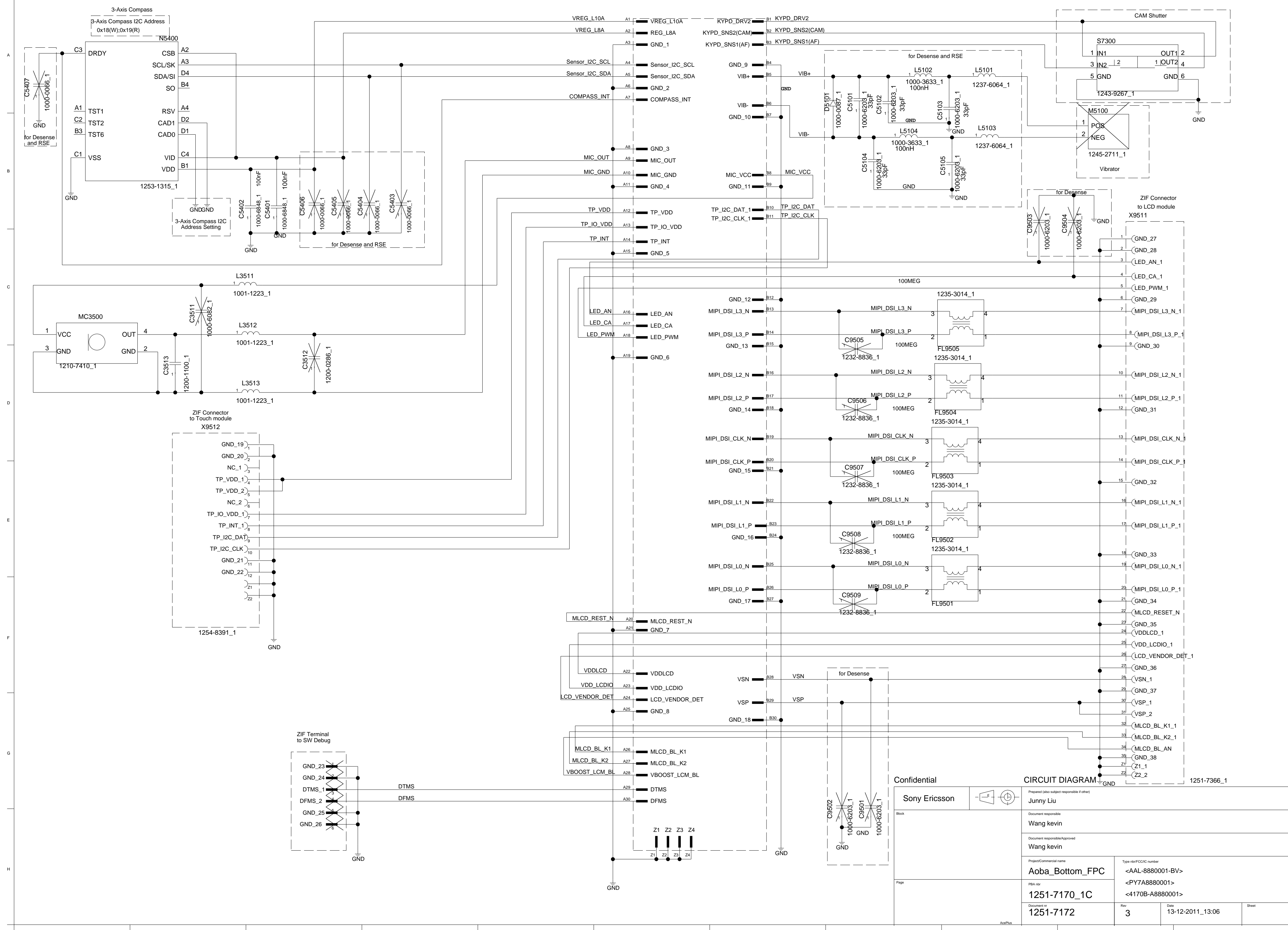


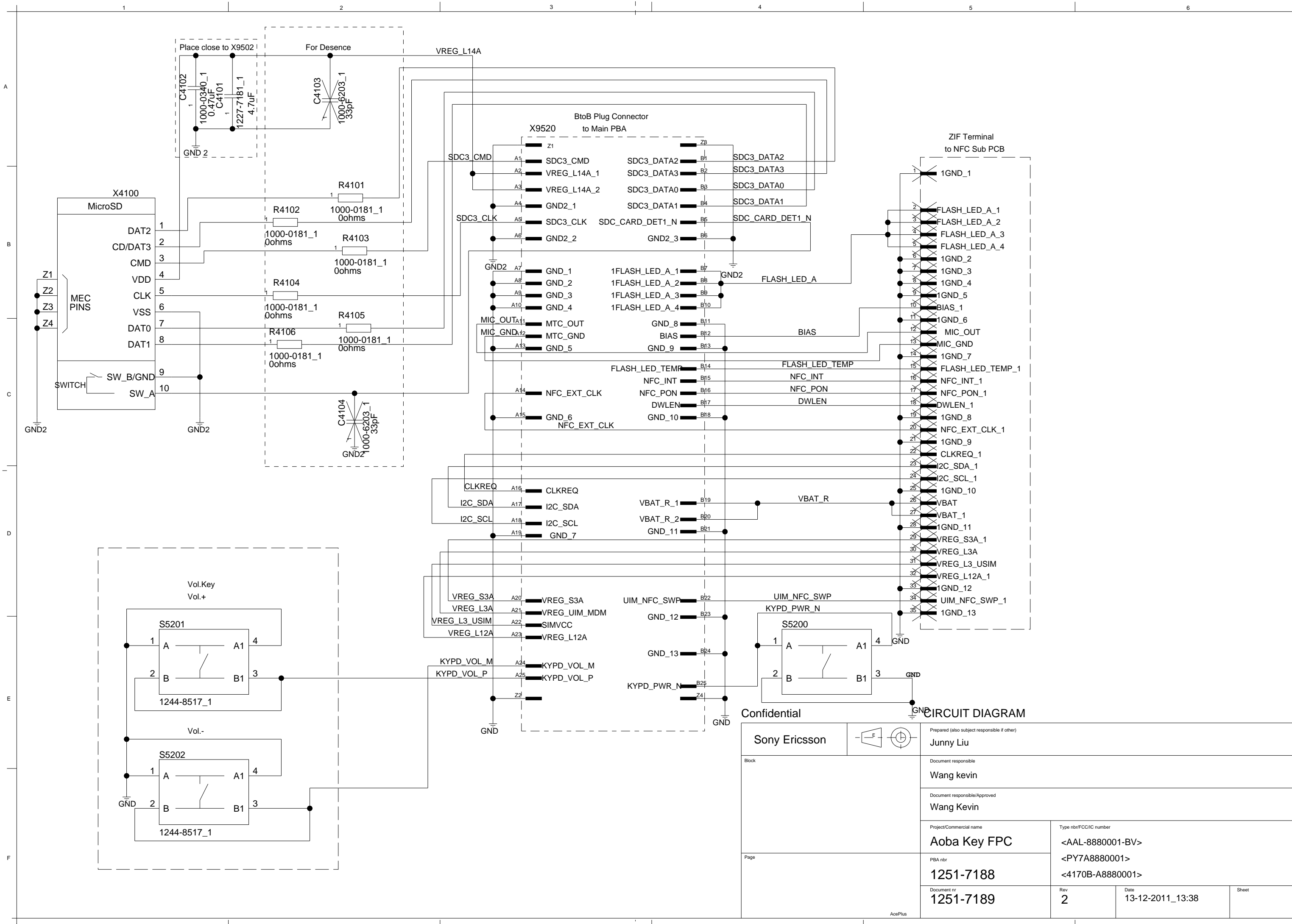
Confidential

CIRCUIT DIAGRAM

| | | |
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| Sony Ericsson | Prepared (also subject responsible if other) Junny Liu | |
| | Document responsible Wang kevin | |
| Block | Document responsible/Approved Wang kevin | |
| | Project/Commercial name Aoba_RCV_FPC | Type nbr/FCC/IC number <AAL-8880001-BV> |
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| | Document nr 1251-7154 | Rev 3 |
| Date 13-12-2011_13:58 | | Sheet |

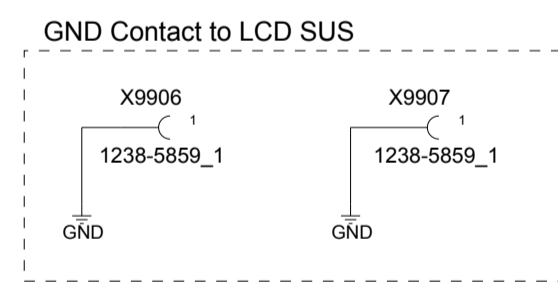
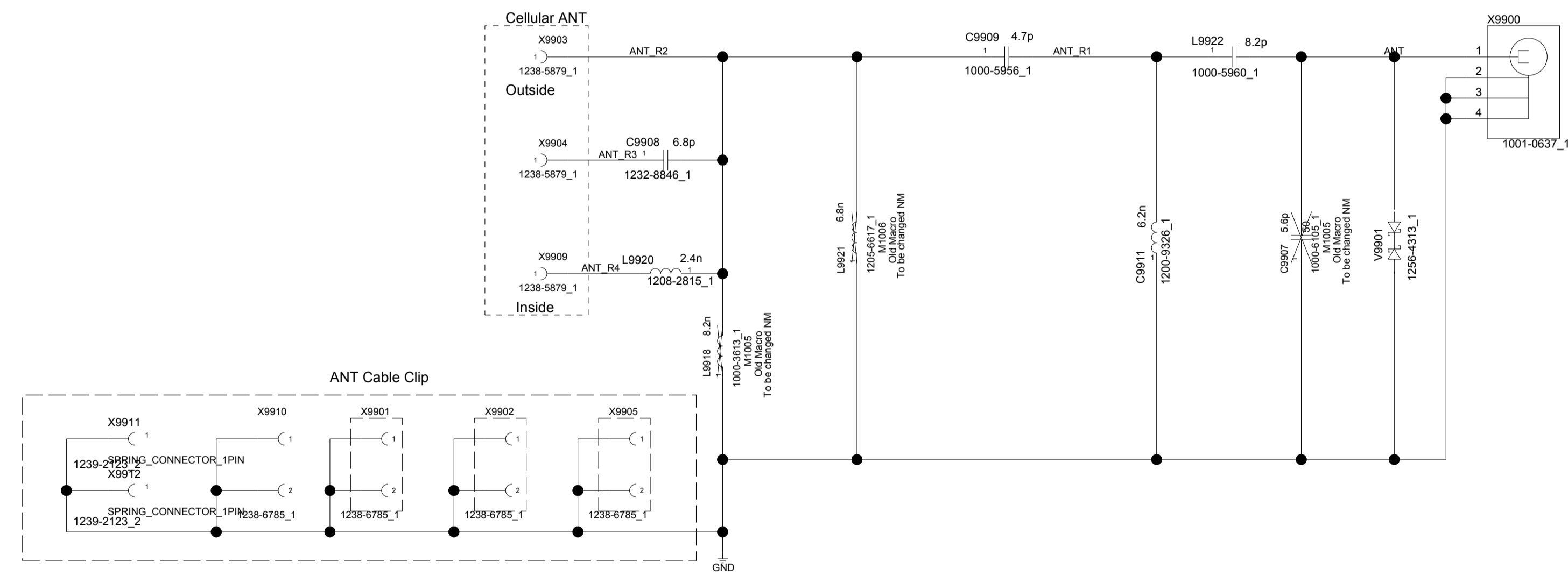


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| Block | | Document responsible Wang Kevin | | |
| Page | | Document responsible/Approved Wang Kevin | | |
| Project/Commercial name | | Type ref/FCCIC number | | |
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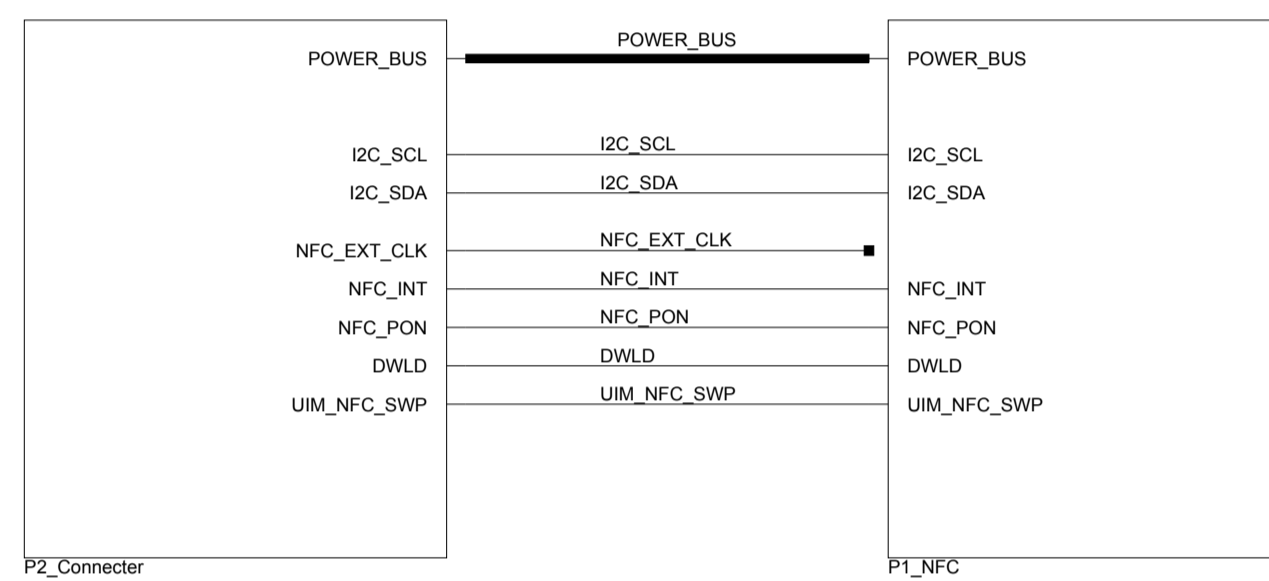


Confidential **CIRCUIT DIAGRAM**

| | | | |
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| Sony Ericsson | | Prepared (also subject responsible if other) Junny Liu | |
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| Page | | Document responsible/Approved Wang Kevin | |
| Project/Commercial name Aoba Key FPC | | Type nbr/FCC/IC number <AAL-8880001-BV> <PY7A8880001> <4170B-A8880001> | |
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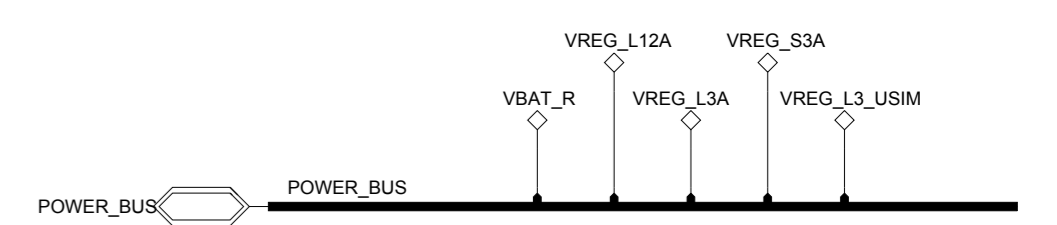
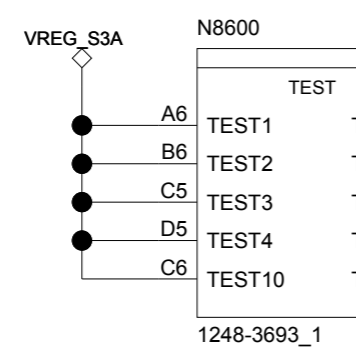
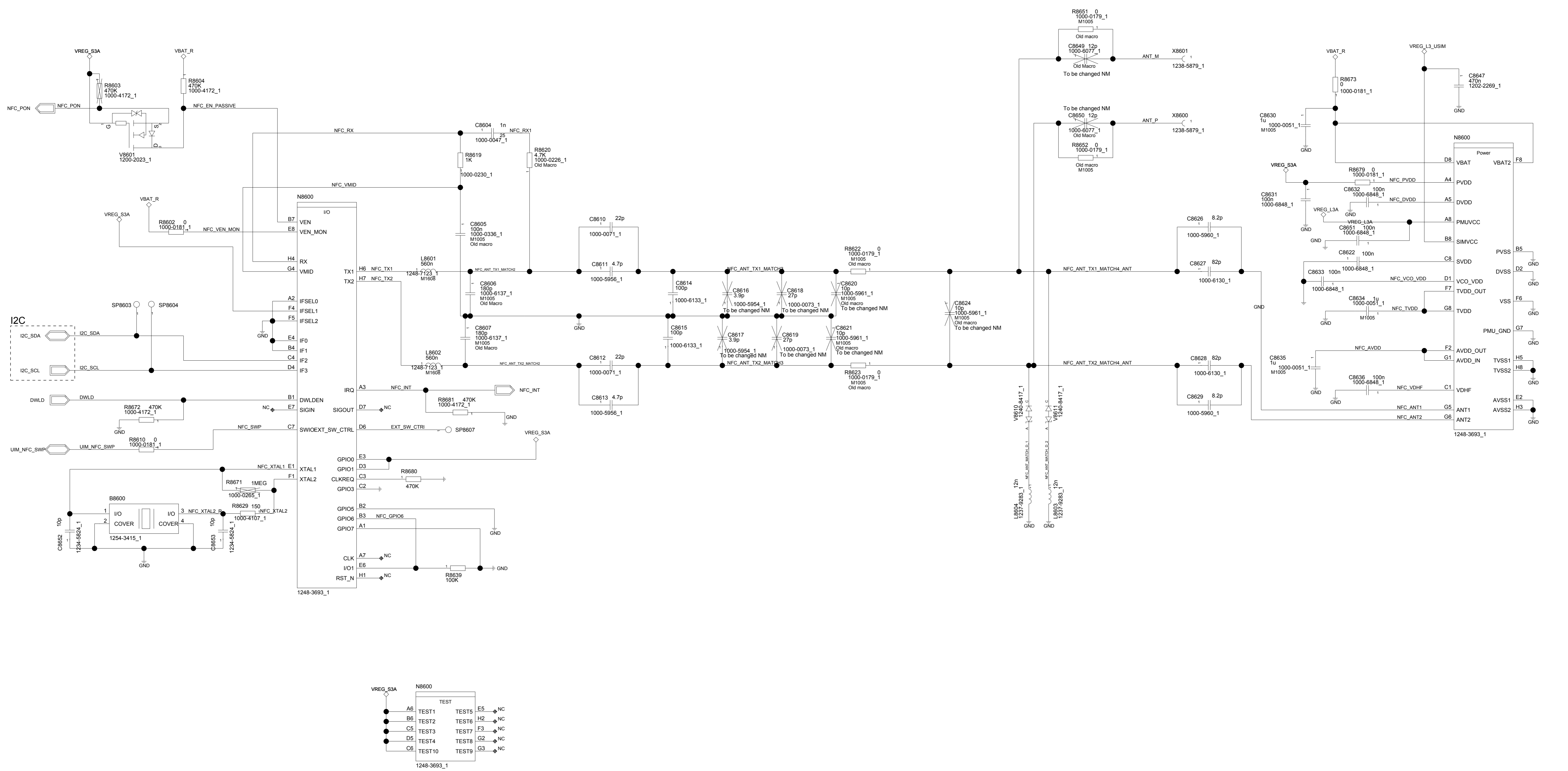


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| Confidential | | CIRCUIT DIAGRAM | | | |
| Sony Ericsson | | WANG KEVIN | | | |
| Block | | LI LEO | | | |
| ANT_Sub_PCB | | WANG KEVIN | | | |
| Page | | AOBA | | <AAL-8880001-BV> | |
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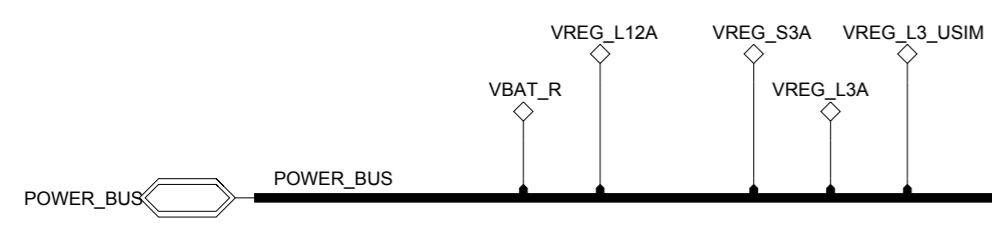
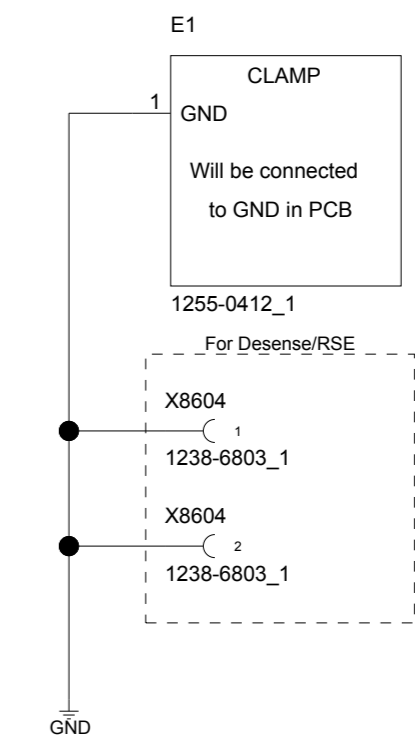
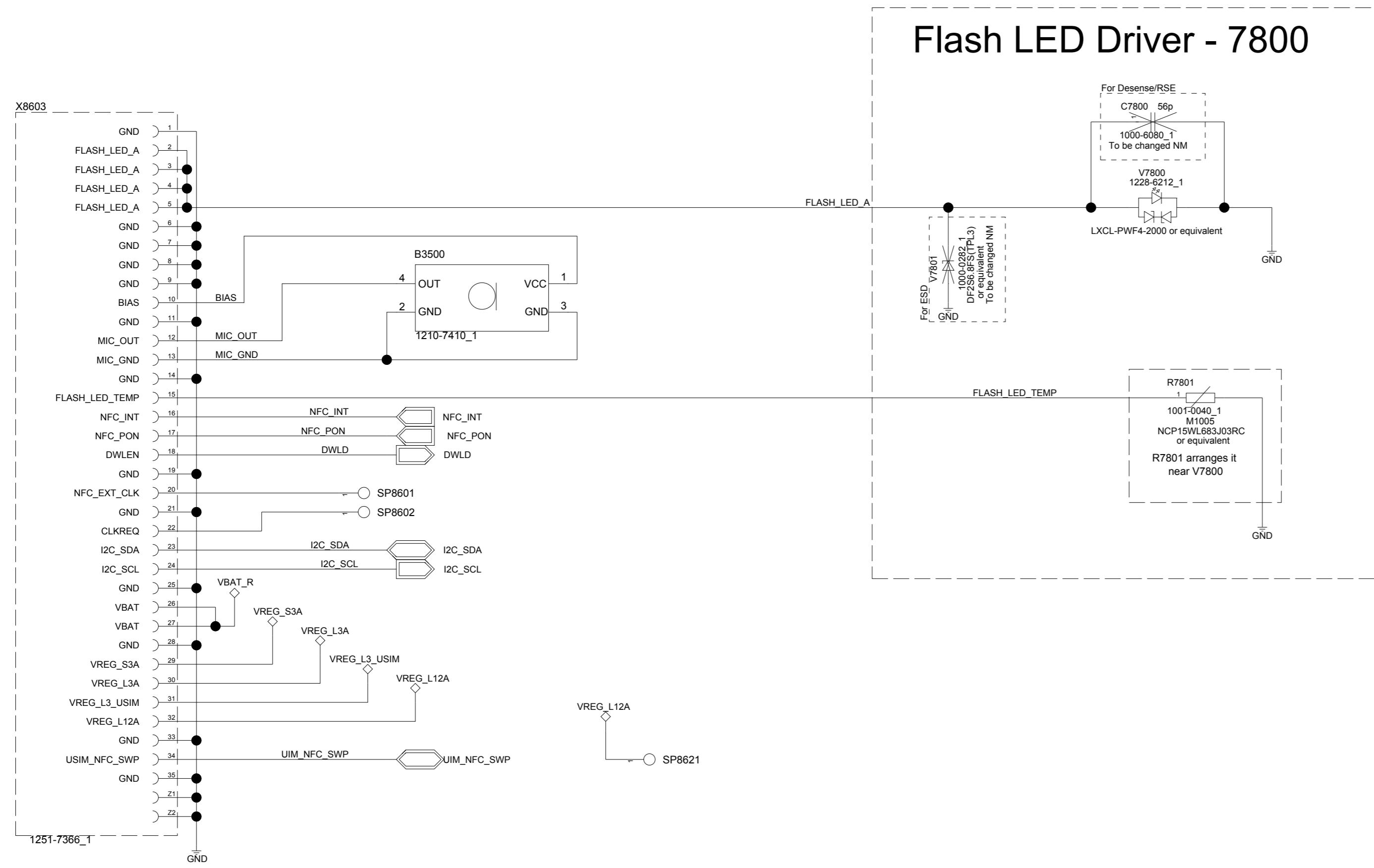


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| Sony Ericsson | | Prepared (date subject responsible's future) WANG KEVIN <small>Document responsible</small> | | | |
| Block | | LI LEO <small>Document responsible/approver</small> WANG KEVIN | | | |
| Page | | <small>Project/Component name</small> Aoba | | <small>Type ref/ECCID number</small> <AAL-888001-BV> <PY7A8880001> <4170B-A8880001> | |
| TOP | | <small>File ref</small> 1251-7123 | | <small>Document ref</small> 1251-7130 | |
| | | <small>Rev</small> 1D | | <small>Date</small> 09-11-2011_11:30 | |
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L2F05A 01E F001



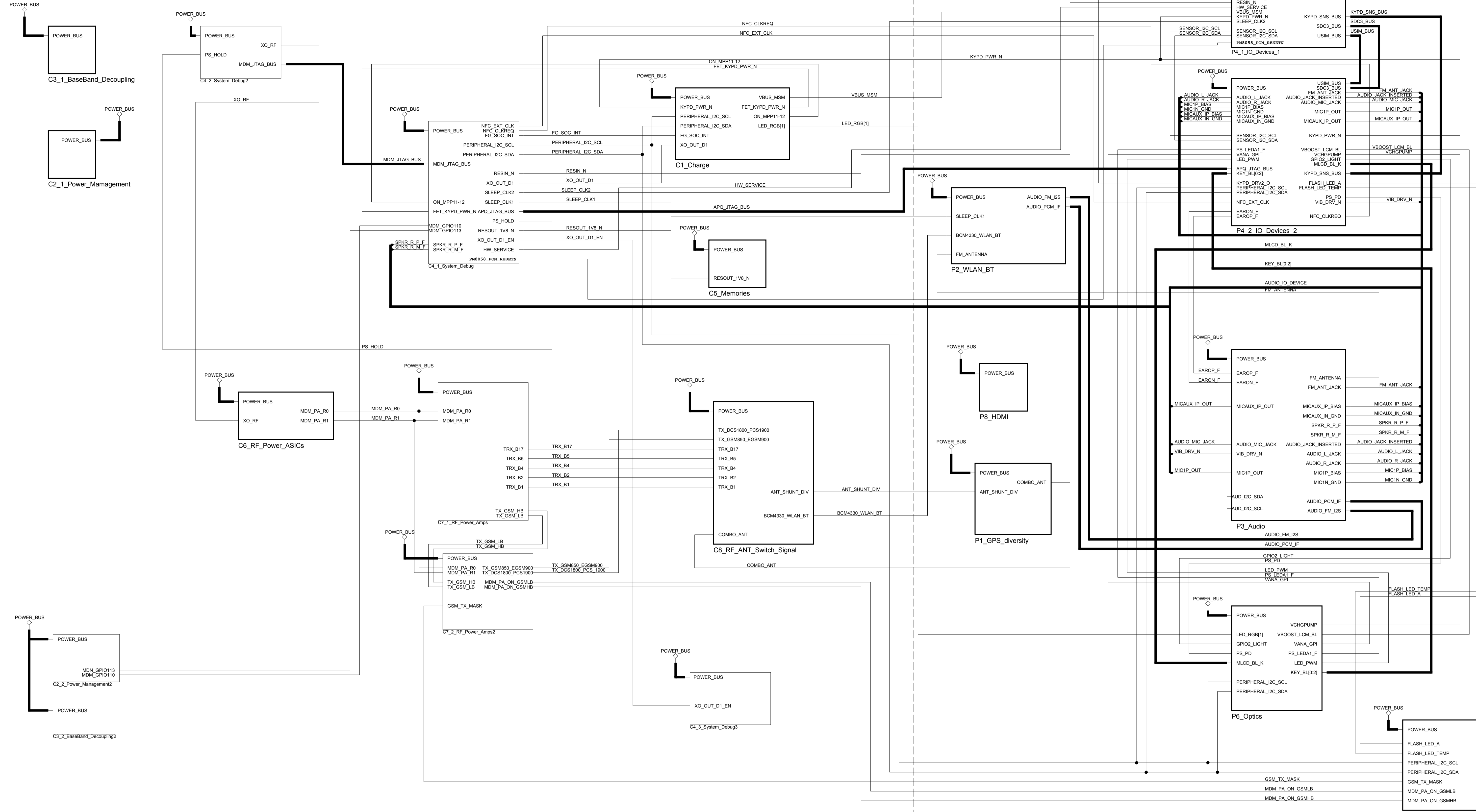
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| | | | Date 09-11-2011_11:32 |
| | | | Sheet P1 |



| | | | |
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| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | Prepared (also subject responsible if other) WANG KEVIN | |
| Block | | Document approver LI LEO | |
| NFC_sub_PCB | | Document responsible (optional) WANG KEVIN | |
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| CONNECTER | | Part no. 1251-7123 | <PY7A8880001> |
| | | Document no. 1251-7130 | <4170B-A8880001> |
| | | Rev. 1D | Date 09-11-2011_11:30 |
| | | Sheet P2 | |

Core

Peripheral



Unused GPIOs.MPPs

| | | | |
|-------|----------|------|----|
| N1500 | GPIO_000 | ABS | NC |
| N1500 | GPIO_014 | AF2 | NC |
| N1500 | GPIO_039 | W32 | NC |
| N1500 | GPIO_071 | AK3 | NC |
| N1500 | GPIO_122 | AG9 | NC |
| N1500 | GPIO_001 | AC1 | NC |
| N1500 | GPIO_017 | AE3 | NC |
| N1500 | GPIO_045 | Y1 | NC |
| N1500 | GPIO_072 | AK2 | NC |
| N1500 | GPIO_124 | R31 | NC |
| N1500 | GPIO_003 | AD7 | NC |
| N1500 | GPIO_019 | AH1 | NC |
| N1500 | GPIO_046 | AA1 | NC |
| N1500 | GPIO_077 | AL24 | NC |
| N1500 | GPIO_130 | E32 | NC |
| N1500 | GPIO_004 | AC2 | NC |
| N1500 | GPIO_020 | AF5 | NC |
| N1500 | GPIO_049 | AK33 | NC |
| N1500 | GPIO_083 | AL14 | NC |
| N1500 | GPIO_142 | G33 | NC |
| N1500 | GPIO_005 | AD1 | NC |
| N1500 | GPIO_022 | AH2 | NC |
| N1500 | GPIO_050 | AK33 | NC |
| N1500 | GPIO_085 | AM4 | NC |
| N1500 | GPIO_153 | G31 | NC |
| N1500 | GPIO_006 | AC3 | NC |
| N1500 | GPIO_024 | AJ2 | NC |
| N1500 | GPIO_051 | AH23 | NC |
| N1500 | GPIO_103 | AJ10 | NC |
| N1500 | GPIO_154 | D33 | NC |
| N1500 | GPIO_007 | AD2 | NC |
| N1500 | GPIO_027 | AL1 | NC |
| N1500 | GPIO_052 | AJ31 | NC |
| N1500 | GPIO_105 | AJ11 | NC |
| N1500 | GPIO_155 | H32 | NC |
| N1500 | GPIO_008 | AD5 | NC |
| N1500 | GPIO_033 | G5 | NC |
| N1500 | GPIO_057 | AN8 | NC |
| N1500 | GPIO_110 | AJ5 | NC |
| N1500 | GPIO_156 | H31 | NC |
| N1500 | GPIO_009 | AD3 | NC |
| N1500 | GPIO_037 | W31 | NC |
| N1500 | GPIO_058 | AM8 | NC |
| N1500 | GPIO_120 | AG11 | NC |
| N1500 | GPIO_157 | L32 | NC |
| N1500 | GPIO_010 | AE1 | NC |
| N1500 | GPIO_038 | V29 | NC |
| N1500 | GPIO_062 | C1 | NC |
| N1500 | GPIO_121 | AG12 | NC |
| N1500 | GPIO_158 | G31 | NC |

| | | | |
|-------|--------|----|----|
| N1600 | GPIO12 | L2 | NC |
| N1600 | GPIO11 | K2 | NC |
| N1600 | GPIO10 | M2 | NC |
| N1600 | GPIO9 | J2 | NC |
| N1600 | GPIO8 | H2 | NC |
| N1600 | GPIO7 | G2 | NC |
| N1600 | GPIO6 | F2 | NC |
| N1600 | GPIO5 | E2 | NC |
| N1600 | GPIO4 | D2 | NC |
| N1600 | GPIO3 | C2 | NC |
| N1600 | GPIO2 | B2 | NC |
| N1600 | GPIO1 | A2 | NC |
| N1600 | GPIO0 | Z1 | NC |
| N1600 | GPIO13 | L3 | NC |
| N1600 | GPIO12 | K3 | NC |
| N1600 | GPIO11 | M3 | NC |
| N1600 | GPIO10 | J3 | NC |
| N1600 | GPIO9 | H3 | NC |
| N1600 | GPIO8 | G3 | NC |
| N1600 | GPIO7 | F3 | NC |
| N1600 | GPIO6 | E3 | NC |
| N1600 | GPIO5 | D3 | NC |
| N1600 | GPIO4 | C3 | NC |
| N1600 | GPIO3 | B3 | NC |
| N1600 | GPIO2 | A3 | NC |
| N1600 | GPIO1 | Z2 | NC |
| N1600 | GPIO0 | Z0 | NC |
| N1600 | GPIO14 | L4 | NC |
| N1600 | GPIO13 | K4 | NC |
| N1600 | GPIO12 | M4 | NC |
| N1600 | GPIO11 | J4 | NC |
| N1600 | GPIO10 | H4 | NC |
| N1600 | GPIO9 | G4 | NC |
| N1600 | GPIO8 | F4 | NC |
| N1600 | GPIO7 | E4 | NC |
| N1600 | GPIO6 | D4 | NC |
| N1600 | GPIO5 | C4 | NC |
| N1600 | GPIO4 | B4 | NC |
| N1600 | GPIO3 | A4 | NC |
| N1600 | GPIO2 | Z3 | NC |
| N1600 | GPIO1 | Z4 | NC |
| N1600 | GPIO0 | Z5 | NC |

| | | |
|-------|---------|----|
| N1501 | GPIO221 | NC |
| N1501 | GPIO222 | NC |
| N1501 | GPIO223 | NC |
| N1501 | GPIO224 | NC |
| N1501 | GPIO225 | NC |
| N1501 | GPIO226 | NC |
| N1501 | GPIO227 | NC |
| N1501 | GPIO228 | NC |
| N1501 | GPIO229 | NC |
| N1501 | GPIO230 | NC |
| N1501 | GPIO231 | NC |
| N1501 | GPIO232 | NC |
| N1501 | GPIO233 | NC |
| N1501 | GPIO234 | NC |
| N1501 | GPIO235 | NC |
| N1501 | GPIO236 | NC |
| N1501 | GPIO237 | NC |
| N1501 | GPIO238 | NC |
| N1501 | GPIO239 | NC |
| N1501 | GPIO240 | NC |
| N1501 | GPIO241 | NC |
| N1501 | GPIO242 | NC |
| N1501 | GPIO243 | NC |
| N1501 | GPIO244 | NC |
| N1501 | GPIO245 | NC |
| N1501 | GPIO246 | NC |
| N1501 | GPIO247 | NC |
| N1501 | GPIO248 | NC |
| N1501 | GPIO249 | NC |
| N1501 | GPIO250 | NC |
| N1501 | GPIO251 | NC |
| N1501 | GPIO252 | NC |
| N1501 | GPIO253 | NC |
| N1501 | GPIO254 | NC |
| N1501 | GPIO255 | NC |
| N1501 | GPIO256 | NC |
| N1501 | GPIO257 | NC |
| N1501 | GPIO258 | NC |
| N1501 | GPIO259 | NC |
| N1501 | GPIO260 | NC |
| N1501 | GPIO261 | NC |
| N1501 | GPIO262 | NC |
| N1501 | GPIO263 | NC |
| N1501 | GPIO264 | NC |
| N1501 | GPIO265 | NC |
| N1501 | GPIO266 | NC |
| N1501 | GPIO267 | NC |
| N1501 | GPIO268 | NC |
| N1501 | GPIO269 | NC |
| N1501 | GPIO270 | NC |

