

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	N/A	
3	3	H5P GPIO & CONTROL	N/A	N/A	
4	4	H5P IO POWER	N/A	N/A	
5	5	H5P SOC/CPU/SRAM PWR	N/A	N/A	
6	6	H5P W/ NAND	N/A	N/A	
7	7	H5P VIDEO	N/A	N/A	
8	8	BUTTON CONNECTOR	N/A	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	TRISTRAR	N/A	N/A	
16	16	DOCK CONNECTOR	N/A	N/A	
17	17	GRAPE & CONNECTOR	N/A	N/A	
18	18	LCM CONNECTOR	N/A	N/A	
19	19	STROBE & NEGATIVE RAIL	N/A	N/A	
20	20	CAM0 CONNECTOR	N/A	N/A	
21	21	BATTERY & RF INT.	N/A	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_DW0G	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_DVND	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 COMP

N42 = BAND 13 COMP

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_1.5OH,1.45A,111MOHM,2520	L10,L50,L14,L54	Y	CPU0_1_TDK_SUBBOM
152S1696	3	IND_PWR_2.2OH,1.45A,138MOHM,2520	L11,L12,L13	Y	SOC_CYNTEC_SUBBOM
152S1695	4	IND_PWR_1.5OH,1.45A,111MOHM,2520	L10,L50,L14,L54	Y	CPU0_1_CYNTEC_SUBBOM
152S1432	3	IND_PWR_2.2OH,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	RAKON 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	?	?	74AU1G08 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:

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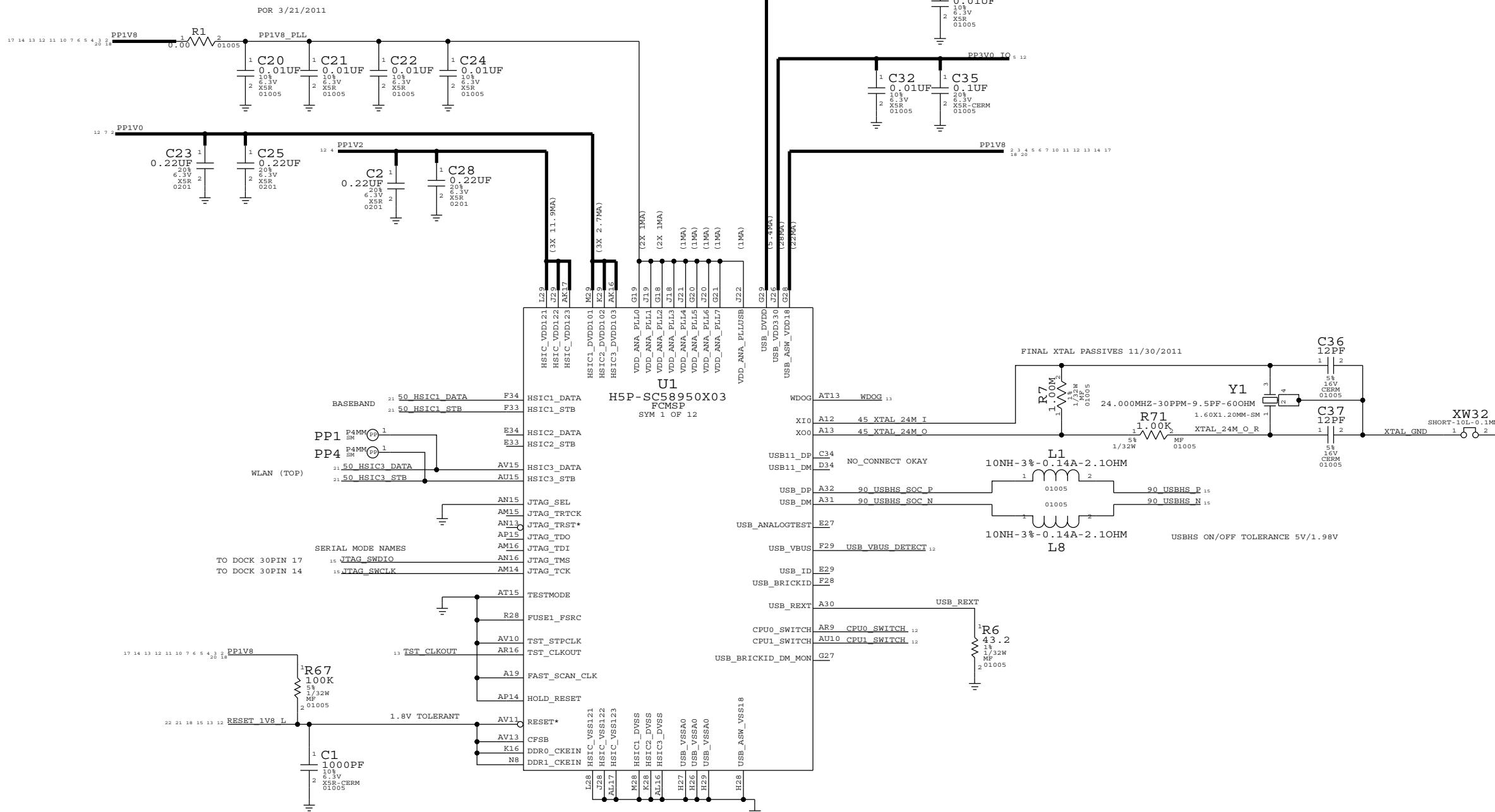
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SYNC MASTER=N/A	SYNC DATE=N/A
PAGE TITLE	
H5P JTAG, USB , PLL	
DRAWING NUMBER	051-9113 D
