRD | 9C6 | LINEINB | LINEINB - @single_brd.lib.SINGLE_BRD | 10C5 | DUMP_GATE | DUMP_GATE - @single_brd.lib.SINGLE_BRD | 19B7 | INT_MIC2_CODEC_N | INT_MIC2_CODEC_N - @single_brd.lib.SINGLE_BRD | 9C6 | MBUS_REF | MBUS_REF - @single_brd.lib.SINGLE_BRD | 10C3 16B2 | DWI_AP_DI | DWI_AP_DI - @single_brd.lib.SINGLE_BRD | 3D3 13B7 | INT_MIC2_CODEC_P | INT_MIC2_CODEC_P - @single_brd.lib.SINGLE_BRD | 9C6 | MENU_KEY_BUFF_L | MENU_KEY_BUFF_L - @single_brd.lib.SINGLE_BRD | 3A3 3B7 13C4 13C6 | EXT_MIC_BIAS | EXT_MIC_BIAS - @single_brd.lib.SINGLE_BRD | 10C6 | INT_MIC2_CONN_N | INT_MIC2_CONN_N - @single_brd.lib.SINGLE_BRD | 8B5 | MENU_KEY_CONN_L | MENU_KEY_CONN_L - @single_brd.lib.SINGLE_BRD | 16C5 | EXT_MIC_BIAS_FILT | EXT_MIC_BIAS_FILT - @single_brd.lib.SINGLE_BRD | 10B6 | INT_MIC2_CONN_P | INT_MIC2_CONN_P - @single_brd.lib.SINGLE_BRD | 8B5 22C6 | MENU_KEY_L | MENU_KEY_L - @single_brd.lib.SINGLE_BRD | 3A4 16B8 | EXT_MIC_BIAS_FILT_IN | EXT_MIC_BIAS_FILT_IN - @single_brd.lib.SINGLE_BRD | 10B6 | INT_MIC2_N | INT_MIC2_N - @single_brd.lib.SINGLE_BR |

| 8 | | | | 7 | | | | 6 | | | | 5 | | | | 4 | | | | 3 | | | | 2 | | | | 1 | | | |
|----------------------|--|--|------|------|--|--|---|--|--|------|------|------|------|--|-------------------------|---|--|------|------|------|--|-------------|--|--|------|------|------|---|--|--|--|
| D | NEG_SWITCH | NEG_SWITCH - @single_brd_lib.SINGLE_BRD | 19D3 | | | | | PP2V8_CAM_AVDD | PP2V8_CAM_AVDD - @single_brd_lib.SINGLE_BRD | 11C2 | 12B5 | 20B7 | | | | SAGE_PANEL_IN<14> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_IN<14> - | 17C3 | 18A6 | | | UART1_RTS_L | 19) UART1_RTS_L - @single_brd_lib.SINGLE_BRD | 3B5 | 21C4 | | | | | | |
| | NTC_CAM_N | NTC_CAM_N - @single_brd_lib.SINGLE_BRD | 12A6 | | | | | PP3V0_ACC | PP3V0_ACC - @single_brd_lib.SINGLE_BRD | 12B4 | 15C4 | | | | | SAGE_PANEL_VSTM_OUT<0> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<0> - | 17C1 | 18A6 | 18A8 | | | UART1_RXD | @single_brd_lib.SINGLE_BRD BB_UART_CTS_L - @single_brd_lib.RADIO_MLB(1594_page 19) | 26C3 | 26C8 | 30C4 | | | | |
| | NTC_CAM_P | NTC_CAM_P - @single_brd_lib.SINGLE_BRD | 12A6 | 12B7 | | | | PP3V0_ALS | PP3V0_ALS - @single_brd_lib.SINGLE_BRD | 11C5 | | | | | | SAGE_PANEL_VSTM_OUT<1> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<1> - | 17B1 | 18A8 | | | | | | | | | | | | |
| | NTC_FOREHEAD_N | NTC_FOREHEAD_N - @single_brd_lib.SINGLE_BRD | 12A8 | | | | | PP3V0_COMP | PP3V0_COMP - @single_brd_lib.SINGLE_BRD | 14A6 | 14A8 | 14B8 | | | | SAGE_PANEL_VSTM_OUT<2> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<2> - | 17C1 | 18A8 | | | | UART1_TXD | @single_brd_lib.SINGLE_BRD BB_UART_TXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 3B5 | 15B5 | 21C4 | | | | |
| | NTC_FOREHEAD_P | NTC_FOREHEAD_P - @single_brd_lib.SINGLE_BRD | 12A7 | 12B7 | | | | PP3V0_IMU | PP3V0_IMU - @single_brd_lib.SINGLE_BRD | 12B5 | 14A5 | 14B1 | | | | SAGE_PANEL_VSTM_OUT<3> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<3> - | 17C1 | 18A8 | | | | | | | | | | | | |
| | NTC_H5P_N | NTC_H5P_N - @single_brd_lib.SINGLE_BRD | 12A5 | | | | | PP3V0_IO | PP3V0_IO - @single_brd_lib.SINGLE_BRD | 2D3 | 5B7 | 12B5 | | | | SAGE_PANEL_VSTM_OUT<4> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<4> - | 17C1 | 18A8 | | | | UART1_TXD | @single_brd_lib.SINGLE_BRD BB_UART_RXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 3B5 | 15B5 | 21C4 | | | | |
| | NTC_H5P_P | NTC_H5P_P - @single_brd_lib.SINGLE_BRD | 12A5 | 12B7 | | | | PP3V0_NAND | PP3V0_NAND - @single_brd_lib.SINGLE_BRD | 6D1 | 12B5 | | | | | SAGE_PANEL_VSTM_OUT<5> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<5> - | 17C1 | 18A8 | | | | | | | | | | | | |
| | NTC_PA_N | NTC_PA_N - @single_brd_lib.SINGLE_BRD | 12A4 | | | | | PP3V0_NAND_XW | PP3V0_NAND_XW - @single_brd_lib.SINGLE_BRD | 6D3 | | | | | | SAGE_PANEL_VSTM_OUT<6> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<6> - | 17C1 | 18A8 | | | | UART2_RXD | @single_brd_lib.SINGLE_BRD BB_UART_TXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 26C3 | 26C8 | 30C4 | | | | |
| | NTC_PA_P | NTC_PA_P - @single_brd_lib.SINGLE_BRD | 12A4 | 12B7 | | | | PP3V0_PROX | PP3V0_PROX - @single_brd_lib.SINGLE_BRD | 11C5 | | | | | | SAGE_PANEL_VSTM_OUT<7> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<7> - | 17C1 | 18A8 | | | | | | | | | | | | |
| | OSC321 | OSC321 - @single_brd_lib.SINGLE_BRD | 12B6 | | | | | PP3V0_PROX_ALS | PP3V0_PROX_ALS - @single_brd_lib.SINGLE_BRD | 11B8 | 11C8 | 12B5 | | | | SAGE_PANEL_VSTM_OUT<8> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<8> - | 17C1 | 18A8 | | | | UART2_TXD | @single_brd_lib.SINGLE_BRD BB_UART_CTS_L - @single_brd_lib.RADIO_MLB(1594_page 19) | 3B5 | 15B5 | | | | | |
| OSC320 | OSC320 - @single_brd_lib.SINGLE_BRD | 12A6 | | | | | PP3V0_PROX_IR | PP3V0_PROX_IR - @single_brd_lib.SINGLE_BRD | 11C2 | 12B5 | | | | | SAGE_PANEL_VSTM_OUT<9> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<9> - | 17C1 | 18A8 | | | | UART3_CTS_L | @single_brd_lib.SINGLE_BRD BT_UART_RTS_L - @single_brd_lib.RADIO_MLB(1594_page 19) | 3B5 | 21B4 | | | | | | |
| OVP_GATE | OVP_GATE - @single_brd_lib.SINGLE_BRD | 16B7 | | | | | PP3V0_USBMUX | PP3V0_USBMUX - @single_brd_lib.SINGLE_BRD | 12B5 | 15C7 | | | | | SAGE_PANEL_VSTM_OUT<10> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<10> - | 17C1 | 18A8 | | | | | | | | | | | | | |
| OVP_SW_EN_L | OVP_SW_EN_L - @single_brd_lib.SINGLE_BRD | 15B4 | 16B8 | | | | PP3V2_CODEC | PP3V2_CODEC - @single_brd_lib.SINGLE_BRD | 10D3 | | | | | | SAGE_PANEL_VSTM_OUT<11> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<11> - | 17B1 | 18A6 | | | | UART3_RTS_L | @single_brd_lib.SINGLE_BRD BT_UART_CTS_L - @single_brd_lib.RADIO_MLB(1594_page 19) | 26B8 | 42B3 | | | | | | |
| PBL_RUN_BB_H5IC1_RDY | PBL_RUN_BB_H5IC1_RDY - @single_brd_lib.SINGLE_BRD | 3A7 | 21D4 | | | | PP3V3_VIB | PP3V3_VIB - @single_brd_lib.SINGLE_BRD | 8C6 | | | | | | SAGE_PANEL_VSTM_OUT<12> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<12> - | 17B1 | 18A6 | | | | | | | | | | | | | |
| PMU_ADC_IN7 | PMU_ADC_IN7 - @single_brd_lib.SINGLE_BRD | 13C3 | 13C6 | | | | PP5V0_TRISTAR | PP5V0_TRISTAR - @single_brd_lib.SINGLE_BRD | 15C4 | | | | | | SAGE_PANEL_VSTM_OUT<13> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<13> - | 17C1 | 18A6 | | | | UART3_RXD | @single_brd_lib.SINGLE_BRD BT_UART_TXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 3B5 | 21B4 | | | | | | |
| PMU_AMUX_AY | PMU_AMUX_AY - @single_brd_lib.SINGLE_BRD | 13C6 | 13D5 | 22C8 | | | PP5V0_USB_CONN | PP5V0_USB_CONN - @single_brd_lib.SINGLE_BRD | 16C5 | 22D8 | | | | | SAGE_PANEL_VSTM_OUT<14> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<14> - | 17C1 | 18A6 | | | | | | | | | | | | | |
| PMU_AMUX_AY_CTRL | PMU_AMUX_AY_CTRL - @single_brd_lib.SINGLE_BRD | 3C5 | 13D7 | | | | PP5V0_USB_PROTECT | PP5V0_USB_PROTECT - @single_brd_lib.SINGLE_BRD | 12C8 | 16B8 | | | | | SAGE_PANEL_VSTM_OUT<15> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<15> - | 17C1 | 18A6 | | | | UART3_TXD | @single_brd_lib.SINGLE_BRD BT_UART_RXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 26B5 | 26B8 | 42C3 | | | | | |
| PMU_AMUX_AY_R | PMU_AMUX_AY_R - @single_brd_lib.SINGLE_BRD | 13D6 | | | | | PP5V0_USB_RPROT | PP5V0_USB_RPROT - @single_brd_lib.SINGLE_BRD | 15C2 | 16B8 | | | | | SAGE_PANEL_VSTM_OUT<16> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<16> - | 17C1 | 18A6 | | | | | | | | | | | | | |