Confidential

Sony Ericsson

Aoba Band1258 Main PBA

TOP

CIRCUIT DIAGRAM

WANG KEVIN

LI LEO

WANG KEVIN

AOBA

1251-7044 1L

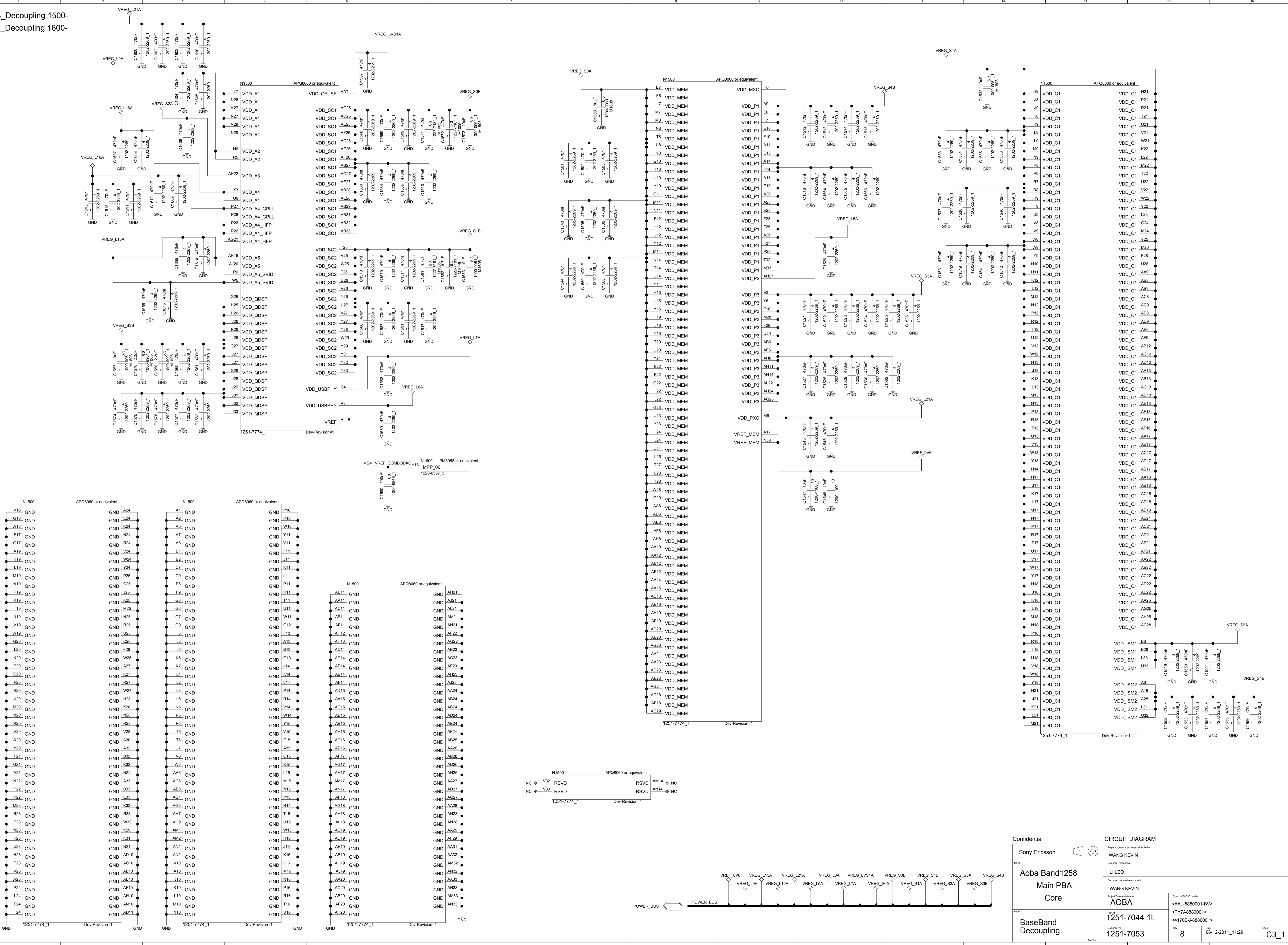
1251-7053

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06-12-2011_11:26

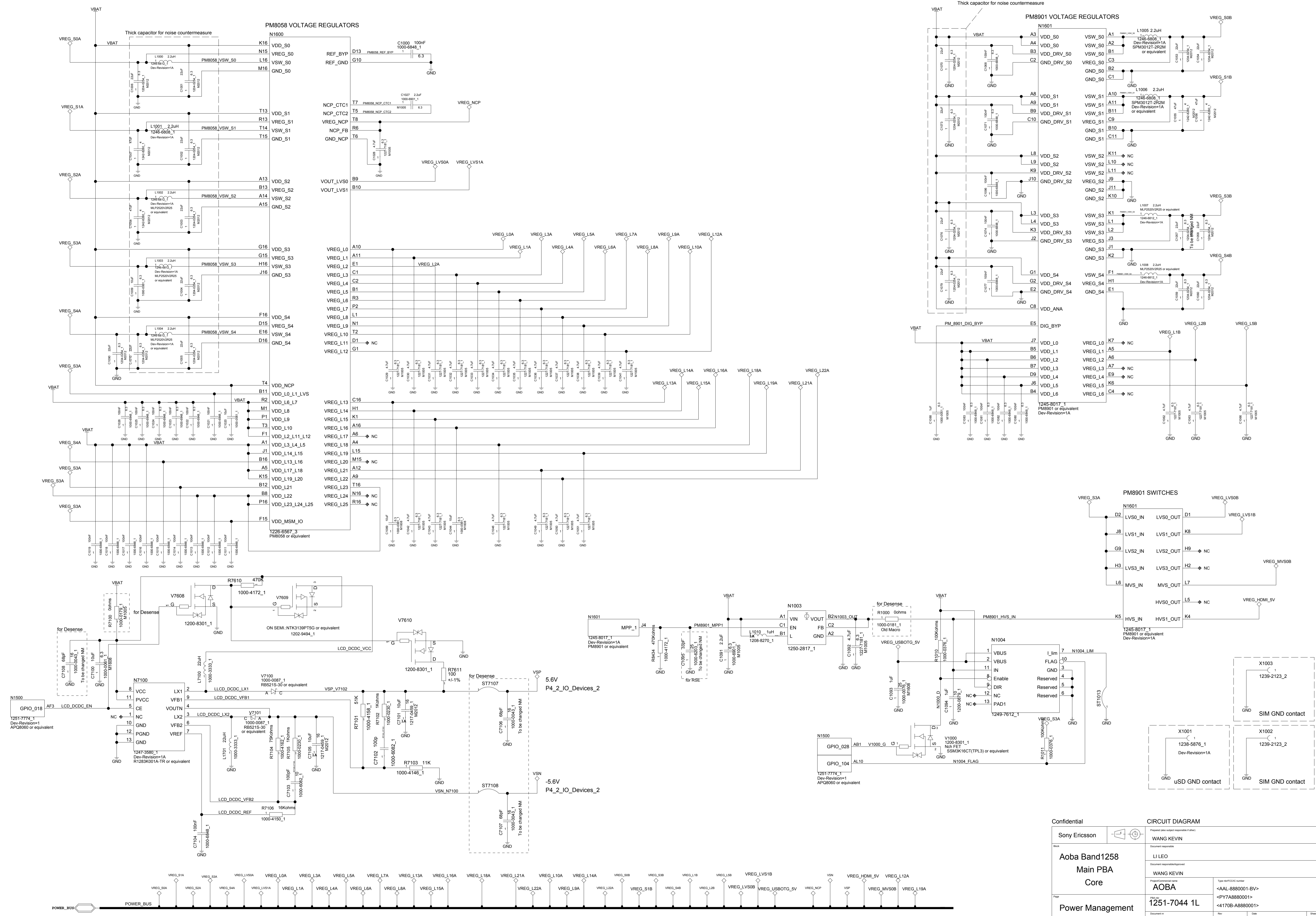
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AB_Decoupling 1600-



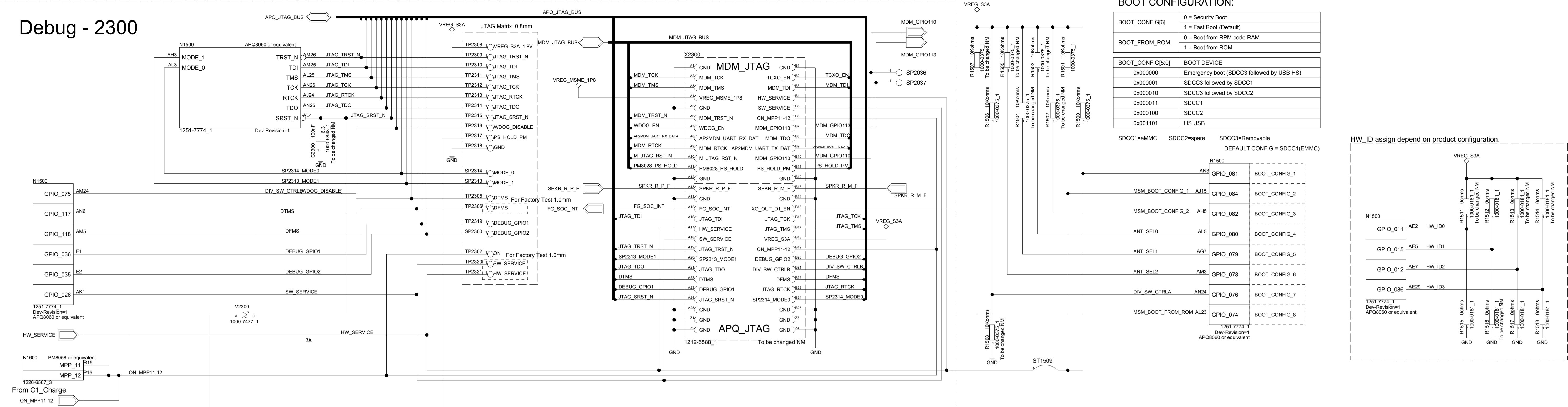
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| Sony Ericsson | | WANG KEVIN | |
| Doc No: Aoba Band1258 | | Document responsible: LI LEO | |
| Main PBA Core | | Document responsible: WANG KEVIN | |
| BaseBand Decoupling | | Project/Component name: AOA | |
| 1251-7044 1L | | Type ref/PCB number: <AAL-8880001-BV> | |
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Power Management 1000-

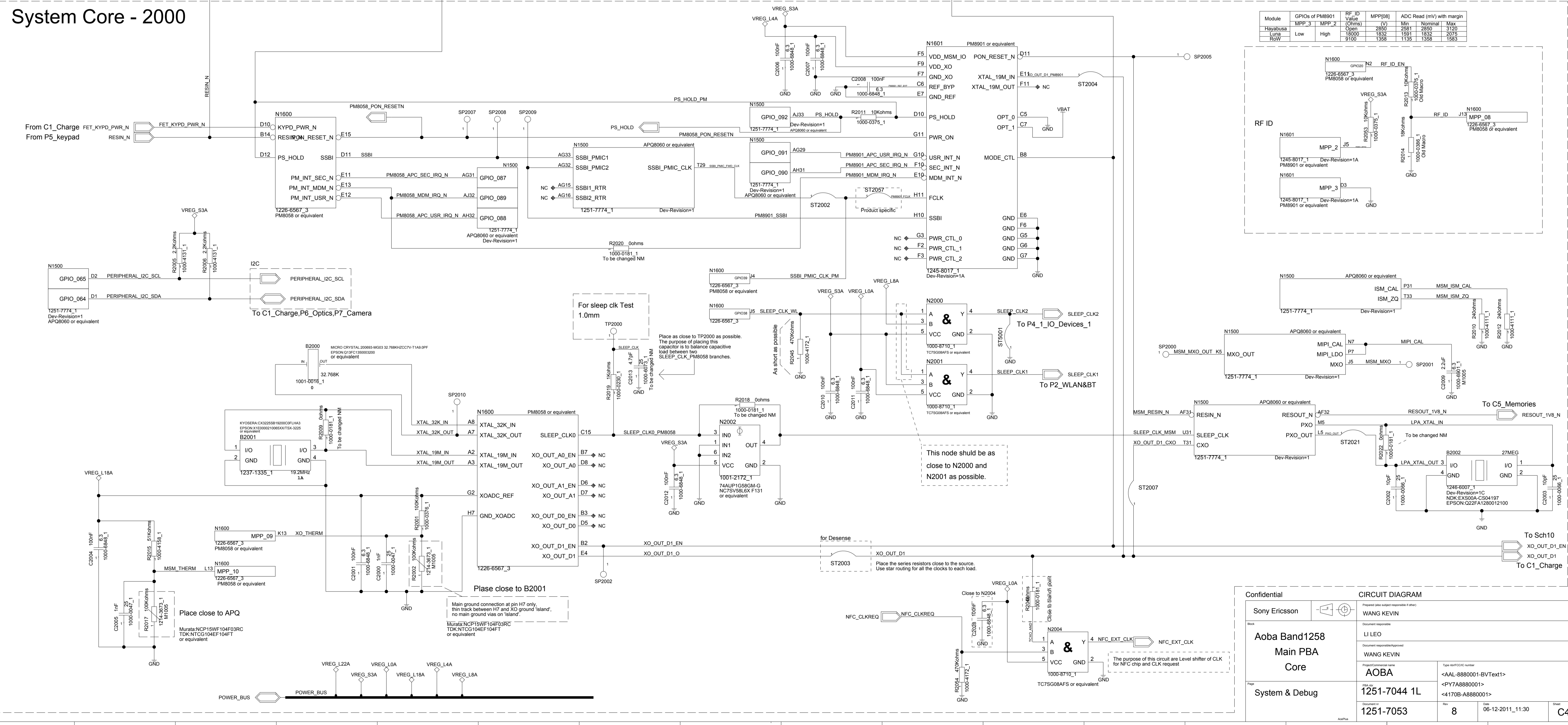


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| Sony Ericsson | WANG KEVIN | LI LEO | WANG KEVIN |
| Aoba Band1258 | Main PBA | AOBA | <AAL-8880001-BV> |
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| Power Management | 1251-7053 | 8 | 06-12-2011_11:27 |
| | | | C2_1 |

Debug - 2300



System Core - 2000



Confidential

CIRCUIT DIAGRAM

Sony Ericsson

Project Name: Aoba Band1258 Main PBA Core

System & Debug

WANG KEVIN

LI LEO

WANG KEVIN

Project Name: Aoba

Part No: 1251-7044 1L

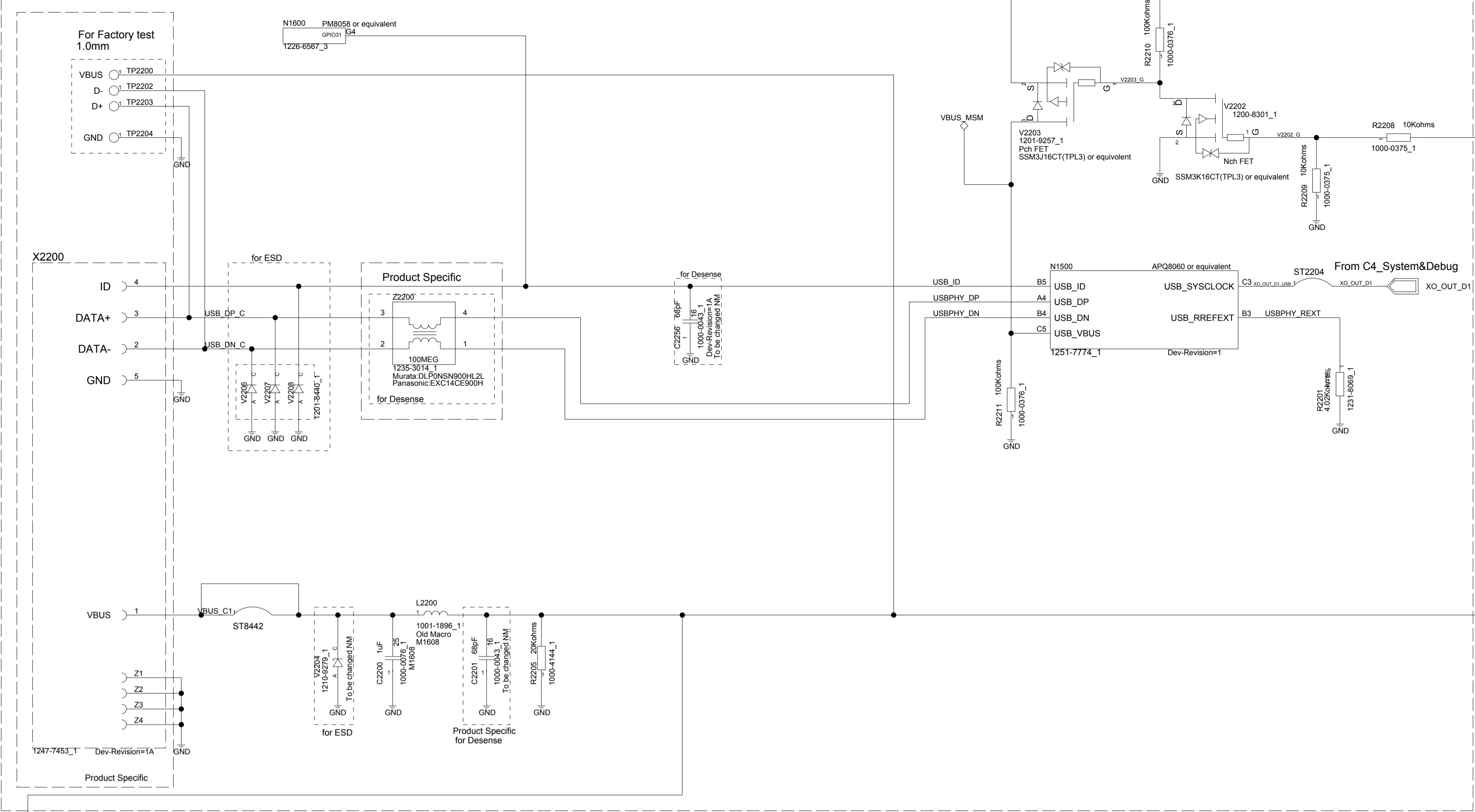
Rev: 8

Date: 06-12-2011_11:30

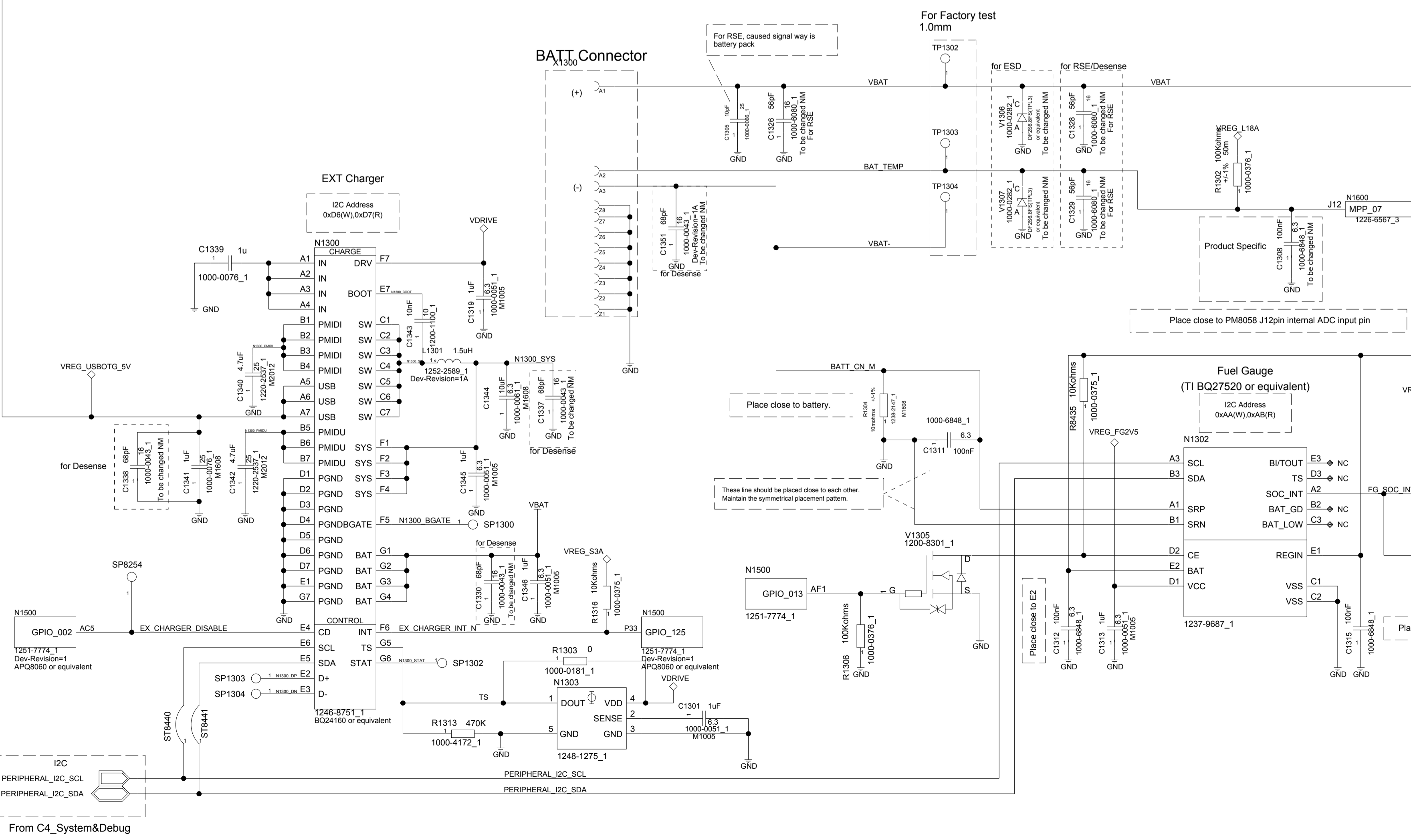
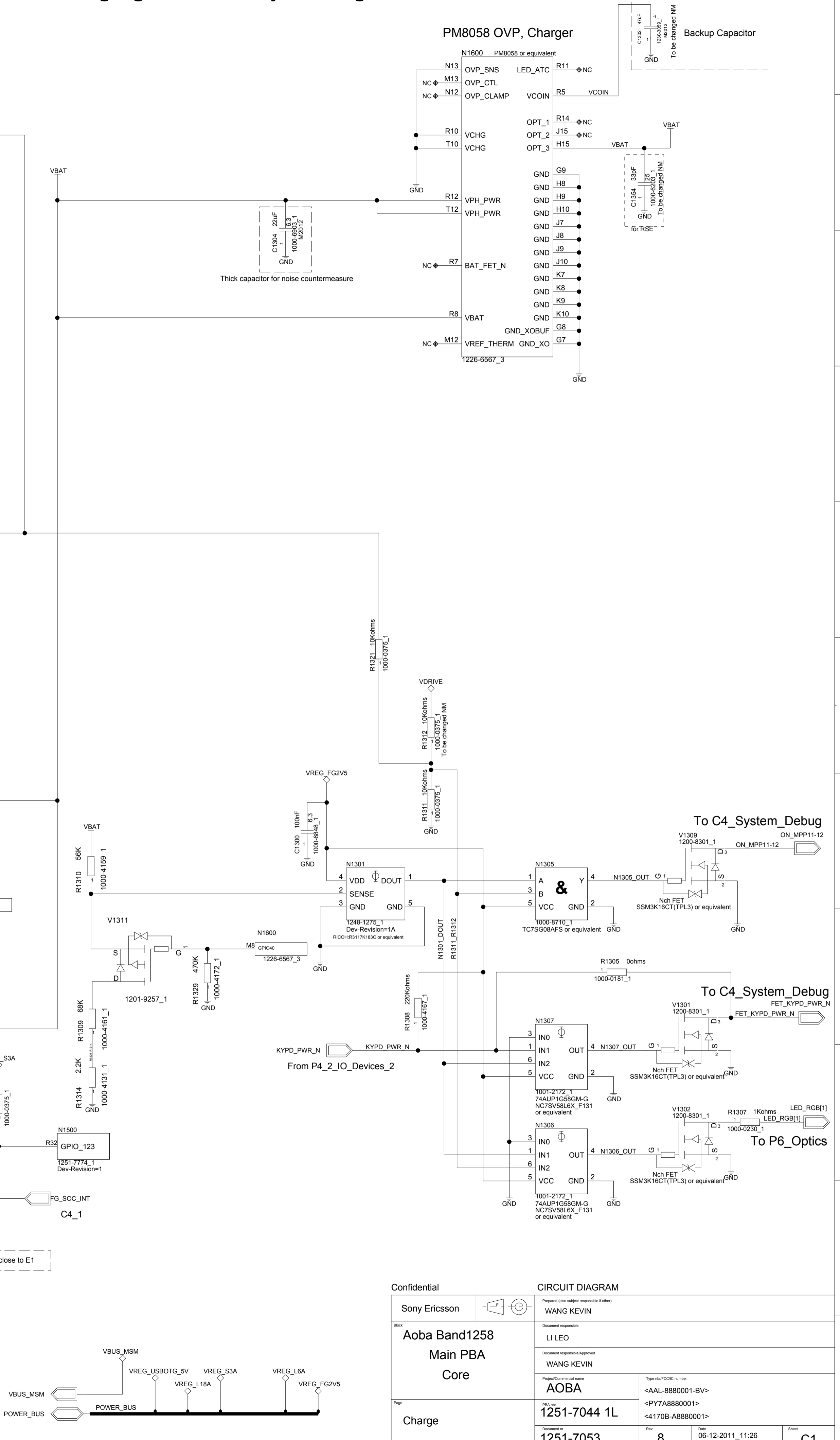
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Sheet: C4_1

USB - 2200



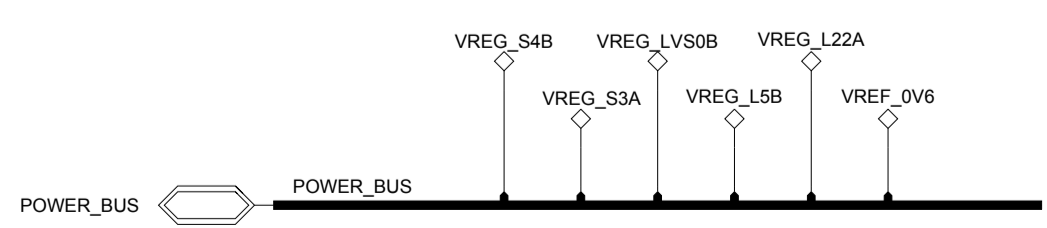
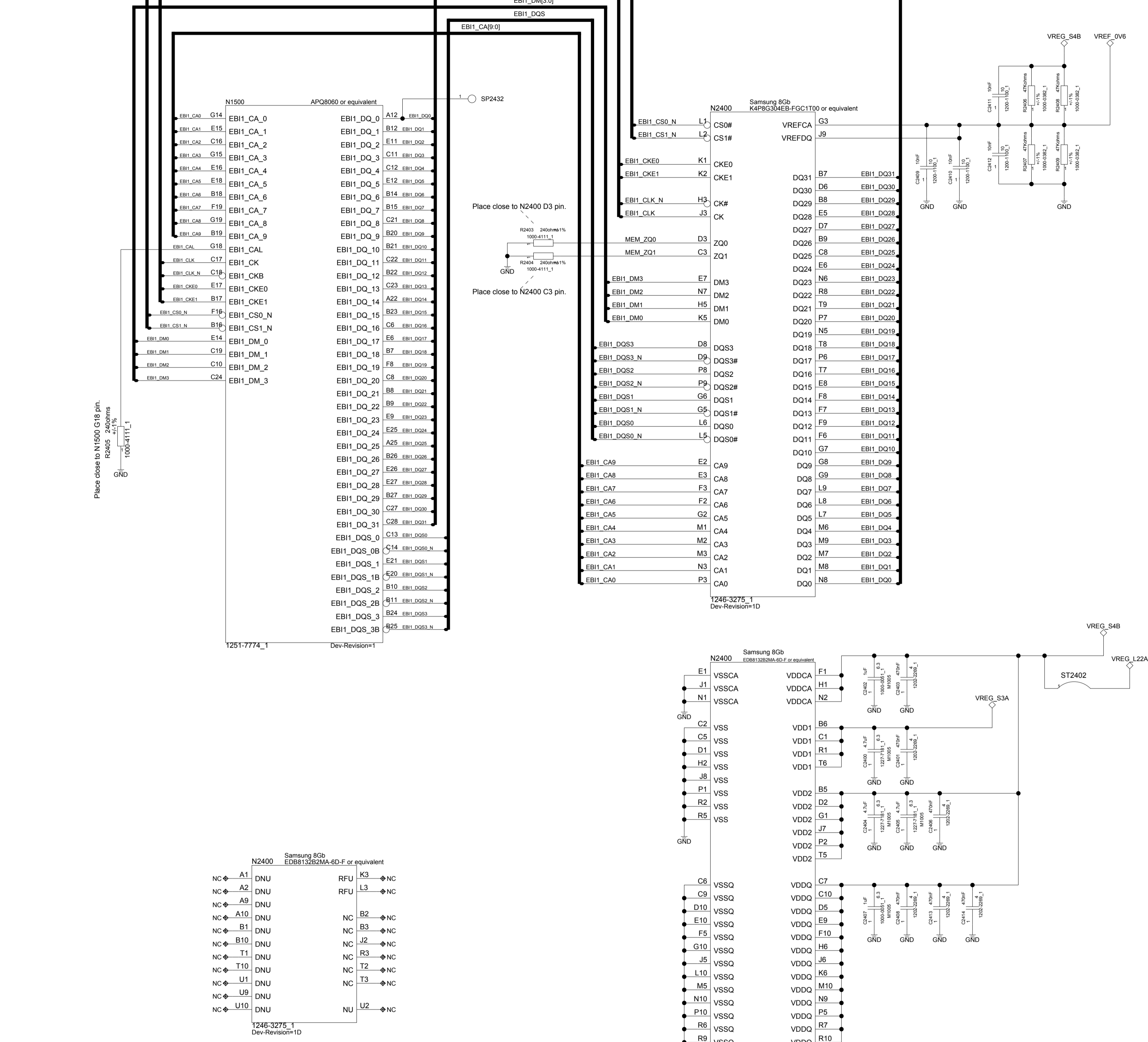
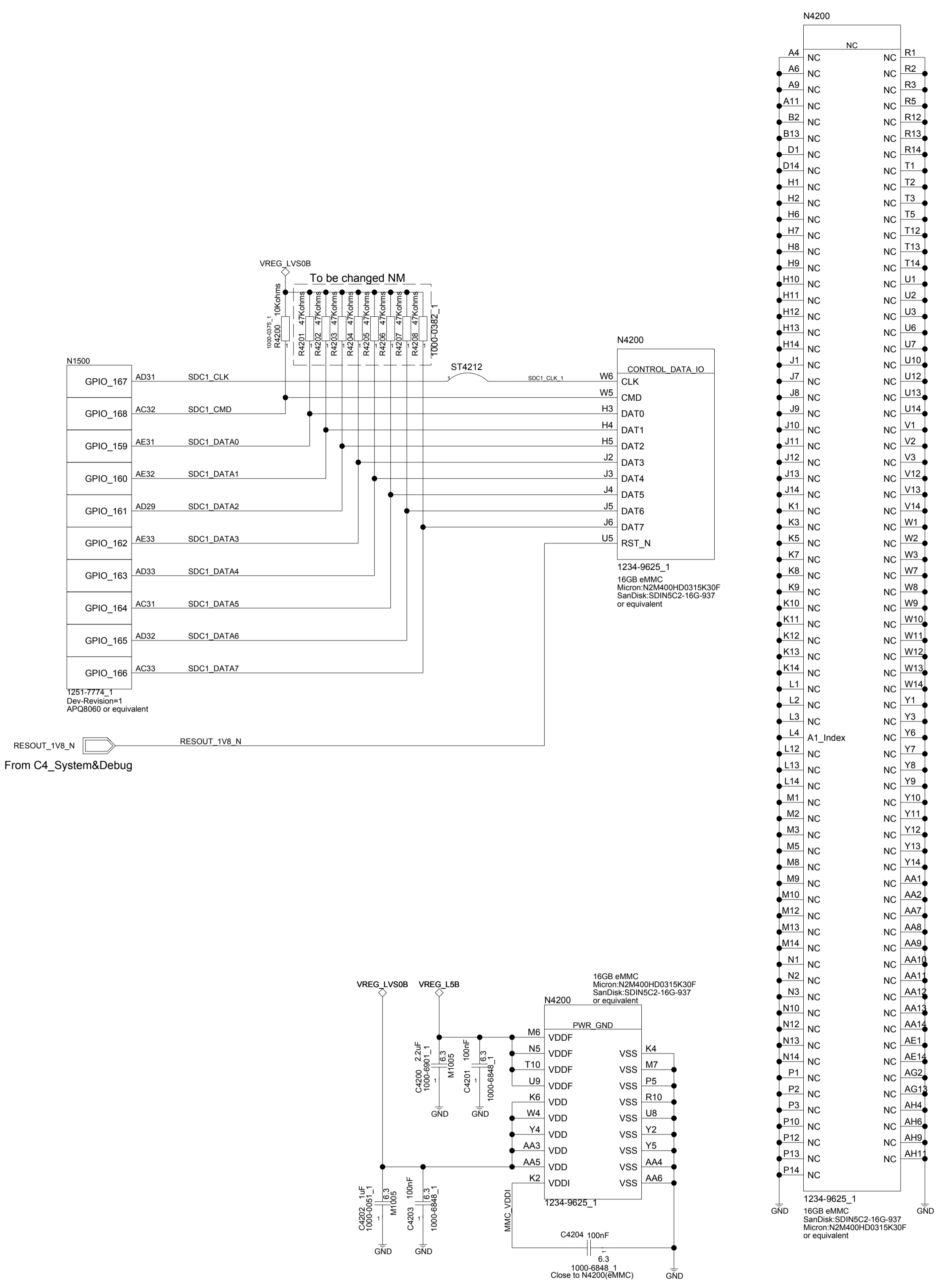
Charging and Battery Management - 1300



| | | | |
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| Confidential | | CIRCUIT DIAGRAM | |
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| Aoba Band1258 | | Document responsible: LI LEO | |
| Main PBA | | Document responsible: WANG KEVIN | |
| Core | | Project/Component name: AOABA | |
| | | Type: rev:FCID number: <AAL-8880001-BV> | |
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| | | Rev: 1251-7053 | |
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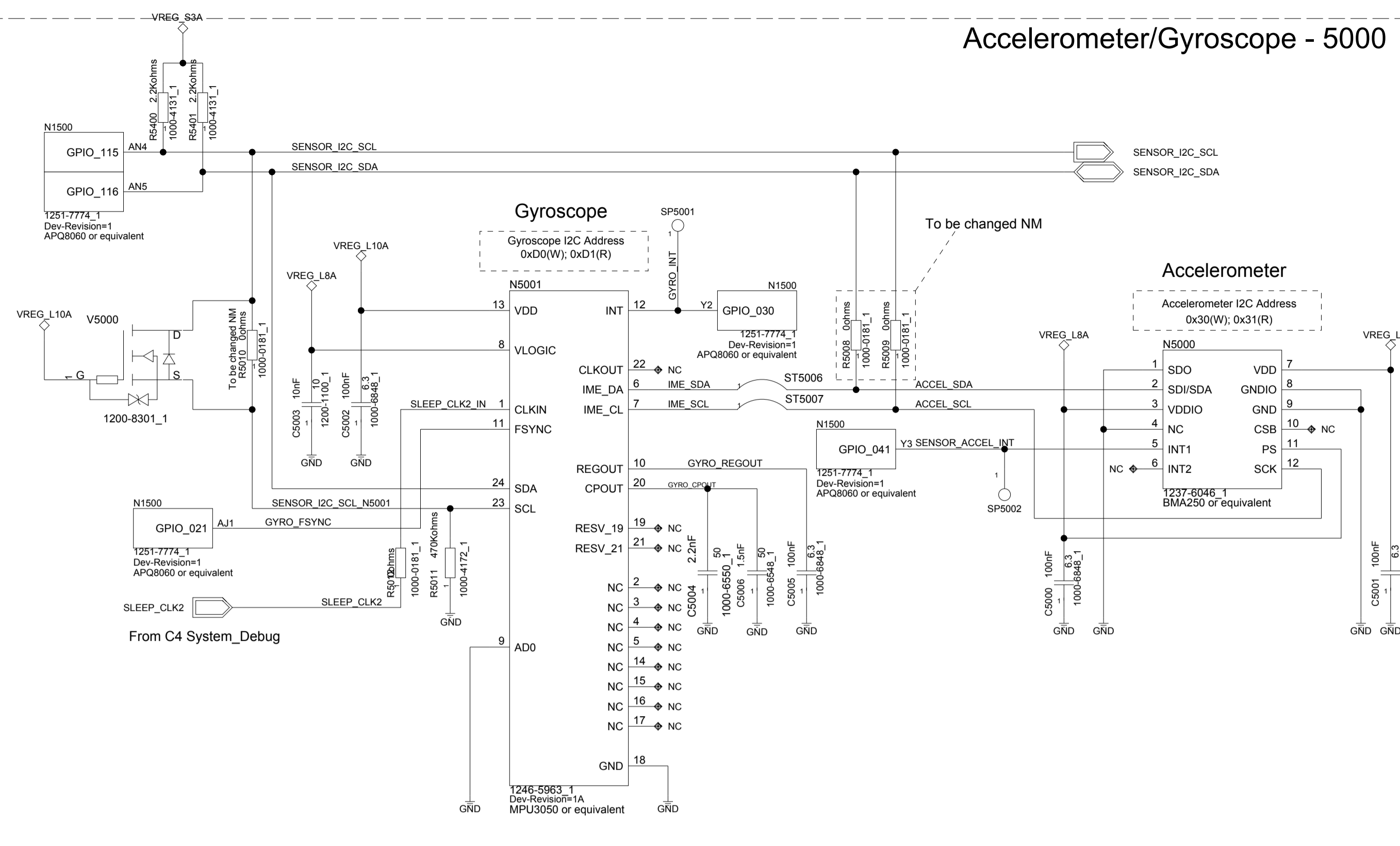
eMMC-4200