REVISION	11.0.0
BRANCH	
PAGE	2 OF 24
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```

BOARD_REV[3 : 0] = {EHCI__PORT3, EHCI__PORT_PWR2, EHCI__PORT_PWR1, EHCI__PORT_PWR0}
FLOAT=LOW, PULLUP=HIGH

```

```

BOARD_ID[3:0]={GPIO16,SPI00_MISO,SPI0_MOSI,SPI0_SCLK}
FLOAT=LOW, PULLUP=HIGH
 0000  N41 MLB <---- SELECTED
 0001  N41 DEV
 0010  N42 MLB <---- SELECTED W/ B3_13 BOM OPTION
 0011  N42 DEV

```

```

BOOT_CONFIG[3:0]={GPIO29_CONFIG3,GPIO28_CONFIG2,GPIO25_CONFIG1,GPIO18_CONFIG0}
FLOAT=LOW, PULLUP=HIGH
 0000  SPI0
 0001  SPI1
 0010  SPI0 W/TEST
 0011  SPI3 W/TEST
 0100  FMI0 2CS
 0101  FMI0 4CS
 0110  FMI0 4CS W/TEST
 0111  RESERVED
 1000  FMI1 2 CS
 1001  FMI1 4 CS
 1010  FMI1 4CS W/TEST