| PMU_AMUX_BY | PMU_AMUX_BY - @single_brd_lib.SINGLE_BRD | 13B6 | 13D5 | 22C8 | | | PP5V1_GRAPE_VDDH | PP5V1_GRAPE_VDDH - @single_brd_lib.SINGLE_BRD | 13B3 | 17D7 | | | | | SAGE_PANEL_VSTM_OUT<17> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<17> - | 17C1 | 18A6 | | | | | | | | | | | | | |
| PMU_AMUX_BY_CTRL | PMU_AMUX_BY_CTRL - @single_brd_lib.SINGLE_BRD | 3B5 | 13D7 | | | | PP5V7_LCD_AVDDH | PP5V7_LCD_AVDDH - @single_brd_lib.SINGLE_BRD | 13B3 | 18C1 | 19B2 | | | | SAGE_PANEL_VSTM_OUT<18> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<18> - | 17C1 | 18A6 | | | | | | | | | | | | | |
| PMU_AMUX_BY_R | PMU_AMUX_BY_R - @single_brd_lib.SINGLE_BRD | 13D6 | | | | | PP5V7_LCD_AVDDH_CONN | PP5V7_LCD_AVDDH_CONN - @single_brd_lib.SINGLE_BRD | 18C4 | | | | | | SAGE_PANEL_VSTM_OUT<19> | @single_brd_lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<19> - | 17C1 | 18A6 | | | | UART4_RXD | @single_brd_lib.SINGLE_BRD WLAN_UART_TXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 3A5 | 21B4 | | | | | | |
| PMU_DWI_CLK | PMU_DWI_CLK - @single_brd_lib.SINGLE_BRD | 13B6 | | | | | PP5V7_SAGE_AVDDH | PP5V7_SAGE_AVDDH - @single_brd_lib.SINGLE_BRD | 13B1 | 17B5 | 17D4 | | | | SAGE_VBIAS | @single_brd_lib.SINGLE_BRD SAGE_VBIAS - | 17B3 | | | | | | | | | | | | | | |
| PMU_DWI_DI | PMU_DWI_DI - @single_brd_lib.SINGLE_BRD | 13B6 | | | | | PPN_ZQ | PPN_ZQ - @single_brd_lib.SINGLE_BRD | 6B3 | | | | | | SAGE_VBIAS_DRAIN | @single_brd_lib.SINGLE_BRD SAGE_VBIAS_DRAIN - | 17C4 | 19B6 | | | | UART4_TXD | @single_brd_lib.SINGLE_BRD WLAN_UART_RXD - @single_brd_lib.RADIO_MLB(1594_page 19) | 3A5 | 21C4 | | | | | | |
| PMU_DWI_DO | PMU_DWI_DO - @single_brd_lib.SINGLE_BRD | 13B6 | | | | | PP_BATT_VCC | PP_BATT_VCC - @single_brd_lib.SINGLE_BRD | 21C7 | 21D4 | 22D8 | | | | SAGE_VBST_OUTH | @single_brd_lib.SINGLE_BRD SAGE_VBST_OUTH - | 17B3 | | | | | | | | | | | | | | |
| PMU_IRQ_L | PMU_IRQ_L - @single_brd_lib.SINGLE_BRD | 3B7 | 13B6 | | | | PP_BATT_VCC_CONN | PP_BATT_VCC_CONN - @single_brd_lib.SINGLE_BRD | 26D1 | 26D8 | 27B8 | 28C8 | 34C5 | | SAGE_VBST_OUTL | @single_brd_lib.SINGLE_BRD SAGE_VBST_OUTL - | 17B3 | | | | | | | | | | | | | | |
| PMU_RESET_IN | PMU_RESET_IN - @single_brd_lib.SINGLE_BRD | 13B6 | | | | | @single_brd_lib.RADIO_MLB(1594_page 19) | @single_brd_lib.RADIO_MLB(1594_page 19) | 35C5 | 36C5 | 36D8 | 38C5 | 39C5 | | SAGE_VCM_IN | @single_brd_lib.SINGLE_BRD SAGE_VCM_IN - | 17B2 | 18A5 | | | | UART6_RXD | @single_brd_lib.SINGLE_BRD UART6_TXD - | 3A5 | 15B5 | | | | | | |
| PNSV7_LCM_AVDDN_CONN | PNSV7_LCM_AVDDN_CONN - @single_brd_lib.SINGLE_BRD | 18C4 | | | | | PP_LD014_2P65 | PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD | 16C2 | 21A4 | | | | | SAGE_VCM_IN_CONN | @single_brd_lib.SINGLE_BRD SAGE_VCM_IN_CONN - | 1 | | | | | | | | | | | | | | |

| 8 | | | 7 | | | 6 | | | 5 | | | 4 | | | 3 | | | 2 | | | 1 | | |
|---|---------------------------|--|-----------------------|---------------------|--|-----------|------------------------------|---|-----------|-----------------------|--|---------------------|---|--|---|--|--|---|--|--|---|--|--|
| D | Base Signal | Synonyms | Location([Zone][dir]) | 50_PDET_PAD | 50_PDET_PAD - @single_brd.lib.RADIO_MLB | 31D7 | 100_B5_B8_RX_MTCH_N | 100_B5_B8_RX_MTCH_N - @single_brd.lib.RADIO_MLB | 32C4 | 100_XCVR_DCS1800_RX_N | 100_XCVR_DCS1800_RX_N - @single_brd.lib.RADIO_MLB | 31B7 37C8 | D | | | | | | | | | | |
| | 2G_VBATT_IN | 2G_VBATT_IN - @single_brd.lib.RADIO_MLB | 36C4 | 50_PRI_ANT | 50_PRI_ANT - @single_brd.lib.RADIO_MLB | 37B1 41A5 | 100_B5_B8_RX_MTCH_P | 100_B5_B8_RX_MTCH_P - @single_brd.lib.RADIO_MLB | 32B4 | 100_XCVR_DCS1800_RX_P | 100_XCVR_DCS1800_RX_P - @single_brd.lib.RADIO_MLB | 31B7 37B8 | | | | | | | | | | | |
| | 50_3G_TX_B1_T | 50_3G_TX_B1_T - @single_brd.lib.RADIO_MLB | 38C8 | 50_RX_DCS | 50_RX_DCS - @single_brd.lib.RADIO_MLB | 37C4 | 100_BAND1_DUPLX_MATC_H_RX_N | 100_BAND1_DUPLX_MATC_H_RX_N - @single_brd.lib.RADIO_MLB | 38C2 | A0_PMCCLK | A0_PMCCLK - @single_brd.lib.RADIO_MLB | 28B3 | | | | | | | | | | | |
| | 50_3G_TX_B2_T | 50_3G_TX_B2_T - @single_brd.lib.RADIO_MLB | 39C8 | 50_RX_DCS_FIL | 50_RX_DCS_FIL - @single_brd.lib.RADIO_MLB | 37C5 | 100_BAND1_DUPLX_MATC_H_RX_P | 100_BAND1_DUPLX_MATC_H_RX_P - @single_brd.lib.RADIO_MLB | 38C2 | ADC_LDO6_RUIM_IV8 | ADC_LDO6_RUIM_IV8 - @single_brd.lib.SINGLE_BRD | 13B6 21C4 | | | | | | | | | | | |
| | 50_3G_TX_B5_T | 50_3G_TX_B5_T - @single_brd.lib.RADIO_MLB | 34C8 | 50_TXRX_B1_ASM | 50_TXRX_B1_ASM - @single_brd.lib.RADIO_MLB | 37C4 38B3 | 100_BAND1_DUPLX_RX_N | 100_BAND1_DUPLX_RX_N - @single_brd.lib.RADIO_MLB | 38C3 | ADC_LDO6_RUIM_IV8 | ADC_LDO6_RUIM_IV8 - @single_brd.lib.RADIO_MLB | 26D5 | | | | | | | | | | | |
| | 50_3G_TX_B8_T | 50_3G_TX_B8_T - @single_brd.lib.RADIO_MLB | 34D7 | 50_TXRX_B1_PAD_ANT | 50_TXRX_B1_PAD_ANT - @single_brd.lib.RADIO_MLB | 38B5 | 100_BAND1_DUPLX_RX_P | 100_BAND1_DUPLX_RX_P - @single_brd.lib.RADIO_MLB | 38C3 | ADC_LVS1 | ADC_LVS1 - @single_brd.lib.SINGLE_BRD | 13B6 21C4 | | | | | | | | | | | |
| | 50_3G_TX_B13_PA_T | 50_3G_TX_B13_PA_T - @single_brd.lib.RADIO_MLB | 35C6 | 50_TXRX_B1_PAD_MCH | 50_TXRX_B1_PAD_MCH - @single_brd.lib.RADIO_MLB | 38B5 | 100_BAND1_RX_N | 100_BAND1_RX_N - @single_brd.lib.RADIO_MLB | 31B7 38C1 | ADC_LVS1 | ADC_LVS1 - @single_brd.lib.RADIO_MLB | 26D5 | | | | | | | | | | | |
| | 50_3G_TX_B13_T | 50_3G_TX_B13_T - @single_brd.lib.RADIO_MLB | 35C8 | 50_TXRX_B2_ASM | 50_TXRX_B2_ASM - @single_brd.lib.RADIO_MLB | 37B4 39C1 | 100_BAND1_RX_P | 100_BAND1_RX_P - @single_brd.lib.RADIO_MLB | 31B7 38C1 | ADC_SMP31_MSMC_IV05 | ADC_SMP31_MSMC_IV05 - @single_brd.lib.SINGLE_BRD | 13C6 21C4 | | | | | | | | | | | |
| | 50_ASM_ANT | 50_ASM_ANT - @single_brd.lib.RADIO_MLB | 37B2 | 50_TXRX_B2_PAD_ANT | 50_TXRX_B2_PAD_ANT - @single_brd.lib.RADIO_MLB | 39C4 | 100_BAND2_RX_N | 100_BAND2_RX_N - @single_brd.lib.RADIO_MLB | 31B7 39B1 | ADC_SMP31_MSMC_IV05 | ADC_SMP31_MSMC_IV05 - @single_brd.lib.RADIO_MLB | 26D5 | | | | | | | | | | | |
| | 50_ASM_ANT_MCH | 50_ASM_ANT_MCH - @single_brd.lib.RADIO_MLB | 37B2 | 50_TXRX_B2_PAD_MCH | 50_TXRX_B2_PAD_MCH - @single_brd.lib.RADIO_MLB | 39C3 | 100_BAND2_RX_P | 100_BAND2_RX_P - @single_brd.lib.RADIO_MLB | 31B7 39C1 | ADC_SMP33_MSME_IV8 | ADC_SMP33_MSME_IV8 - @single_brd.lib.SINGLE_BRD | 13C6 21C4 | | | | | | | | | | | |
| C | 50_B2_DUPLX_RX | 50_B2_DUPLX_RX - @single_brd.lib.RADIO_MLB | 39C4 | 50_TXRX_B4_ASM | 50_TXRX_B4_ASM - @single_brd.lib.RADIO_MLB | 37C4 38B4 | 100_BAND4_DUPLX_MATC_H1_RX_N | 100_BAND4_DUPLX_MATC_H1_RX_N - @single_brd.lib.RADIO_MLB | 38B3 | AGG_CHANNEL | AGG_CHANNEL - @single_brd.lib.RADIO_MLB | 42A6 42B4 | C | | | | | | | | | | |
| | 50_B2_RX_BAL | 50_B2_RX_BAL - @single_brd.lib.RADIO_MLB | 39C3 | 50_TXRX_B4_PAD_ANT | 50_TXRX_B4_PAD_ANT - @single_brd.lib.RADIO_MLB | 38B5 | 100_BAND4_DUPLX_MATC_H1_RX_P | 100_BAND4_DUPLX_MATC_H1_RX_P - @single_brd.lib.RADIO_MLB | 38B2 | ANT_SEL_0 | ANT_SEL_0 - @single_brd.lib.RADIO_MLB | 30C2 37C1 | | | | | | | | | | | |
| | 50_BAND1_TX_INT_OUT | 50_BAND1_TX_INT_OUT - @single_brd.lib.RADIO_MLB | 38C6 | 50_TXRX_B4_PAD_MCH | 50_TXRX_B4_PAD_MCH - @single_brd.lib.RADIO_MLB | 38B5 | 100_BAND4_DUPLX_MATC_H_RX_N | 100_BAND4_DUPLX_MATC_H_RX_N - @single_brd.lib.RADIO_MLB | 38B2 | ANT_SEL_1 | ANT_SEL_1 - @single_brd.lib.RADIO_MLB | 26C3 30C2 37C1 | | | | | | | | | | | |