Memory-2400

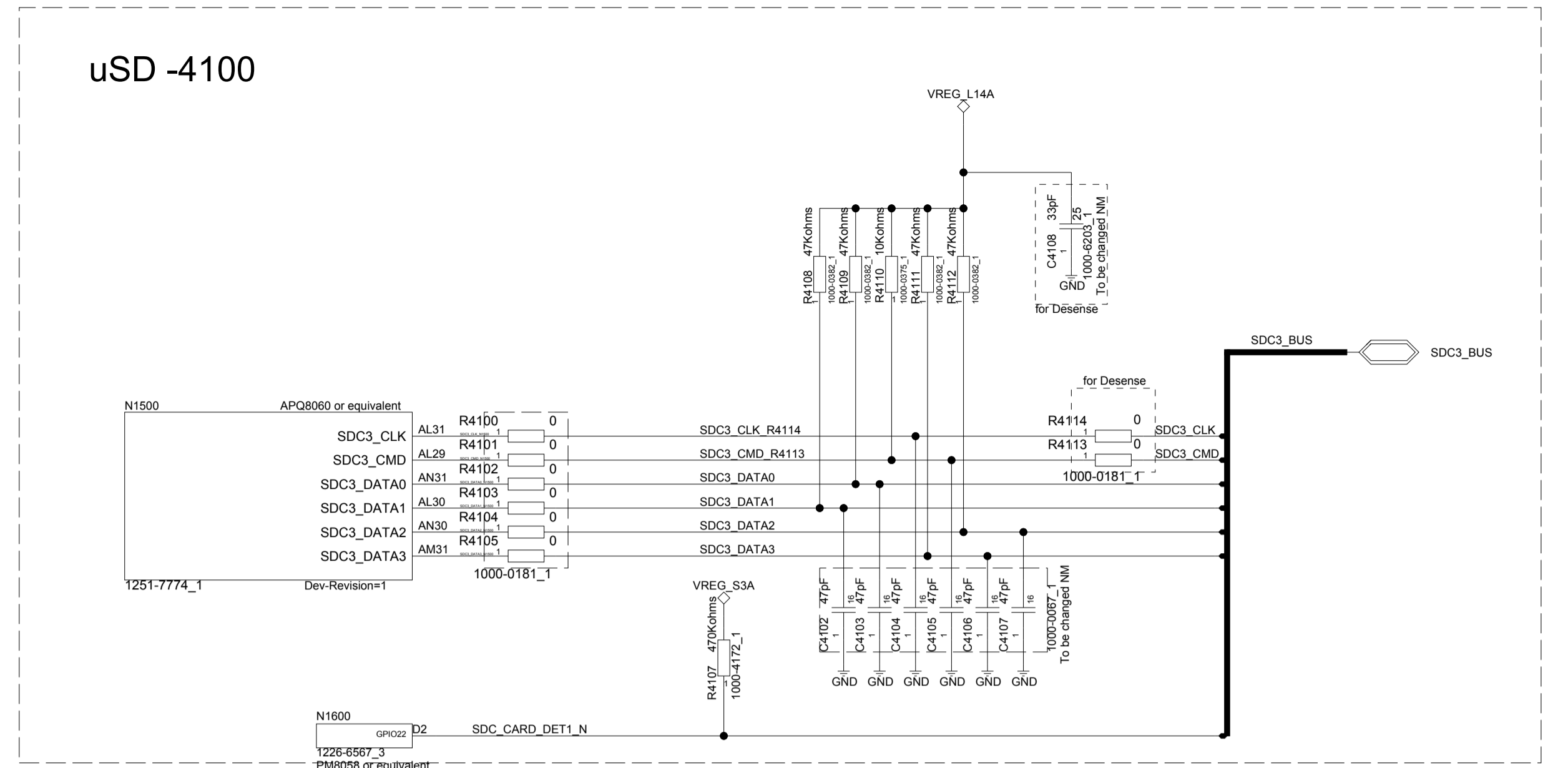


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| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | Prepared (Date subject responsible's name) WANG KEVIN | |
| Aoba Band1258 Main PBA Core | | Document responsible LI LEO | |
| Memories | | Document responsible/Approval WANG KEVIN | |
| 1251-7044 1L | | Project/Component name AOBA | |
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| 06-12-2011_11:31 | | Date | |
| C5 | | Sheet | |

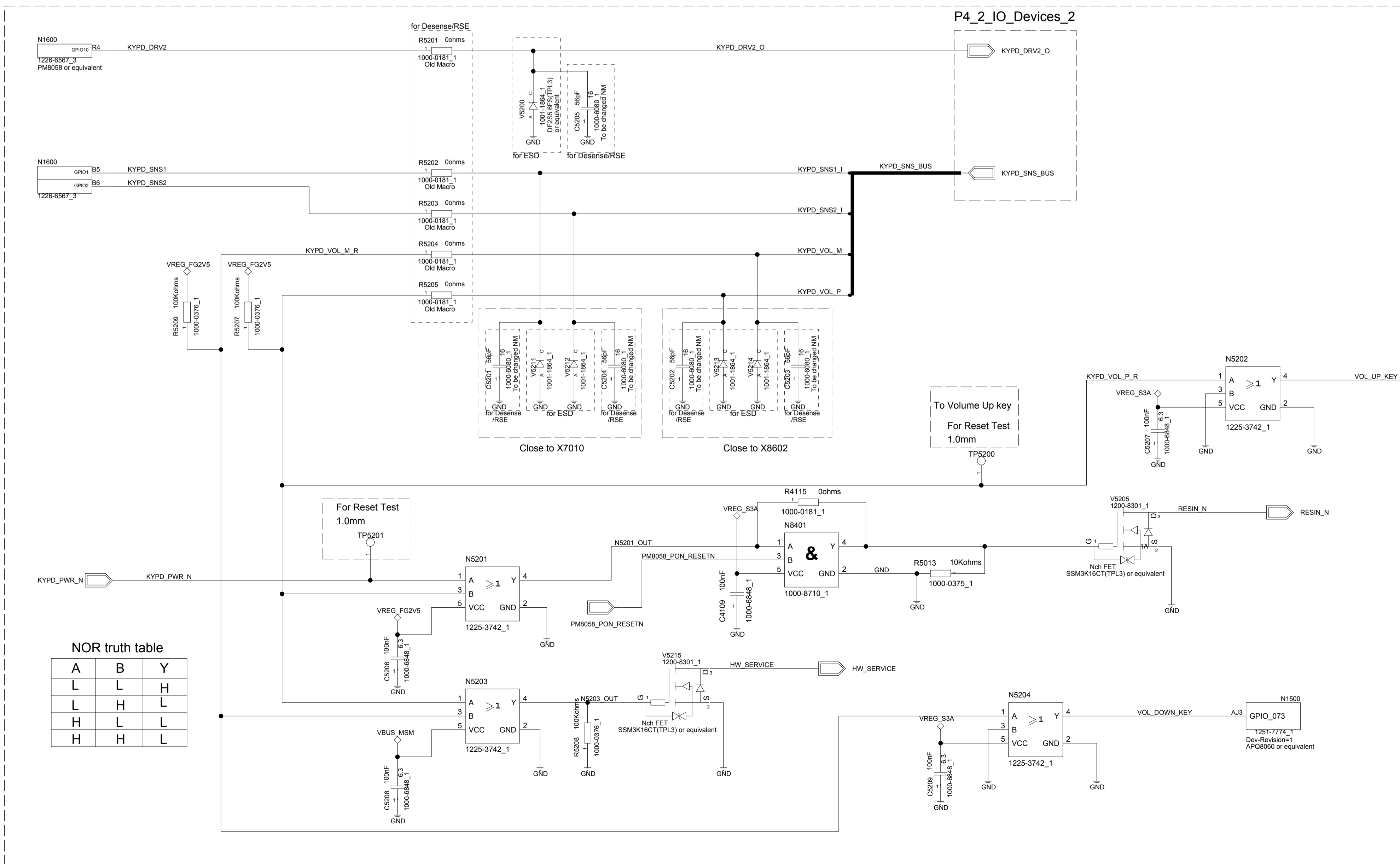
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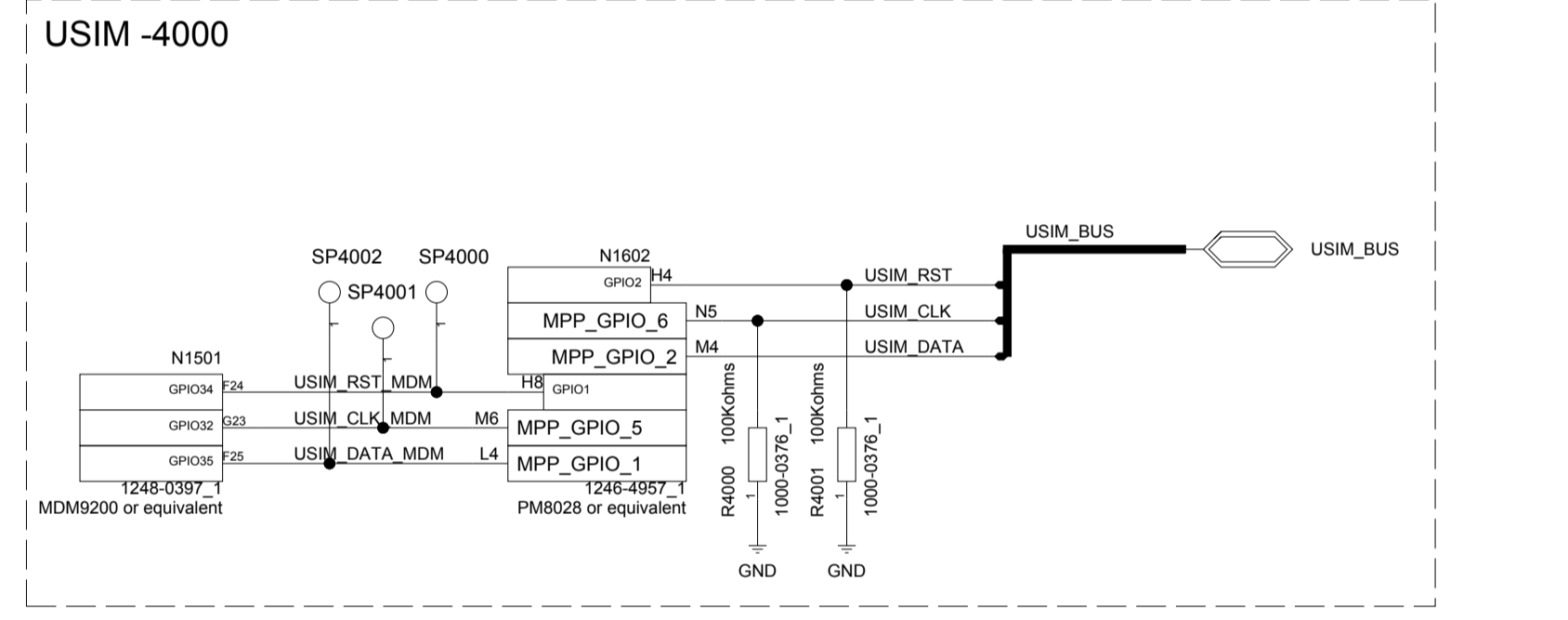
uSD -4100



Keyboard - 5200



USIM -4000



Confidential

Sony Ericsson

Aoba Band1258 Main PBA Peripheral

IO_Devices_1

CIRCUIT DIAGRAM

WANG KEVIN

LI LEO

WANG KEVIN

AOBA

1251-7044 1L

1251-7053

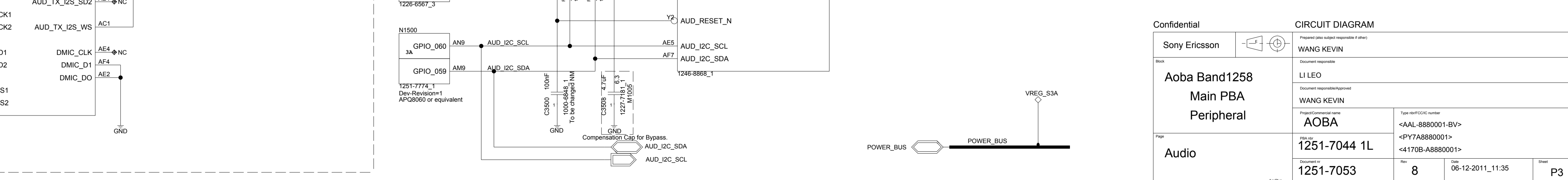
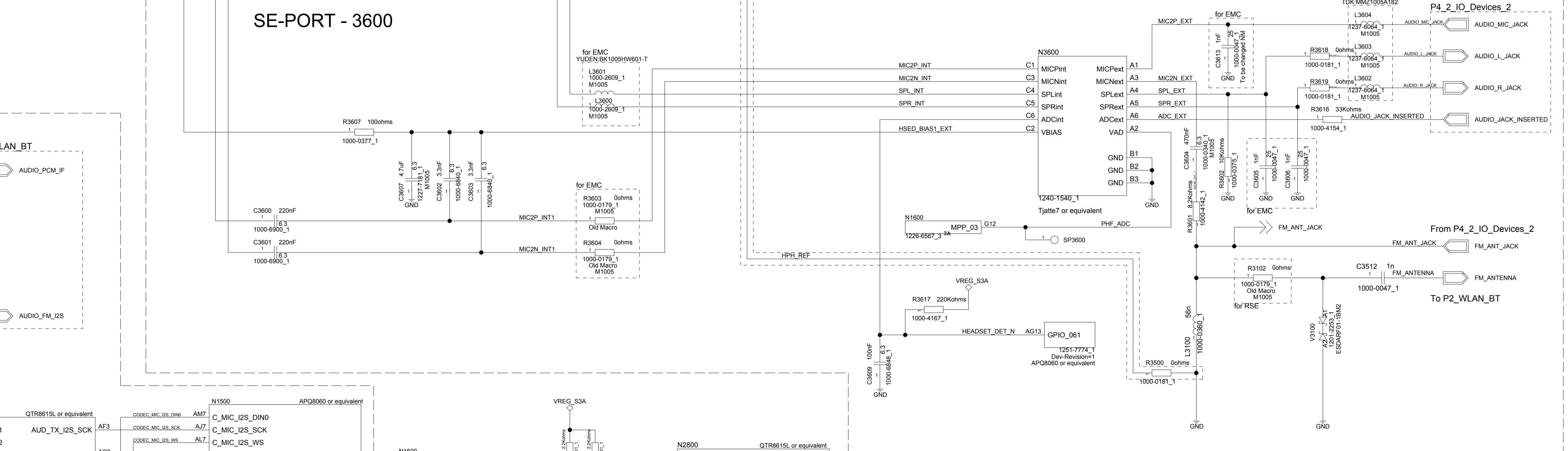
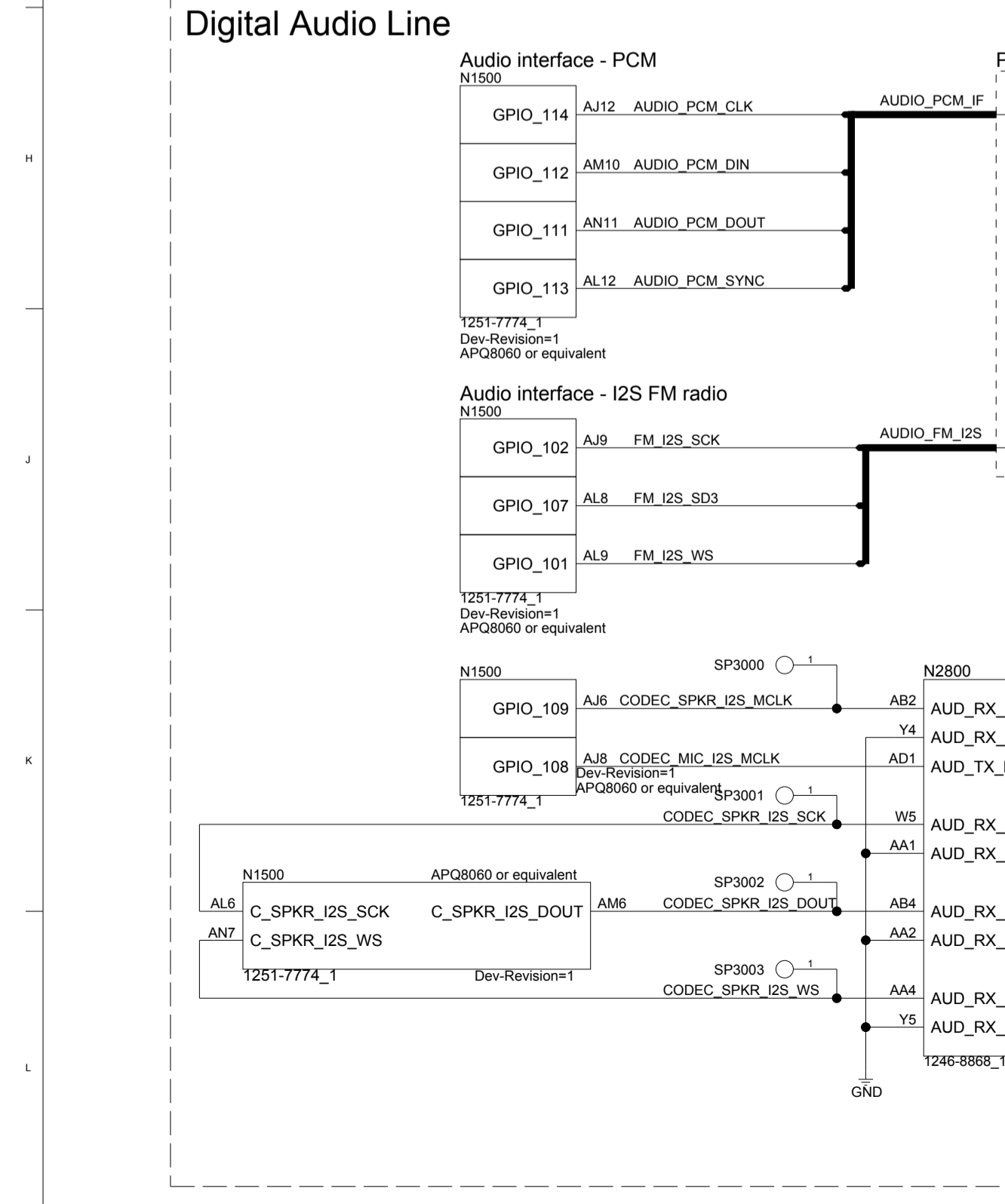
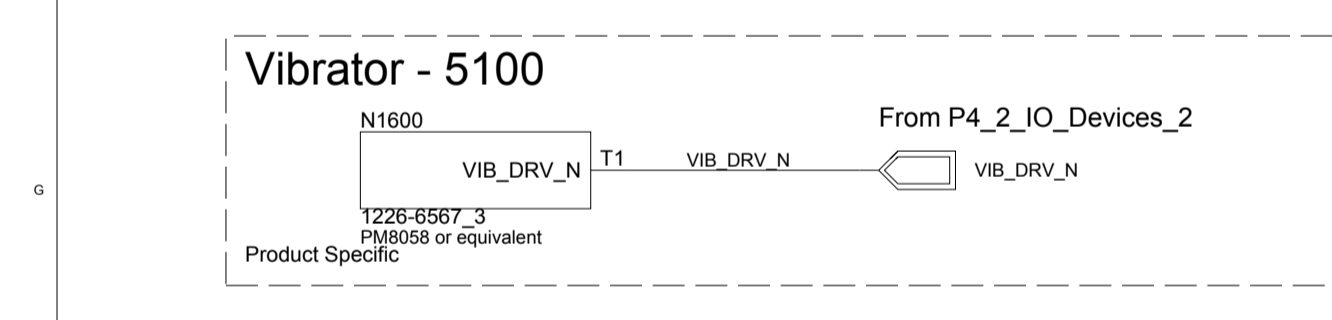
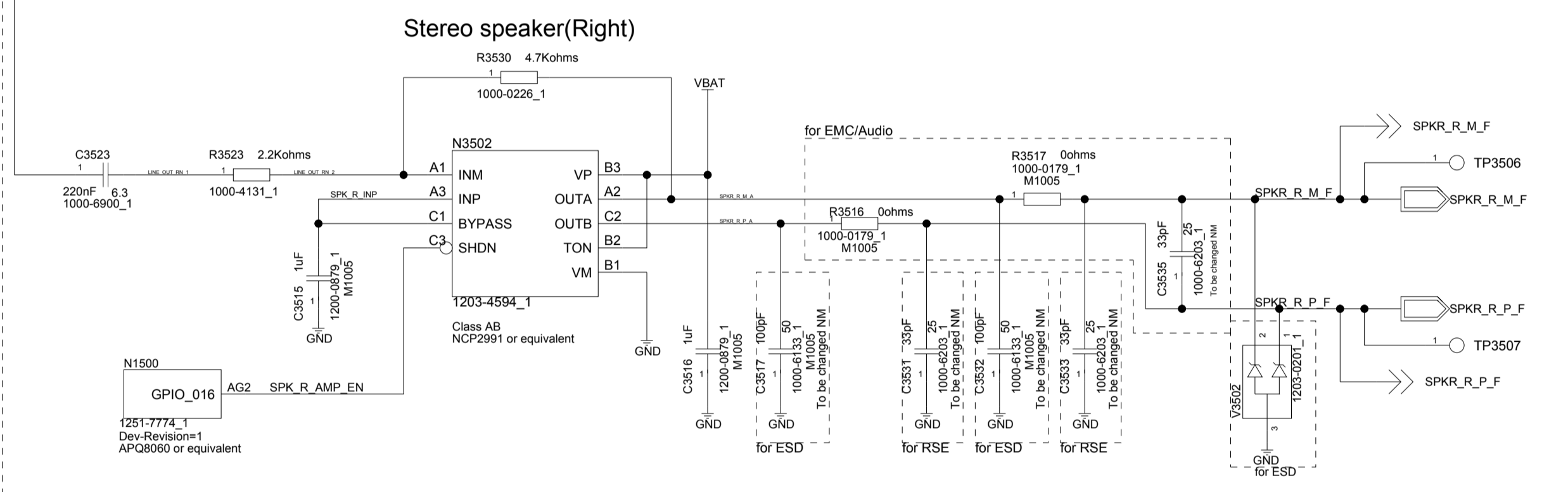
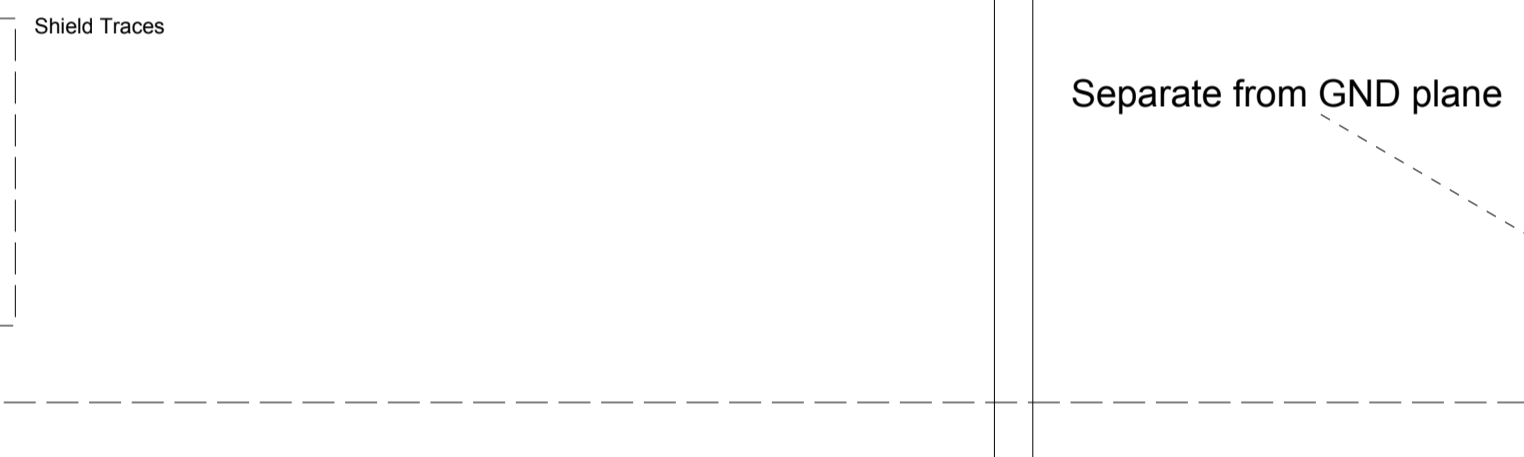
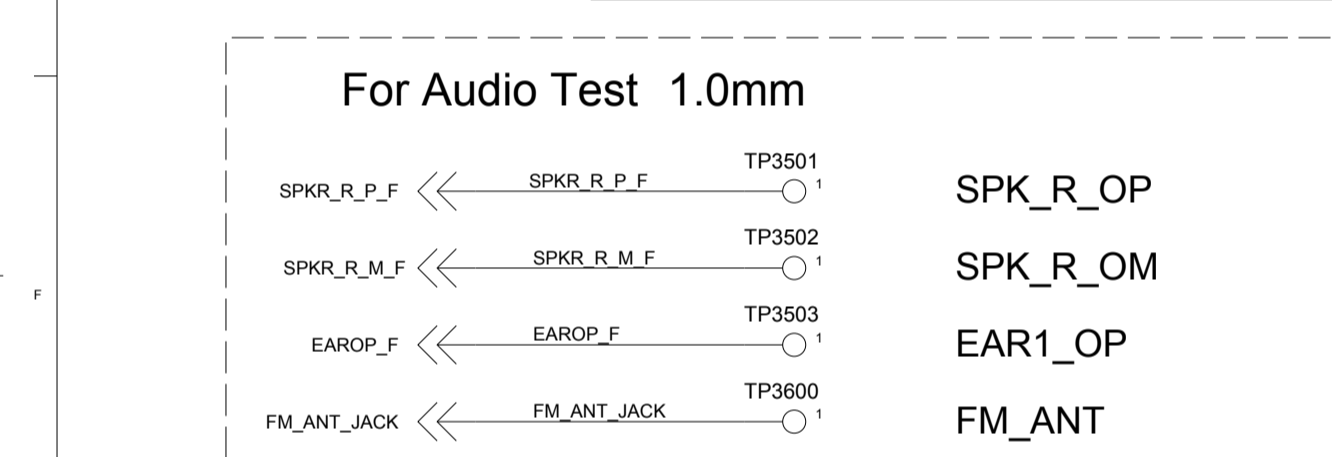
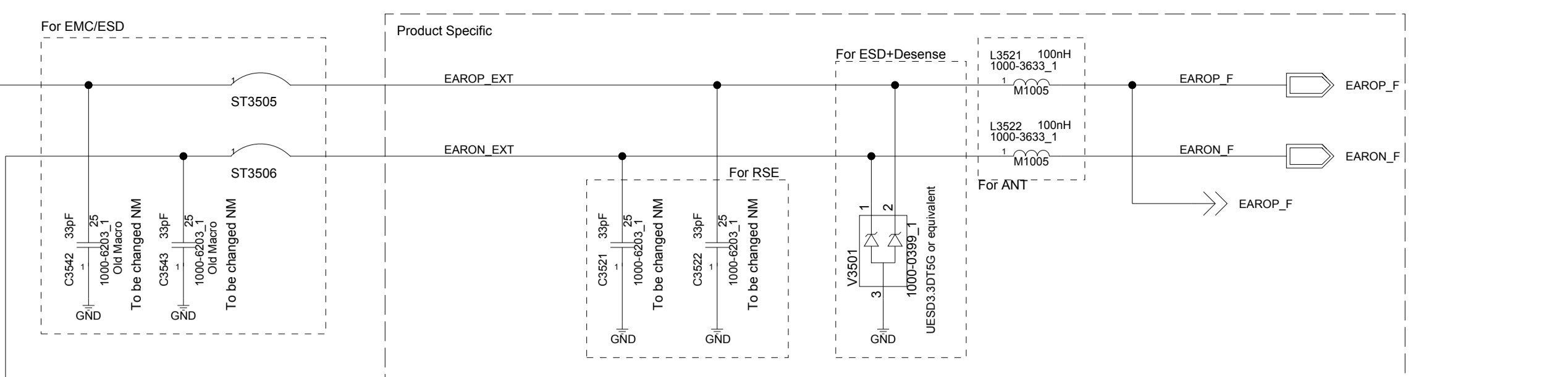
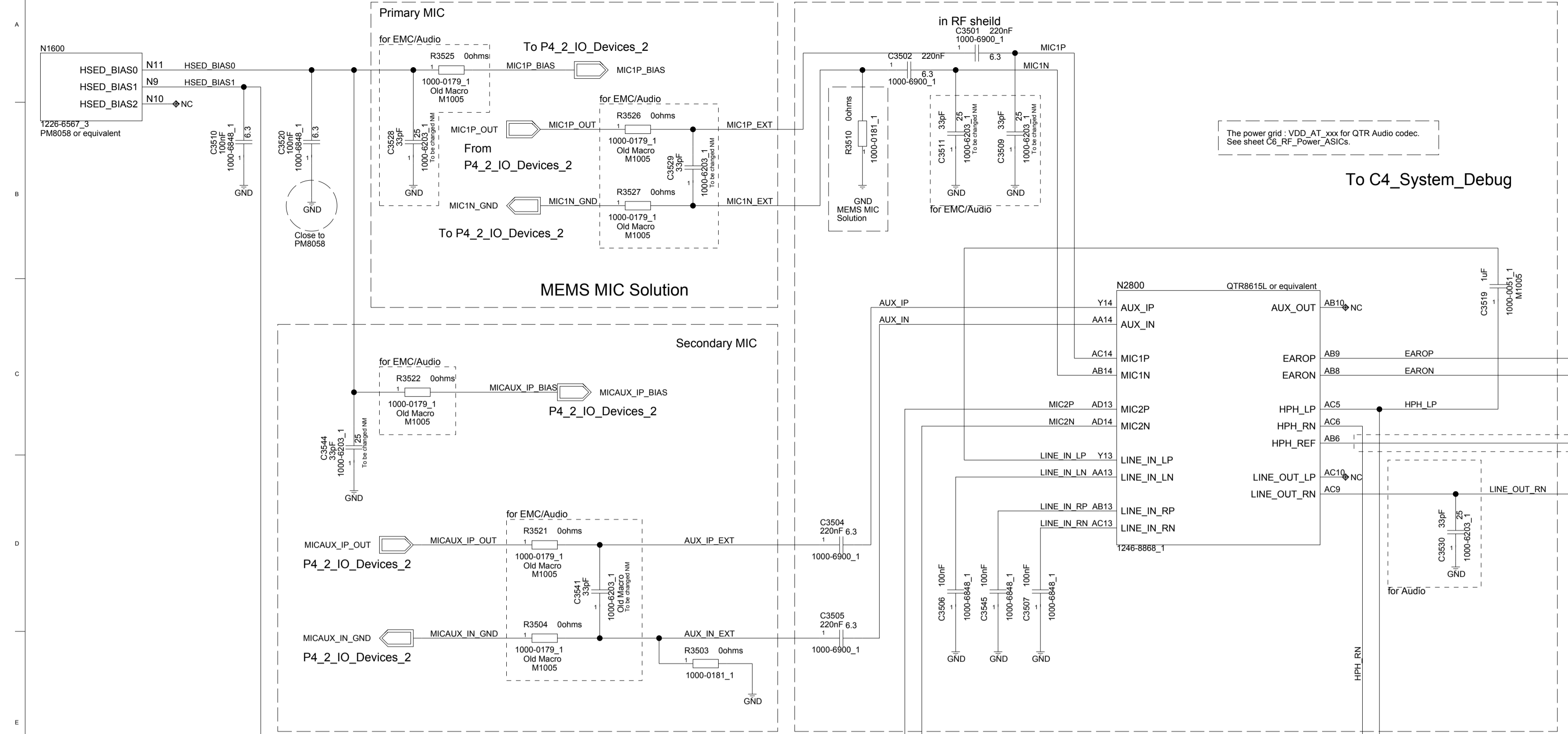
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23-11-2011_10:06