 1100  FMI0/1 2/2 CS <---- SELECTED AT EVT3
 1101  FMI0/1 4/4 CS
 1110  FMI0/1 4/4 CS W/TEST
 1111  RESERVED

```

COMMON PULL UP FOR BOARD_REV, BOARD_ID AND BOOT_CONFIG PIN

R12 MUST WIN OVER 6X INTERNAL PULL-DOWNS THAT ARE ~100K

3 ID_N42 R76 1 2 PP1V8 2 3 4 5 6 7 10 11 12 13 14 17
01005 1.00K 28 26
BOMOPTION=B3_13

15 13 12 9 4 **PPIVB SDRAM**

R52¹
220K
5%
1/32W
PF
01005²

U1 EHCI_PORT_PWR0
EHCI_PORT_PWR1
EHCI_PORT_PWR2
EHCI_PORT_PWR3

FCMSP EHCI_PORT_PWR3

H5P-SCS58950X03

SYM 2 OF 12

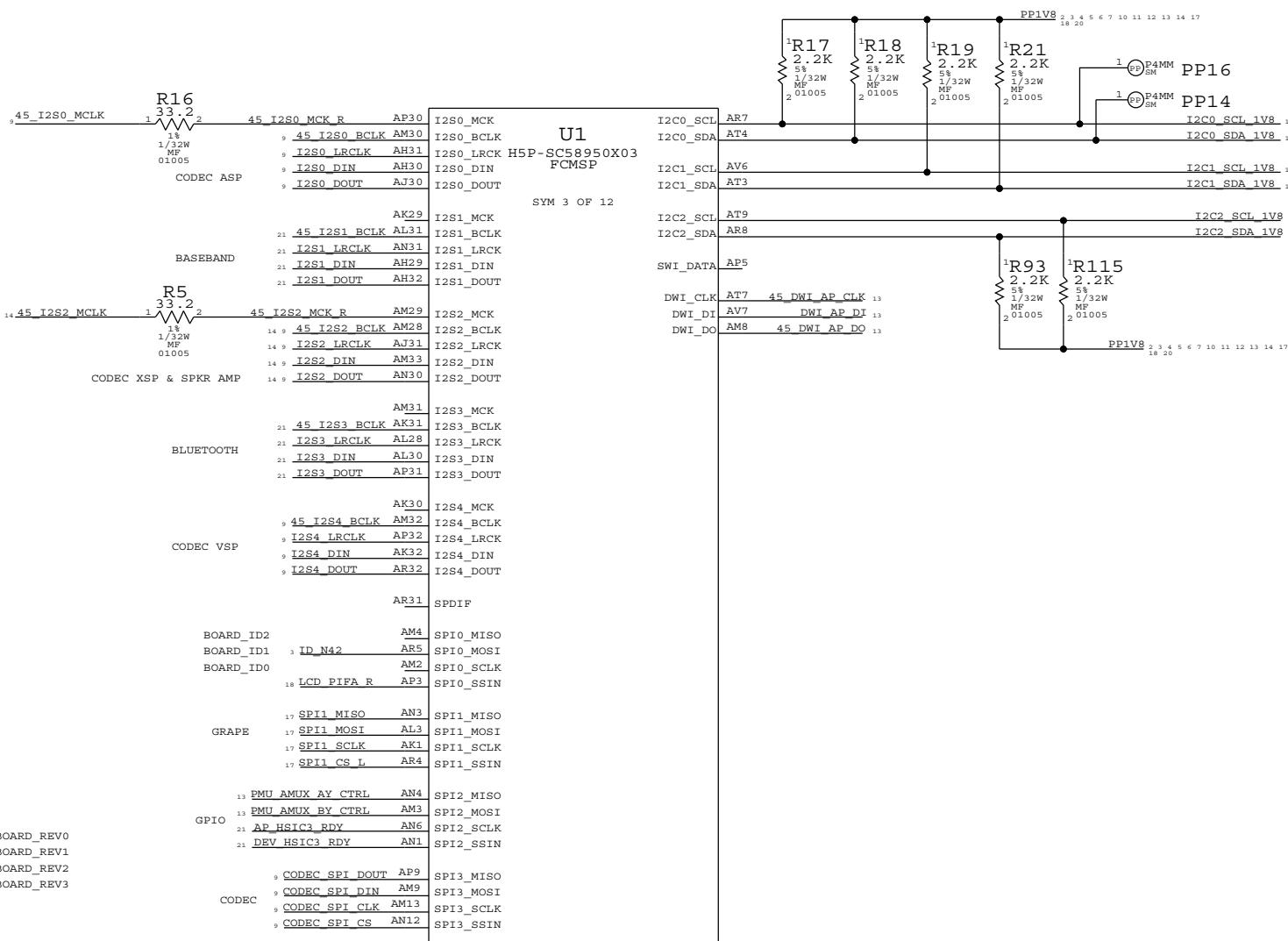
TMR32_PWM0 AT6 GYRO_INT2¹⁴
TMR32_PWM1 AP8 VIB_PWM⁸
TMR32_PWM2 AP1 CLK32K_GRAPE_RESET_SOC_L¹⁷

13 3 **MENU_KEY_BUFF_L** W3 GPIO00
13 3 **HOLD_KEY_BUFF_L** N2 GPIO01