| | 50_BAND1_TX_IN_IN | 50_BAND1_TX_IN_IN - @single_brd.lib.RADIO_MLB | 38C7 | 50_TXRX_B5_ASM | 50_TXRX_B5_ASM - @single_brd.lib.RADIO_MLB | 34B7 37C4 | 100_BAND4_DUPLX_RX_N | 100_BAND4_DUPLX_RX_N - @single_brd.lib.RADIO_MLB | 38B4 | ANT_SEL_2 | ANT_SEL_2 - @single_brd.lib.RADIO_MLB | 26C1 30C2 37C1 | | | | | | | | | | | |
| | 50_BAND1_TX_PA_IN | 50_BAND1_TX_PA_IN - @single_brd.lib.RADIO_MLB | 38C6 | 50_TXRX_B5_PAD_ANT | 50_TXRX_B5_PAD_ANT - @single_brd.lib.RADIO_MLB | 34B5 | 100_BAND4_RX_N | 100_BAND4_RX_N - @single_brd.lib.RADIO_MLB | 31C7 38B1 | ANT_SEL_3 | ANT_SEL_3 - @single_brd.lib.RADIO_MLB | 30C2 37C1 | | | | | | | | | | | |
| | 50_BAND2_TX_INT_IN | 50_BAND2_TX_INT_IN - @single_brd.lib.RADIO_MLB | 39C7 | 50_TXRX_B5_PAD_MCH | 50_TXRX_B5_PAD_MCH - @single_brd.lib.RADIO_MLB | 34B6 | 100_BAND4_RX_P | 100_BAND4_RX_P - @single_brd.lib.RADIO_MLB | 31C7 38B1 | ANT_SEL_4 | ANT_SEL_4 - @single_brd.lib.RADIO_MLB | 30C2 37C1 | | | | | | | | | | | |
| | 50_BAND4_TX_IN | 50_BAND4_TX_IN - @single_brd.lib.RADIO_MLB | 38B7 | 50_TXRX_B8_ASM | 50_TXRX_B8_ASM - @single_brd.lib.RADIO_MLB | 34B1 37C4 | 100_BAND5_BAND8_RX_N | 100_BAND5_BAND8_RX_N - @single_brd.lib.RADIO_MLB | 31C7 32C3 | AP_HSIC1_RDY | AP_HSIC1_RDY - @single_brd.lib.SINGLE_BRD | 3B7 21A4 | | | | | | | | | | | |
| | 50_BAND4_TX_INT_OUT | 50_BAND4_TX_INT_OUT - @single_brd.lib.RADIO_MLB | 38B6 | 50_TXRX_B8_PAD_ANT | 50_TXRX_B8_PAD_ANT - @single_brd.lib.RADIO_MLB | 34B3 | 100_BAND5_BAND8_RX_P | 100_BAND5_BAND8_RX_P - @single_brd.lib.RADIO_MLB | 31C7 32B3 | AP_HSIC1_RDY | AP_HSIC1_RDY - @single_brd.lib.SINGLE_BRD | 26B6 26C1 26D8 30B2 | | | | | | | | | | | |
| | 50_BAND4_TX_PA_IN | 50_BAND4_TX_PA_IN - @single_brd.lib.RADIO_MLB | 38B6 | 50_TXRX_B8_PAD_MCH | 50_TXRX_B8_PAD_MCH - @single_brd.lib.RADIO_MLB | 34B2 | 100_BAND5_DUPLX_RX_N | 100_BAND5_DUPLX_RX_N - @single_brd.lib.RADIO_MLB | 34A5 | AP_HSIC3_RDY | AP_HSIC3_RDY - @single_brd.lib.SINGLE_BRD | 3B5 21D1 | | | | | | | | | | | |
| | 50_BAND5_TX_INT_IN | 50_BAND5_TX_INT_IN - @single_brd.lib.RADIO_MLB | 34C7 | 50_TXRX_B13_ASM | 50_TXRX_B13_ASM - @single_brd.lib.RADIO_MLB | 37B4 | 100_BAND5_DUPLX_RX_P | 100_BAND5_DUPLX_RX_P - @single_brd.lib.RADIO_MLB | 34A5 | AP_WAKE_MODEM | AP_WAKE_MODEM - @single_brd.lib.SINGLE_BRD | 26B8 42A4 42B3 | | | | | | | | | | | |
| B | 50_BAND5_TX_INT_OUT | 50_BAND5_TX_INT_OUT - @single_brd.lib.RADIO_MLB | 34C6 | 50_TX_3G_B8_FILT | 50_TX_3G_B8_FILT - @single_brd.lib.RADIO_MLB | 34D7 | 100_BAND5_RX_N | 100_BAND5_RX_N - @single_brd.lib.RADIO_MLB | 32B6 34A4 | AP_WAKE_MODEM | AP_WAKE_MODEM - @single_brd.lib.SINGLE_BRD | 26D8 30B4 | B | | | | | | | | | | |
| | 50_BAND5_TX_PA_IN | 50_BAND5_TX_PA_IN - @single_brd.lib.RADIO_MLB | 34C5 | 50_TX_B2 | 50_TX_B2 - @single_brd.lib.RADIO_MLB | 39C6 | 100_BAND5_RX_P | 100_BAND5_RX_P - @single_brd.lib.RADIO_MLB | 32C6 34A4 | B1B4_SELECT | B1B4_SELECT - @single_brd.lib.RADIO_MLB | 30B4 38D3 | | | | | | | | | | | |
| | 50_BAND8_TX_INT_OUT | 50_BAND8_TX_INT_OUT - @single_brd.lib.RADIO_MLB | 34D6 | 50_TX_B4_MCH | 50_TX_B4_MCH - @single_brd.lib.RADIO_MLB | 38B8 | 100_BAND8_DUPLX_RX_N | 100_BAND8_DUPLX_RX_N - @single_brd.lib.RADIO_MLB | 34B3 | B2_RX_BAL_TERM | B2_RX_BAL_TERM - @single_brd.lib.RADIO_MLB | 39B2 | | | | | | | | | | | |
| | 50_BAND8_TX_PA_IN | 50_BAND8_TX_PA_IN - @single_brd.lib.RADIO_MLB | 34D5 | 50_TX_G_HB_ASM | 50_TX_G_HB_ASM - @single_brd.lib.RADIO_MLB | 36B2 37B4 | 100_BAND8_DUPLX_RX_P | 100_BAND8_DUPLX_RX_P - @single_brd.lib.RADIO_MLB | 34B3 | BB_ERROR_FLAG | BB_ERROR_FLAG - @single_brd.lib.RADIO_MLB | 26C6 30C4 | | | | | | | | | | | |
| | 50_BAND13_DUPLX_ANT | 50_BAND13_DUPLX_ANT - @single_brd.lib.RADIO_MLB | 35C2 | 50_TX_G_HB_MCH | 50_TX_G_HB_MCH - @single_brd.lib.RADIO_MLB | 36C7 | 100_BAND8_RX_N | 100_BAND8_RX_N - @single_brd.lib.RADIO_MLB | 32B6 34B2 | BB_HSIC1_REMOTE_WAKE | BB_HSIC1_REMOTE_WAKE - @single_brd.lib.SINGLE_BRD | 3B7 21C4 | | | | | | | | | | | |
| | 50_BAND13_DUPLX_TX | 50_BAND13_DUPLX_TX - @single_brd.lib.RADIO_MLB | 35C3 | 50_TX_G_HB_PAIN | 50_TX_G_HB_PAIN - @single_brd.lib.RADIO_MLB | 36C6 | 100_BAND8_RX_P | 100_BAND8_RX_P - @single_brd.lib.RADIO_MLB | 32C6 34B2 | BB_HSIC1_REMOTE_WAKE | BB_HSIC1_REMOTE_WAKE - @single_brd.lib.SINGLE_BRD | 26C8 30B2 | | | | | | | | | | | |
| | 50_BAND13_PA_MATCH | 50_BAND13_PA_MATCH - @single_brd.lib.RADIO_MLB | 35C4 | 50_TX_G_HB_PAMCH | 50_TX_G_HB_PAMCH - @single_brd.lib.RADIO_MLB | 36B3 | 100_BAND13_DUPLX_MATC_H_RX_N | 100_BAND13_DUPLX_MATC_H_RX_N - @single_brd.lib.RADIO_MLB | 35C2 | BB_I2S_CLK | BB_I2S_CLK - @single_brd.lib.SINGLE_BRD | 3D4 21C4 | | | | | | | | | | | |
| | 50_BAND13_PA_OUT | 50_BAND13_PA_OUT - @single_brd.lib.RADIO_MLB | 35C4 | 50_TX_G_HB_PACOUT | 50_TX_G_HB_PACOUT - @single_brd.lib.RADIO_MLB | 36B4 | 100_BAND13_DUPLX_MATC_H_RX_P | 100_BAND13_DUPLX_MATC_H_RX_P - @single_brd.lib.RADIO_MLB | 35D2 | BB_I2S_RXD | BB_I2S_RXD - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_BAND13_TRX | 50_BAND13_TRX - @single_brd.lib.RADIO_MLB | 35C1 37B6 | 50_TX_G_LB_ASM | 50_TX_G_LB_ASM - @single_brd.lib.RADIO_MLB | 36B2 37B4 | 100_BAND13_DUPLX_RX_N | 100_BAND13_DUPLX_RX_N - @single_brd.lib.RADIO_MLB | 35C3 | BB_I2S_TXD | BB_I2S_TXD - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_BAND13_TRX_MATCH | 50_BAND13_TRX_MATCH - @single_brd.lib.RADIO_MLB | 35C2 | 50_TX_G_LB_MCH | 50_TX_G_LB_MCH - @single_brd.lib.RADIO_MLB | 36B7 | 100_BAND13_DUPLX_RX_P | 100_BAND13_DUPLX_RX_P - @single_brd.lib.RADIO_MLB | 35D3 | BB_I2S_WS | BB_I2S_WS - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| A | 50_BAND13_TX_INT_IN | 50_BAND13_TX_INT_IN - @single_brd.lib.RADIO_MLB | 35C7 | 50_TX_G_LB_PAIN | 50_TX_G_LB_PAIN - @single_brd.lib.RADIO_MLB | 36B6 | 100_BAND13_RX_N | 100_BAND13_RX_N - @single_brd.lib.RADIO_MLB | 31C7 35C1 | BB_I2S_WS | BB_I2S_WS - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | A | | | | | | | | | | |
| | 50_BAND13_TX_INT_OUT | 50_BAND13_TX_INT_OUT - @single_brd.lib.RADIO_MLB | 35C6 | 50_TX_G_LB_PAMCH | 50_TX_G_LB_PAMCH - @single_brd.lib.RADIO_MLB | 36B3 | 100_BAND13_RX_P | 100_BAND13_RX_P - @single_brd.lib.RADIO_MLB | 31C7 35D1 | BB_I2S_TXD | BB_I2S_TXD - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_BAND13_TX_PA_IN | 50_BAND13_TX_PA_IN - @single_brd.lib.RADIO_MLB | 35C5 | 50_TX_G_LB_PACOUT | 50_TX_G_LB_PACOUT - @single_brd.lib.RADIO_MLB | 36B4 | 100_DCS1800_RX_MATCH_N | 100_DCS1800_RX_MATCH_N - @single_brd.lib.RADIO_MLB | 37C7 | BB_I2S_TXD | BB_I2S_TXD - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_CM_TRAP_B5 | 50_CM_TRAP_B5 - @single_brd.lib.RADIO_MLB | 32C3 | 50_TX_PCS_1 | 50_TX_PCS_1 - @single_brd.lib.RADIO_MLB | 39C5 | 100_DCS1800_RX_MATCH_P | 100_DCS1800_RX_MATCH_P - @single_brd.lib.RADIO_MLB | 37B7 | BB_I2S_TXD | BB_I2S_TXD - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_CPL_B1_B4_OUT | 50_CPL_B1_B4_OUT - @single_brd.lib.RADIO_MLB | 34C3 38C3 | 50_TX_PCS_2 | 50_TX_PCS_2 - @single_brd.lib.RADIO_MLB | 39C5 | 100_DRX_B5_B8_SW_MATC_H_N | 100_DRX_B5_B8_SW_MATC_H_N - @single_brd.lib.RADIO_MLB | 40B3 | BB_I2S_WS | BB_I2S_WS - @single_brd.lib.SINGLE_BRD | 3D4 21C4 | | | | | | | | | | | |