P4_1

Analog Audio - 3500

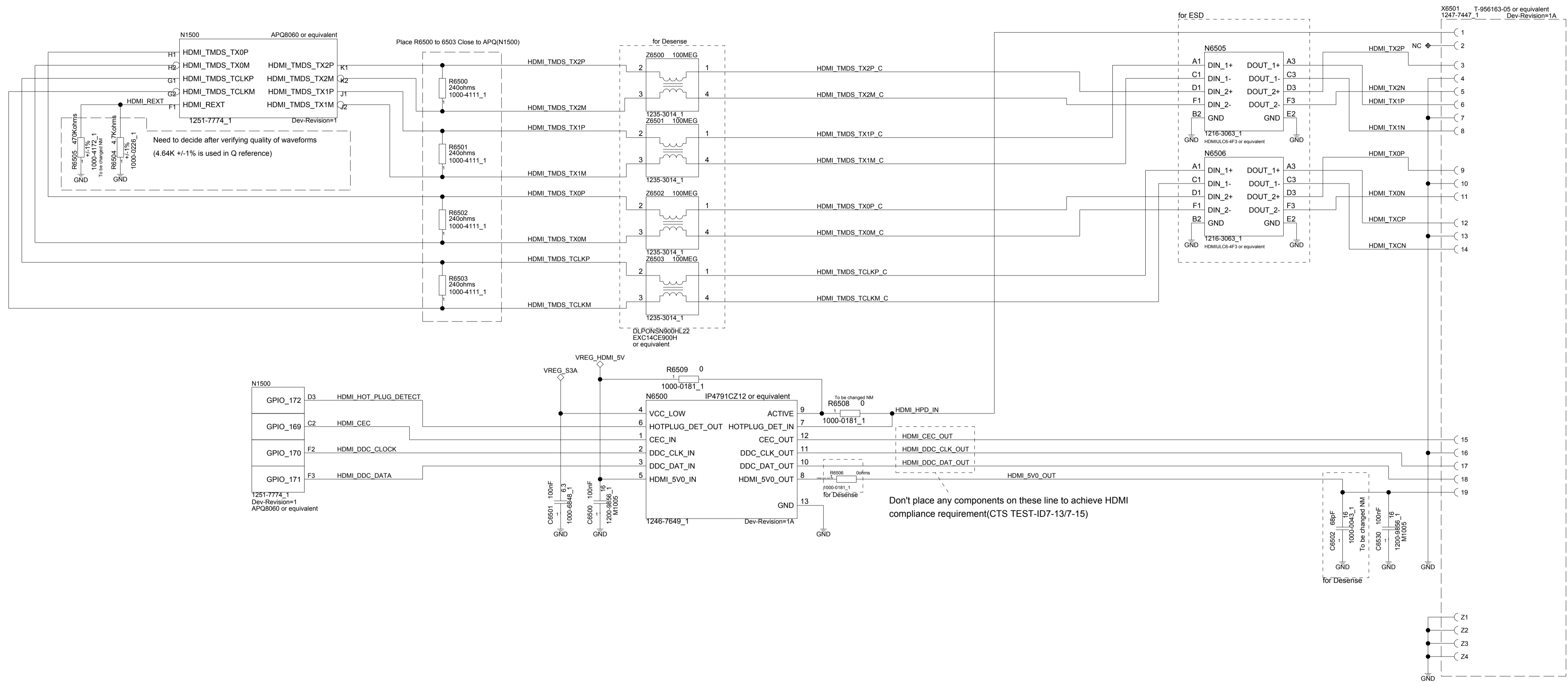
Each project can select Mic solution
ECM or MEMS (This part is not CCM)



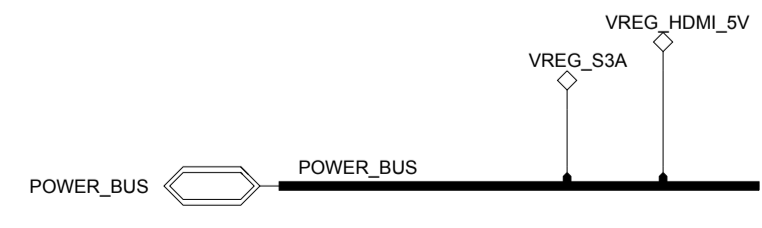
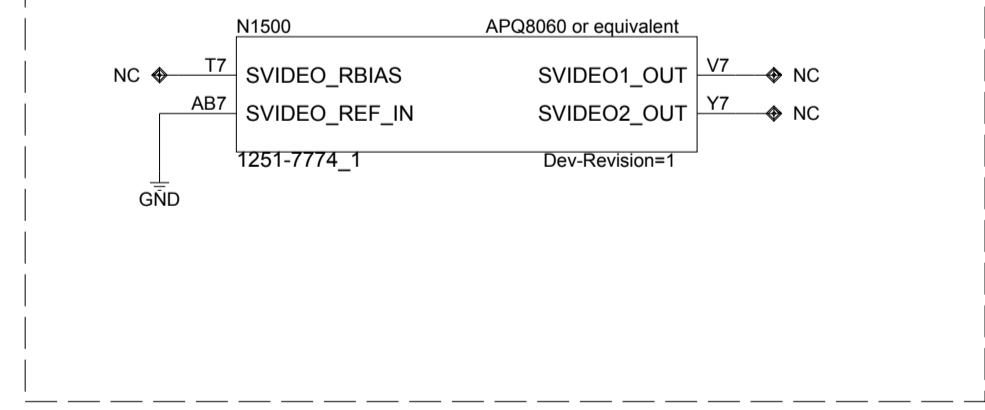
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| Sony Ericsson | | Prepared (Date subject responsible if any) | |
| Aoba Band1258 | | WANG KEVIN | |
| Main PBA | | Document responsible | |
| Peripheral | | LI LEO | |
| Audio | | Document responsible/Approval | |
| | | WANG KEVIN | |
| | | Project/Component name | |
| | | Aoba | |
| | | Type ref/CDC number | |
| | | <AAL-8880001-BV> | |
| | | <PY7A8880001> | |
| | | Part no. | |
| | | 1251-7044 1L | |
| | | Doc no. | |
| | | 1251-7053 | |
| | | Rev | |
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| | | Sheet | |
| | | P3 | |

HDMI - 6500

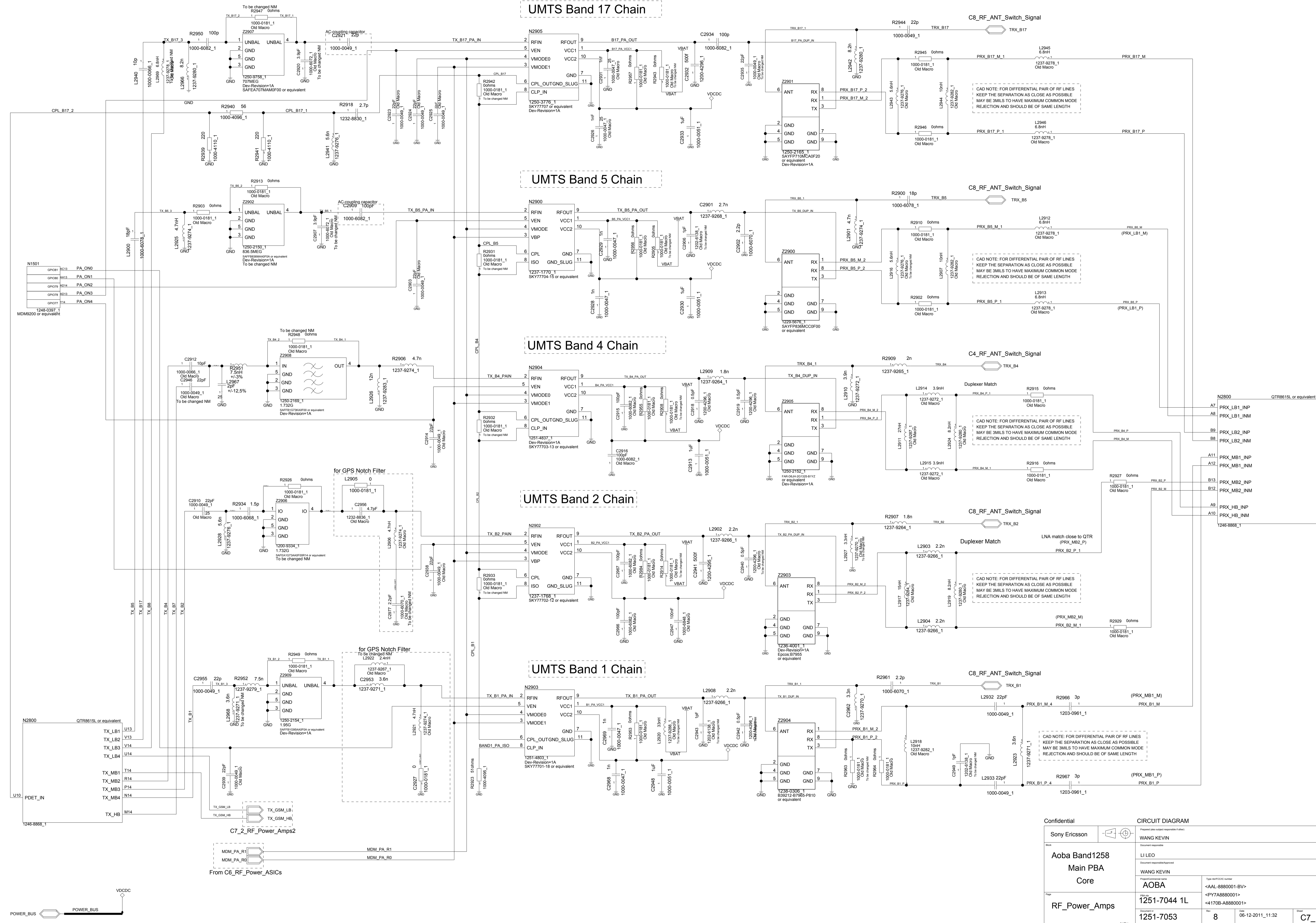
Product Specific



Analog TV - 6400

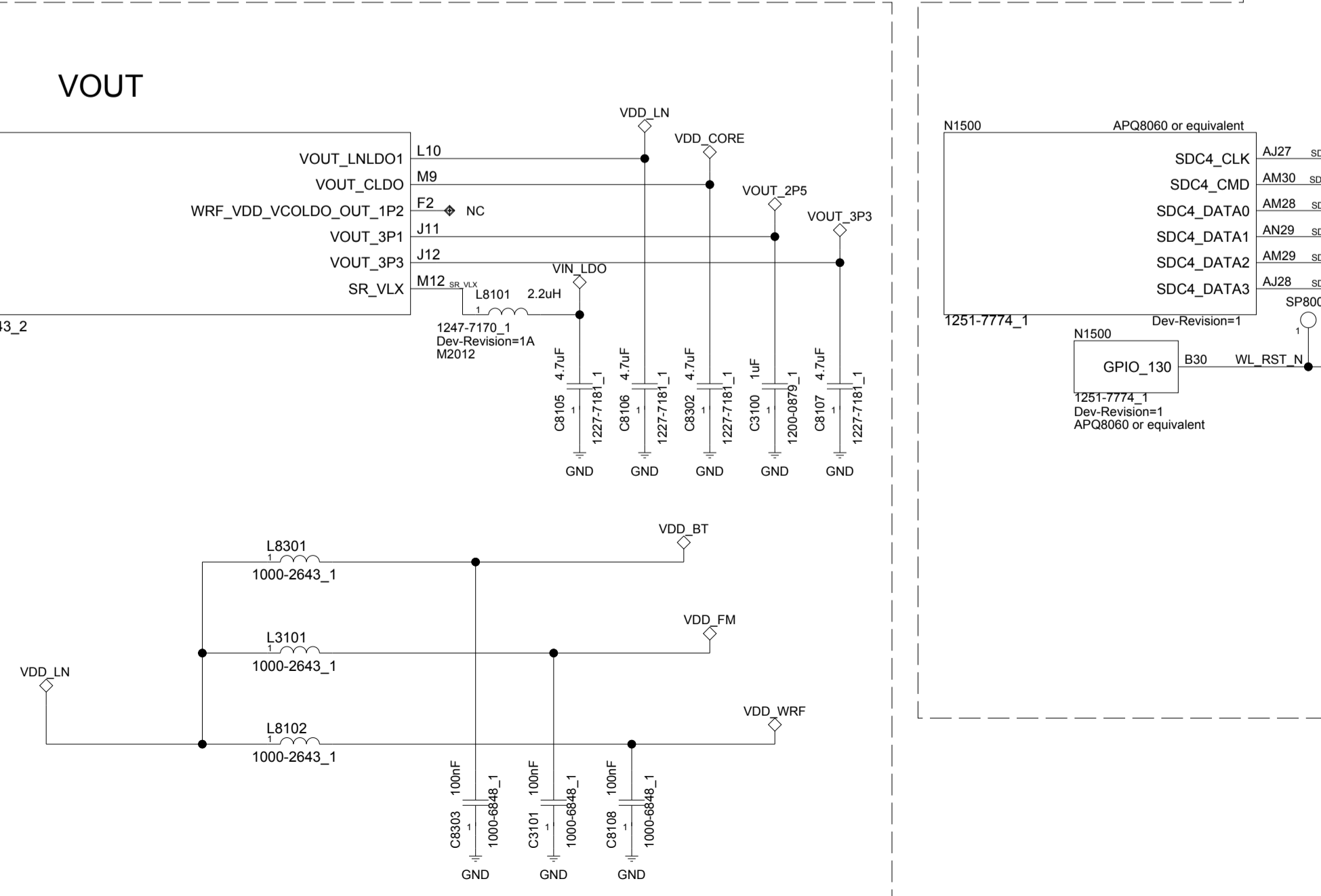
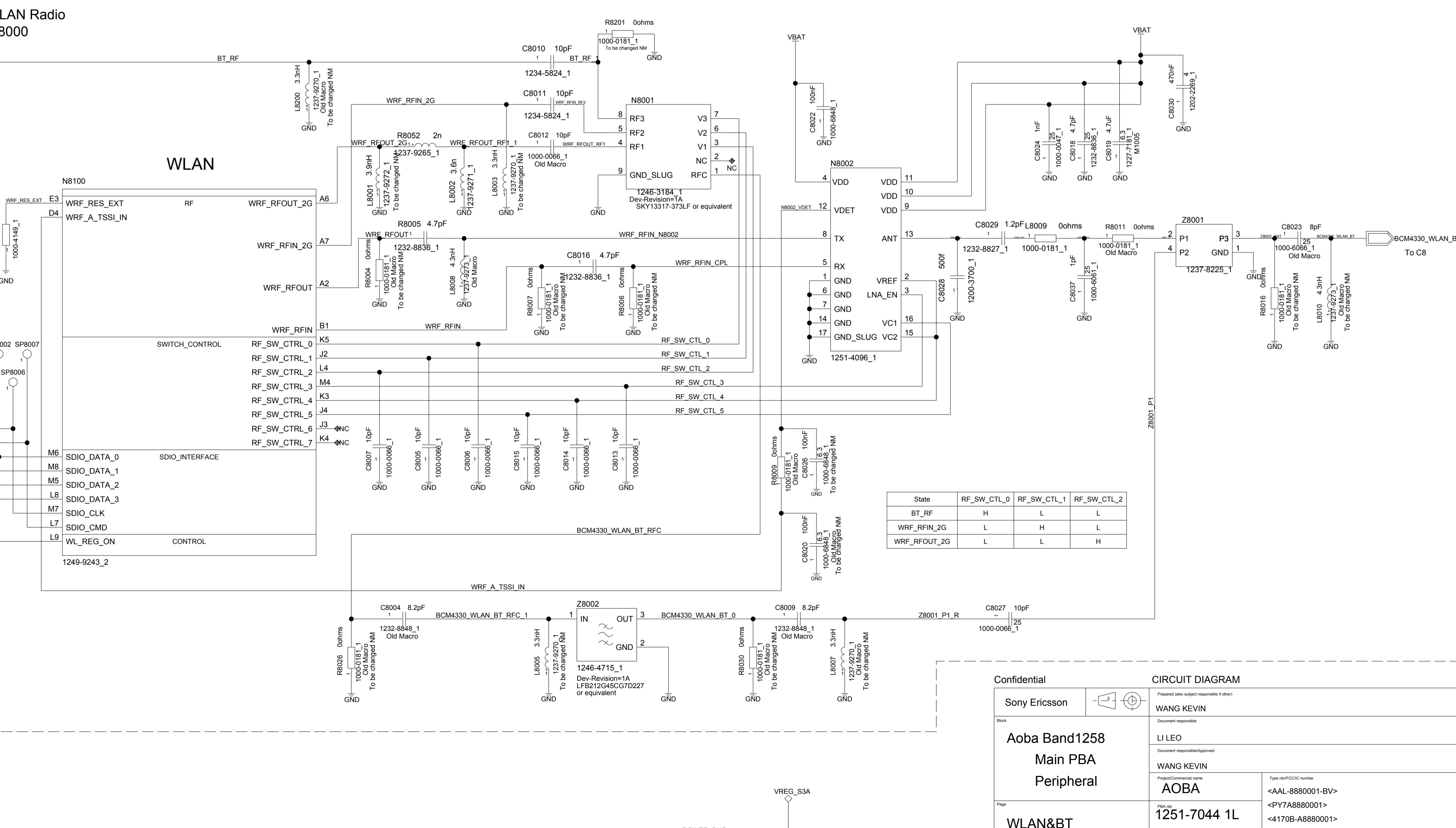
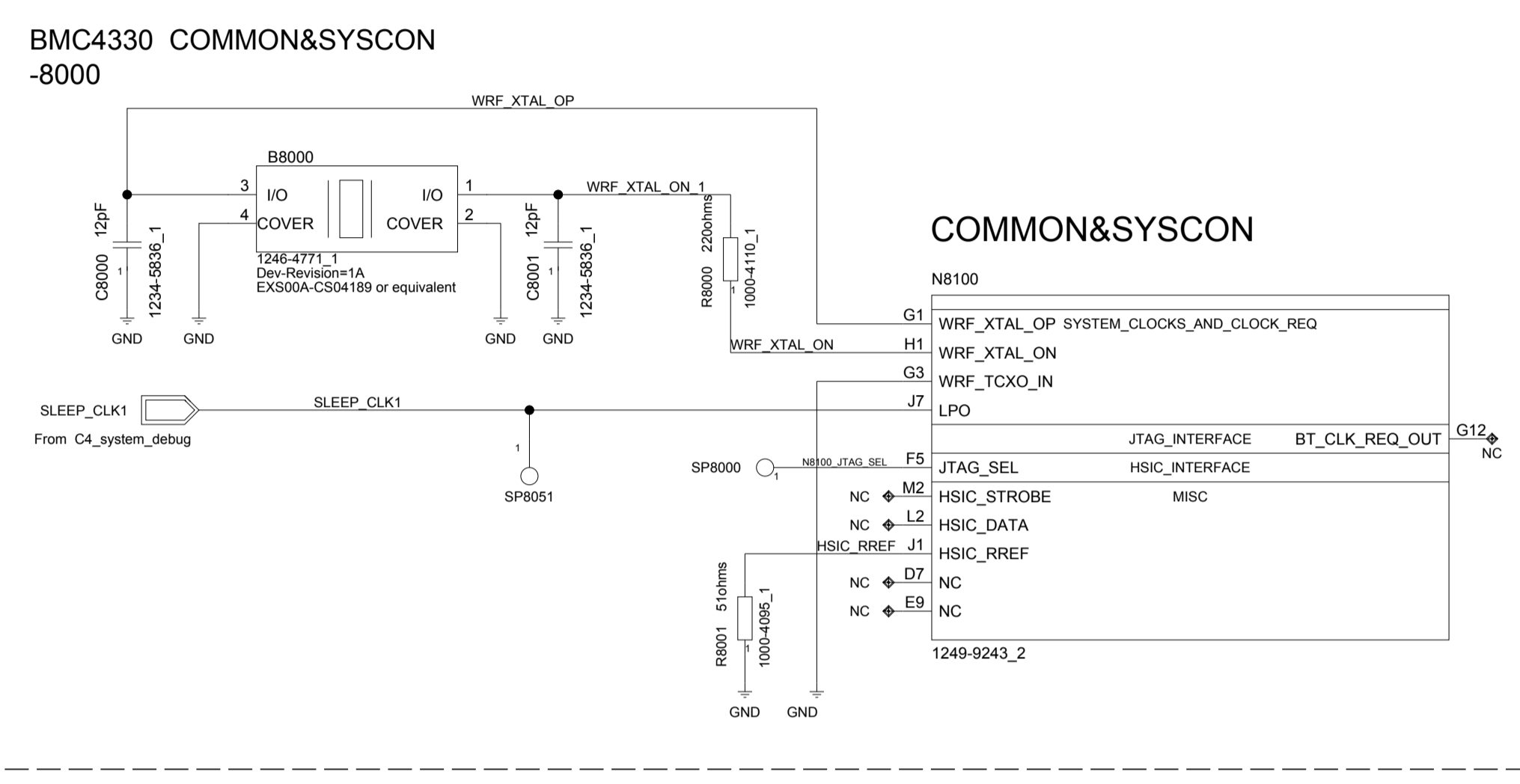
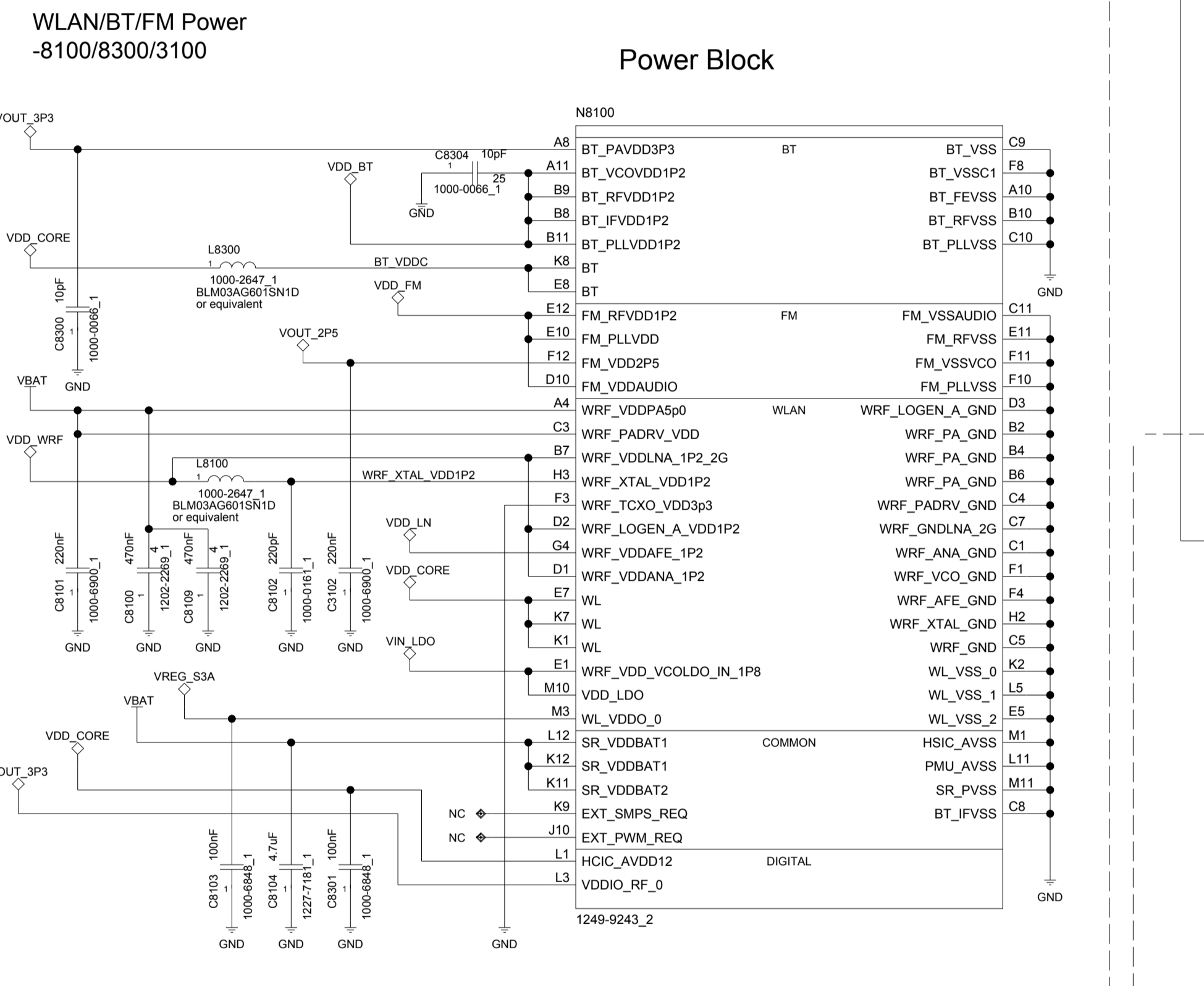
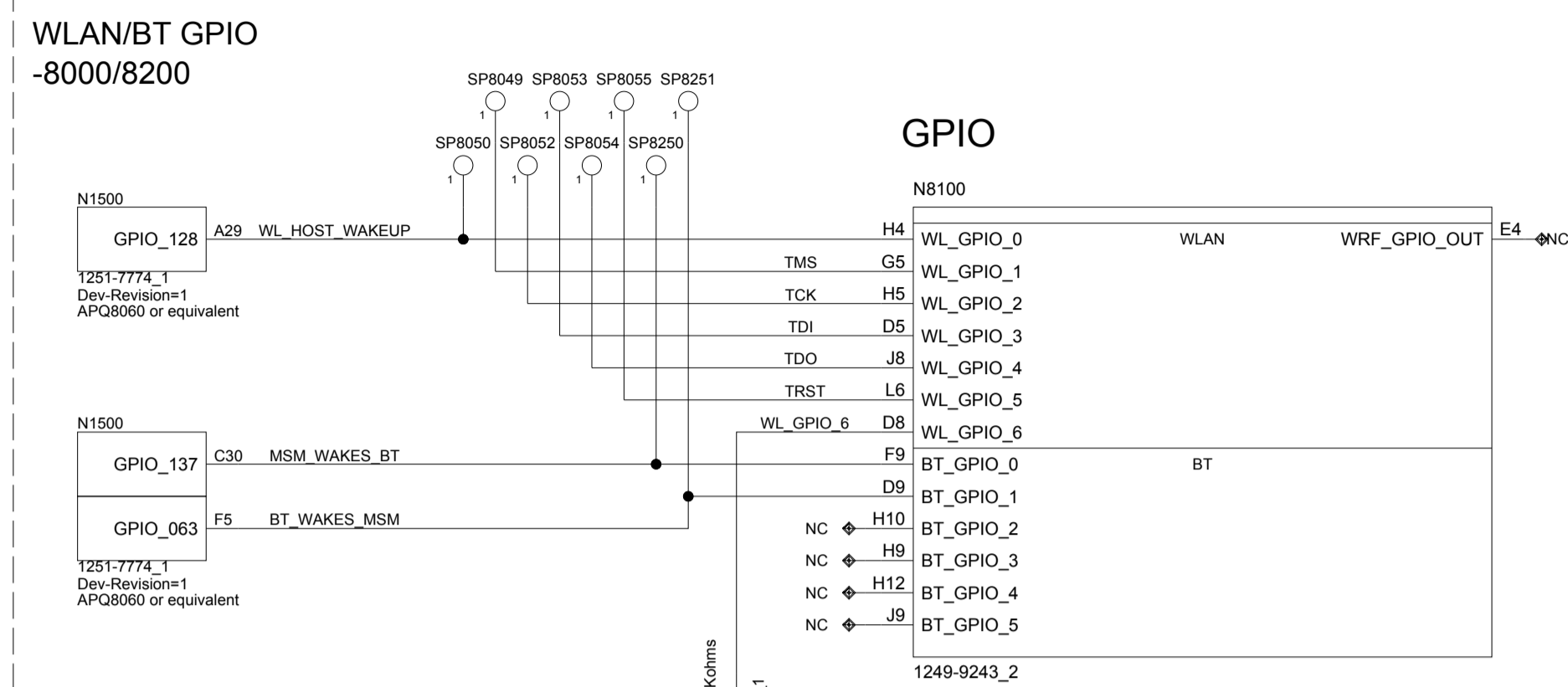
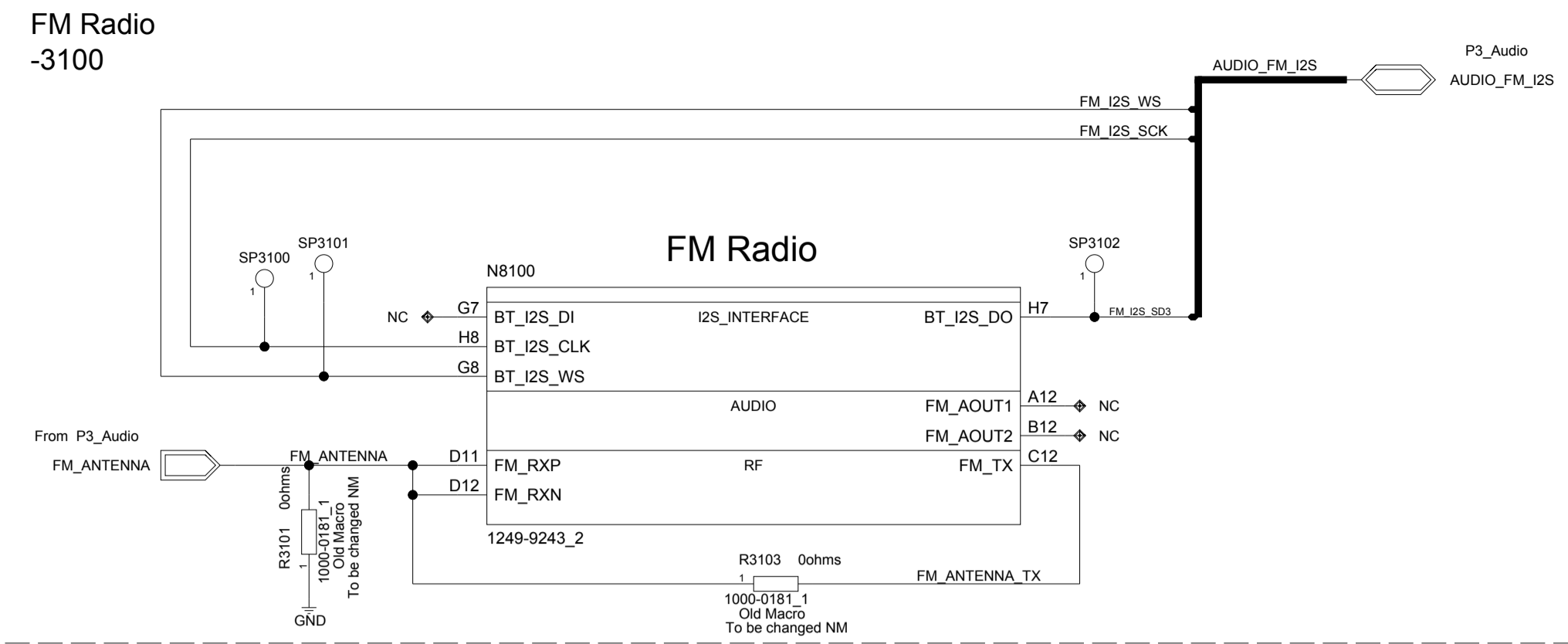
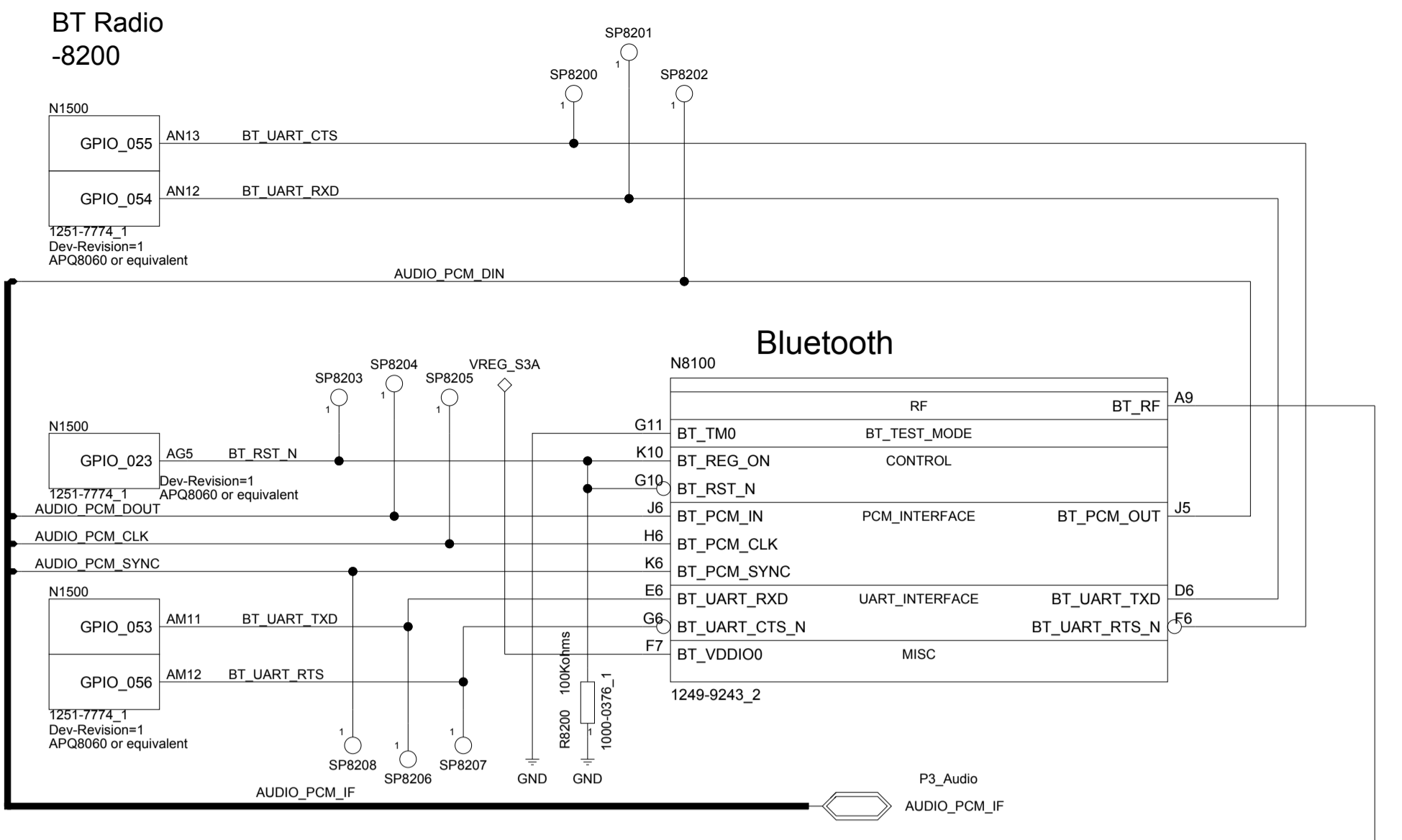


| | | | |
|---|--|---|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | WANG KEVIN | |
| Block | | Document responsible | |
| Aoba Band1258 Main PBA Peripheral | | LI LEO Document responsible/Approval | |
| Page | | HDMI | |
| 1251-7044 1L | | Type: ref/FCCID number | |
| 1251-7053 | | <AAL-8880001-BV> <PY7A8880001> <4170B-A8880001> | |
| 8 | | Date: 06-12-2011_11:37 | |
| P8 | | Sheet | |



| | | | |
|----------------------|--|-------------------------------|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | Prepared (Date) (Author) | |
| WANG KEVIN | | WANG KEVIN | |
| Document responsible | | Document responsible | |
| LI LEO | | Document responsible/Approval | |
| WANG KEVIN | | Project/Committee name | |
| AOBA | | Type (ref) (Doc) number | |
| 1251-7044 1L | | <AAL-8880001-BV> | |
| RF_Power_Amps | | <PYTA8880001> | |
| 1251-7053 | | <4170B-A8880001> | |
| 8 | | Date | |
| 06-12-2011_11:32 | | Sheet | |
| C7_1 | | | |