13 8 **VOL_UP_L** M4 GPIO02
13 8 **VOL_DWN_L** V3 GPIO03
13 8 **RINGER_A** T4 GPIO10
14 **SPKAMP_INT_L** W2 GPIO15
13 **PMU_IRO_L** P3 GPIO16
21 **BT_WAKE** M3 GPIO17
19A **KEEP (STAYING) ALIVE** --> U4 GPIO18
14 **BEE_GEES** P4 GPIO19
19A **BOARD_INFO**³
BOARD_REV0
BOARD_REV1
BOARD_REV2
BOARD_REV3

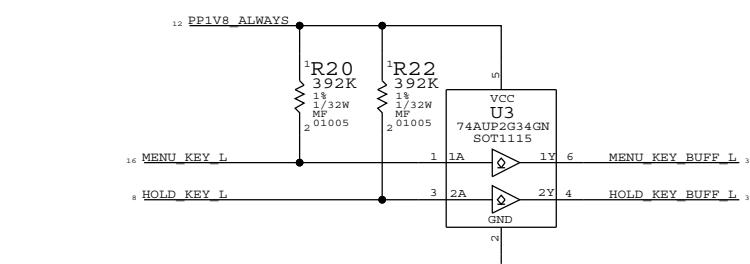
(OPEN DRAIN@PMU) NEW --->

UART0_RXD AR15 VIB_LDO_EN⁸

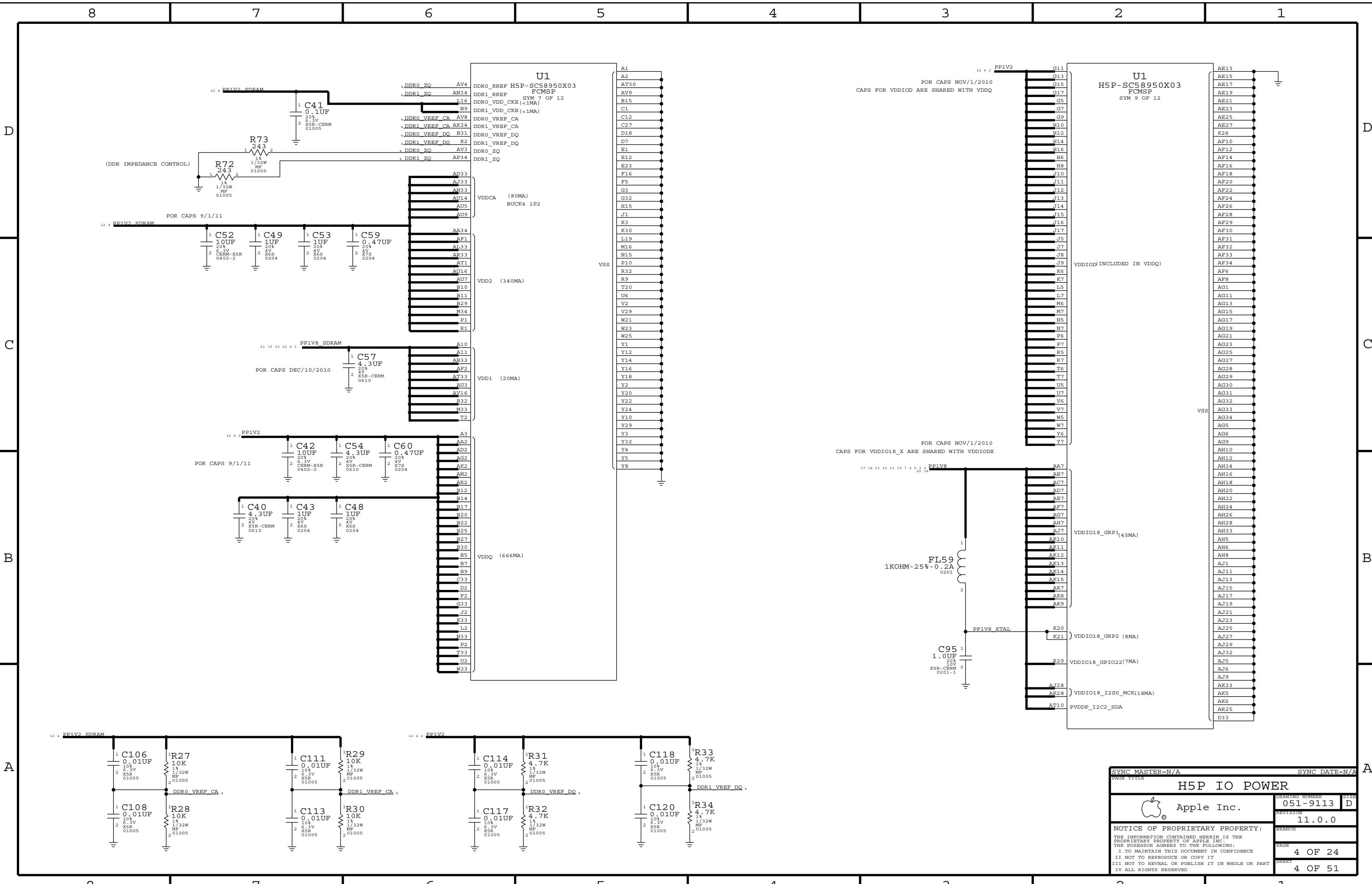
14	<u>ACCEL_INT2_L</u>	C20	GPIO36	UART6_RTSN	AL1	SPKAMP_RESET_L	14
		D20	GPIO37 <50MHZ	UART6_RXD	AK3	UART6_RXD	15
11	<u>ALS_INT_L</u>	C19	GPIO38	UART6_TXD	AD1	UART6_TXD	15
17	<u>GRAPE_RESET_L</u>	D19	GPIO39 <50MHZ				
16	<u>HS3_CONTROL</u>	AT11	GPIO_3V0	GPIO_SVSEL18_FMI	AU13		