| | 50_CPL_B1_B4_TERM | 50_CPL_B1_B4_TERM - @single_brd.lib.RADIO_MLB | 38C4 | 50_UPPER_ANT_FEED | 50_UPPER_ANT_FEED - @single_brd.lib.RADIO_MLB | 41D8 | 100_DRX_B5_B8_SW_MATC_P | 100_DRX_B5_B8_SW_MATC_P - @single_brd.lib.RADIO_MLB | 40B3 | BB_I2S_WS | BB_I2S_WS - @single_brd.lib.SINGLE_BRD | 26C8 30B4 | | | | | | | | | | | |
| | 50_CPL_B5_B8_OUT | 50_CPL_B5_B8_OUT - @single_brd.lib.RADIO_MLB | 34C3 35B5 | 50_UPPER_MCH_0 | 50_UPPER_MCH_0 - @single_brd.lib.RADIO_MLB | 41D7 | 100_DRX_B5_B8_SW_MATC_N | 100_DRX_B5_B8_SW_MATC_N - @single_brd.lib.RADIO_MLB | 40B4 40C2 | BB_JTAG_RTCLK | BB_JTAG_RTCLK - @single_brd.lib.RADIO_MLB | 26C3 29B3 | | | | | | | | | | | |
| | 50_CPL_B13_OUT | 50_CPL_B13_OUT - @single_brd.lib.RADIO_MLB | 35B5 39B5 | 50_UPPER_MCH_1 | 50_UPPER_MCH_1 - @single_brd.lib.RADIO_MLB | 41D6 | 100_DRX_B5_B8_SW_MATC_P | 100_DRX_B5_B8_SW_MATC_P - @single_brd.lib.RADIO_MLB | 40B4 40D2 | BB_JTAG_TCK | BB_JTAG_TCK - @single_brd.lib.SINGLE_BRD | 3B7 21D1 | | | | | | | | | | | |
| | 50_CPL_PDET | 50_CPL_PDET - @single_brd.lib.RADIO_MLB | 31D8 39C3 | 50_UPPER_MCH_2 | 50_UPPER_MCH_2 - @single_brd.lib.RADIO_MLB | 41D4 | 100_DRX_B13_B17_MATC_H_N | 100_DRX_B13_B17_MATC_H_N - @single_brd.lib.RADIO_MLB | 40A3 | BB_JTAG_TCK | BB_JTAG_TCK - @single_brd.lib.SINGLE_BRD | 26B8 26C3 29B5 | | | | | | | | | | | |
| | 50_DIVERSITY_SWITCH_MATCH | 50_DIVERSITY_SWITCH_MATCH - @single_brd.lib.RADIO_MLB | 40C6 | 50_UP_ANT_TEST | 50_UP_ANT_TEST - @single_brd.lib.RADIO_MLB | 37A2 41C1 | 100_DRX_B13_B17_MATC_P | 100_DRX_B13_B17_MATC_P - @single_brd.lib.RADIO_MLB | 40B4 | BB_JTAG_TDI | BB_JTAG_TDI - @single_brd.lib.SINGLE_BRD | 3B7 21D1 | | | | | | | | | | | |
| A | 50_DRX_ANT | 50_DRX_ANT - @single_brd.lib.RADIO_MLB | 37A2 40C7 | 50_UP_ANT_TEST_COAX | 50_UP_ANT_TEST_COAX - @single_brd.lib.RADIO_MLB | 41C3 | 100_DRX_B13_B17_SW_N | 100_DRX_B13_B17_SW_N - @single_brd.lib.RADIO_MLB | 40A4 40D2 | BB_JTAG_TDI | BB_JTAG_TDI - @single_brd.lib.SINGLE_BRD | 26B8 26C3 29B5 | A | | | | | | | | | | |
| | 50_DRX_ASM_MCH | 50_DRX_ASM_MCH - @single_brd.lib.RADIO_MLB | 40C6 | 50_WIFI_ANT_FD | 50_WIFI_ANT_FD - @single_brd.lib.RADIO_MLB | 42D5 | 100_DRX_B13_B17_SW_P | 100_DRX_B13_B17_SW_P - @single_brd.lib.RADIO_MLB | 40B4 40D2 | BB_JTAG_TDO | BB_JTAG_TDO - @single_brd.lib.SINGLE_BRD | 3B7 21D1 | | | | | | | | | | | |
| | 50_DRX_B3_MATCH | 50_DRX_B3_MATCH - @single_b | | | | | | | | | | | | | | | | | | | | | |

| 8 | | | | 7 | | | | 6 | | | | 5 | | | | 4 | | | | 3 | | | | 2 | | | | 1 | | | | | | | | | |
|---|---------------|----------------------------|------|------|------|--|---------------------|-----------------------------------|-------------------------------------|------|------|------|------|------|--|------------------|--------------------|---------------------------|-------------------------------------|------------------------------------|------|------|---------------|-------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|------|------|--|--|
| D | BT_PCM_IN | @single_brd_lib.SINGLE_BRD | | | | | | PA_R0 | @single_brd_lib.RADIO_MLB | 30A4 | 34C2 | 35B7 | 36B5 | 38D3 | | PP_SMPS4_RF2_2V0 | PP_SMPS4_RF2_2V0 - | 29D8 | 30B8 | 30C4 | 33A4 | | WAN_GP_DATA2 | WAN_GP_DATA2 - | 30B2 | 31C4 | | | | | | | | | | | |
| | | BT_PCM_CLK - | 26B8 | 42B3 | | | | PA_R0 - @single_brd_lib.RADIO_MLB | | | | | | | | | PP_SMPS5_DSP_1V05 | @single_brd_lib.RADIO_MLB | 27A7 | 27B1 | 33C5 | | WLAN_BUCK_OUT | WLAN_BUCK_OUT - | | 42C7 | | | | | | | | | | | |
| | | @single_brd_lib.RADIO_MLB | | | | | | PA_R1 | @single_brd_lib.RADIO_MLB | 30C2 | 34C2 | 35C7 | 38D3 | | | | PP_SYNC | BB_PP_SYNC - | 3A5 | 21C4 | | | WLAN_CLK32K | WLAN_CLK32K - | | 42C7 | | | | | | | | | | | |
| | | I2S3_DOUT - | 3C4 | 21B4 | | | | PBL_RUN_BB_HSIC1_RDY | PBL_RUN_BB_HSIC1_RDY - | 3A7 | 21D4 | | | | | | | PP_VREG | @single_brd_lib.SINGLE_BRD | 26C8 | 30B2 | | | WLAN_HSIC3_RESUME | WLAN_HSIC3_RESUME - | 3B7 | 21A4 | | | | | | | | | | |
| | | @single_brd_lib.SINGLE_BRD | | | | | | I2S3_DIW | @single_brd_lib.SINGLE_BRD | 26B6 | 26C1 | 26D8 | 30B2 | | | | PP_VSW_S1 | PP_VSW_S1 - | 27D4 | | | | | WLAN_REG_ON | WLAN_REG_ON - | | 26D8 | 42B5 | | | | | | | | | |
| | | BT_PCM_OUT | 26B8 | 42B3 | | | | PMIC_RESOUT_L | @single_brd_lib.RADIO_MLB | 26C1 | 28C6 | 29B5 | | | | | | PP_VSW_S2 | PP_VSW_S2 - | 27C4 | | | | | | WLAN_REG_ON | WIFI_REG_ON - | 13B7 | 21C4 | | | | | | | | |
| | | @single_brd_lib.RADIO_MLB | | | | | | PMIC_SSB1 | @single_brd_lib.RADIO_MLB | 26C6 | 28C8 | 29A5 | | | | | | PP_VSW_S3 | PP_VSW_S3 - | 27C4 | | | | | | | WLAN_REG_ON | WLAN_REG_ON - | 26C1 | 26C8 | 42A4 | 42A8 | 42C7 | | | | |
| | | BT_PCM_SYNC | 3C4 | 21B4 | | | | PM_MDM_IRQ_L | PM_MDM_IRQ_L - | 28C6 | 30B2 | | | | | | | PP_VSW_S4 | PP_VSW_S4 - | 27B4 | | | | | | | | WLAN_REG_ON | WLAN_REG_ON - | | | | | | | | |
| | | BT_REG_ON | 26B8 | 42B3 | | | | FM_USR_IRQ_L | @single_brd_lib.RADIO_MLB | 28C6 | 30A2 | | | | | | | PP_VSW_S5 | @single_brd_lib.RADIO_MLB | 27B3 | | | | | | | | WLAN_SR_VLXI | WLAN_SR_VLXI - | | 42B7 | | | | | | |
| | | BT_REG_ON - | 26B8 | 26C1 | 42C7 | | | PP_BATT_VCC_CONN | PP_BATT_VCC - | 8C7 | 12D8 | 14D7 | 19D7 | 21C5 | | | | PP_WLAN_VDDIO_1V8 | @single_brd_lib.RADIO_MLB | 42C5 | | | | | | | | WLAN_TX_BLANK | WLAN_TX_BLANK - | 30B2 | 42A4 | | | | | | |
| C | BT_UART_CTS_L | @single_brd_lib.SINGLE_BRD | | | | | PP_LD01 | @single_brd_lib.RADIO_MLB | 21C7 | 21D4 | 22D8 | | | | | | PP_WL_BT_VDDIO_AP | PP_WL_BT_VDDIO_AP - | 12C7 | 13A7 | 15C5 | 21C4 | | WLAN_UART_RXD | WLAN_UART_RXD - | 3A5 | 21C4 | | | | | | | | | | |
| | | BT_UART_CTS_L - | 3B5 | 21B4 | | | | PP_LD02_XO_HS_1V8 | PP_LD02_XO_HS_1V8 - | 27B2 | 29B5 | 33A5 | | | | | | PP_XO_1P8_FILT | PP_XO_1P8_FILT - | 33A4 | 33C3 | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | | | | | | |
| | | BT_UART_RTS_L | 3B5 | 21B4 | | | | PP_LD03_AMUX_1V8 | PP_LD03_AMUX_1V8 - | 27B2 | 28B5 | 28D4 | 29B6 | | | | | PRX_BB_B8_1 | PRX_BB_B8_1 - | 30B2 | 32B4 | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | | | | | |
| | | BT_UART_CTS_L | 26B8 | 42B3 | | | | PP_LD03_AMUX_1V8 | PP_LD03_AMUX_1V8 - | 27B2 | 28B5 | 28D4 | 29B6 | | | | | PRX_BB_I_N | PRX_BB_I_N - | 30C8 | 31C7 | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | | | | |
| | | BT_UART_CTS_L - | 26B8 | 42B3 | | | | PP_LD04_VDDA_3V3 | PP_LD04_VDDA_3V3 - | 27B2 | 29B6 | | | | | | | PRX_BB_I_P | @single_brd_lib.RADIO_MLB | 30C8 | 31C7 | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | | | |
| | | BT_UART_RTS_L | 3B5 | 21B4 | | | | PP_LD05_GPS_LNA_2V5 | PP_LD05_GPS_LNA_2V5 - | 27B2 | 41C6 | | | | | | | PRX_BB_Q_N | PRX_BB_Q_N - | 30C8 | 31C7 | | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | | |
| | | BT_UART_RTS_L | 3B5 | 21B4 | | | | PP_LD05_GPS_LNA_2V5_CONN | PP_LD05_GPS_LNA_2V5_CONN - | 41C8 | | | | | | | | PRX_BB_Q_P | PRX_BB_Q_P - | 30C8 | 31C7 | | | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | | |
| | | BT_UART_TXD | 26B5 | 26B8 | 42C3 | | | PP_LD06_RUIM_1V8 | @single_brd_lib.RADIO_MLB | 29A6 | 26A6 | 26D1 | 26D6 | 27A2 | | | | | PS_HOLD | PS_HOLD - | 28C8 | 30B2 | | | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | |
| | | BT_UART_TXD - | 26B5 | 26B8 | 42C3 | | | PP_LD07_DAC_1V8 | @single_brd_lib.RADIO_MLB | 27A2 | 29A6 | 30C6 | | | | | | PS_HOLD_PMIC | @single_brd_lib.RADIO_MLB | 26C3 | 28C7 | | | | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | | |
| | | BT_UART_RXD | 3B5 | 21B4 | | | | PP_LD08_VDDPX_1V2 | @single_brd_lib.RADIO_MLB | 27A2 | 29A6 | | | | | | | | RADIO_ON_L | RADIO_ON_L - | 3A7 | 21D4 | | | | | | | | | WLAN_UART_TXD | WLAN_UART_TXD - | 26C8 | 42A4 | 42B4 | | |
| B | BT_WAKE | @single_brd_lib.RADIO_MLB | | | | | PP_LD09_PLL_1V05 | PP_LD09_PLL_1V05 - | 27A2 | 29B6 | 29B8 | 29D8 | | | | | | REF_BYP_8014_F2 | REF_BYP_8014_F2 - | 27C6 | | | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 26D1 | 42C3 | | | PP_LD010_ADSP_1V05 | @single_brd_lib.RADIO_MLB | 27A2 | 29C6 | 29D7 | | | | | | RESET_DET_L | RESET_DET_L - | 3A5 | 21D4 | | | | | | | | | | | | | | | | |
| | | BT_WAKE - | 13B6 | 13C6 | 21B4 | | | PP_LD011_MDSP_FW_1V0 | PP_LD011_MDSP_FW_1V0 - | 27A2 | 29C6 | 29D6 | | | | | | RESET_DET_L | @single_brd_lib.SINGLE_BRD | 26C1 | 26D8 | 30B4 | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 26D1 | 42C3 | | | PP_LD012_MDSP_SW_1V0 | PP_LD012_MDSP_SW_1V0 - | 27A2 | 29B6 | 29D7 | | | | | | | RESET_PMU_L | RESET_PMU_L - | 13B7 | 21D4 | | | | | | | | | | | | | | | |
| | | BT_WAKE - | 26B8 | 26D1 | 42C3 | | | PP_LD013_VDDPX_2V95 | PP_LD013_VDDPX_2V95 - | 27A2 | 29A8 | | | | | | | | RESET_PMU_L | @single_brd_lib.SINGLE_BRD | 26D3 | 26D8 | 28C8 | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 42A4 | 42A6 | | | PP_LD014_2P65 | PP_LD014_2P65 - | 16C2 | 21A4 | | | | | | | | RF_CLK | @single_brd_lib.RADIO_MLB | 28B1 | 31D8 | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 42A4 | 42A6 | | | PP_LD014_2P65 | @single_brd_lib.SINGLE_BRD | 26B8 | 27A2 | 32C6 | 37C3 | 40D6 | | | | RF_RESET_L | RF_RESET_L - | 21D4 | 22B8 | | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 42A4 | 42A6 | | | PP_LD014_2P65 | PP_LD014_2P65 - | 41D5 | | | | | | | | RF_RESET_L | @single_brd_lib.RADIO_MLB | 26C3 | 26D8 | | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 42A4 | 42A6 | | | PP_LVS1 | PP_LVS1 - @single_brd_lib.RADIO_MLB | 26C6 | 27D1 | 29B6 | | | | | | | RF_RESET_L | @single_brd_lib.SINGLE_BRD | 21D4 | 22B8 | | | | | | | | | | | | | | | |
| | | BT_WAKE | 26B8 | 42A4 | 42A6 | | | PP_PA | PP_PA - @single_brd_lib.RADIO_MLB | 34C5 | 35D5 | 36C5 | 36D5 | 38D5 | | | | | RF_RESET_L | @single_brd_lib.RADIO_MLB | 26C3 | 26D8 | | | | | | | | | | | | | | | |
| A | CLK32K_AP | @single_brd_lib.RADIO_MLB | | | | | PP_RF1_1_PRX_VCO | PP_RF1_1_PRX_VCO - | 33C3 | 33D3 | | | | | | | | RREFEXT | RREFEXT - @single_brd_lib.RADIO_MLB | 29A5 | | | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_2_4 | @single_brd_lib.RADIO_MLB | 33C7 | | | | | | | | RSVD | RSVD - @single_brd_lib.RADIO_MLB | 28B3 | | | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_2_TX_VCO | PP_RF1_2_TX_VCO - | 33C6 | 33D3 | | | | | | | RTR_SSB1_PRX_DRX | RTR_SSB1_PRX_DRX - | 30B2 | 31C1 | | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_3_20_23 | @single_brd_lib.RADIO_MLB | 33B7 | | | | | | | | RTR_SSB1_TX_GPS | RTR_SSB1_TX_GPS - | 30B2 | 31C1 | | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_3_20_23_GPS_P | PP_RF1_3_20_23_GPS_P - | 33A6 | 33C3 | | | | | | | | S1_GND | S1_GND - @single_brd_lib.RADIO_MLB | 27C3 | 27C7 | 28B6 | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_3_20_23_RX_PL | @single_brd_lib.RADIO_MLB | 33B6 | 33C3 | | | | | | | | S2_GND | S2_GND - @single_brd_lib.RADIO_MLB | 27C7 | 28B6 | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_3_20_23_RX_PLL | @single_brd_lib.RADIO_MLB | 33B6 | 33C3 | | | | | | | | S3_GND | S3_GND - @single_brd_lib.RADIO_MLB | 27C3 | 27C7 | 28B6 | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_3_20_23_TX_PL | @single_brd_lib.RADIO_MLB | 33A6 | 33C3 | | | | | | | | S4_GND | S4_GND - @single_brd_lib.RADIO_MLB | 27C7 | 28B6 | | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_4_TX_LO | @single_brd_lib.RADIO_MLB | 33C3 | 33C6 | | | | | | | | S5_GND | S5_GND - @single_brd_lib.RADIO_MLB | 27B3 | 27C8 | 28B6 | | | | | | | | | | | | | | |
| | | CLK32K_WIFI | 13B6 | 13C6 | 21B4 | | | PP_RF1_5_8_9 | PP_RF1_5_8_9 - | 33B7 | | | | | | | | | SIMCRD_CLK_CONN | SIMCRD_CLK_CONN - | 26A3 | 26A6 | 26C1 | 30C4 | | | | | | | | | | | | | |
| A | DO_EN | @single_brd_lib.RADIO_MLB | | | | | PP_RF1_5_PRE_DRIVER | PP_RF1_5_PRE_DRIVER - | 33B6 | 33C3 | | | | | | | | SIMCRD_I_O_CONN | SIMCRD_I_O_CONN - | 26A4 | 26A4 | 26C1 | 30C4 | | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 28B2 | 29A5 | | | | PP_RF1_8_TX_MIXER_LB | PP_RF1_8_TX_MIXER_LB - | 33B6 | 33C3 | | | | | | | | SIMCRD_RST_CONN | SIMCRD_RST_CONN - | 26A4 | 26A6 | 26C1 | 30C4 | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_9_HB_DA | PP_RF1_9_HB_DA - | 33B6 | 33C3 | | | | | | | | SIM_TRAY_DETECT | SIM_TRAY_DETECT - | 26A3 | 26A4 | 26C1 | 30C4 | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_10_RX_TX_TX_D | PP_RF1_10_RX_TX_TX_D - | 33D5 | | | | | | | | | SLEEP_CLK_32K | SLEEP_CLK_32K - | 26C6 | 28B2 | 29B5 | | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_11_12_RX_TX_TX_D | PP_RF1_11_12_RX_TX_TX_D - | 33C3 | 33D3 | | | | | | | | SPI2_CLK | SPI2_CLK - | 30C4 | 41D5 | | | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_11_12_RX_TX_TX_D | PP_RF1_11_12_RX_TX_TX_D - | 33C3 | 33D3 | | | | | | | | SPI2_CS_L | SPI2_CS_L - | 30C4 | 41D5 | | | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_11_PDET_TX | @single_brd_lib.RADIO_MLB | 33C3 | 33D3 | | | | | | | | SPI2_DATA_MOSI | SPI2_DATA_MOSI - | 30C4 | 41D5 | | | | | | | | | | | | | | | |
| | | DCDC_ADJ - | 30A2 | 36D8 | | | | PP_RF1_12_DIG | @single_brd_lib.RADIO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|--------------|------------------|------|------------|------------------|---------|--------------|-------------------------------|------|--------------|------------------|
| D | Title: Cref Part Report Design: single_brd Date: Apr 30 16:27:24 2012 | | | C113 | CAP_01005 | single_brd[4A7] | C218_RF | CAP_0201-MUR | radio_mlb[27A4]single_brd[21] | C326 | CAP_01005 | single_brd[13C4] |
| | BS1 | PCB_STANDOFF | single_brd[21B7] | C114 | CAP_01005 | single_brd[4A6] | C219 | CAP_402 | single_brd[9C6] | C327 | CAP_0402-1 | single_brd[13B3] |
| | BS2 | PCB_STANDOFF | single_brd[21B7] | C115 | CAP_0204 | single_brd[5C6] | C219_RF | CAP_0201-MUR | radio_mlb[27A4]single_brd[21] | C328 | CAP_0201-MUR | single_brd[13B3] |
| | BS3 | PCB_STANDOFF | single_brd[21B7] | C116 | CAP_0201 | single_brd[5B6] | C220 | CAP_01005 | single_brd[10C7] | C329 | CAP_0402-2 | single_brd[12C1] |
| | BS4 | PCB_STANDOFF | single_brd[21B7] | C117 | CAP_01005 | single_brd[4A6] | C220_RF | CAP_0402-1 | radio_mlb[27A3]single_brd[21] | C330 | CAP_0402-2 | single_brd[12C1] |
| | BS5 | PCB_STANDOFF | single_brd[21B7] | C118 | CAP_01005 | single_brd[4A5] | C221 | CAP_01005 | single_brd[10C7] | C331 | CAP_0603-1 | single_brd[14D6] |
| | C1 | CAP_01005 | single_brd[2A6] | C119 | CAP_0402-1 | single_brd[9A5] | C221_RF | CAP_0402-1 | radio_mlb[27A3]single_brd[21] | C332 | CAP_0402-2 | single_brd[14D7] |
| | C2 | CAP_0201 | single_brd[2C6] | C120 | CAP_01005 | single_brd[4A5] | C222 | CAP_01005 | single_brd[9C7] | C333 | CAP_0402-2 | single_brd[14D7] |
| | C3 | CAP_0204 | single_brd[6D3] | C121 | CAP_0204 | single_brd[5D6] | C222_RF | CAP_0402-1 | radio_mlb[27A3]single_brd[21] | C334 | CAP_0201-MUR | single_brd[14B8] |
| | C4 | CAP_01005 | single_brd[7D5] | C122 | CAP_0610 | single_brd[5C6] | C223 | CAP_01005 | single_brd[9C7] | C335 | CAP_0402-2 | single_brd[14D7] |