BCM4330 WLAN/BT SIGNALS&POWER



Confidential

Sony Ericsson

Aoba Band1258
Main PBA
Peripheral

WANG KEVIN

LI LEO

WANG KEVIN

AOBA

1251-7044 1L

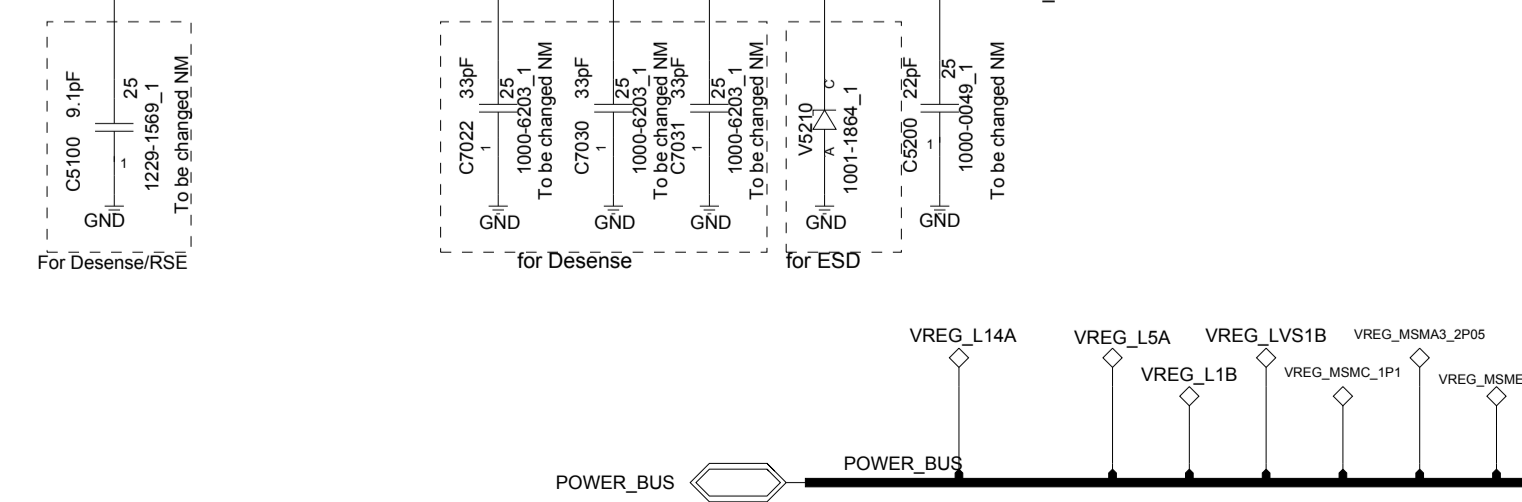
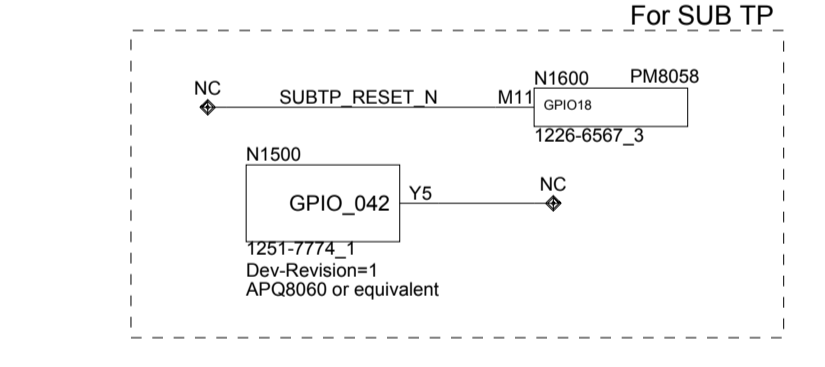
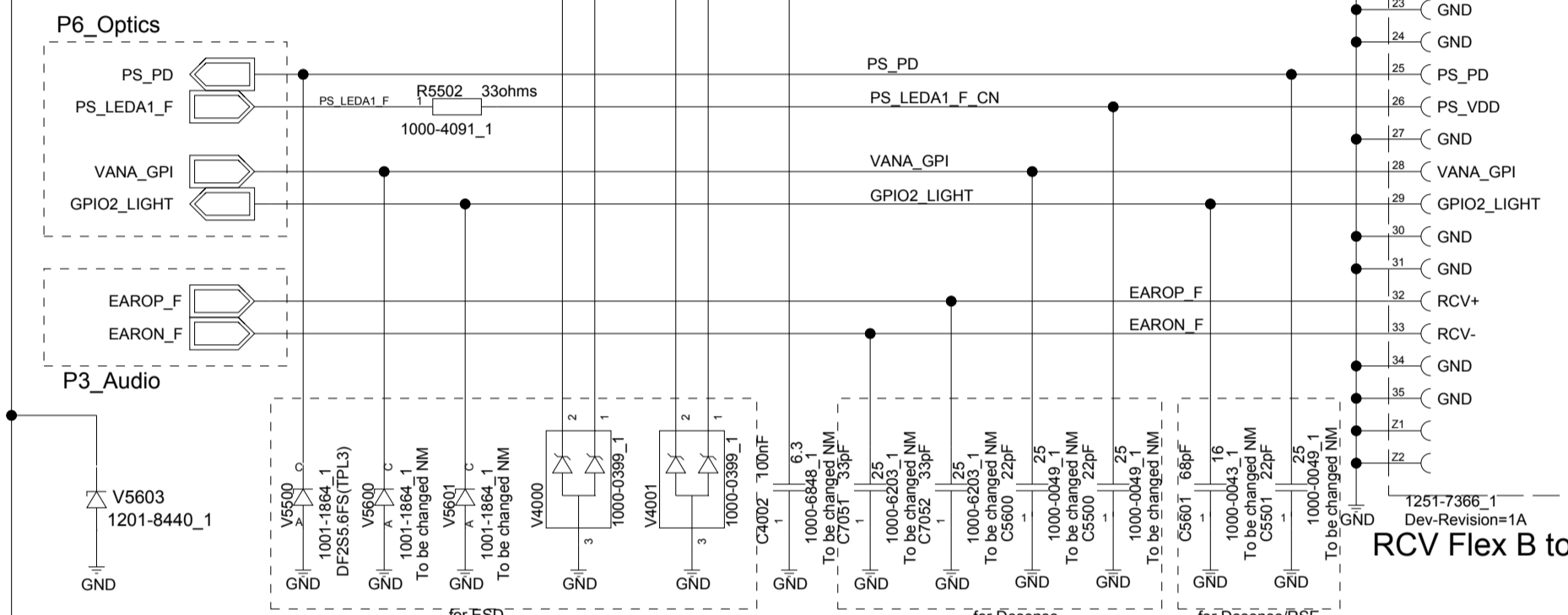
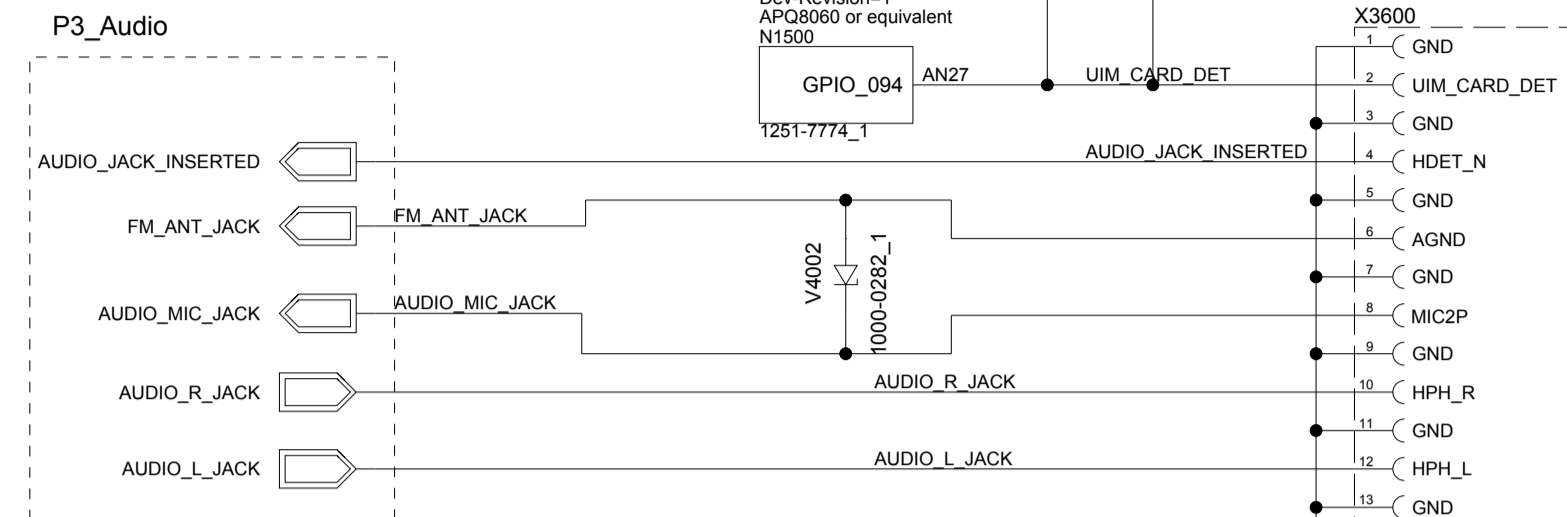
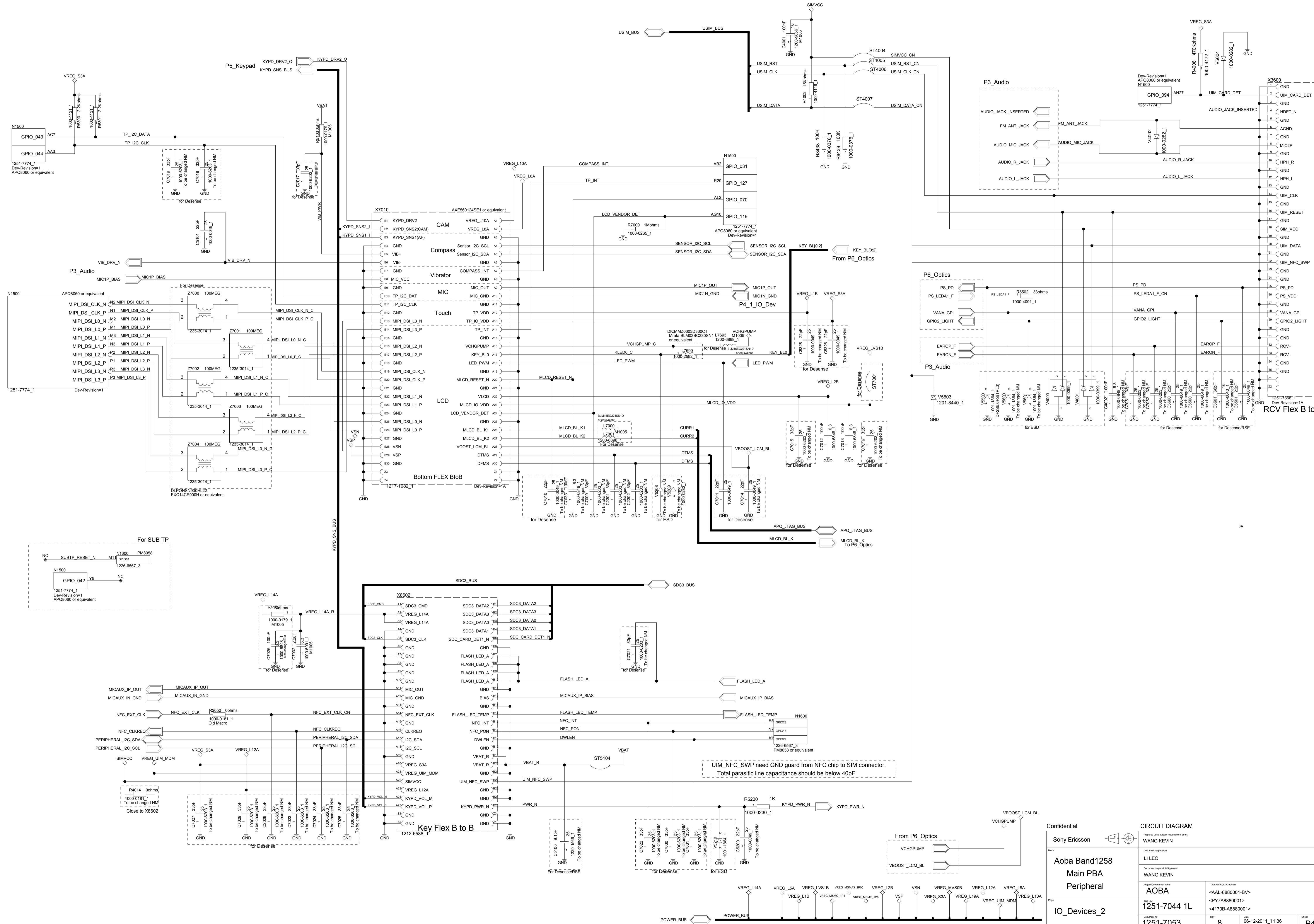
WLAN&BT

1251-7053

8

06-12-2011_11:34

P2



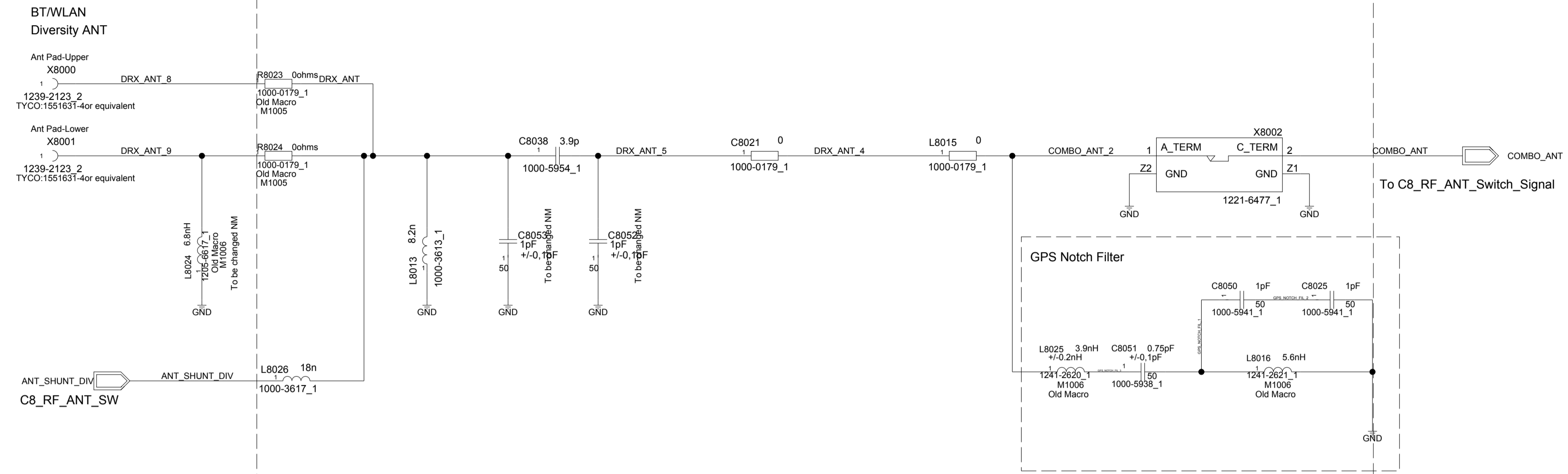
| Confidential | | CIRCUIT DIAGRAM | |
|---|--|---|--|
| Sony Ericsson | | WANG KEVIN | |
| Aoba Band1258 Main PBA Peripheral | | LI LEO | |
| IO_Devices_2 | | WANG KEVIN | |
| 1251-7044 1L | | Type ref/PCB number <AAL-888001-BV> <PY7A888001> <4170B-A888001> | |
| 1251-7053 | | 8 | |
| | | 06-12-2011_11:36 | |
| | | P4_2 | |

LF2530 01/F 8/01

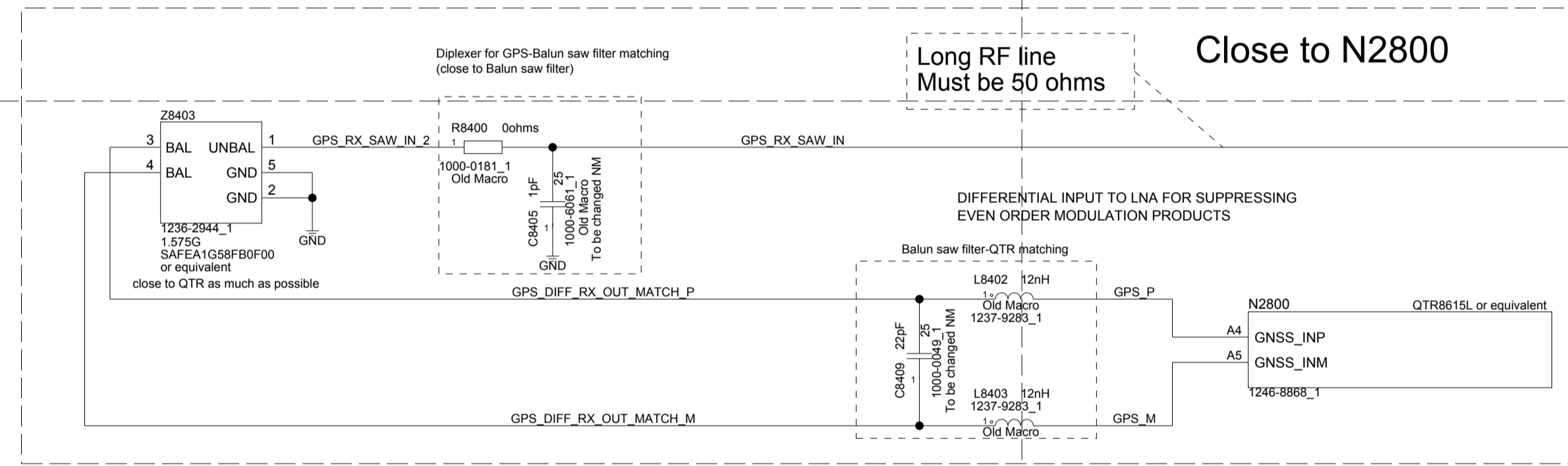
3A

1 feed Antenna solution for non cellular.

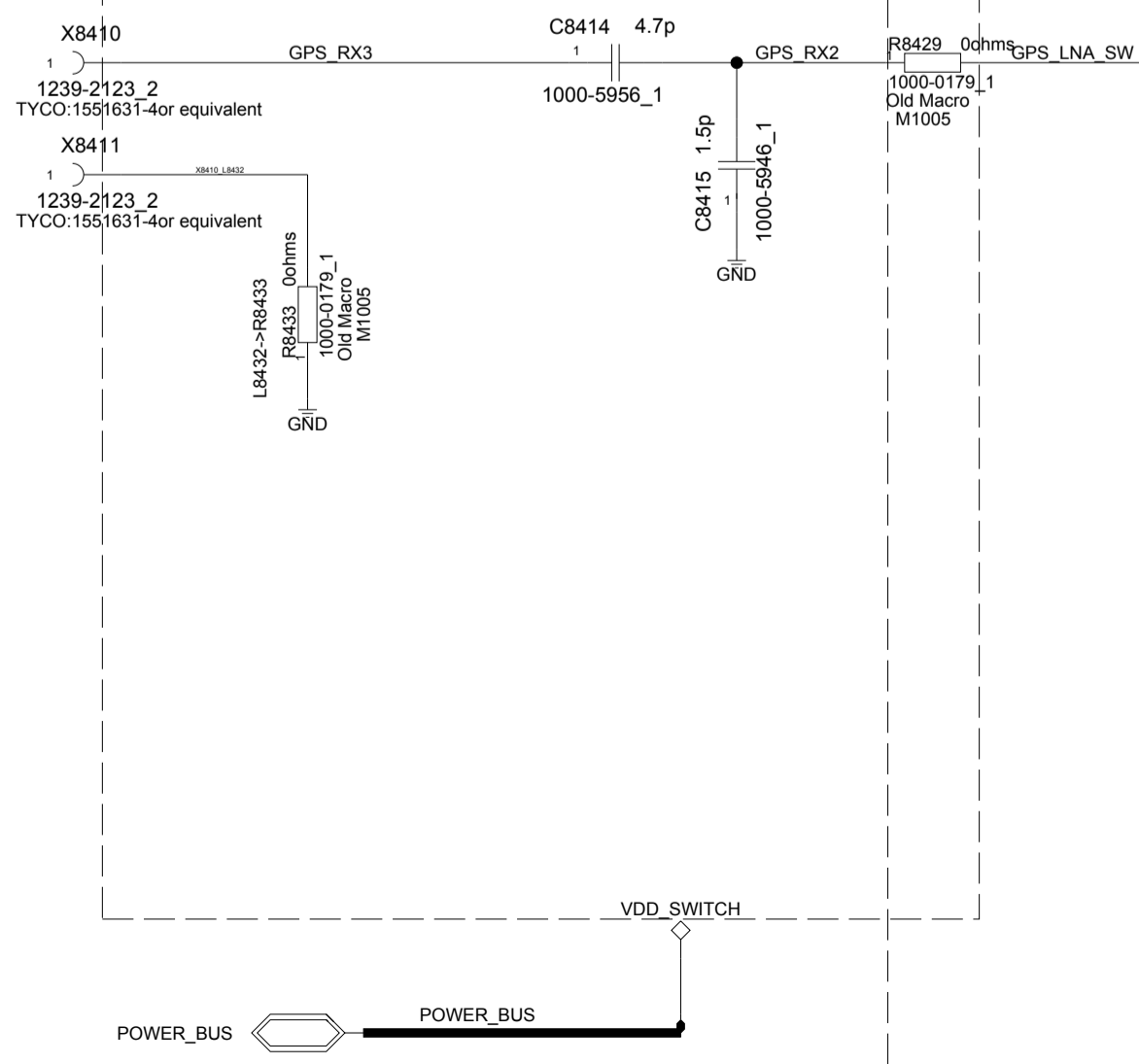
BT/WLAN/Diversity(125) Combo Antenna Matching Circuit -8000



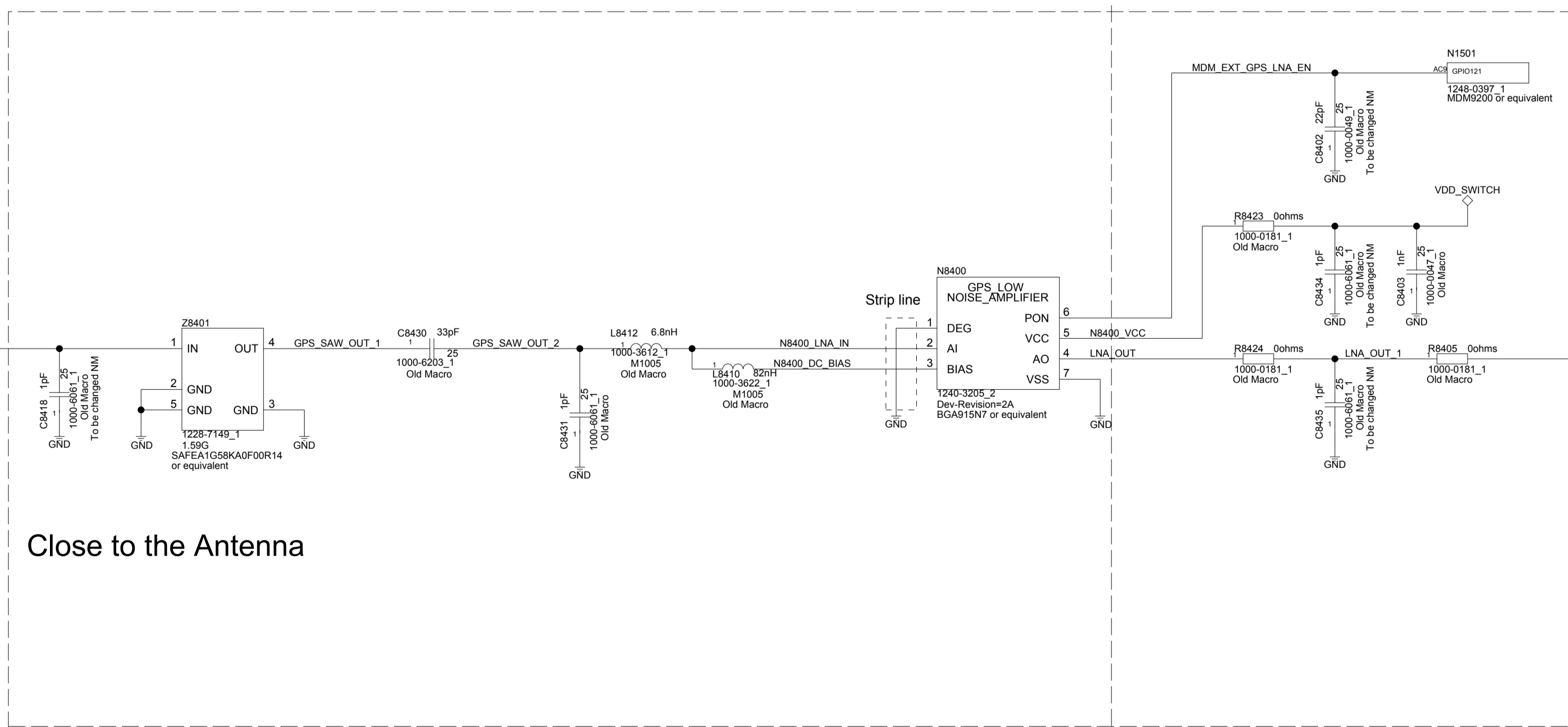
GPS/GNSS_PRIMARY_SYSTEM 8400-



Matching circuit

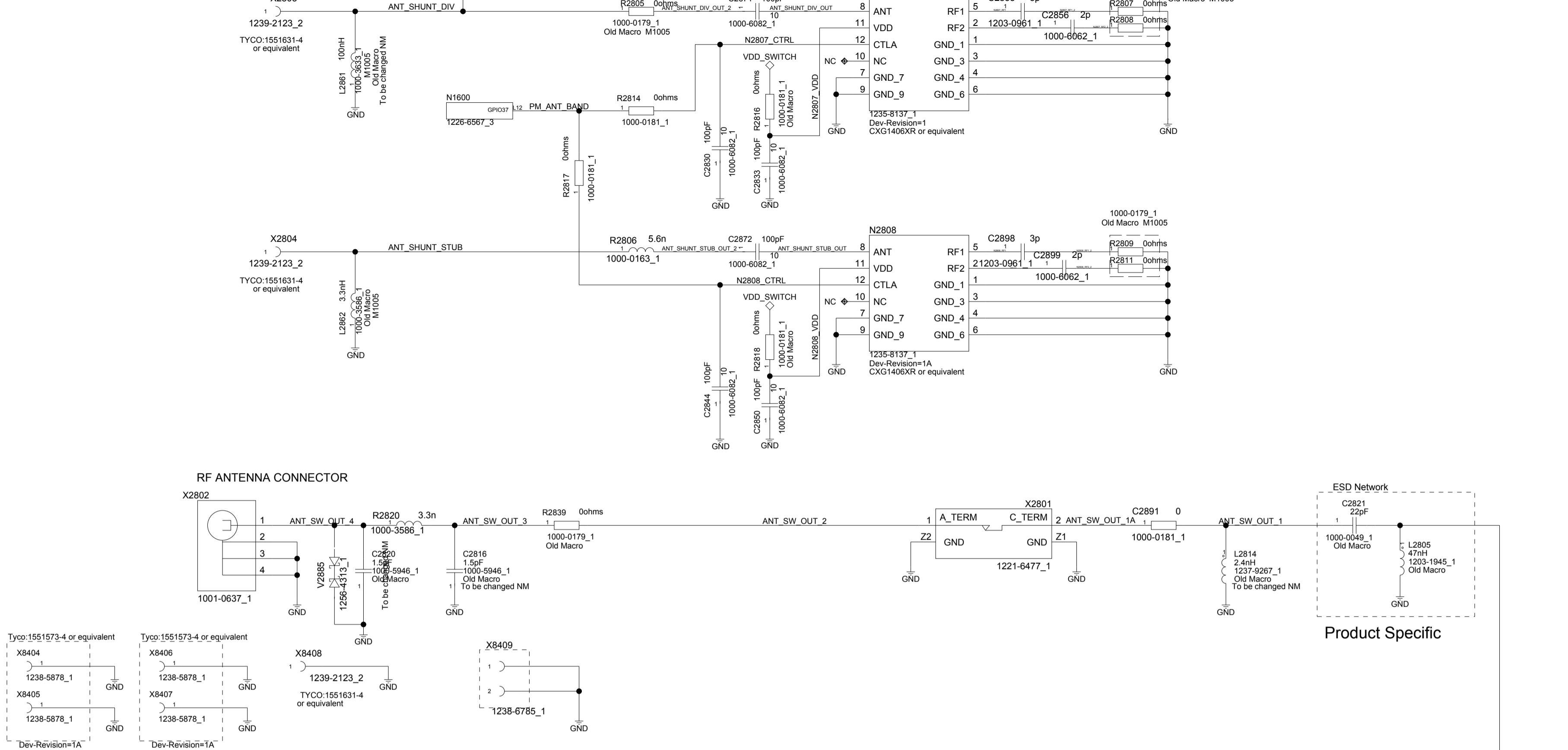


Close to the Antenna



| | | | |
|---|--|------------------|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | WANG KEVIN | |
| Aoba Band1258 Main PBA Peripheral | | LI LEO | |
| GPS_Diversity | | 1251-7044 1L | |
| 1251-7053 | | 8 | |
| | | 06-12-2011_11:34 | |
| | | P1 | |

Antenna matching
-2800



Control state for N2803 SP10T

| BAND | Active Path | CTL State "1" | | | |
|------------|-------------|---------------|---|---|---|
| | | A | B | C | D |
| TRX_B5 | TRx1 | 1 | 0 | 1 | 0 |
| TRX_B4 | TRx2 | 1 | 1 | 1 | 0 |
| TRX_B2 | TRx3 | 1 | 0 | 1 | 1 |
| TRX_B17 | TRx4 | 1 | 1 | 1 | 1 |
| TRX_B1 | TRx5 | 1 | 0 | 0 | 1 |
| DCS_RX | Rx1 | 0 | 0 | 1 | 0 |
| GSM 900_RX | Rx2 | 0 | 1 | 1 | 0 |
| PCS_RX | Rx3 | 0 | 1 | 0 | 0 |
| GSM TX LB | Tx1 | 1 | 1 | 0 | 0 |
| GSM TX HB | Tx2 | 1 | 0 | 0 | 0 |

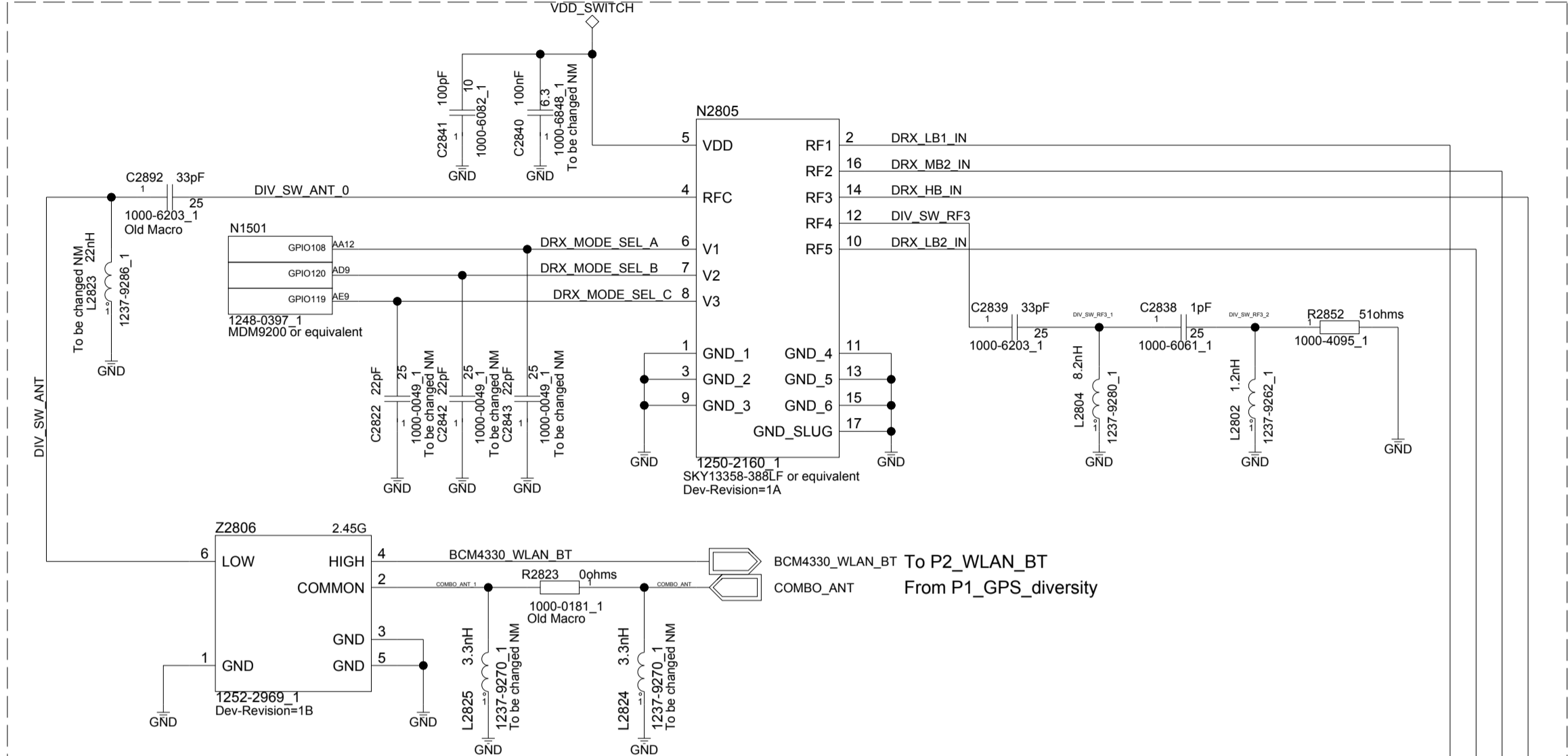
Control state for N2805 SP5T

| BAND | Active Path | CTL State "2" | | |
|-----------|-------------|---------------|----|----|
| | | V1 | V2 | V3 |
| B2 | RF1 | 1 | 0 | 1 |
| B7 | RF2 | 1 | 1 | 0 |
| B14 | RF3 | 1 | 0 | 0 |
| Terminate | RF4 | 0 | X | 0 |
| B5 | RF5 | 0 | X | 1 |