16	<u>HS4_CONTROL</u>	AP12	GPIO_3V1	GPIO_SVSEL25_FMI	AR14	FMI, 00=1.8V 01=3.0V 10=3.3V	
				GPIO_VSEL25_I2C2	AR13		
				GPIO_VSEL25_SPI3	AT12	I2C2, 0=1.8V 1=3.0V	
						SPI3, 0=1.8V 1=3.0V	



MENU & POWER / HOLD KEY



SYNC MASTER-N/A	SYNC DATE-N
PAGE TITLE	H5P GPIO & CONTROL
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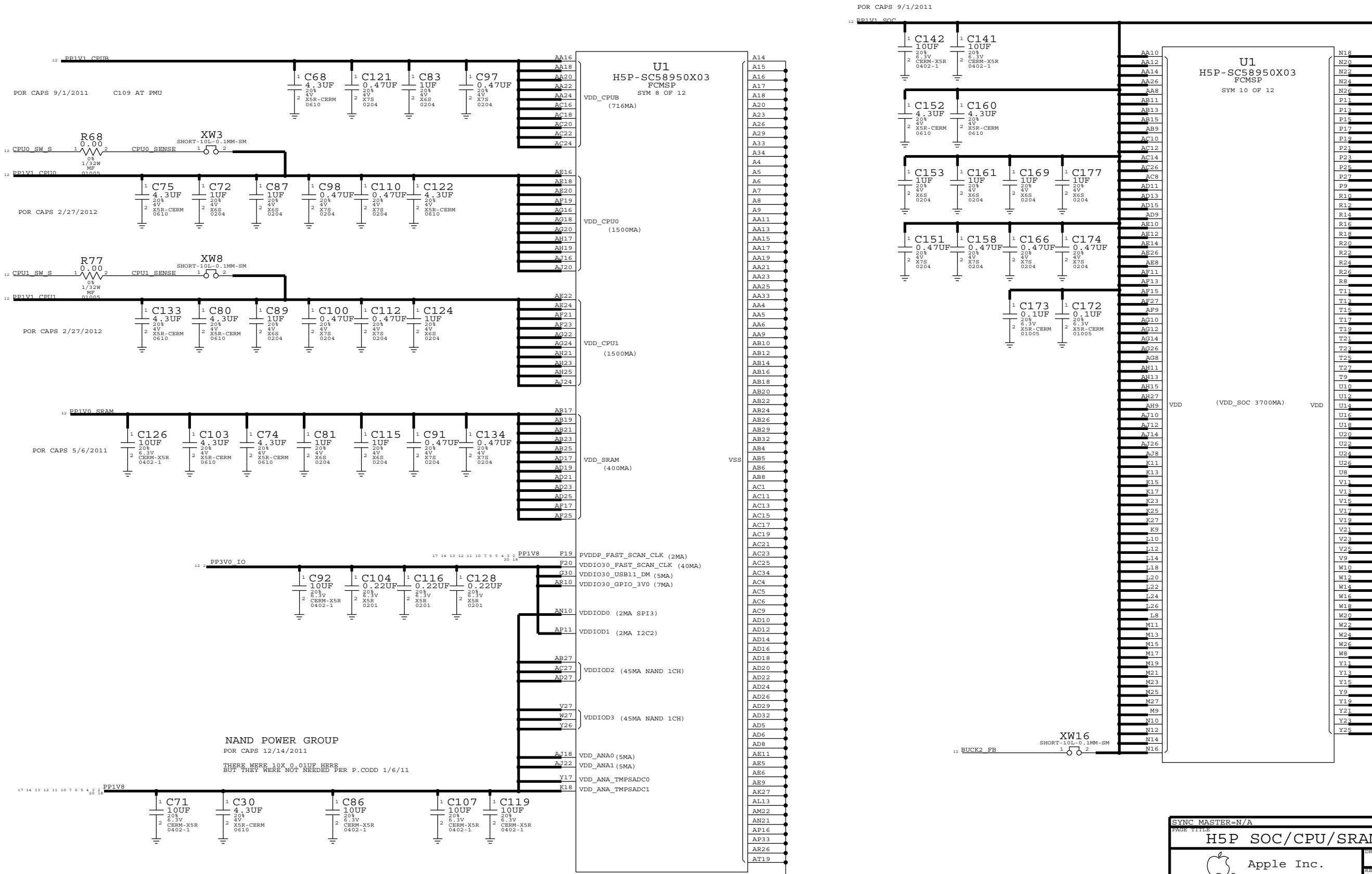
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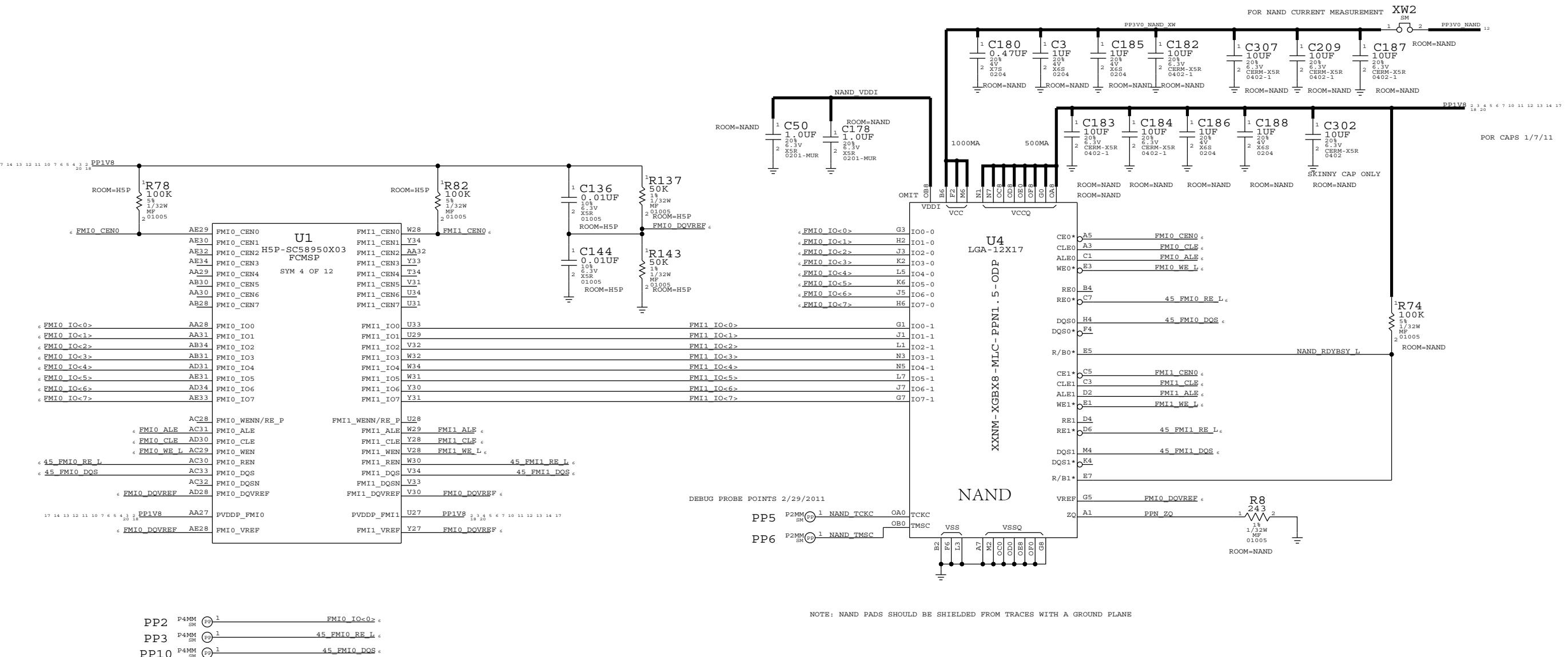
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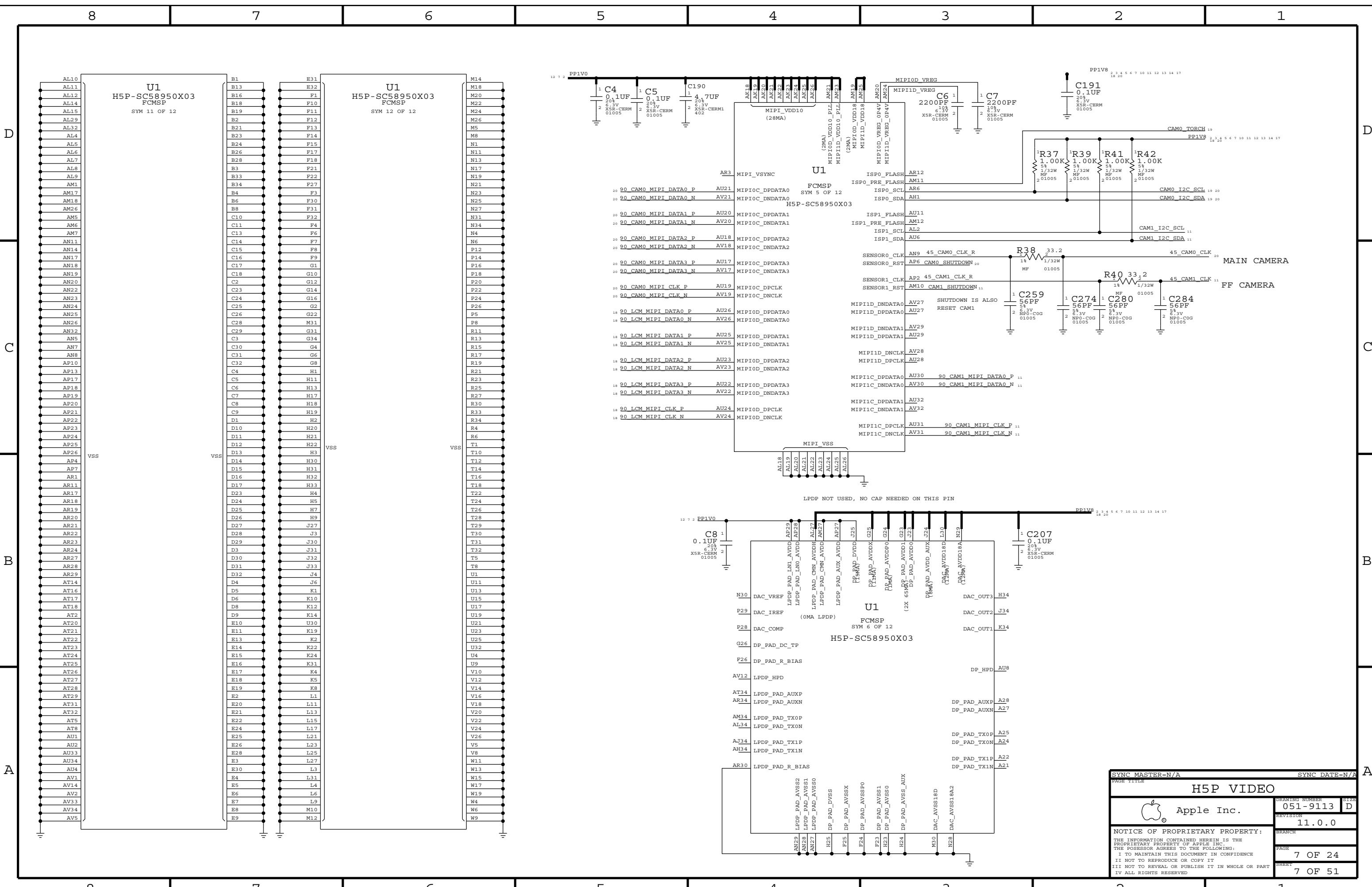
NAND

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



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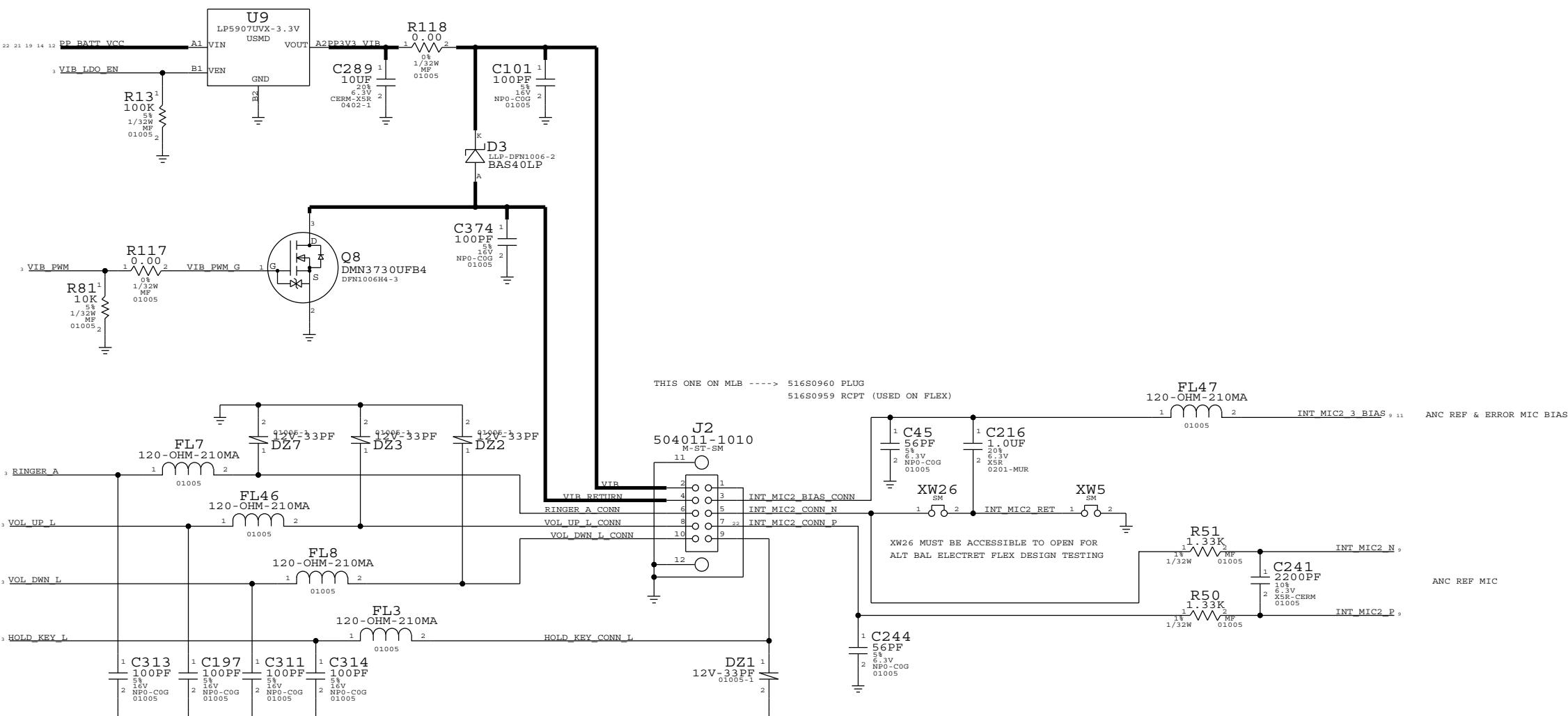