| C | C5 | CAP_01005 | single_brd[7D5] | C123 | CAP_0402-1 | single_brd[13B2] | C223_RF | CAP_01005 | radio_mlb[27B8]single_brd[21] | C336 | CAP_01005 | single_brd[14B8] |
| | C6 | CAP_01005 | single_brd[7D3] | C124 | CAP_0204 | single_brd[5C6] | C224 | CAP_01005 | single_brd[9C7] | C337 | CAP_0201-1 | single_brd[14D6] |
| | C7 | CAP_01005 | single_brd[7B4] | C125 | CAP_0402 | single_brd[13A1] | C225 | CAP_01005 | single_brd[9C7] | C338 | CAP_0201-MUR | single_brd[15B4] |
| | C8 | CAP_01005 | single_brd[7D5] | C126 | CAP_0402-1 | single_brd[5C7] | C226 | CAP_01005 | single_brd[10C6] | C339 | CAP_201 | single_brd[14D4] |
| | C9 | CAP_01005 | single_brd[21C6] | C127 | CAP_0201 | single_brd[16B6] | C226_RF | CAP_0402 | radio_mlb[27C8]single_brd[21] | C340 | CAP_402 | single_brd[14D3] |
| | C10 | CAP_201 | single_brd[12D5] | C128 | CAP_0201 | single_brd[5B6] | C227 | CAP_01005 | single_brd[9C7] | C341 | CAP_0201-MUR | single_brd[14D3] |
| | C11 | CAP_0201 | single_brd[14A1] | C129 | CAP_0402 | single_brd[18C2] | C228 | CAP_01005 | single_brd[9C7] | C342 | CAP_0201 | single_brd[14D5] |
| | C12 | CAP_01005 | single_brd[16B6] | C130 | CAP_01005 | single_brd[17C7] | C229 | CAP_01005 | single_brd[10C6] | C343 | CAP_0201 | single_brd[17D2] |
| | C13 | CAP_01005 | single_brd[16B6] | C131 | CAP_0402 | single_brd[13A2] | C229_RF | CAP_0402-1 | radio_mlb[27A3]single_brd[21] | C344 | CAP_01005 | single_brd[14B2] |
| | C14 | CAP_01005 | single_brd[16B5] | C132 | CAP_01005 | single_brd[13B2] | C230 | CAP_01005 | single_brd[9C7] | C345 | CAP_01005 | single_brd[14B2] |
| B | C15 | CAP_01005 | single_brd[16B5] | C133 | CAP_0610 | single_brd[5C7] | C230_RF | CAP_0402-1 | radio_mlb[27A2]single_brd[21] | C346 | CAP_01005 | single_brd[19A5] |
| | C16 | CAP_0402-2 | single_brd[12D8] | C134 | CAP_0204 | single_brd[5C6] | C231 | CAP_01005 | single_brd[9C6] | C347 | CAP_0201-MUR | single_brd[14B1] |
| | C17 | CAP_01005 | single_brd[11B4] | C135 | CAP_0402-1 | single_brd[13B1] | C231_RF | CAP_0201-MUR | radio_mlb[27D3]single_brd[21] | C348 | CAP_0603-1 | single_brd[14D5] |
| | C18 | CAP_01005 | single_brd[18D3] | C136 | CAP_01005 | single_brd[6C5] | C232 | CAP_402 | single_brd[10C4] | C349 | CAP_201 | single_brd[12A4] |
| | C19 | CAP_01005 | single_brd[18D3] | C137 | CAP_201 | single_brd[17B4] | C233 | CAP_402 | single_brd[10C4] | C350 | CAP_0402 | single_brd[18C2] |
| | C20 | CAP_01005 | single_brd[2D6] | C138 | CAP_01005 | single_brd[10C2] | C233_RF | CAP_01005 | radio_mlb[27C2]single_brd[21] | C351 | CAP_0402 | single_brd[18C1] |
| | C21 | CAP_01005 | single_brd[2D6] | C139 | CAP_01005 | single_brd[17B3] | C234 | CAP_402 | single_brd[10B5] | C352 | CAP_01005 | single_brd[16C2] |
| | C22 | CAP_01005 | single_brd[2D6] | C140 | CAP_0402 | single_brd[12C3] | C234_RF | CAP_0201-MUR | radio_mlb[27A5]single_brd[21] | C353 | CAP_0402 | single_brd[18C1] |
| | C23 | CAP_0201 | single_brd[2C7] | C141 | CAP_0402-1 | single_brd[5D3] | C235 | CAP_01005 | single_brd[10B2] | C354 | CAP_01005 | single_brd[10C6] |
| | C24 | CAP_01005 | single_brd[2D6] | C142 | CAP_0402-1 | single_brd[5D3] | C235_RF | CAP_0402-1 | radio_mlb[27B8]single_brd[21] | C355 | CAP_01005 | single_brd[16C3] |
| A | C25 | CAP_0201 | single_brd[2C6] | C143 | CAP_01005 | single_brd[10B2] | C236 | CAP_01005 | single_brd[10B2] | C356 | CAP_01005 | single_brd[10C6] |
| | C26 | CAP_01005 | single_brd[9C6] | C144 | CAP_01005 | single_brd[6C5] | C236_RF | CAP_0402-1 | radio_mlb[27B8]single_brd[21] | C357 | CAP_0402-2 | single_brd[12C8] |
| | C27 | CAP_0201-MUR | single_brd[11B4] | C145 | CAP_0402 | single_brd[12D3] | C237 | CAP_402 | single_brd[10B6] | C358 | CAP_0402-2 | single_brd[12C8] |
| | C28 | CAP_0201 | single_brd[3C6] | C146 | CAP_0201 | single_brd[17B4] | C237_RF | CAP_0402-1 | radio_mlb[27B8]single_brd[21] | C359 | CAP_01005 | single_brd[16C3] |
| | C29 | CAP_0201-MUR | single_brd[14D3] | C147 | CAP_01005 | single_brd[17B4] | C238 | CAP_402 | single_brd[10B6] | C360 | CAP_01005 | single_brd[14C3] |
| | C30 | CAP_0610 | single_brd[5A7] | C148 | CAP_0201 | single_brd[17A6] | C239 | CAP_0402 | single_brd[17A6] | C361 | CAP_01005 | single_brd[14D2] |
| | C31 | CAP_201 | single_brd[12A5] | C149 | CAP_0402-1 | single_brd[17D4] | C240 | CAP_01005 | single_brd[16B3] | C362 | CAP_01005 | single_brd[14A3] |
| | C32 | CAP_01005 | single_brd[2D4] | C150 | CAP_01005 | single_brd[17B3] | C241 | CAP_01005 | single_brd[8B3] | C363 | CAP_01005 | single_brd[14C2] |
| | C33 | CAP_0402-2 | single_brd[12D8] | C151 | CAP_0204 | single_brd[5C3] | C242 | CAP_01005 | single_brd[16D7] | C364 | CAP_01005 | single_brd[21C8] |
| | C34 | CAP_01005 | single_brd[2D4] | C152 | CAP_0610 | single_brd[5D3] | C243 | CAP_01005 | single_brd[18D3] | C365 | CAP_01005 | single_brd[21C8] |

96

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| 8 | | | 7 | | | 6 | | | 5 | | | 4 | | | 3 | | | 2 | | | 1 | | |
|-----------|----------------------------|-------------------------------|-------------------------------|------------------|-------------------------------|------------------|-----------------------|--|-----------------------------|-------------------------------|-------------------------------|-------------------------------|---|-------------------------------|---|--|--|---|--|--|---|--|--|
| D | L1713_RF | IND_01005 | radio_mlb[41C4]single_brd[21] | R66 | RES_01005 | single_brd[14C4] | TP4 | TP_TP-P6 | single_brd[22D7] | XW29 | SHORT_SM | single_brd[13B6] | D | | | | | | | | | | |
| | L1715_RF | IND_03015 | radio_mlb[41D3]single_brd[21] | R67 | RES_01005 | single_brd[28E] | TP5 | TP_TP-P6 | single_brd[22C7] | XW30 | SHORT_SM | single_brd[13B6] | | | | | | | | | | | |
| | L1716_RF | IND_01005 | radio_mlb[41B6]single_brd[21] | R68 | RES_01005 | single_brd[5D7] | TP6 | TP_TP-P6 | single_brd[22C7] | XW31 | SHORT_SM | single_brd[20B6] | | | | | | | | | | | |
| | L1724_RF | IND_03015 | radio_mlb[41D8]single_brd[21] | R69 | RES_01005 | single_brd[14D2] | TP7 | TP_TP-P6 | single_brd[22C7] | XW32 | SHORT10LP1_WITH_ALTS | single_brd[2B1] | | | | | | | | | | | |
| | L1726_RF | FILTER_2P_01005 | radio_mlb[41C7]single_brd[21] | R70 | RES_01005 | single_brd[12C7] | TP8 | TP_TP-P6 | single_brd[22B7] | XW33 | SHORT10LP1_WITH_ALTS | single_brd[12A3] | | | | | | | | | | | |
| | L1732_RF | IND_03015 | radio_mlb[41D6]single_brd[21] | R71 | RES_01005 | single_brd[2B3] | TP9 | TP_TP-P6 | single_brd[22B7] | | SHORT10LP1_WITH_ALTS | single_brd[12A3] | | | | | | | | | | | |
| | L1812_RF | IND_0201 | radio_mlb[42D5]single_brd[21] | R72 | RES_01005 | single_brd[4D7] | TP10 | TP_TP-P6 | single_brd[22B4] | XW34 | SHORT_SM | single_brd[17B4] | | | | | | | | | | | |
| | PP1 | PROBEPOINT_SM | single_brd[28E] | R73 | RES_01005 | single_brd[4D7] | TP15 | TP_TP-P6 | single_brd[22C6] | | SHORT_SM | single_brd[17A4] | | | | | | | | | | | |
| | PP2 | PROBEPOINT_SM | single_brd[6B7] | R74 | RES_01005 | single_brd[6C2] | TP16 | TP_TP-P6 | single_brd[22C6] | XW35 | SHORT_SM | single_brd[17A4] | | | | | | | | | | | |
| | PP3 | PROBEPOINT_SM | single_brd[6B7] | R75 | RES_01005 | single_brd[14D2] | TP17 | TP_TP-P6 | single_brd[22C6] | | SHORT_SM | single_brd[17D5] | | | | | | | | | | | |