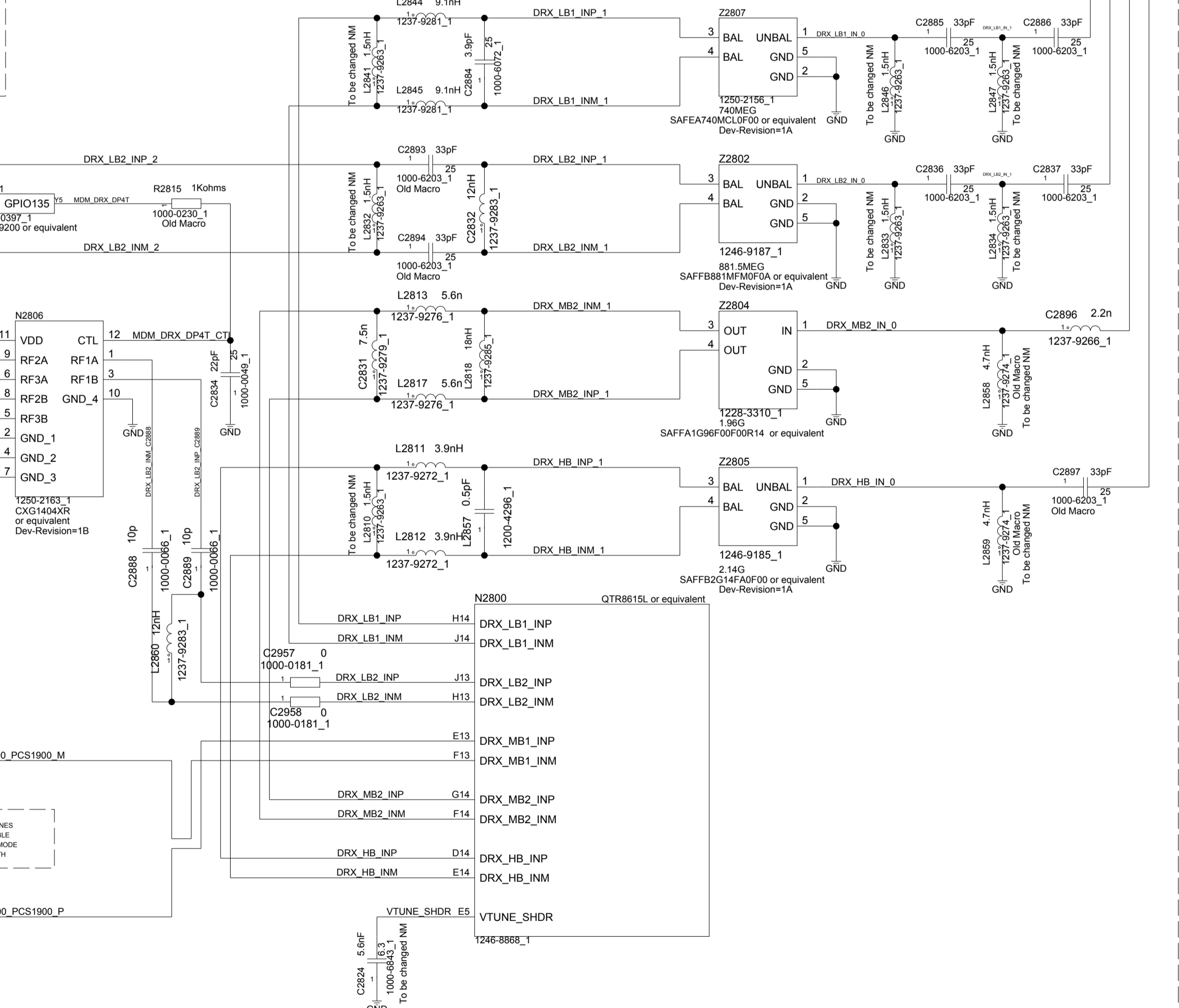
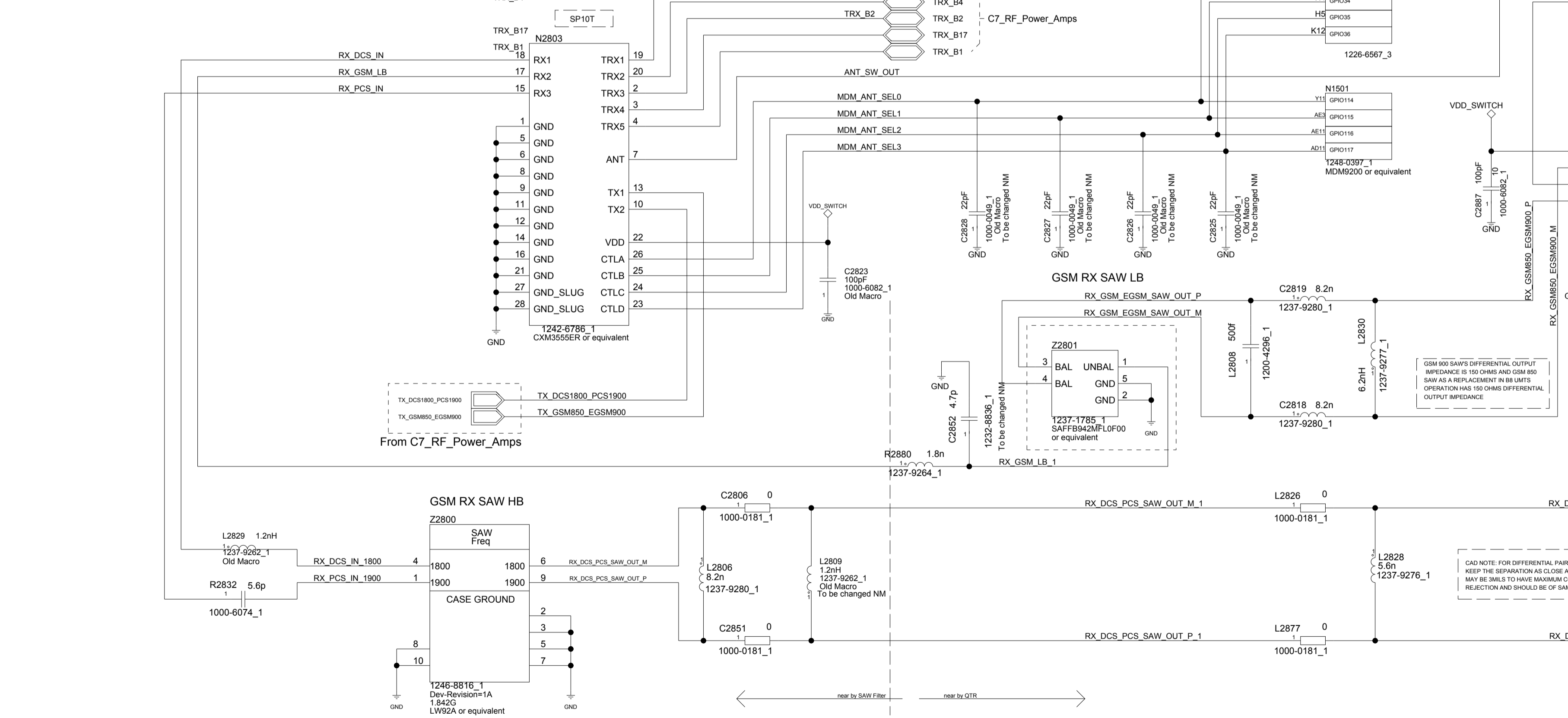
Control state for N2806 Dual SP0T

| BAND | Active Path | CTL | |
|---------|-------------|-----|----|
| | | V1 | V2 |
| GSM 900 | RF1-RF2 | 0 | 0 |
| B5 DRX | RF1-RF2 | 1 | 1 |

Legend:
 *1 CTL State
 CTLA: ANT_SEL0
 CTLB: ANT_SEL1
 CTLC: ANT_SEL2
 CTLD: ANT_SEL3
 *2 CTL State
 V1: DRX_MODE_SEL_A
 V2: DRX_MODE_SEL_B
 V3: DRX_MODE_SEL_C



Antenna switch & GSM RX filter
-2800



POWER_BUS

VDD_SWITCH

SP8252

SP8253

RF_ANT_SW

Confidential

Sony Ericsson

CIRCUIT DIAGRAM

Prepared (Date) (Author) (Checked)

WANG KEVIN

Document responsible

LI LEO

Document responsible/Approval

WANG KEVIN

Project/Component name

AOBA

Type: ref TOC number

<AAL-8880001-BV>

<PYTA8880001>

1251-7044 1L

Document no

1251-7053

Rev

8

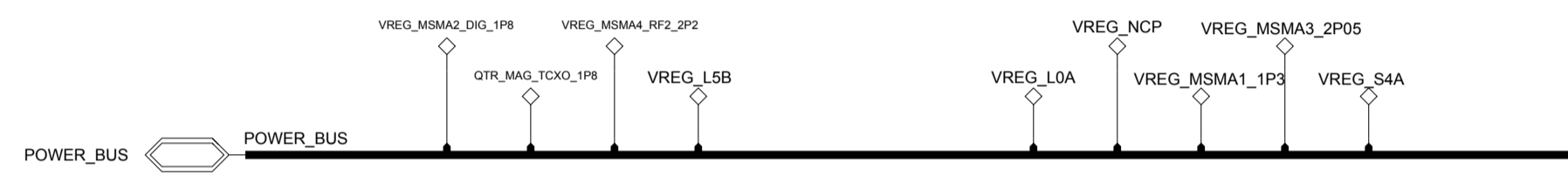
Date

06-12-2011_11:33

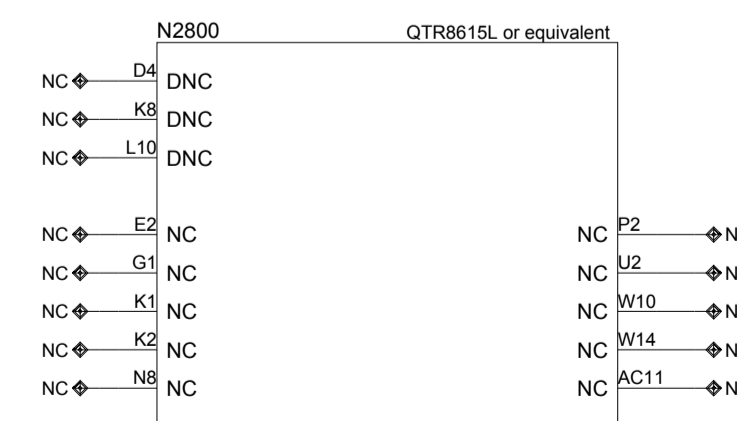
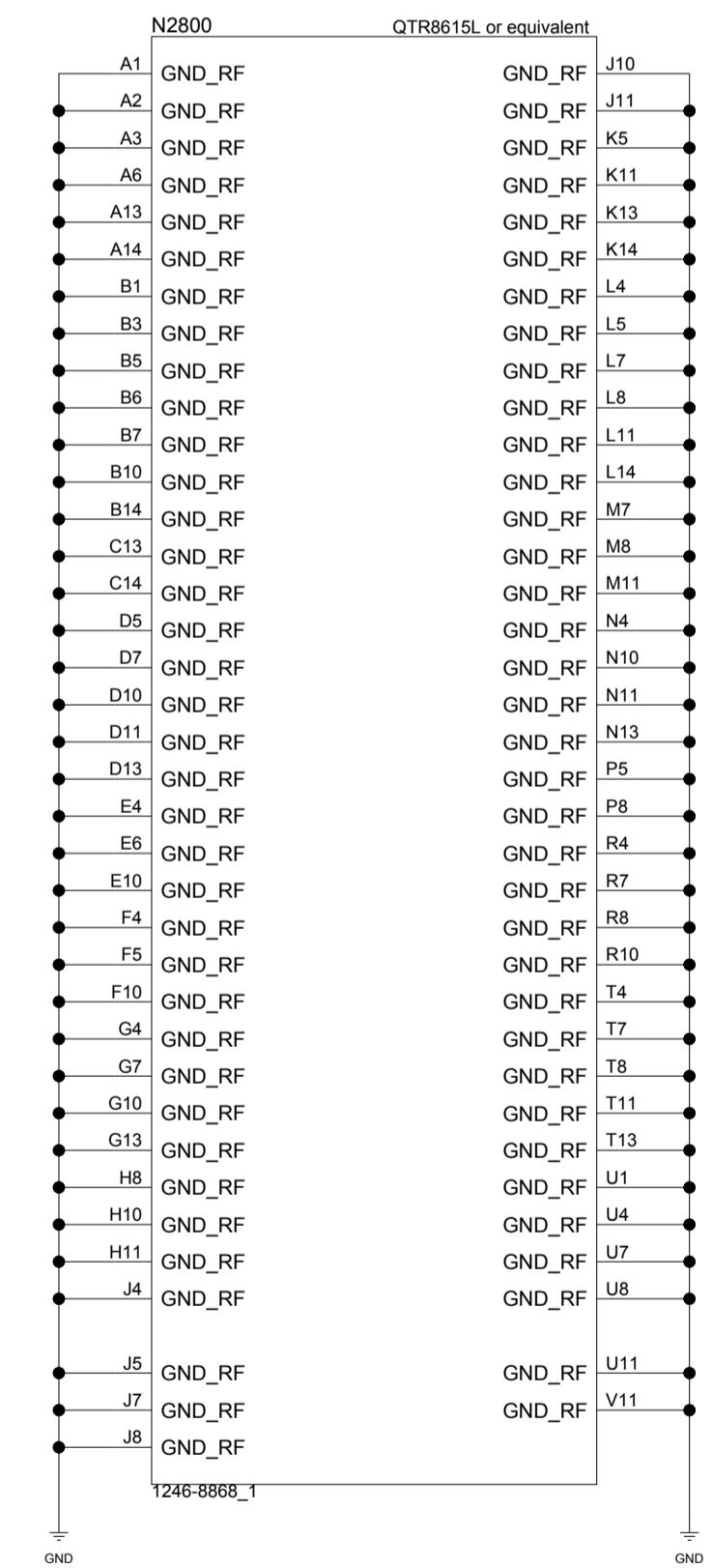
Sheet

C8

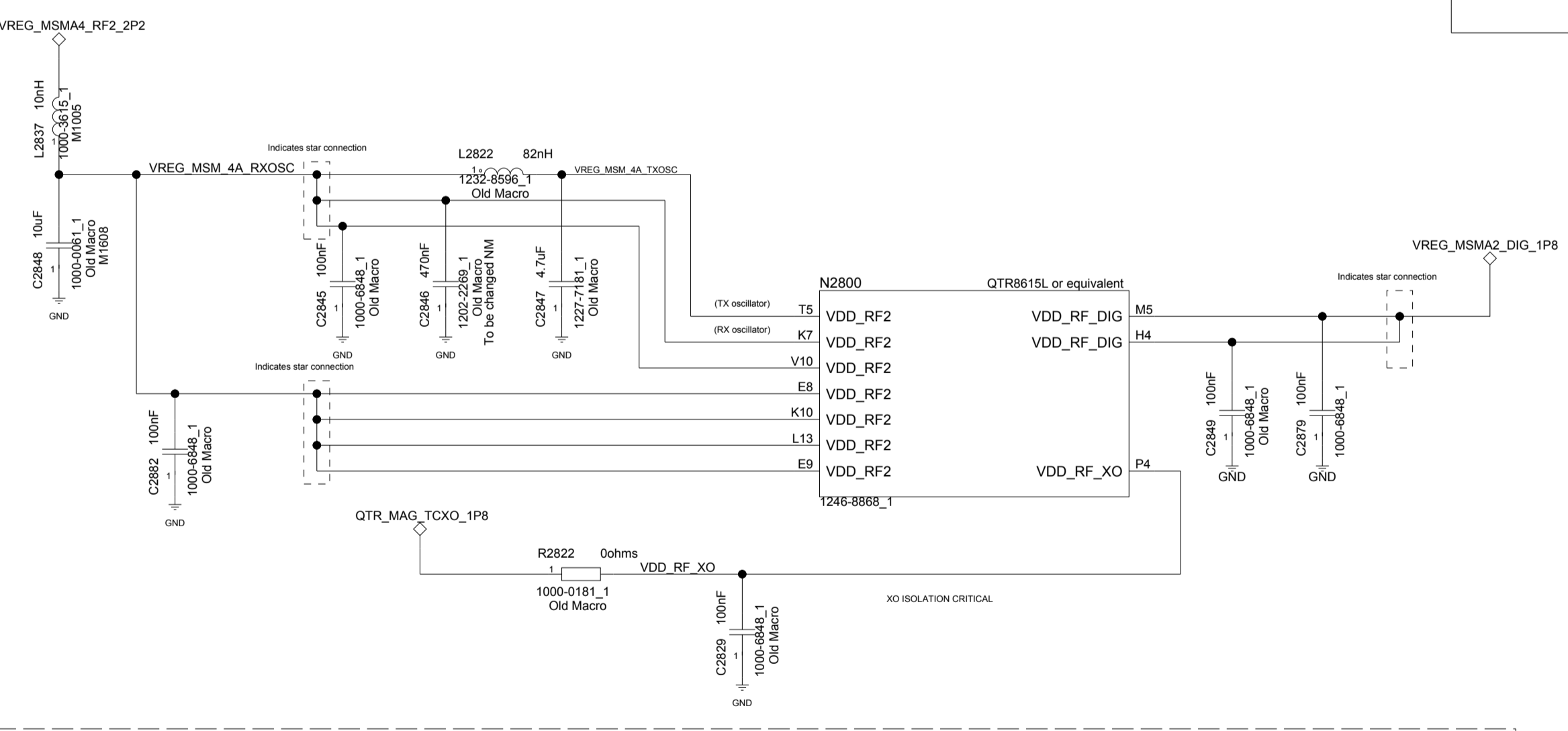
| Description | Pin # | Noise Generator | Noise Sensitive | Decoupling Purpose |
|---------------------------------------|----------|-----------------|-----------------|---|
| TDCO (TX Oscillator) | T5,U5 | Yes | Yes | Noise Suppression |
| RDCO (RX Oscillator) | K7, N7 | Yes | Yes | Noise Suppression |
| VCO_LO_GPS (GPS/SHDR Oscillator & LO) | D6 | Yes | Yes | Noise Suppression |
| TX_PLL_SBI | R5 | Yes | Yes | Noise Suppression |
| TX_PLL | P7 | Yes | Yes | Noise Suppression |
| RX_PLL | K4 | Yes | Yes | Noise Suppression |
| PLL_GPS (GPS / SHDR PLL) | G5 | Yes | Yes | Noise Suppression |
| DIG_DTOP_SBI (RX / TX / SBI Digital) | M5, M4 | Yes | Yes | Noise Suppression |
| DIGIO_GPS (SHDR / Digital GPS) | H4, H5 | Yes | Yes | Noise Suppression |
| TCXO Supply | P4 | Yes | Yes | TCXO Harmonic Suppression, Improves PLL ref clock noise |
| HM_DA (Driver Amplifier) | P13 | Yes | Yes | Improves TX fundamental / harmonic, RX band noise / emissions |
| LB_DA (Driver Amplifier) | R13 | Yes | Yes | Improves TX fundamental / harmonic, RX band noise / emissions |
| HB_PDA (Pre Driver Amplifier) | M13 | Yes | Yes | Improves TX Path Stability, fundamental / harmonic, RX band noise / emissions |
| ML_PDA (Pre Driver Amplifier) | R11 | Yes | Yes | Improves TX Path Stability, fundamental / harmonic, RX band noise / emissions |
| PRX_LO | E11, G8 | No | Yes | Unorives RX blocking integrated phase noise, TX IM2 |
| DRX_LO | H7 | No | Yes | Unorives RX blocking integrated phase noise, TX IM2 |
| LO_LB_TX | P10 | No | Yes | Improves RX band noise / emissions |
| LO_HM_TX | M10 | No | Yes | Improves RX band noise / emissions |
| PRX_LNA | D8, D9 | No | Yes | |
| DRX_LNA | F11, G11 | No | Yes | |
| LNA_GPS | B4 | No | Yes | |
| PDET_ADC | V10 | | | |
| BB_PRR | E8 | | | |
| BB_DRX | K10 | | | |
| BBF_TX | L13 | | | |
| MASTER_BIAS | E9 | Yes | | |
| BB_RX | E7 | | | |
| PDET_TX | T10 | | | |
| MIX_TX | P11 | Yes | Yes | |



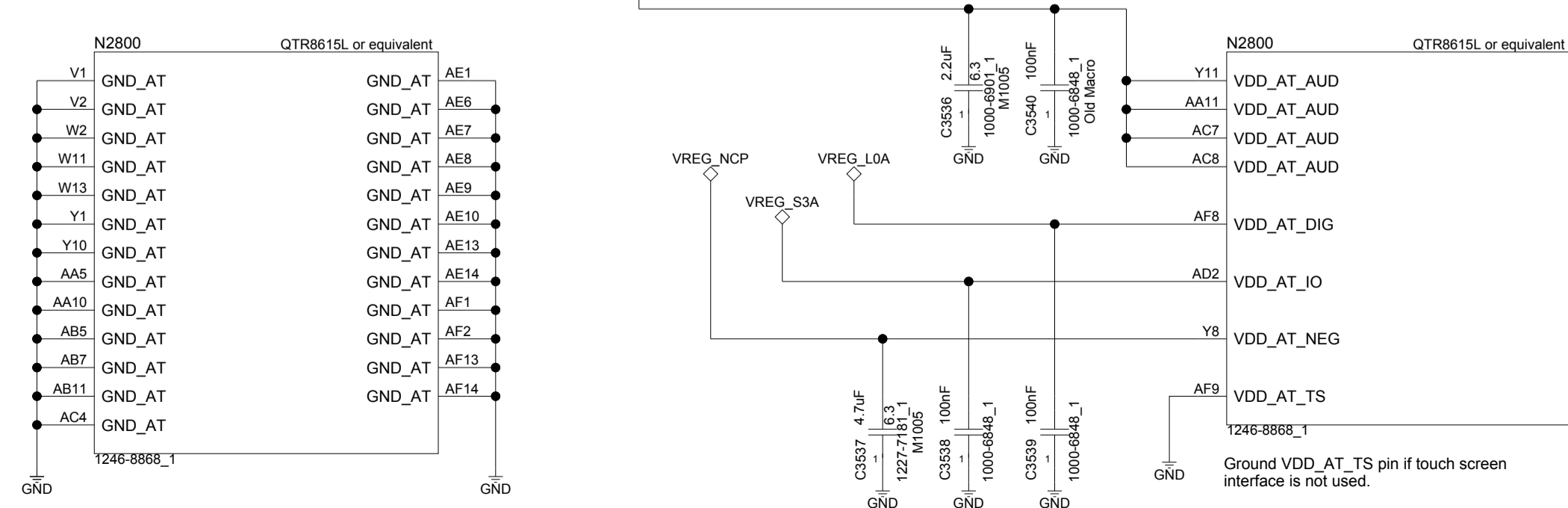
QTR 8615L



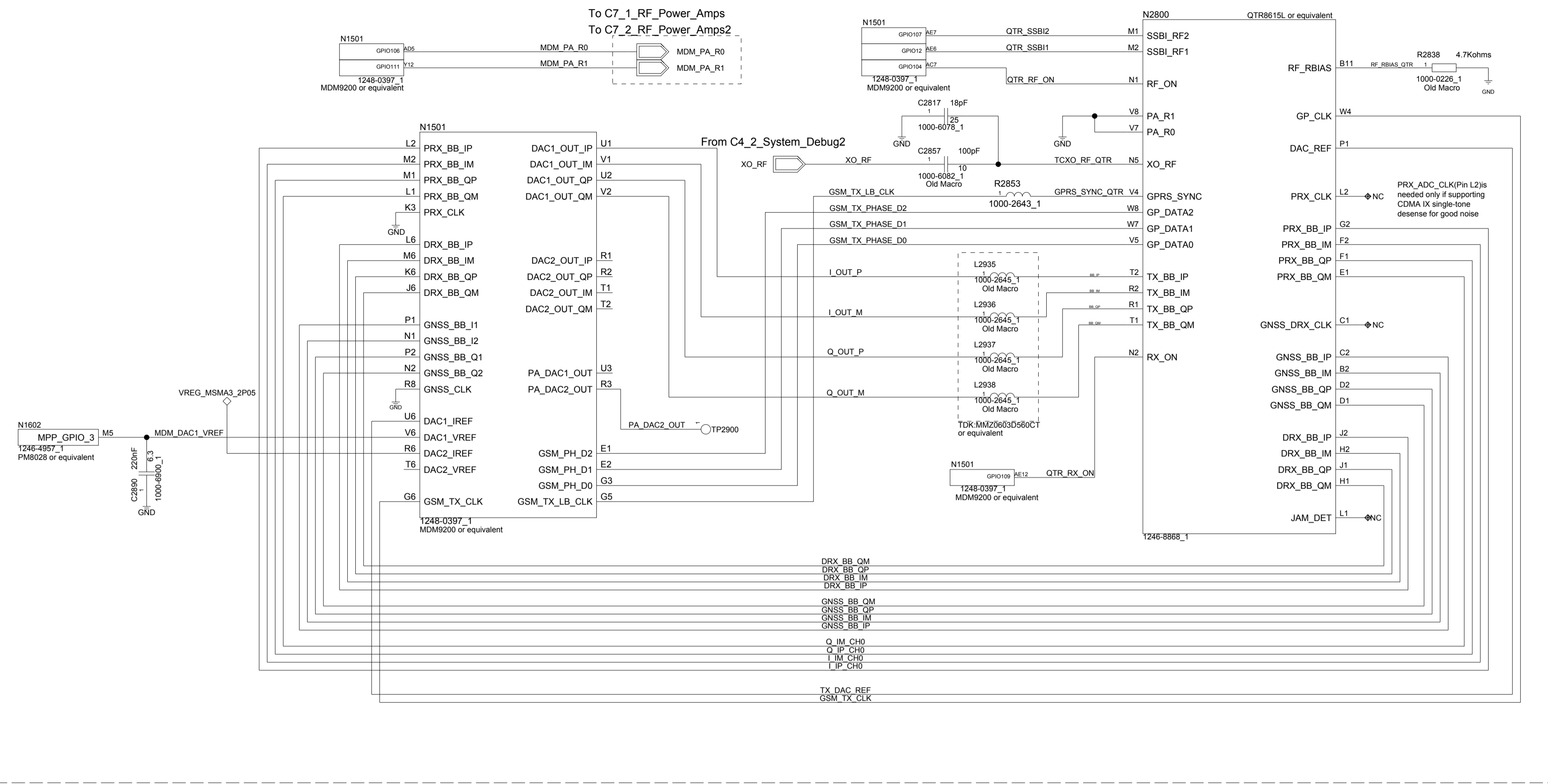
QTR 86150 CELL POWER 1.3/2.2/1.8 VOLTAGE VDD & DECOUPLING TO QTR-2800



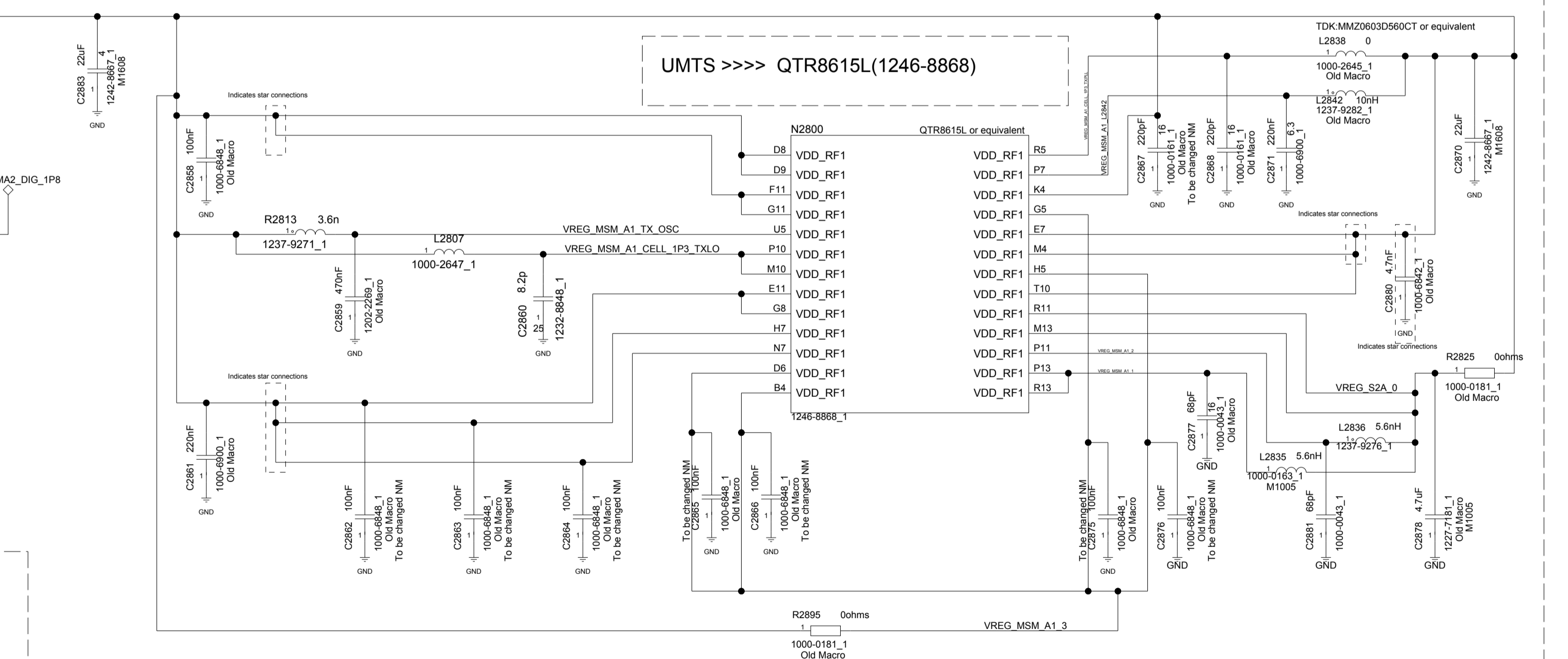
QTR 8615 Audio, Touch screen Power -3500



QTR 8615/8660 BB INTERFACE



UMTS >>> QTR8615L(1246-8868)



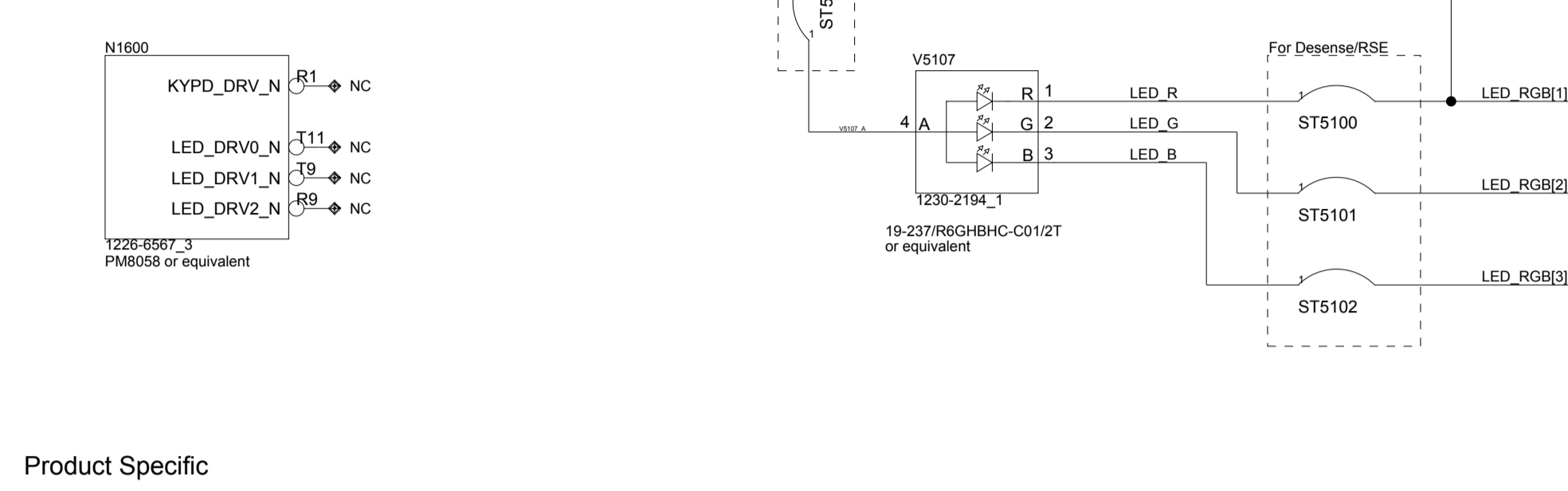
SUGGESTED INFORMATION FOR DC TRACK WIDTHS
POWER CONSUMPTION ON EACH SUPPLY LOAD

USE 0.25mm FOR ALL PINS OF 2.2 & 1.8V
USE 0.4mm FOR PINS R11, L14, P11, P13, R13 OF 1.3V
USE 0.25mm FOR REST OF THE PINS FOR 1.3V

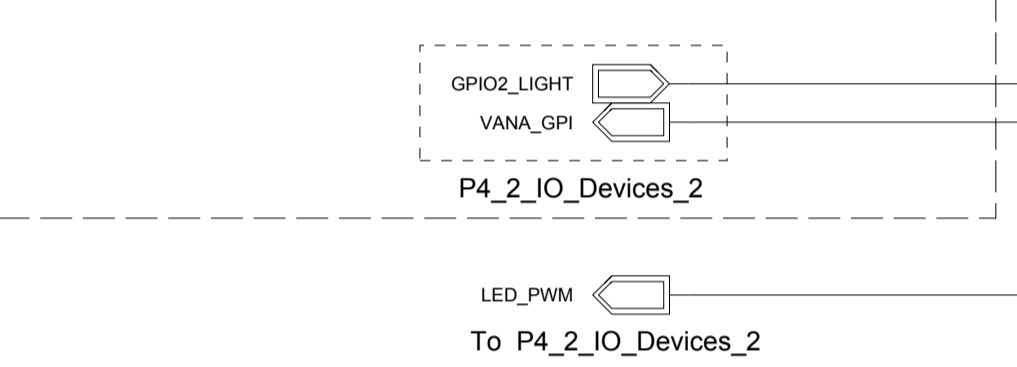
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| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | WANG KEVIN | |
| Aoba Band1258 Main PBA Core | | LI LEO | |
| RF_Power | | WANG KEVIN | |
| 1251-7044 1L | | Project/Component name | |
| 1251-7053 | | Type ref/PCB number | |
| 8 | | <AAL-8880001-BV> | |
| 06-12-2011_11:32 | | <PY7A8880001> | |
| C6 | | <170B-A8880001> | |