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SHARES INPUT CAPS WITH STROBE DRIVER



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CS42L65 AUDIO CODEC

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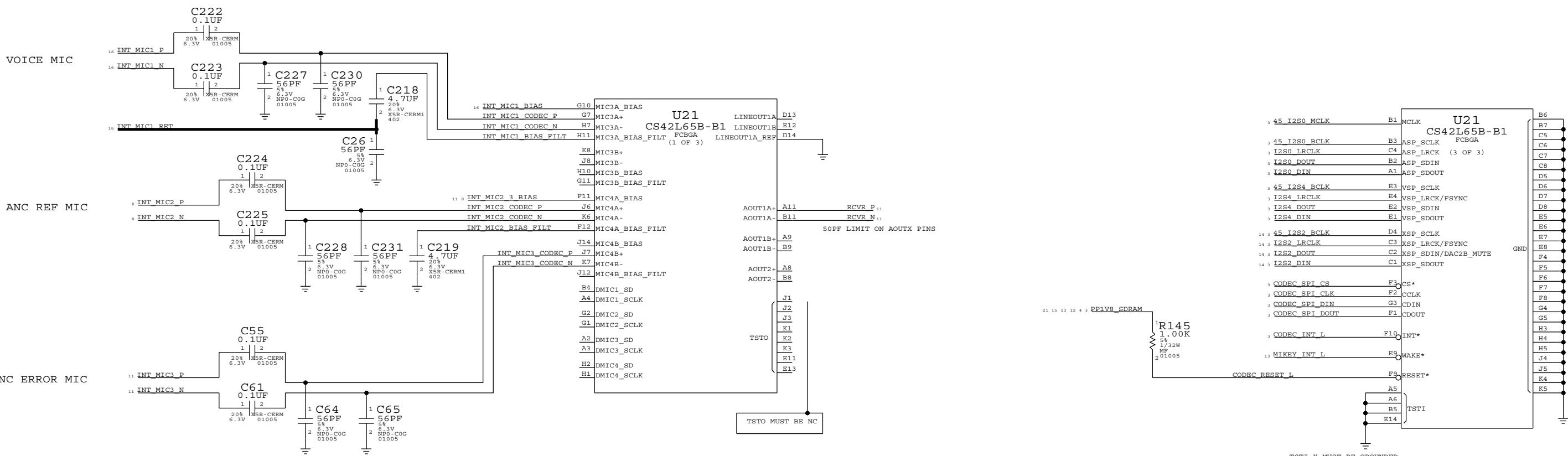
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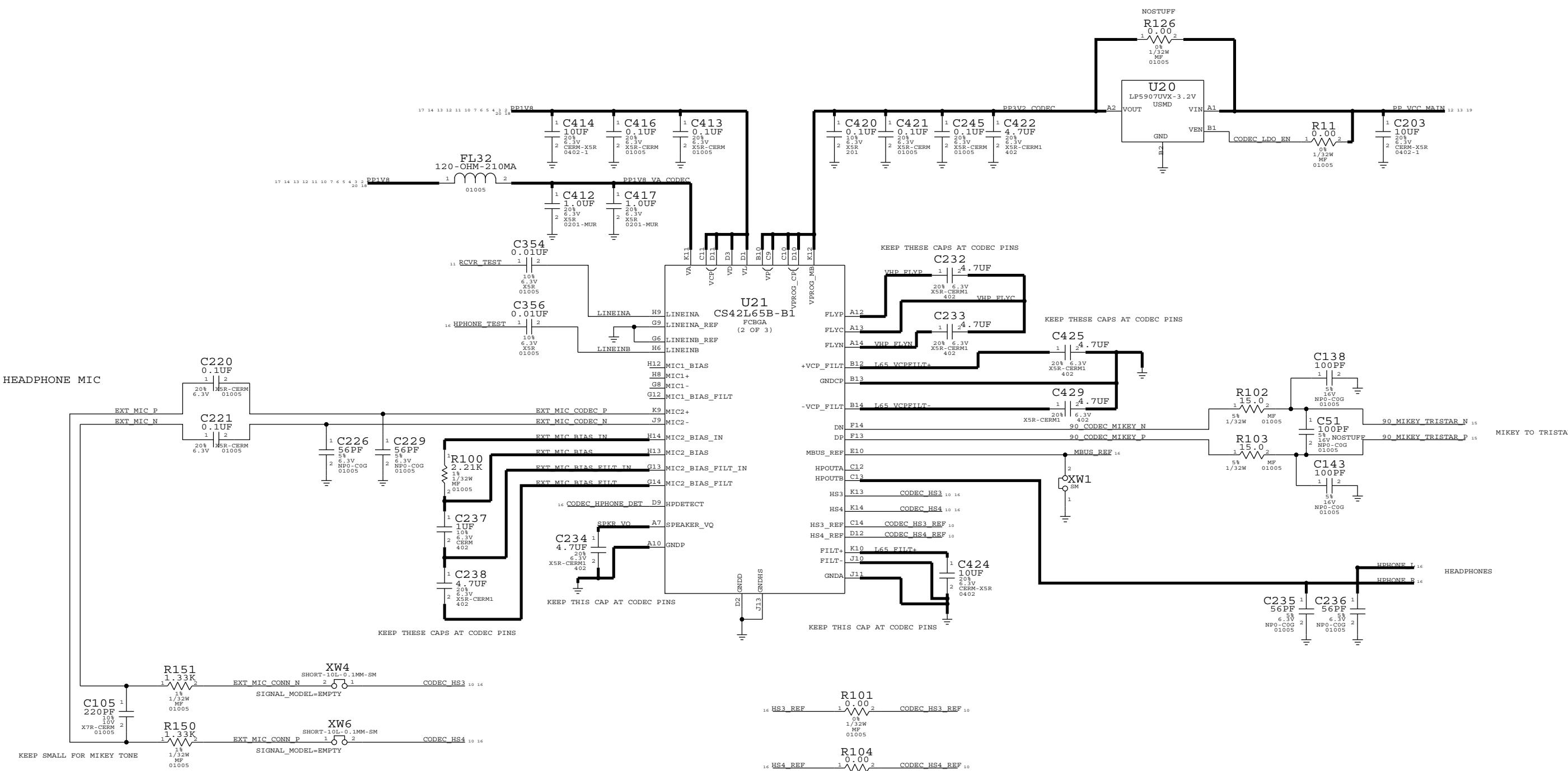
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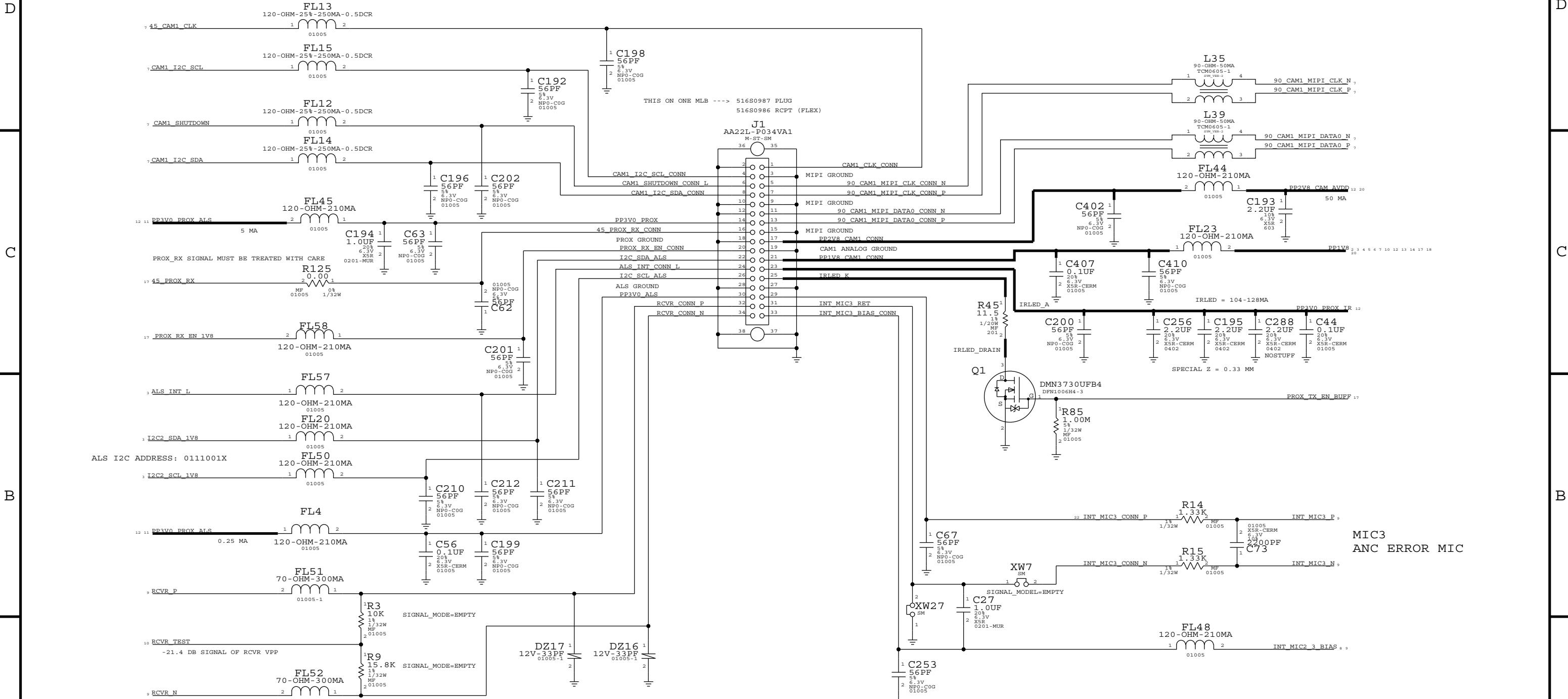
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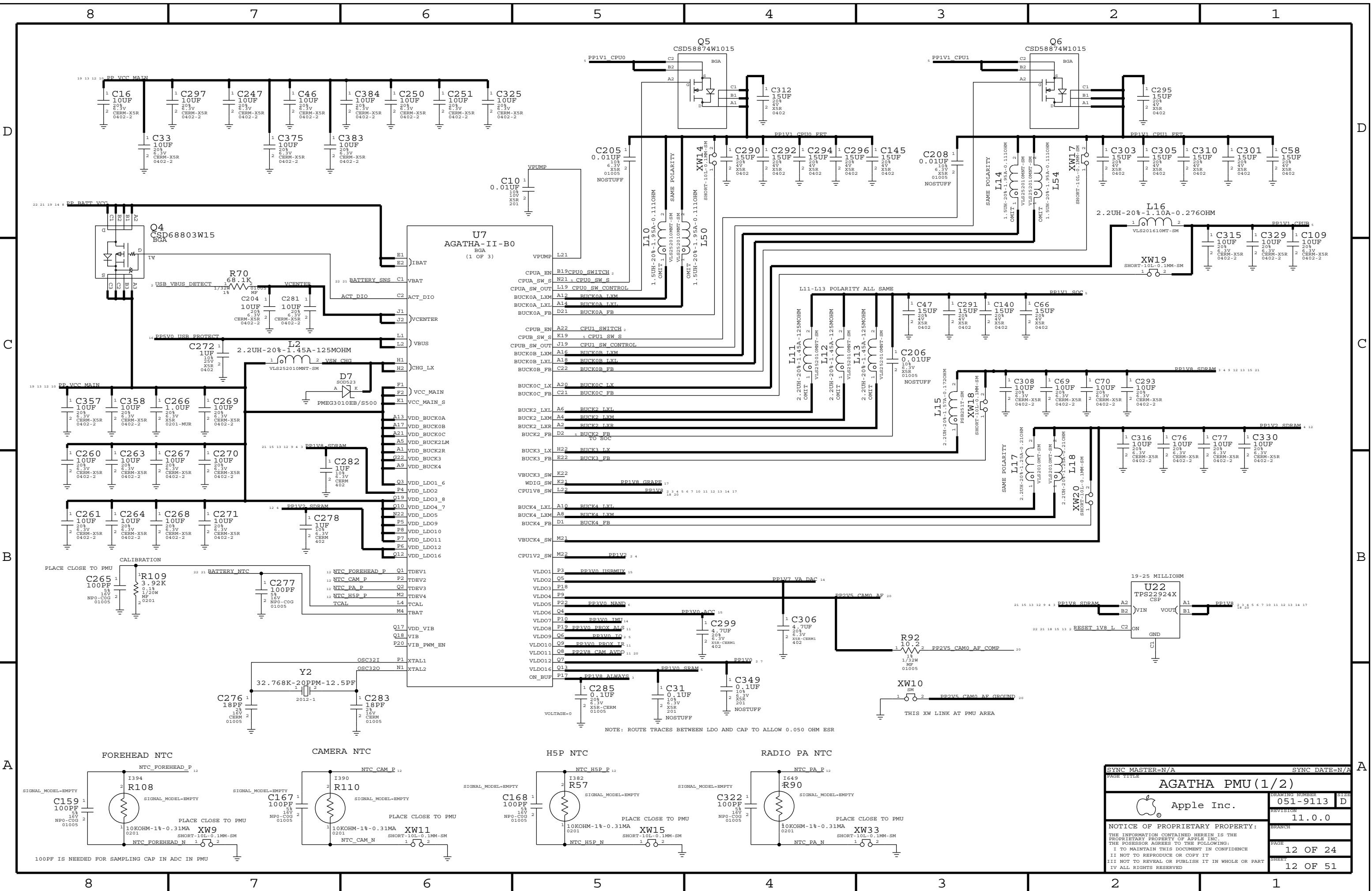
CS42L65 AUDIO CODEC



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CG FLEX CONNECTOR					