| | PP4 | PROBEPOINT_SM | single_brd[28E] | R76 | RES_01005 | single_brd[3C7] | TP18 | TP_TP-P6 | single_brd[22D4] | XW37 | SHORT_SM | single_brd[17B4] | | | | | | | | | | | |
| | PP5 | PROBEPOINT_SM | single_brd[6B4] | R77 | RES_01005 | single_brd[5C7] | TP19 | TP_TP-P6 | single_brd[22D4] | | XW38 | SHORT_SM | | single_brd[16C3] | | | | | | | | | |
| | PP6 | PROBEPOINT_SM | single_brd[6B4] | R78 | RES_01005 | single_brd[6C7] | TP20 | TP_TP-P6 | single_brd[22D4] | XW201_RF | SHORT10LP1_WITH_ALTS | radio_mlb[26D5]single_brd[21] | | | | | | | | | | | |
| | PP7 | PROBEPOINT_SM | single_brd[17C7] | R79 | RES_01005 | single_brd[17B5] | TP21 | TP_TP-P55 | single_brd[22C4] | XW202_RF | SHORT10LP1_WITH_ALTS | radio_mlb[26D5]single_brd[21] | | | | | | | | | | | |
| | PP8 | PROBEPOINT_SM | single_brd[17C7] | R80 | RES_01005 | single_brd[17A6] | TP22 | TP_TP-P55 | single_brd[22C4] | | SHORT10LP1_WITH_ALTS | radio_mlb[26D5]single_brd[21] | | | | | | | | | | | |
| | PP9 | PROBEPOINT_SM | single_brd[17A6] | R81 | RES_01005 | single_brd[8C7] | TP23 | TP_TP-P55 | single_brd[22C4] | XW204_RF | SHORT10LP1_WITH_ALTS | radio_mlb[26D5]single_brd[21] | | | | | | | | | | | |
| | PP10 | PROBEPOINT_SM | single_brd[6B7] | R82 | RES_01005 | single_brd[6C6] | TP24 | TP_TP-P55 | single_brd[22C4] | | SHORT10LP1_WITH_ALTS | radio_mlb[26D5]single_brd[21] | | | | | | | | | | | |
| | PP11 | PROBEPOINT_SM | single_brd[17B7] | R83 | RES_01005 | single_brd[15C7] | TP25 | TP_TP-P6 | single_brd[22B4] | XW206_RF | SHORT10LP1_WITH_ALTS | radio_mlb[26C5]single_brd[21] | | | | | | | | | | | |
| | PP14 | PROBEPOINT_SM | single_brd[3D2] | R84 | RES_01005 | single_brd[15B7] | TP26 | TP_TP-P6 | single_brd[22B4] | | SHORT10LP25_WITH_ALT | radio_mlb[27C2]single_brd[21] | | | | | | | | | | | |
| | PP16 | PROBEPOINT_SM | single_brd[3D2] | R85 | RES_01005 | single_brd[11B3] | TP27 | TP_TP-P6 | single_brd[22B4] | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | | |
| | PP18 | PROBEPOINT_SM | single_brd[17B1] | R86 | RES_01005 | single_brd[17C5] | TP28 | TP_TP-P6 | single_brd[22A6] | XW207_RF | SHORT10LP25_WITH_ALT | radio_mlb[27C2]single_brd[21] | | | | | | | | | | | |
| | PP101_RF | PROBEPOINT_SM | radio_mlb[26C6]single_brd[21] | R87 | RES_01005 | single_brd[13C2] | TP29 | TP_TP-P6 | single_brd[22A6] | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | |
| | PP102_RF | PROBEPOINT_SM | radio_mlb[42A4]single_brd[21] | R88 | RES_01005 | single_brd[15B3] | TP32 | TP_TP-P6 | single_brd[22B4] | XW208_RF | SHORT10LP25_WITH_ALT | radio_mlb[28B6]single_brd[21] | | | | | | | | | | | |
| | PP103_RF | PROBEPOINT_SM | radio_mlb[26B6]single_brd[21] | R89 | RES_01005 | single_brd[18C6] | U1 | H5P_FC MSP | single_brd[2C5] | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | |
| | PP104_RF | PROBEPOINT_SM | radio_mlb[26B6]single_brd[21] | R90 | THERMISTTER_0201 | single_brd[12A4] | U1 | H5P_FC MSP | single_brd[3D4 3B7] | XW209_RF | SHORT10LP25_WITH_ALT | radio_mlb[27B2]single_brd[21] | | | | | | | | | | | |
| | PP105_RF | PROBEPOINT_SM | radio_mlb[26B6]single_brd[21] | R91 | RES_01005 | single_brd[19A5] | U1 | H5P_FC MSP | single_brd[4D2 4D6] | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | |
| | PP106_RF | PROBEPOINT_SM | radio_mlb[26C6]single_brd[21] | R92 | RES_01005 | single_brd[12B3] | U1 | H5P_FC MSP | single_brd[5D2 5D5] | XW210_RF | SHORT10LP25_WITH_ALT | radio_mlb[28B6]single_brd[21] | | | | | | | | | | | |
| | PP107_RF | PROBEPOINT_SM | radio_mlb[26C6]single_brd[21] | R93 | RES_01005 | single_brd[3D2] | U1 | H5P_FC MSP | single_brd[6C7] | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | |
| | PP113_RF | PROBEPOINT_SM | radio_mlb[26B5]single_brd[21] | R94 | RES_01005 | single_brd[22B4] | U1 | H5P_FC MSP | single_brd[7B4 7D7 7D8 7D4] | XW211_RF | SHORT10LP25_WITH_ALT | radio_mlb[27B2]single_brd[21] | | | | | | | | | | | |
| | PP114_RF | PROBEPOINT_SM | radio_mlb[26B5]single_brd[21] | R95 | RES_01005 | single_brd[17A7] | U2 | CBTL1608A1_WCSP | single_brd[15C5] | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | | |
| | PP301_RF | PROBEPOINT_SM | radio_mlb[28B3]single_brd[21] | R96 | RES_01005 | single_brd[14C6] | U3 | 74AUP2G34_SOT1115 | single_brd[3A3] | A | XW212_RF | SHORT10LP25_WITH_ALT | | radio_mlb[36C7]single_brd[21] | | | | | | | | | |
| | PP302_RF | PROBEPOINT_SM | radio_mlb[28B3]single_brd[21] | R100 | RES_01005 | single_brd[10B6] | U4 | FLASH_XG58_60LGA_LGA | single_brd[6C4] | | | S_SHORT-10L-0.25MM-S | | | | | | | | | | | |
| | PP1801_RF | PROBEPOINT_SM | radio_mlb[42B4]single_brd[21] | R101 | RES_01005 | single_brd[10B4] | U5 | 74AUP3G04_SOT1089 | single_brd[17B2] | | XW1801_RF | SHORT_SHORT-01005 | | radio_mlb[42C8]single_brd[21] | | | | | | | | | |
| | PP1802_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R102 | RES_01005 | single_brd[10C2] | U6 | 74LVC13G2GF_SOT891 | single_brd[13A6] | | | SHORT_SHORT-0201 | | radio_mlb[42D7]single_brd[21] | | | | | | | | | |
| | PP1803_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R103 | RES_01005 | single_brd[10C2] | U7 | AGATHA_I1_BGA | single_brd[12D6] | | Y1 | CRYSTAL_4PIN1_1.60X1 | | single_brd[2C2] | | | | | | | | | |
| | PP1804_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R104 | RES_01005 | single_brd[10A4] | U7 | AGATHA_I1_BGA | single_brd[13D8 13C5] | | | 20MM-SM | | | | | | | | | | | |
| PP1805_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R104_RF | RES_01005 | radio_mlb[26A5]single_brd[21] | U8 | AP3GD120_LGA | single_brd[14B2] | Y2 | CRYSTAL_2012-1 | single_brd[12A7] | | | | | | | | | | | | |
| PP1806_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R105_RF | RES_01005 | radio_mlb[26A5]single_brd[21] | U9 | AP3GD120_USMD | single_brd[8C7] | | CRYSTAL_4PIN1_2.5X2.2 | radio_mlb[28B4]single_brd[21] | | | | | | | | | | | | |
| PP1807_RF | PROBEPOINT_SM | radio_mlb[42A3]single_brd[21] | R107 | RES_01005 | single_brd[16D7] | U10 | LREG_LP5907_USMD | single_brd[8C7] | Y301_RF | OMM-SM1 | | | | | | | | | | | | | |
| Q1 | TRA_MOSFET_NCHN_3P3 | single_brd[11B3] | R108 | THERMISTTER_0201 | single_brd[12A8] | U11 | LREG_TPS7979_WCSP | single_brd[13B2] | | XW1802_RF | SHORT_SHORT-01005 | radio_mlb[42C8]single_brd[21] | | | | | | | | | | | |
| Q2 | TRA_DUAL_CMNSRC_PCH_9P_CSP | single_brd[16B7 16B6] | R109 | RES_0201 | single_brd[12B8] | U12 | 74LVC2G07_SOT891 | single_brd[13D6] | SHORT_SHORT-0201 | | radio_mlb[42D7]single_brd[21] | | | | | | | | | | | | |
| Q3 | TRA_MOSFET_PCHN_3P9 | single_brd[19B4] | R110 | THERMISTTER_0201 | single_brd[12A7] | U13 | CUMULUS_BGA63_WLBGA | single_brd[17C6] | Y1 | CRYSTAL_4PIN1_1.60X1 | single_brd[2C2] | | | | | | | | | | | | |
| Q4 | DFN | | R111 | RES_01005 | single_brd[15C3] | U14 | LREG_LP5908_USMD | single_brd[20B6] | | 20MM-SM | | | | | | | | | | | | | |
| Q5 | TRA_MOSFET_PCHN_9P_B | single_brd[12C8] | R112 | RES_01005 | single_brd[13B6] | U15 | SAGE2_1_CSP | single_brd[17D3] | Y2 | CRYSTAL_2012-1 | single_brd[12A7] | | | | | | | | | | | | |
| Q6 | GA | | R113 | RES_01005 | single_brd[13B6] | U16 | DCDC_LM34908_USMD | single_brd[19D4] | | CRYSTAL_4PIN1_2.5X2.2 | radio_mlb[28B4]single_brd[21] | | | | | | | | | | | | |
| Q7 | TRA_MOSFET_NCHN_6P3 | single_brd[12D5] | R114 | RES_01005 | single_brd[13B6] | U17 | AK8963C_CSP | single_brd[14A4] | Y301_RF | OMM-SM1 | | | | | | | | | | | | | |