LMU - 7600

MMI LED - 5100



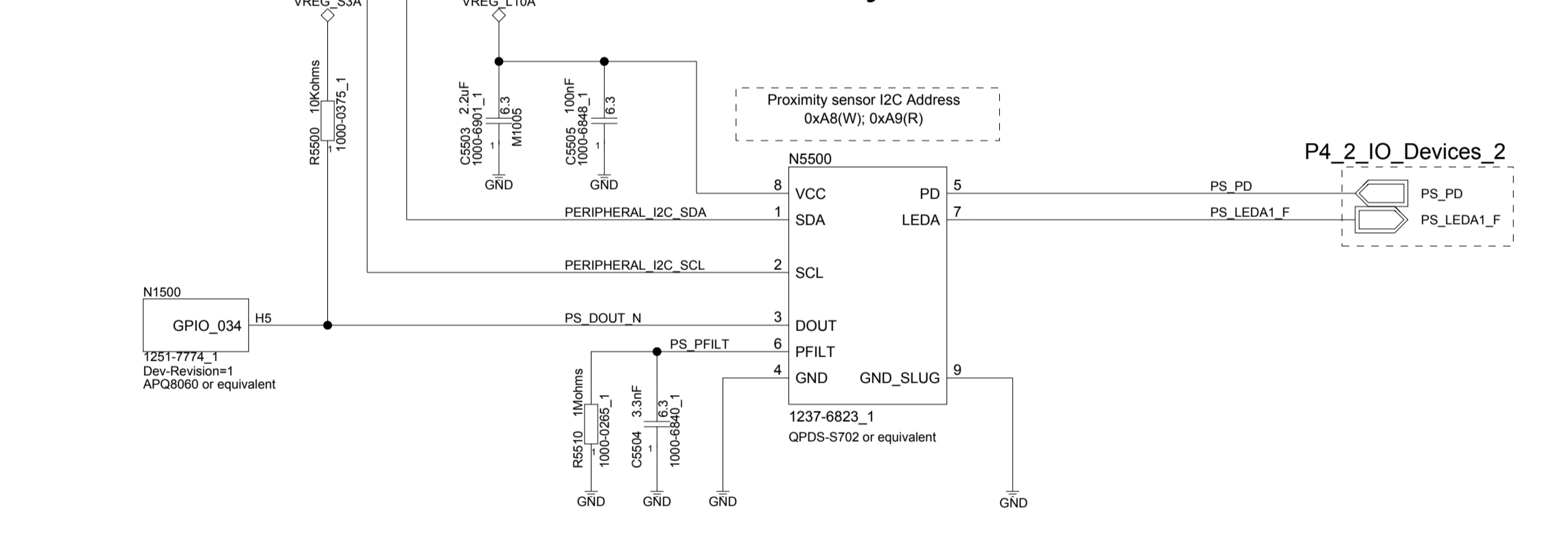
Ambient Light sensor - 5600



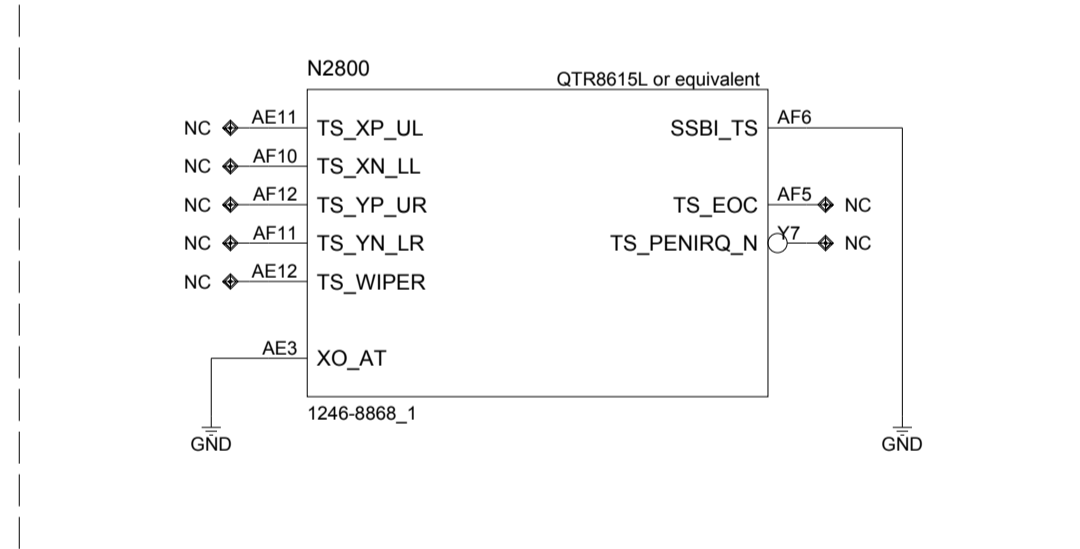
From C4_System_Debug



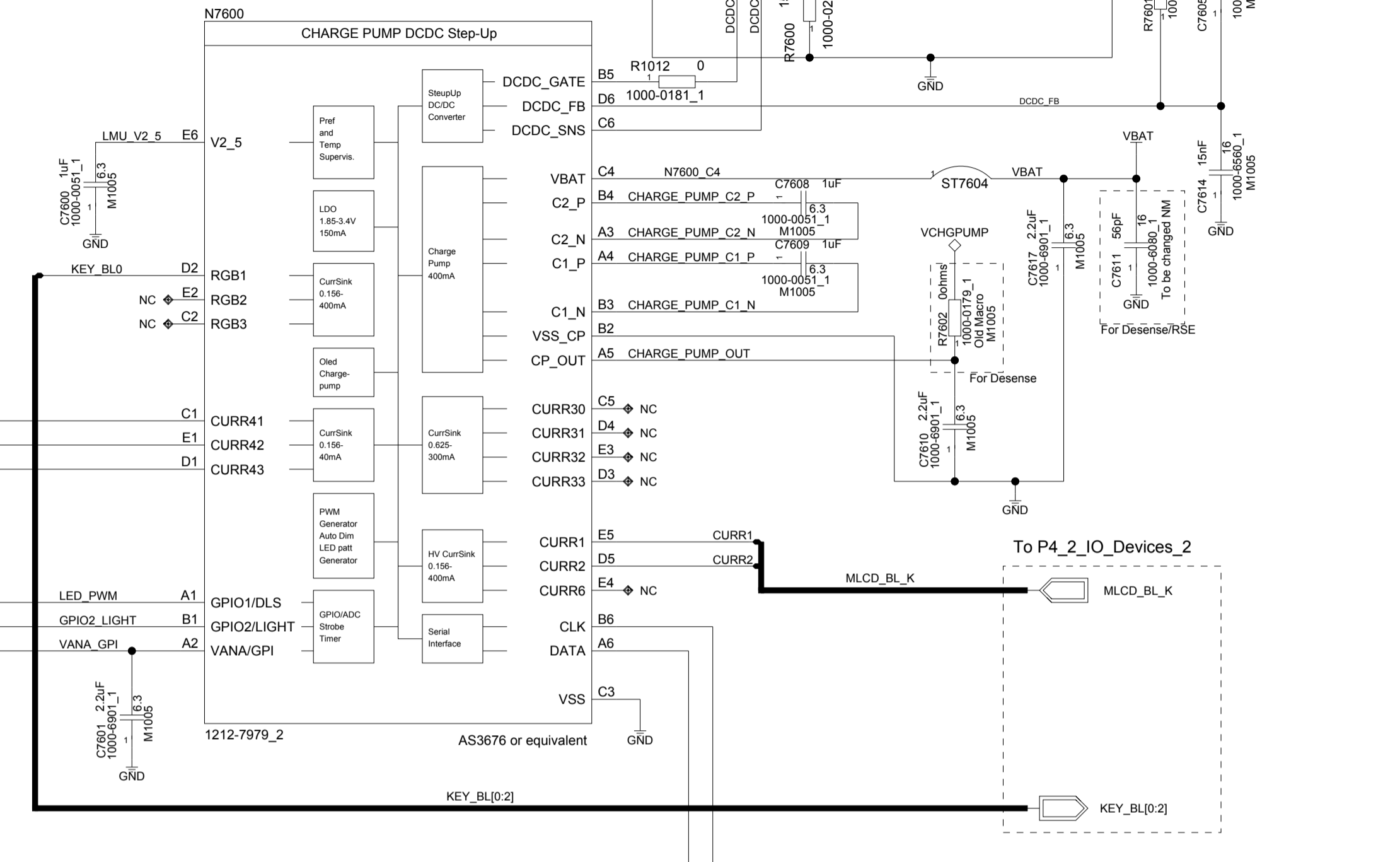
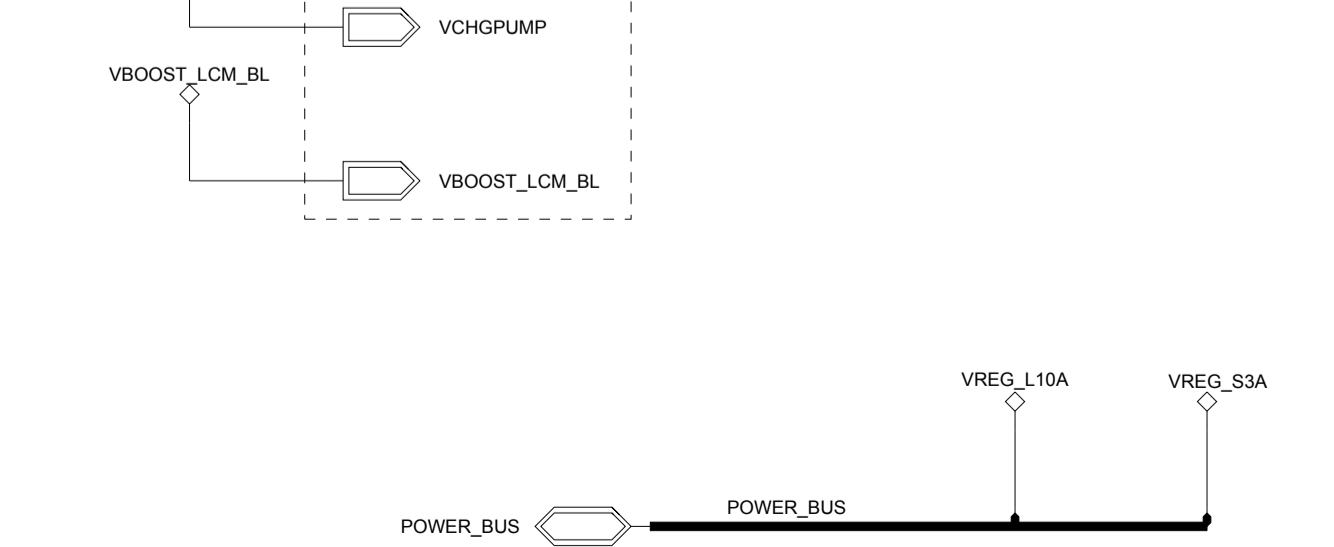
Proximity sensor - 5500



Touch sensor - 5300



To P4_2_IO_Devices_2

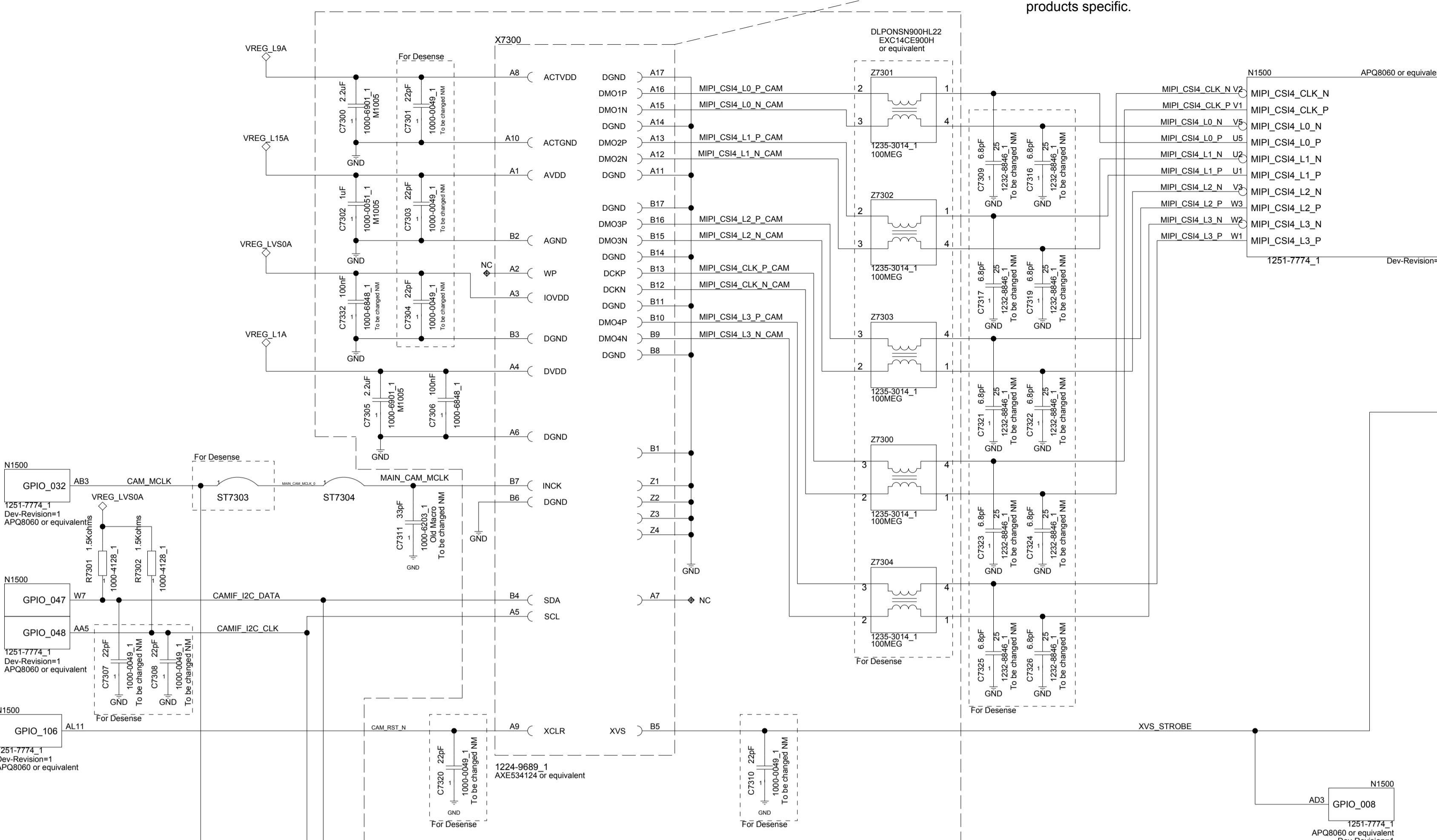


The value will be determined in evaluation.

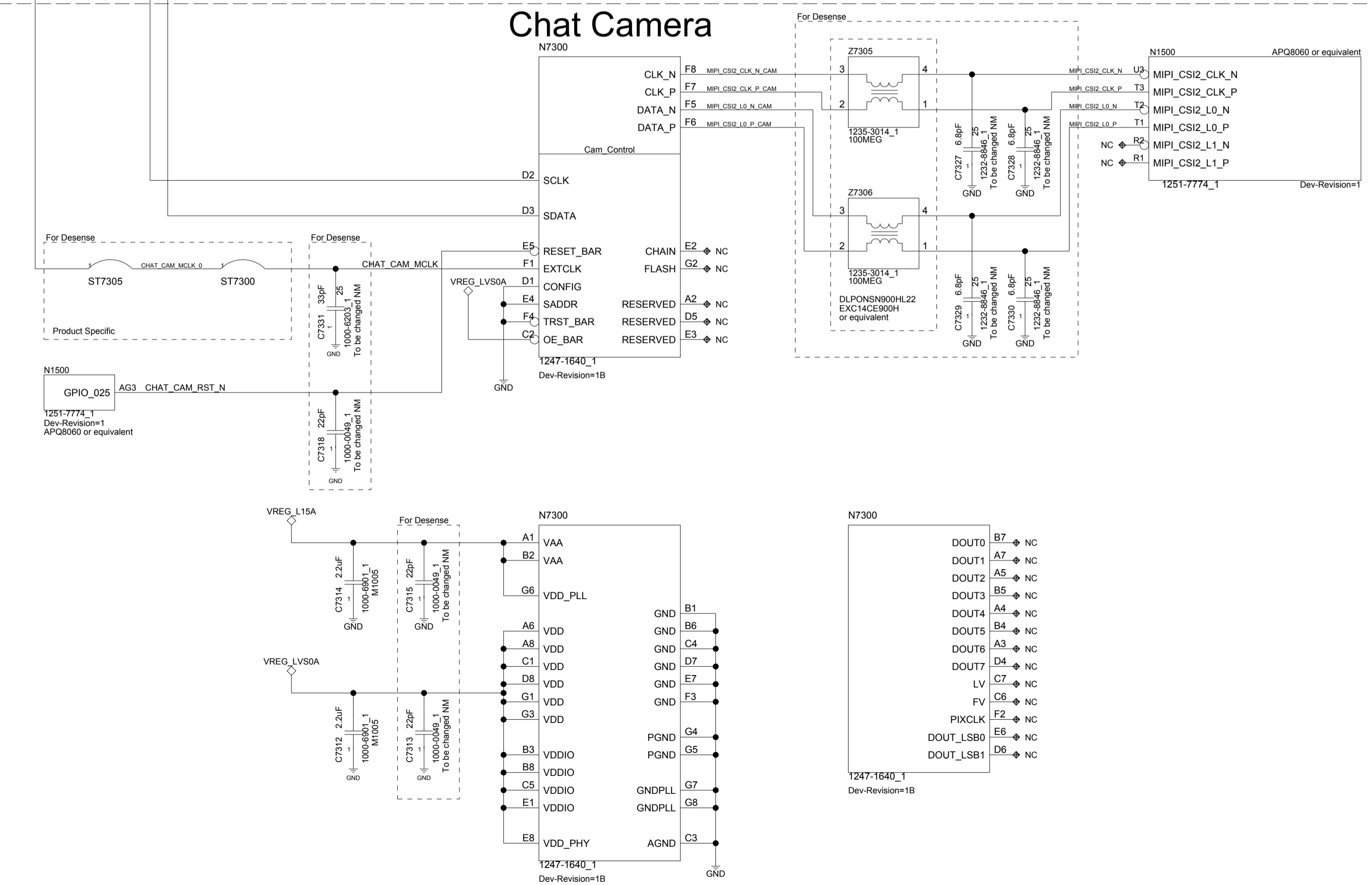
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|---|--|--|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | Prepared (Date subject responsible) (Author) WANG KEVIN | |
| Block | | Document responsible LI LEO | |
| Aoba Band1258 Main PBA Peripheral | | Document responsible/Approval WANG KEVIN | |
| Page | | Project/Component name AOBA | |
| Optics | | Type: rev/ECOC number <AAL-8880001-BV> <PY7A8880001> <4170B-A8880001> | |
| 1251-7044 1L | | Rev | |
| 1251-7053 | | 8 | |
| Date | | 06-12-2011_11:36 | |
| Sheet | | P6 | |

Camera - 7300

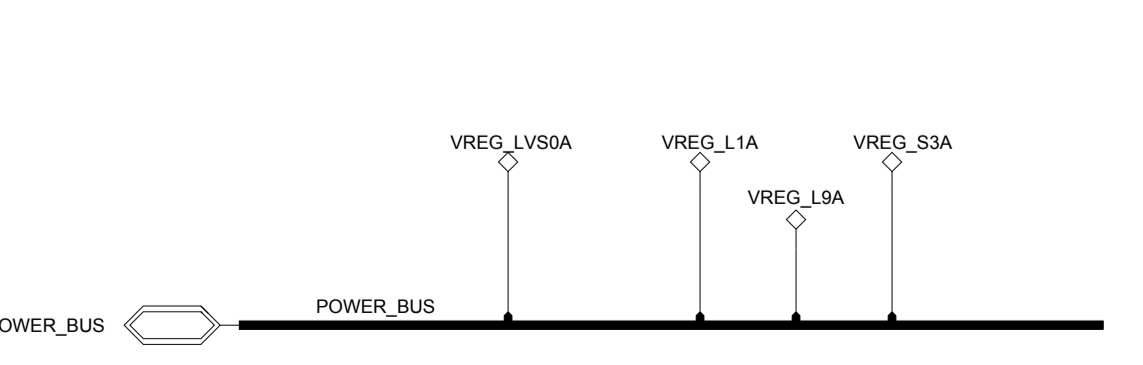
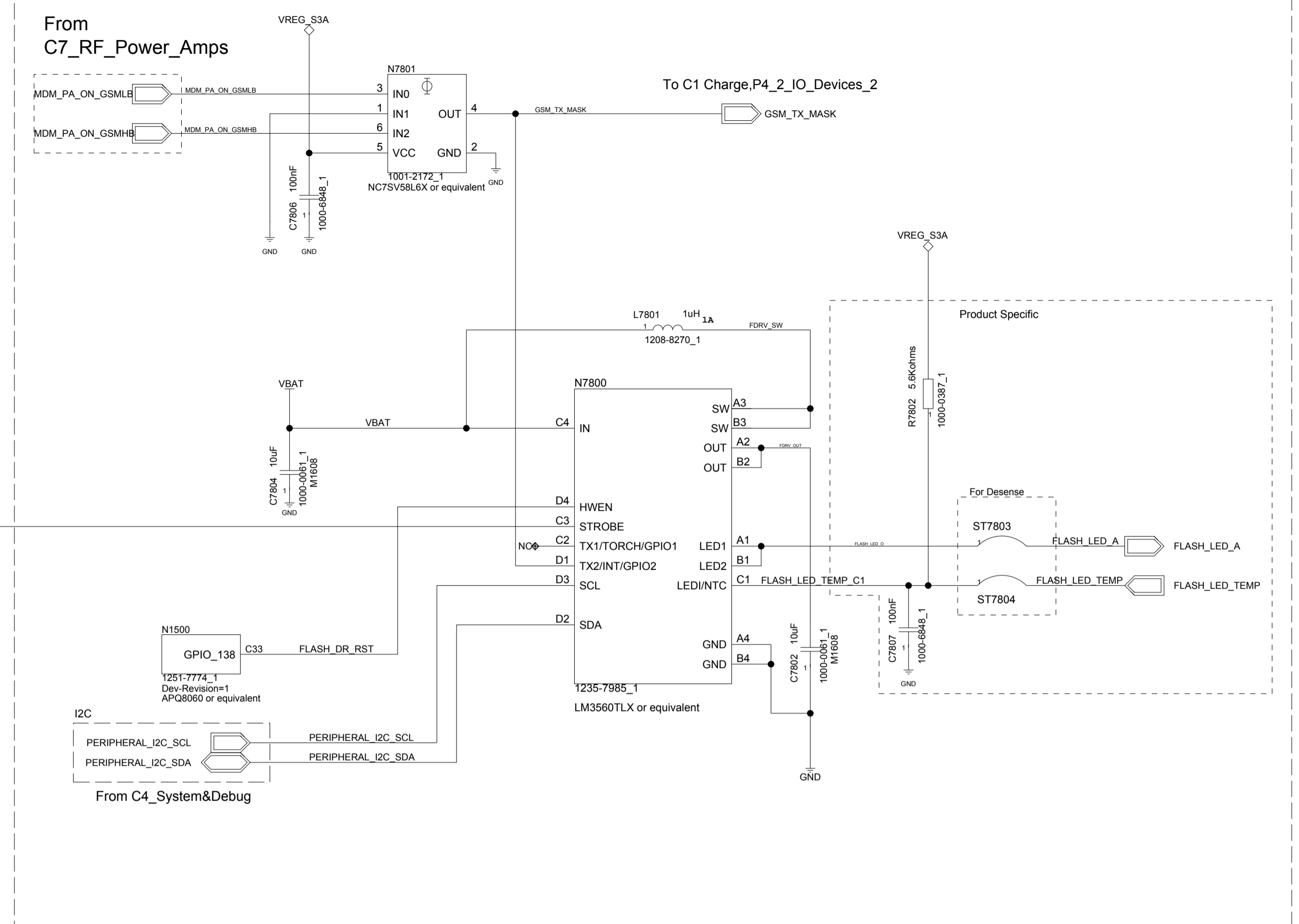
Main Camera



Chat Camera

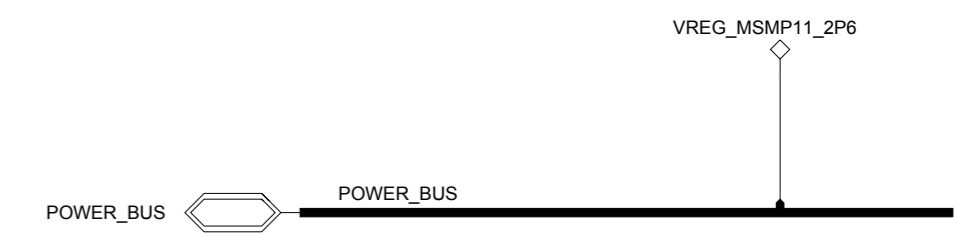
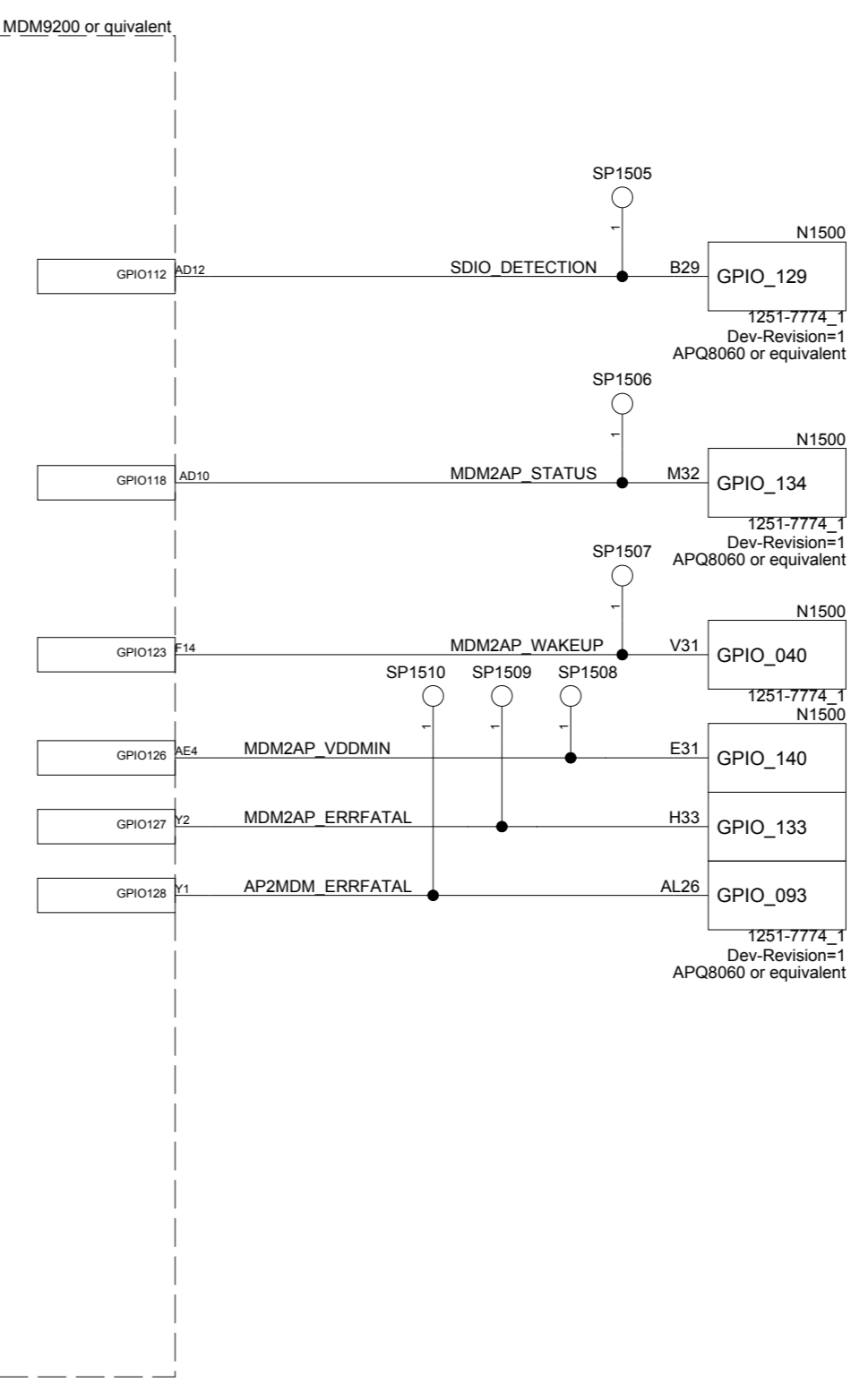
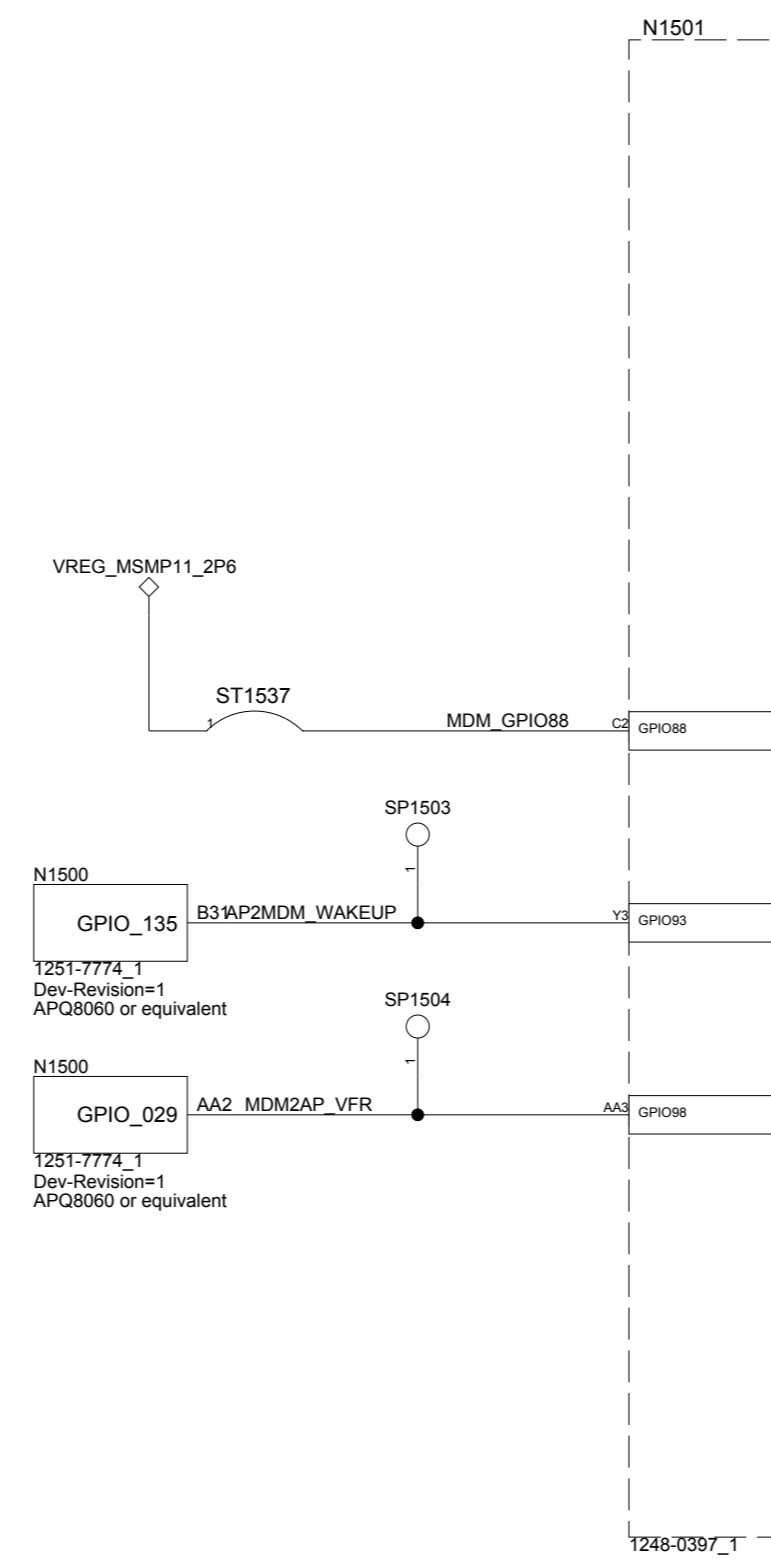
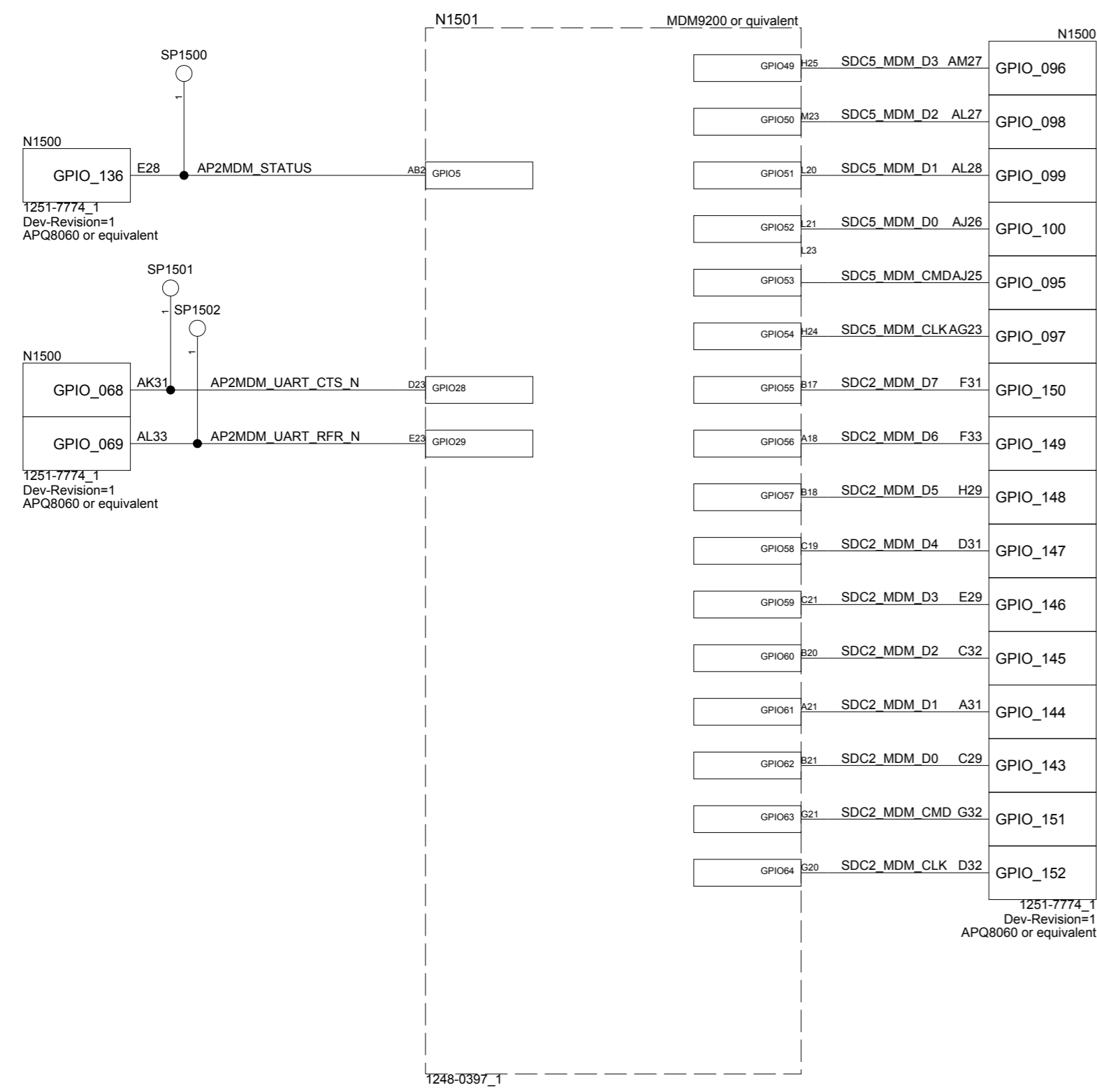


Flash LED Driver - 7800

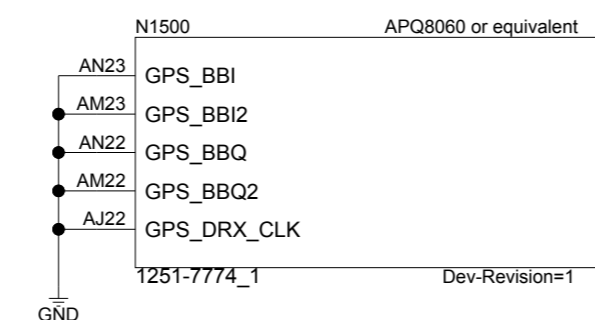
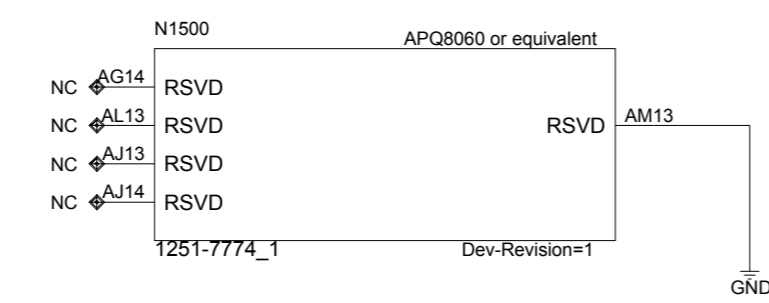
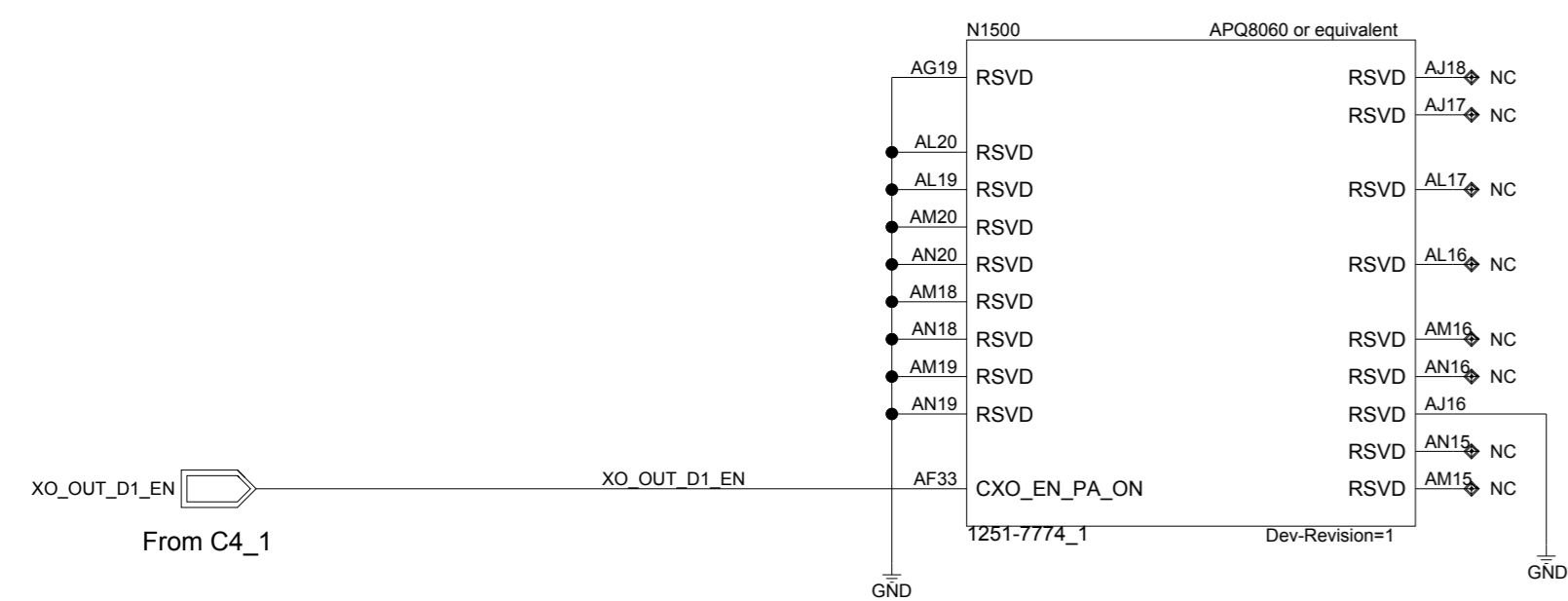


| | | | |
|---|--|---|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | Prepared (date included) responsible (name) WANG KEVIN | |
| Doc# | | Document responsible LI LEO | |
| Aoba Band1258 Main PBA Peripheral | | Document responsible WANG KEVIN | |
| Project/Doc name AOBA | | Type (with POC number) <AAL-8880001-BV> <PYTA8880001> | |
| Part no. 1251-7044 1L | | Doc# <4170B-A8880001> | |
| Camera | | Doc# 1251-7053 | |
| | | Rev 8 | |
| | | Date 06-12-2011_11:37 | |
| | | Sheet P7 | |

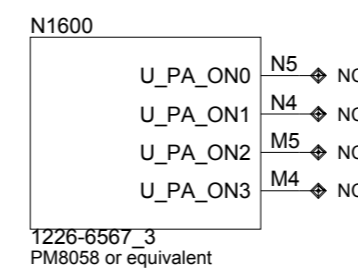
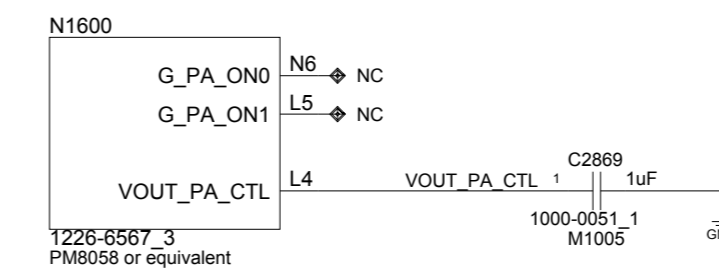
MDM9200



APQ8060



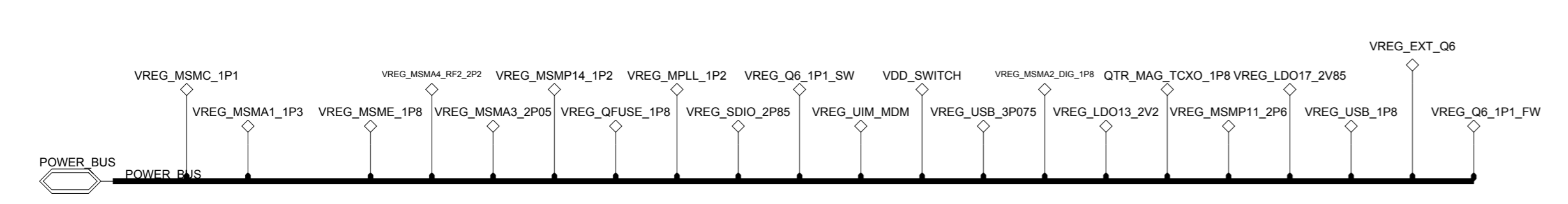
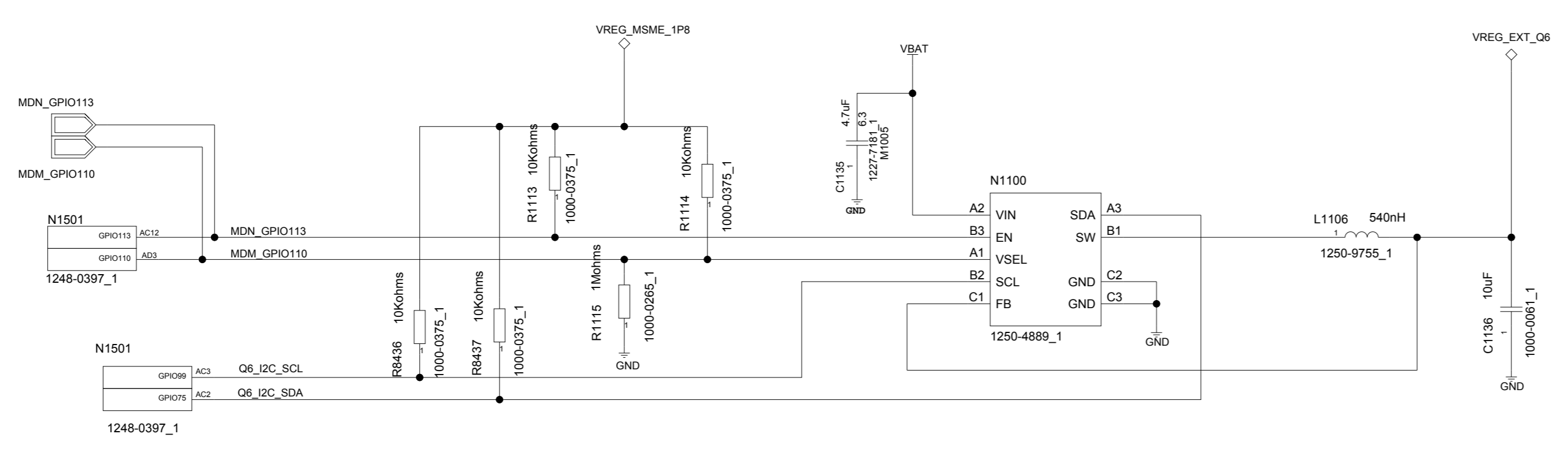
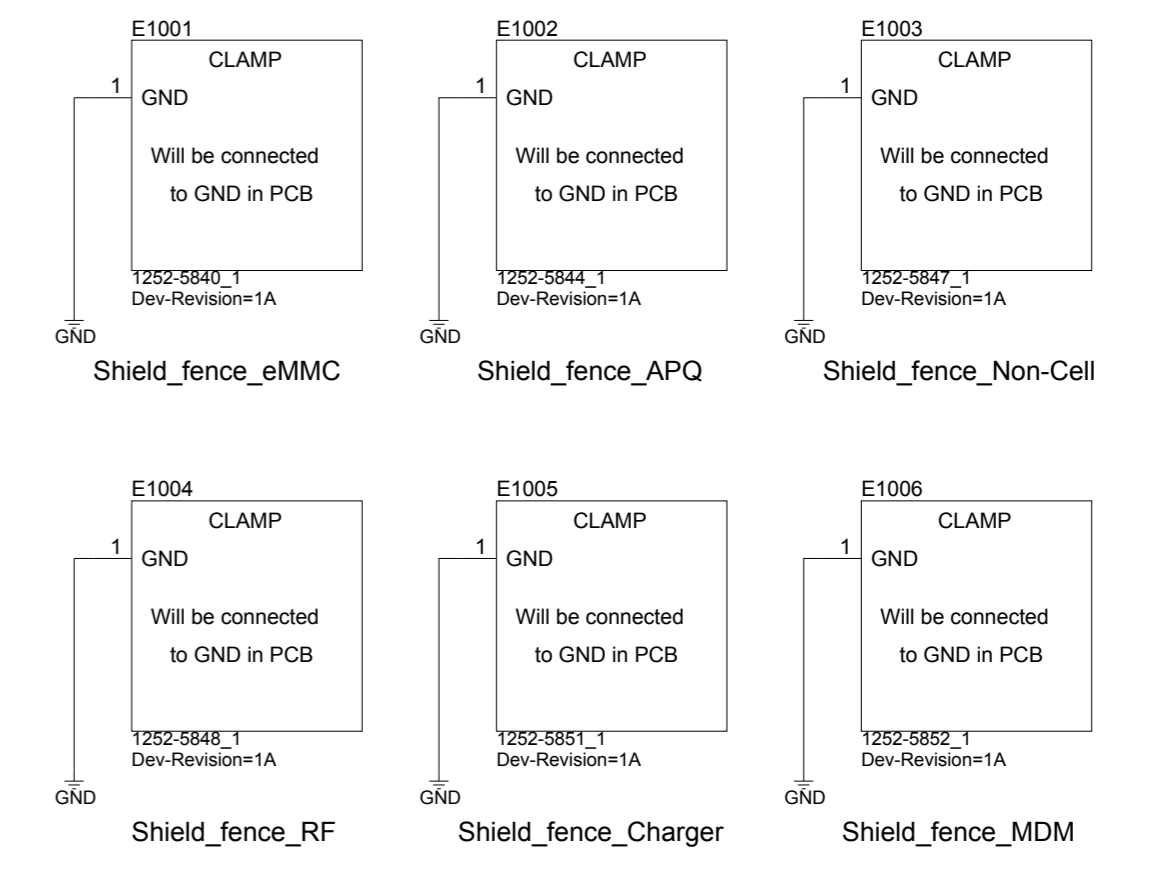
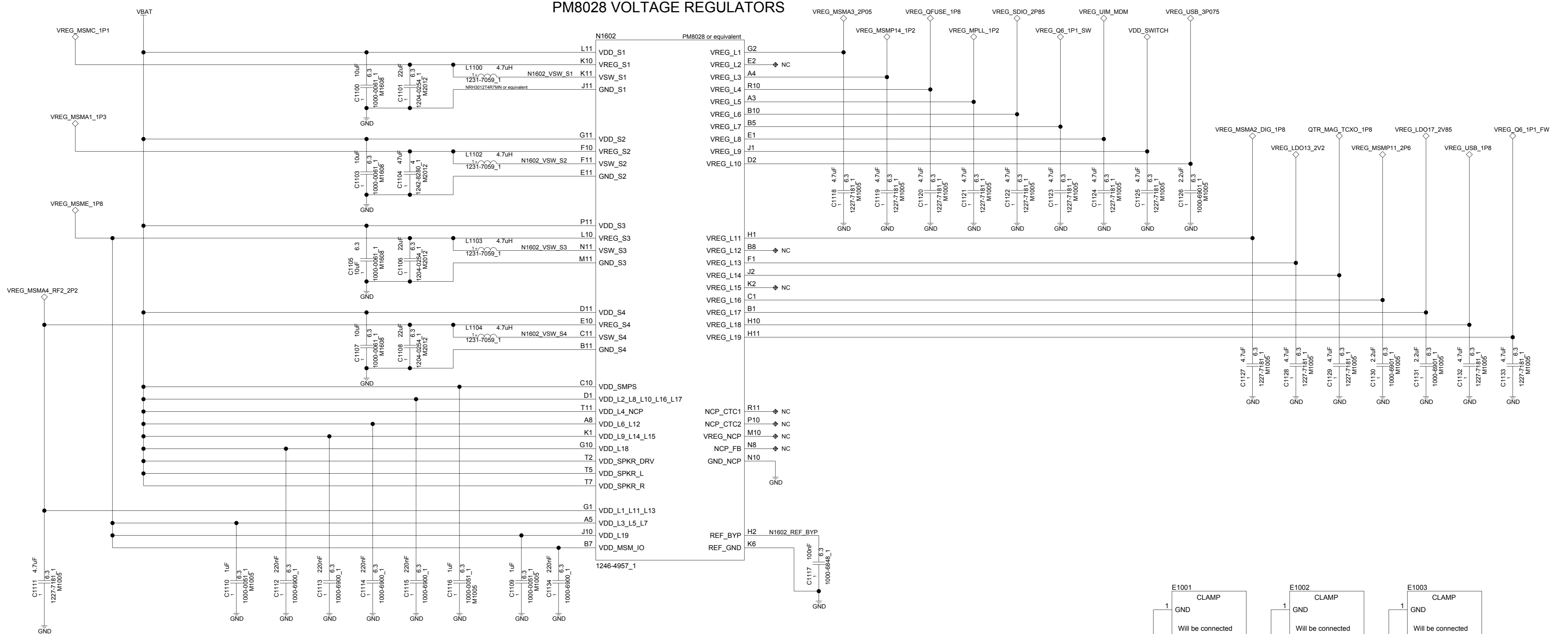
PM8058



| | | | |
|--|--|---------------------------------------|--|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | | WANG KEVIN | |
| Aoba Band1258 Main PBA | | LI LEO | |
| Temporary Schematic 9 MDM9200_GPIO | | WANG KEVIN | |
| 1251-7044 1L | | Type and CCIC number <PY7A8880001> | |
| 1251-7053 | | <PY7A8880001> | |
| 8 | | Date 23-11-2011_10:03 | |
| | | Sheet C4_3 | |

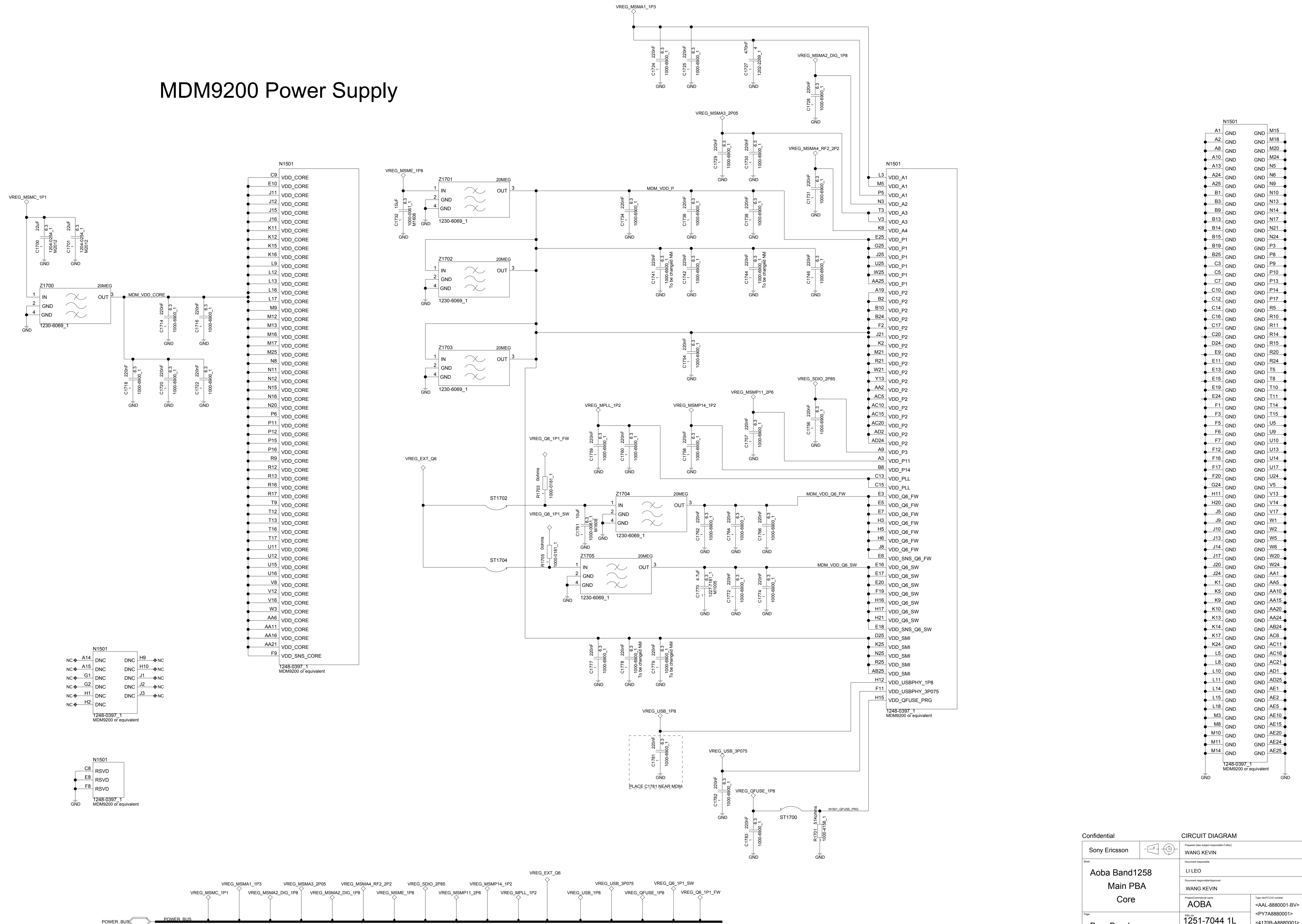
Power Management - 1100

PM8028 VOLTAGE REGULATORS



| | | | |
|-----------------------------------|--|---|-------|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | Project (also select responsible if any) | WANG KEVIN | |
| Doc# | Document description | LI LEO | |
| Aoba Band1258 Main PBA Core | | Document responsible/Approved WANG KEVIN | |
| Page | Project/Component name | Type/Rev/CC/C number | |
| Power Management2 | 1251-7044 1L | <PY7A8880001> | |
| | 1251-7053 | <4170B-A8880001> | |
| | Rev | Date | Sheet |
| | 8 | 23-11-2011_10:01 | C2_2 |

MDM9200 Power Supply

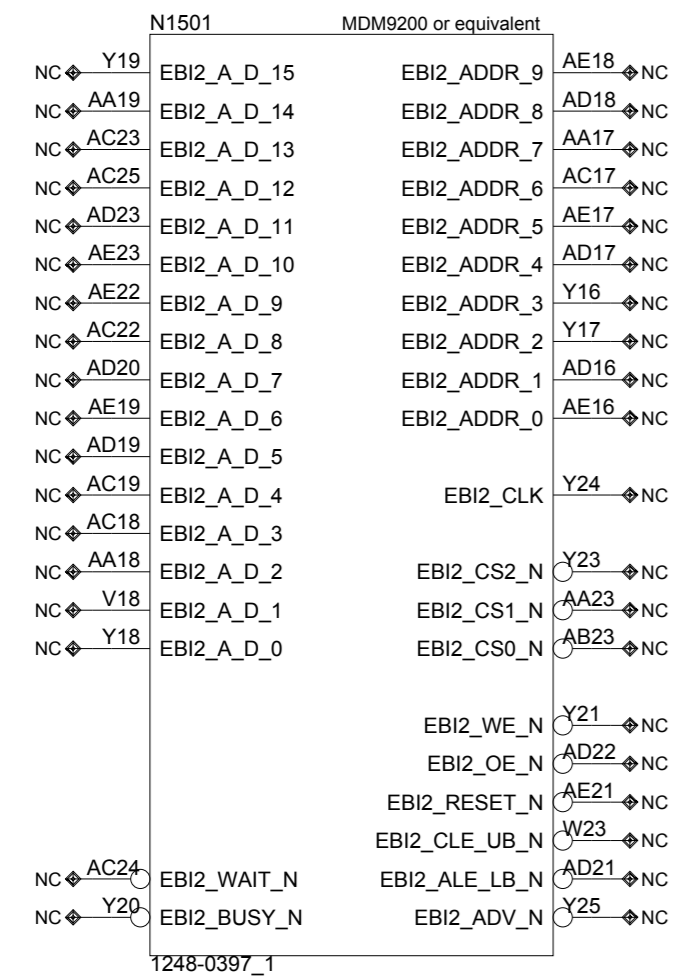


| | | | |
|-----|-----|------|-----|
| A1 | GND | M15 | GND |
| A2 | GND | M18 | GND |
| A8 | GND | M20 | GND |
| A10 | GND | M24 | GND |
| A13 | GND | N5 | GND |
| A24 | GND | N8 | GND |
| A25 | GND | N9 | GND |
| B1 | GND | N10 | GND |
| B3 | GND | N13 | GND |
| B9 | GND | N14 | GND |
| B13 | GND | N17 | GND |
| B14 | GND | N21 | GND |
| B15 | GND | N24 | GND |
| B19 | GND | P3 | GND |
| B25 | GND | P8 | GND |
| C3 | GND | P9 | GND |
| C5 | GND | P10 | GND |
| C7 | GND | P13 | GND |
| C10 | GND | P14 | GND |
| C12 | GND | P17 | GND |
| C14 | GND | P5 | GND |
| C16 | GND | R10 | GND |
| C17 | GND | R11 | GND |
| C20 | GND | R14 | GND |
| D24 | GND | R15 | GND |
| E9 | GND | R20 | GND |
| E11 | GND | R24 | GND |
| E13 | GND | T5 | GND |
| E15 | GND | T8 | GND |
| E19 | GND | T10 | GND |
| E24 | GND | T11 | GND |
| F1 | GND | T14 | GND |
| F3 | GND | T15 | GND |
| F5 | GND | U5 | GND |
| F6 | GND | U9 | GND |
| F7 | GND | U10 | GND |
| F12 | GND | U13 | GND |
| F16 | GND | U14 | GND |
| F17 | GND | U17 | GND |
| F20 | GND | U24 | GND |
| G24 | GND | V5 | GND |
| H11 | GND | V13 | GND |
| H20 | GND | V14 | GND |
| J5 | GND | V17 | GND |
| J9 | GND | W1 | GND |
| J10 | GND | W2 | GND |
| J13 | GND | W5 | GND |
| J14 | GND | W6 | GND |
| J17 | GND | W20 | GND |
| J20 | GND | W24 | GND |
| J24 | GND | AA1 | GND |
| K1 | GND | AA5 | GND |
| K5 | GND | AA10 | GND |
| K9 | GND | AA15 | GND |
| K10 | GND | AA20 | GND |
| K13 | GND | AA24 | GND |
| K14 | GND | AB24 | GND |
| K17 | GND | AC6 | GND |
| K24 | GND | AC11 | GND |
| L5 | GND | AC16 | GND |
| L8 | GND | AC21 | GND |
| L10 | GND | AD1 | GND |
| L11 | GND | AD25 | GND |
| L14 | GND | AE1 | GND |
| L15 | GND | AE2 | GND |
| L18 | GND | AE5 | GND |
| M3 | GND | AE10 | GND |
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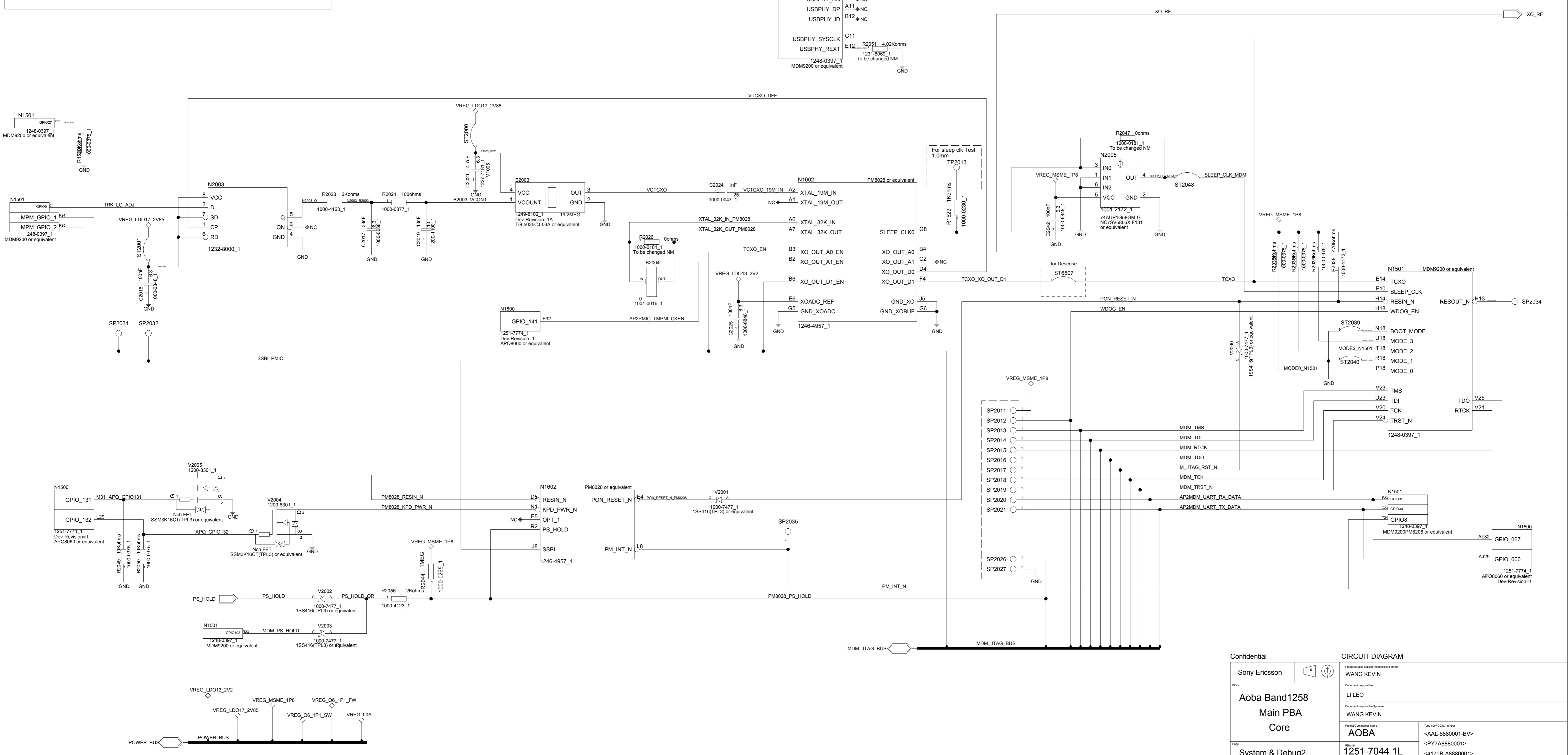
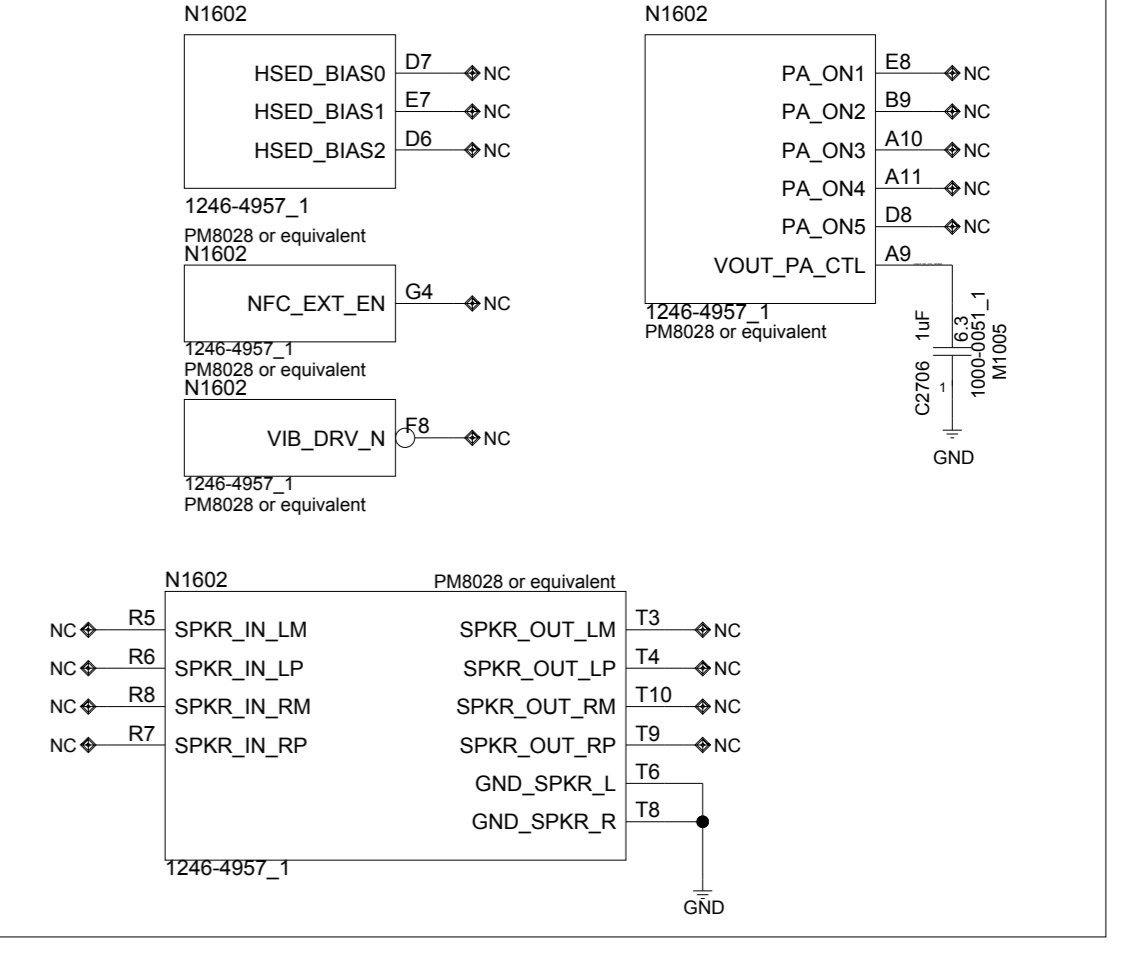
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| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | WANG KEVIN | Project (Date Subject responsible) P-0001 | |
| Aoba Band1258 Main PBA Core | | Document responsible/Approved WANG KEVIN | |
| BaseBand Decoupling2 | | Project/Component name AOPA | Type/Rev/OCX number <AA1-8880001-BV> |
| 1251-7044 1L | | <PY7A8880001> | |
| 1251-7053 | | <4170B-A8880001> | |
| 8 | | Date 23-11-2011_10:02 | |
| C3_2 | | Sheet | |

System -2000

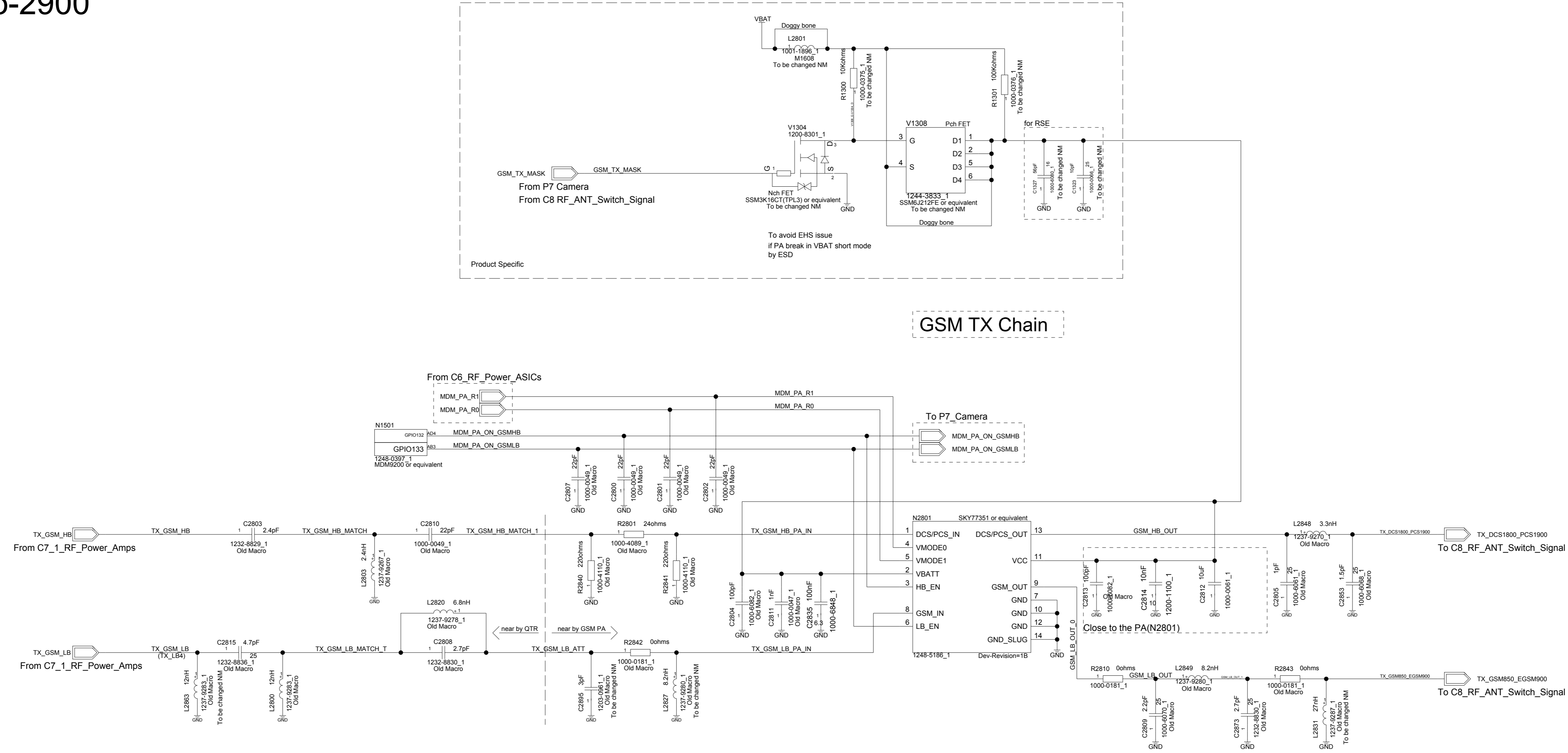
MDM9200 Unused Block



PM8028 Unused Block

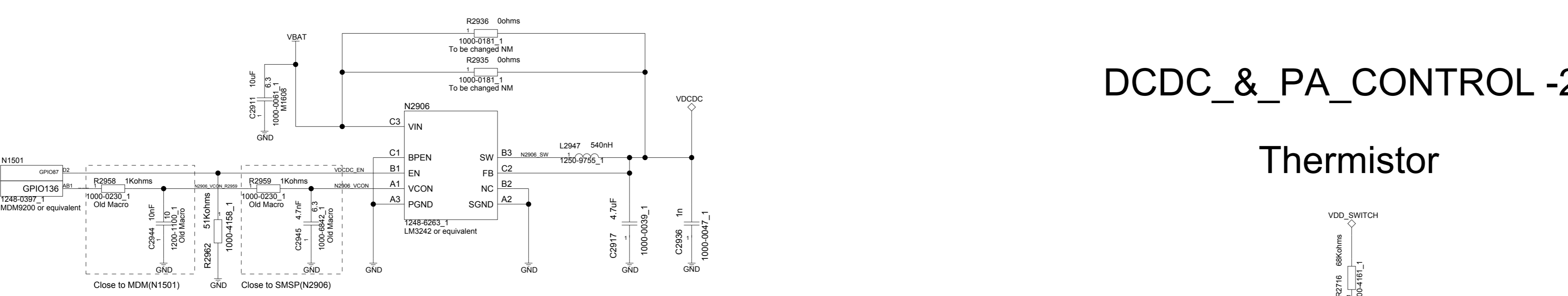


| Confidential | | CIRCUIT DIAGRAM | |
|-----------------|------------------------------|-----------------------------|-----------------------------------|
| Sony Ericsson | Project Name: Aoba Band1258 | Project Manager: WANG KEVIN | Project Number: <AAAL-8880001-BV> |
| LI LEO | Document Name: Main PBA Core | Document Number: AOA | Project Code: <PY7A8880001> |
| System & Debug2 | Version: 1251-7044 1L | Page: 8 | Project Code: <4170B-A8880001> |
| | Document ID: 1251-7053 | Revision: 8 | Date: 23-11-2011_10_03 |
| | | | Sheet: C4_2 |



DCDC & PA_CONTROL -2700

Thermistor



| | | | |
|----------------------------------|------------|--|---------------------|
| Confidential | | CIRCUIT DIAGRAM | |
| Sony Ericsson | WANG KEVIN | Project (also select responsible if any) | |
| Doc: Aoba Band1258 Main PBA Core | LI LEO | Document responsible | |
| Page: RF_Power_Amps2 | WANG KEVIN | Document responsible/Approved | |
| Doc: 1251-7044 1L | AOBA | Project/Component name | Type/Rev/Doc number |
| Doc: 1251-7053 | 8 | 1251-7044 1L | <PY7A8880001> |
| Doc: 1251-7053 | 8 | 1251-7053 | <4170B-A8880001> |
| Date: 23-11-2011_10:04 | | | |
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