| Q8 | BGA | | R115 | RES_01005 | single_brd[3D2] | U18 | LM3561_BGA | single_brd[19D6] | | SHORT10LP1_WITH_ALTS | radio_mlb[33D4]single_brd[21] | | | | | | | | | | | | |
| Q9 | TRA_MOSFET_NCHN_6P3 | single_brd[12D2] | R116 | RES_201 | single_brd[13D4] | U19 | AP3DSHAD_LGA | single_brd[14B7] | SHORT10LP1_WITH_ALTS | radio_mlb[33D4]single_brd[21] | | | | | | | | | | | | | |
| Q10 | BGA | | R117 | RES_01005 | single_brd[8C7] | U20 | CS35L19B_WLCSP | single_brd[14D5] | | SHORT10LP1_WITH_ALTS | radio_mlb[33D4]single_brd[21] | | | | | | | | | | | | |
| Q11 | TRA_MOSFET_NCHN_3P11 | single_brd[19B3] | R118 | RES_01005 | single_brd[8C6] | U21 | LREG_LP5907_USMD | single_brd[10D2] | SHORT10LP1_WITH_ALTS | radio_mlb[33C7]single_brd[21] | | | | | | | | | | | | | |
| Q12 | _SM | | R119 | RES_01005 | single_brd[16B3] | U22 | CS42L65B_FCBGA | single_brd[9C2 9C5] | | SHORT10LP1_WITH_ALTS | radio_mlb[33C7]single_brd[21] | | | | | | | | | | | | |
| Q13 | TRA_MOSFET_NCHN_3P3 | single_brd[8C6] | R120 | RES_01005 | single_brd[17D1] | U23 | CS42L65B_FCBGA | single_brd[10C5] | SHORT10LP1_WITH_ALTS | radio_mlb[33C7]single_brd[21] | | | | | | | | | | | | | |
| Q14 | DFN1006H4-3 | | R121 | RES_201 | single_brd[14C3] | U24 | TPS22924_CSP | single_brd[12B2] | | SHORT10LP1_WITH_ALTS | radio_mlb[33B7]single_brd[21] | | | | | | | | | | | | |
| Q15 | TRA_MOSFET_NCHN_4P5 | single_brd[17A6] | R122 | RES_01005 | single_brd[19A7] | U25 | LM3534_BGA | single_brd[13B3] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q16 | WLP | | R123 | RES_01005 | single_brd[14C3] | U26 | PM801B_WLNSP105_BGA | radio_mlb[27C5]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q17 | TRA_MOSFET_NCHN_3P11 | single_brd[19B7] | R124 | RES_01005 | single_brd[14C3] | U27 | PM801B_WLNSP105_BGA | radio_mlb[28D3 28B7 28B4 28C7]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q18 | _SM | | R125 | RES_01005 | single_brd[16C2] | U28 | MODEM_MDM9615_BGA | radio_mlb[29D2 29B4 29D4 29C7]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q19 | RES_01005 | single_brd[2D7] | R126 | RES_01005 | single_brd[16C2] | U29 | MODEM_MDM9615_BGA | radio_mlb[30D7 30C3]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q20 | RES_01005 | single_brd[17B1] | R127 | RES_01005 | single_brd[16B7] | U30 | FLASH_MX25U1635E_WLC | radio_mlb[30B7]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q21 | RES_01005 | single_brd[1A7] | R128 | RES_01005 | single_brd[17B7] | U31 | SP | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q22 | RES_01005 | single_brd[13D5] | R129 | RES_01005 | single_brd[6C5] | U32 | TRANSCEIVER_BGA196_B | radio_mlb[31D3 31D6]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q23 | RES_01005 | single_brd[3D5] | R130 | RES_01005 | single_brd[20C5] | U33 | GA196 | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q24 | RES_01005 | single_brd[3D5] | R131 | RES_01005 | single_brd[6C5] | U34 | TRANSCEIVER_BGA196_B | radio_mlb[33D2 33B2]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q25 | RES_01005 | single_brd[2B3] | R132 | RES_01005 | single_brd[9B3] | U35 | GA196 | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q26 | RES_01005 | single_brd[2C3] | R133 | RES_01005 | single_brd[10A7] | U36 | SW1_XM08308Z_LLP | radio_mlb[32C5]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q27 | RES_01005 | single_brd[6B2] | R134 | RES_01005 | single_brd[10B7] | U37 | AMP_SKY77487_LGA | radio_mlb[34C5]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q28 | RES_01005 | single_brd[11A7] | R135 | RES_01005 | single_brd[10B7] | U38 | AMP_ACPM5617_LGA | radio_mlb[35C5]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q29 | RES_01005 | single_brd[16D2] | R136 | RES_01005 | single_brd[18B3] | U39 | FILTER_SAW_SAYEY710M | radio_mlb[35C2]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q30 | RES_01005 | single_brd[10D2] | R137 | RES_01005 | radio_mlb[28D4]single_brd[21] | U40 | CA0F57_LLP | | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q31 | RES_01005 | single_brd[3C7] | R138 | RES_01005 | radio_mlb[28D3]single_brd[21] | U41 | MAX77100_WLP | radio_mlb[36D7]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q32 | RES_01005 | single_brd[8C7] | R139 | RES_01005 | radio_mlb[28D4]single_brd[21] | U42 | SKY77352_LGA | radio_mlb[36C4]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q33 | RES_01005 | single_brd[11B2] | R140 | RES_01005 | radio_mlb[28B4]single_brd[21] | U43 | LMSP3NQPD06_LGA | radio_mlb[37C3]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q34 | RES_01005 | single_brd[11B2] | R141 | RES_01005 | radio_mlb[28B2]single_brd[21] | U44 | AMP_SKY77486_LGA | radio_mlb[38C5]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q35 | RES_01005 | single_brd[11B2] | R142 | RES_01005 | radio_mlb[28C7]single_brd[21] | U45 | AMP_TQMG66084_LGA | radio_mlb[39C5]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q36 | RES_01005 | single_brd[10D5] | R143 | RES_01005 | radio_mlb[28C9]single_brd[21] | U46 | SW1_HB010177_LGA | radio_mlb[40D5]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q37 | RES_01005 | single_brd[3D3] | R144 | RES_01005 | radio_mlb[28C8]single_brd[21] | U47 | RF102_12_WLCSP14 | radio_mlb[41D5]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q38 | RES_01005 | single_brd[3D3] | R145 | RES_01005 | radio_mlb[28B4]single_brd[21] | U48 | LBERS5ZHWCS01_LGA | radio_mlb[42C6]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q39 | RES_01005 | single_brd[3D3] | R146 | RES_01005 | radio_mlb[29A5]single_brd[21] | U49 | 74AUP1G08_SOT891 | radio_mlb[42A7]single_brd[21] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q40 | RES_01005 | single_brd[3A4] | R147 | RES_01005 | radio_mlb[29B2]single_brd[21] | U50 | FIL_DIPLEXER_HILOCCOM | radio_mlb[42D2]single_brd[21] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q41 | RES_01005 | single_brd[3D2] | R148 | RES_01005 | radio_mlb[29A4]single_brd[21] | U51 | _6P_SM | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q42 | RES_01005 | single_brd[3A4] | R149 | RES_01005 | radio_mlb[29B4]single_brd[21] | U52 | SHORT_SM | single_brd[10B3] | | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | |
| Q43 | RES_01005 | single_brd[16D2] | R150 | RES_01005 | radio_mlb[29B6]single_brd[21] | U53 | SHORT_SM | single_brd[6D2] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q44 | RES_01005 | single_brd[13A6] | R151 | RES_01005 | radio_mlb[30C4]single_brd[21] | U54 | SHORT10LP1_WITH_ALTS | single_brd[5D7] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q45 | RES_01005 | single_brd[13B5] | R152 | RES_01005 | radio_mlb[30A4]single_brd[21] | U55 | SHORT10LP1_WITH_ALTS | single_brd[10B6] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q46 | RES_01005 | single_brd[17C7] | R153 | RES_01005 | radio_mlb[30A3]single_brd[21] | U56 | SHORT10LP1_WITH_ALTS | single_brd[10B6] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q47 | RES_01005 | single_brd[4A8] | R154 | RES_01005 | radio_mlb[29D1]single_brd[21] | U57 | SHORT10LP1_WITH_ALTS | single_brd[10B6] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q48 | RES_01005 | single_brd[4A8] | R155 | RES_01005 | radio_mlb[31D7]single_brd[21] | U58 | SHORT10LP1_WITH_ALTS | single_brd[8B3] | SHORT10LP1_WITH_ALTS | radio_mlb[33A7]single_brd[21] | | | | | | | | | | | | | |
| Q49 | RES_01005 | single_brd[4A6] | R156 | RES_01005 | | | | | | | | | | | | | | | | | | | |