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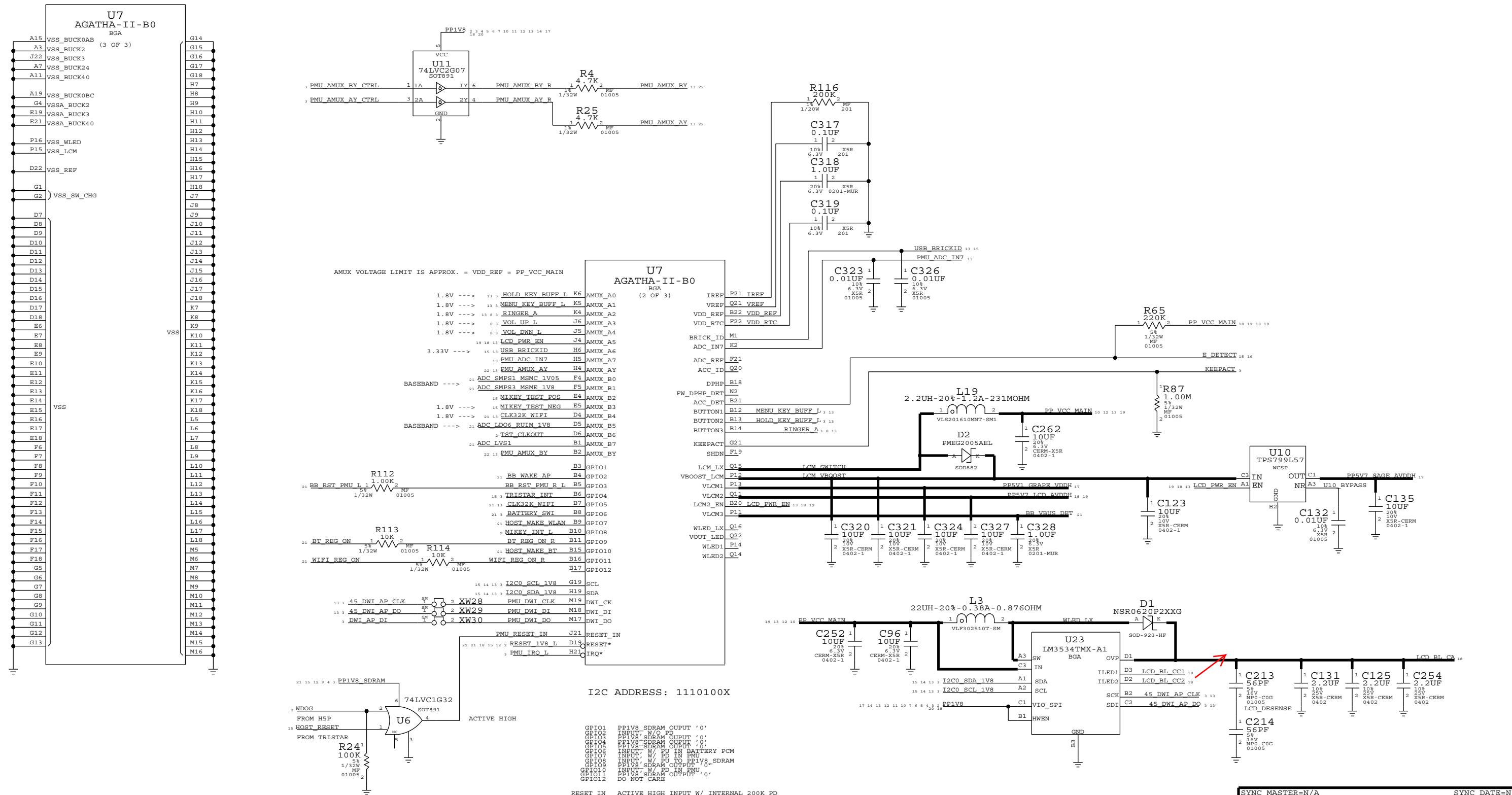
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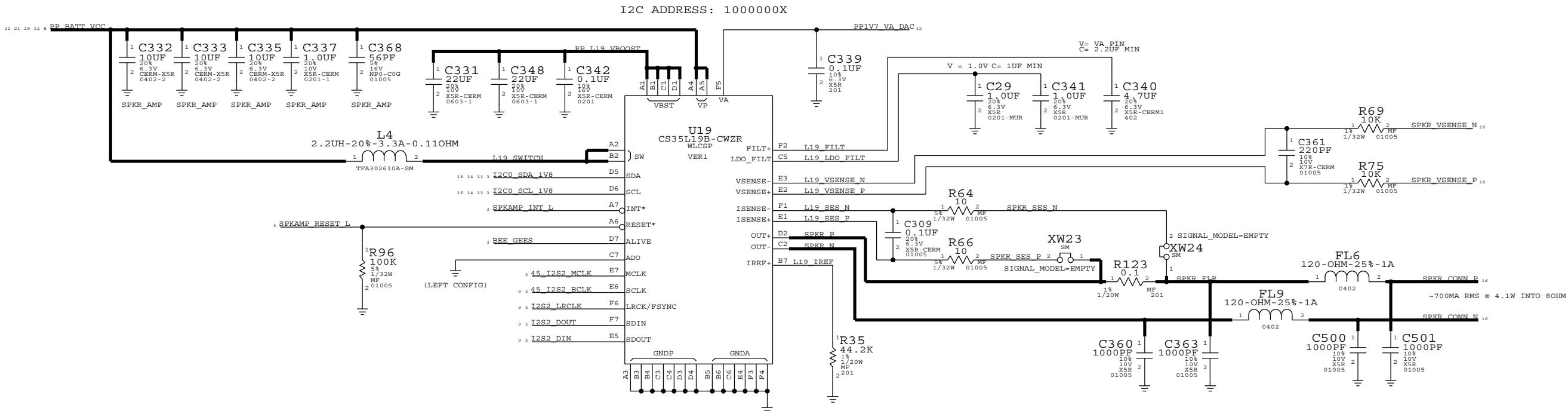
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SPEAKER AMP

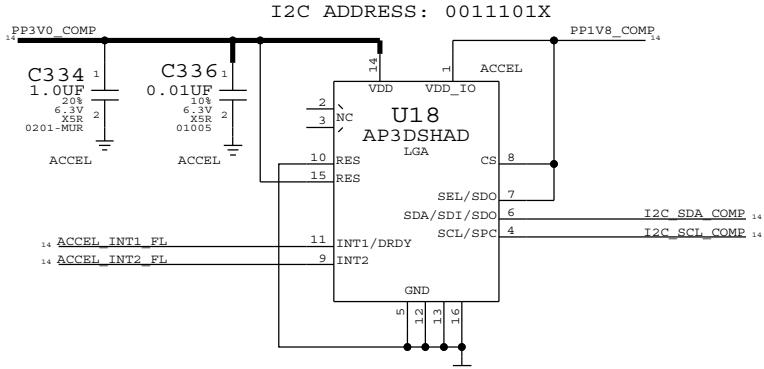


THESE PARTS OUTSIDE OF SHIELD

GYRO 20KHZ

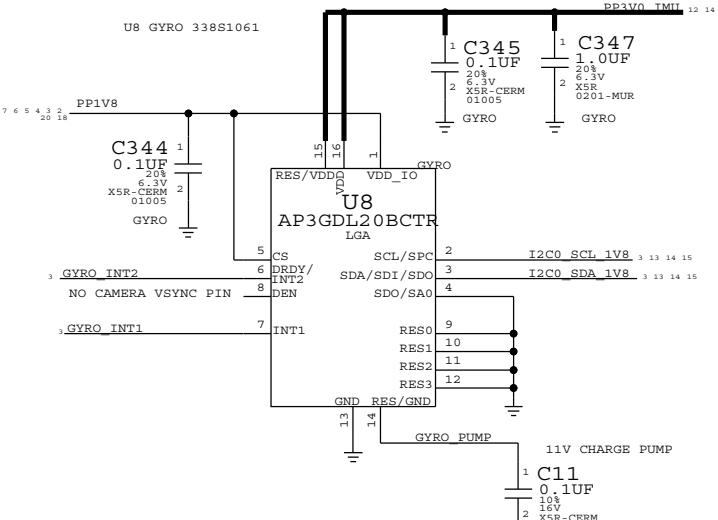
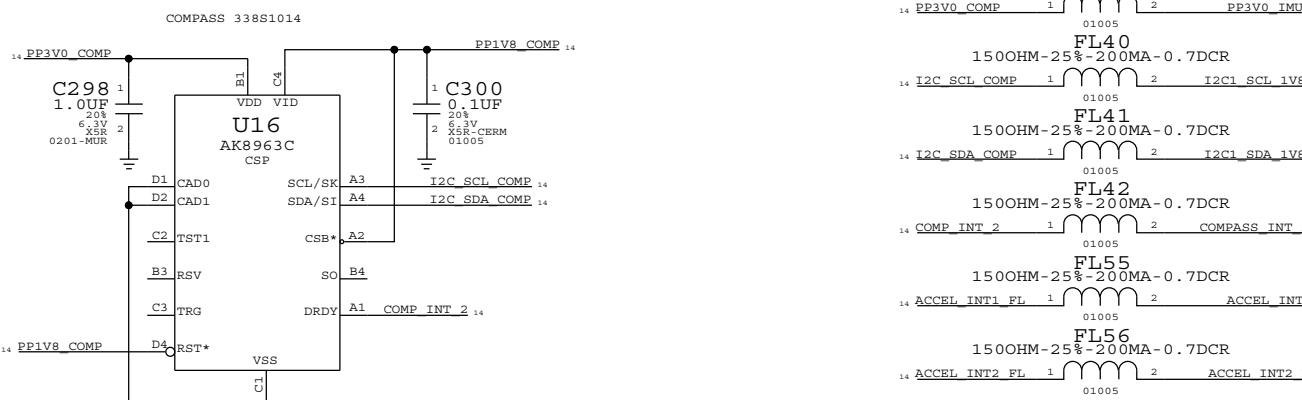
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ACCELEROMETER



COMPASS2

I₂C ADDR: 0001100X

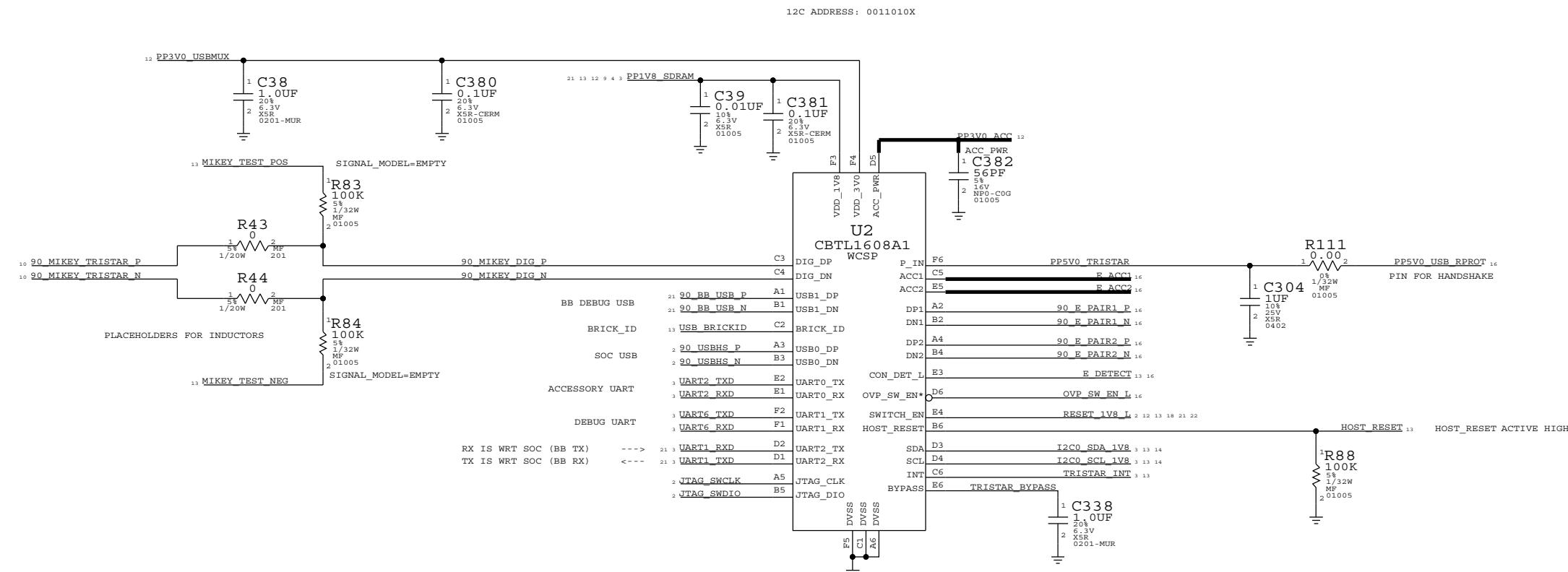


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ACCEL, GYRO, COMPASS, SPK AMP					
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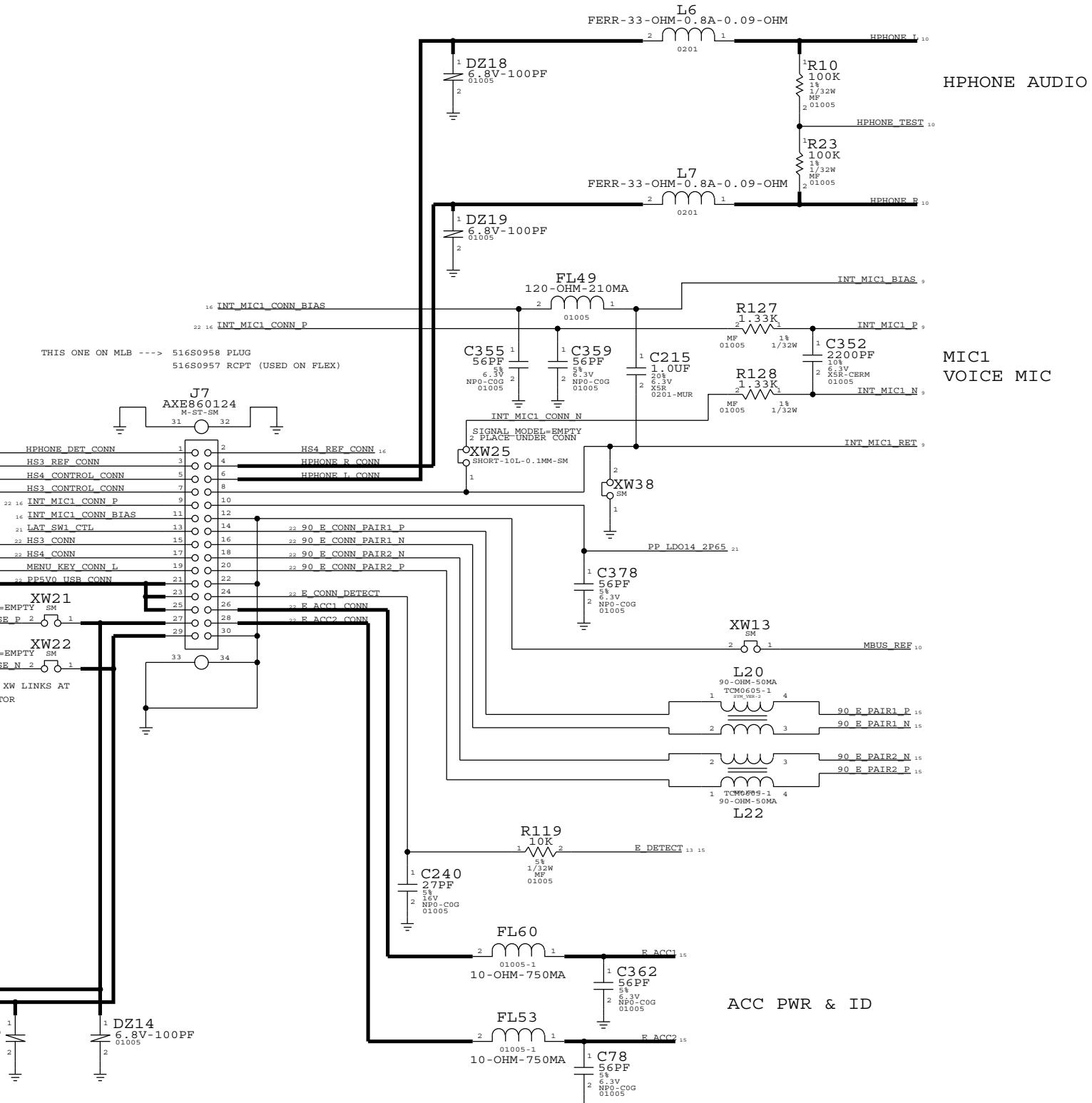
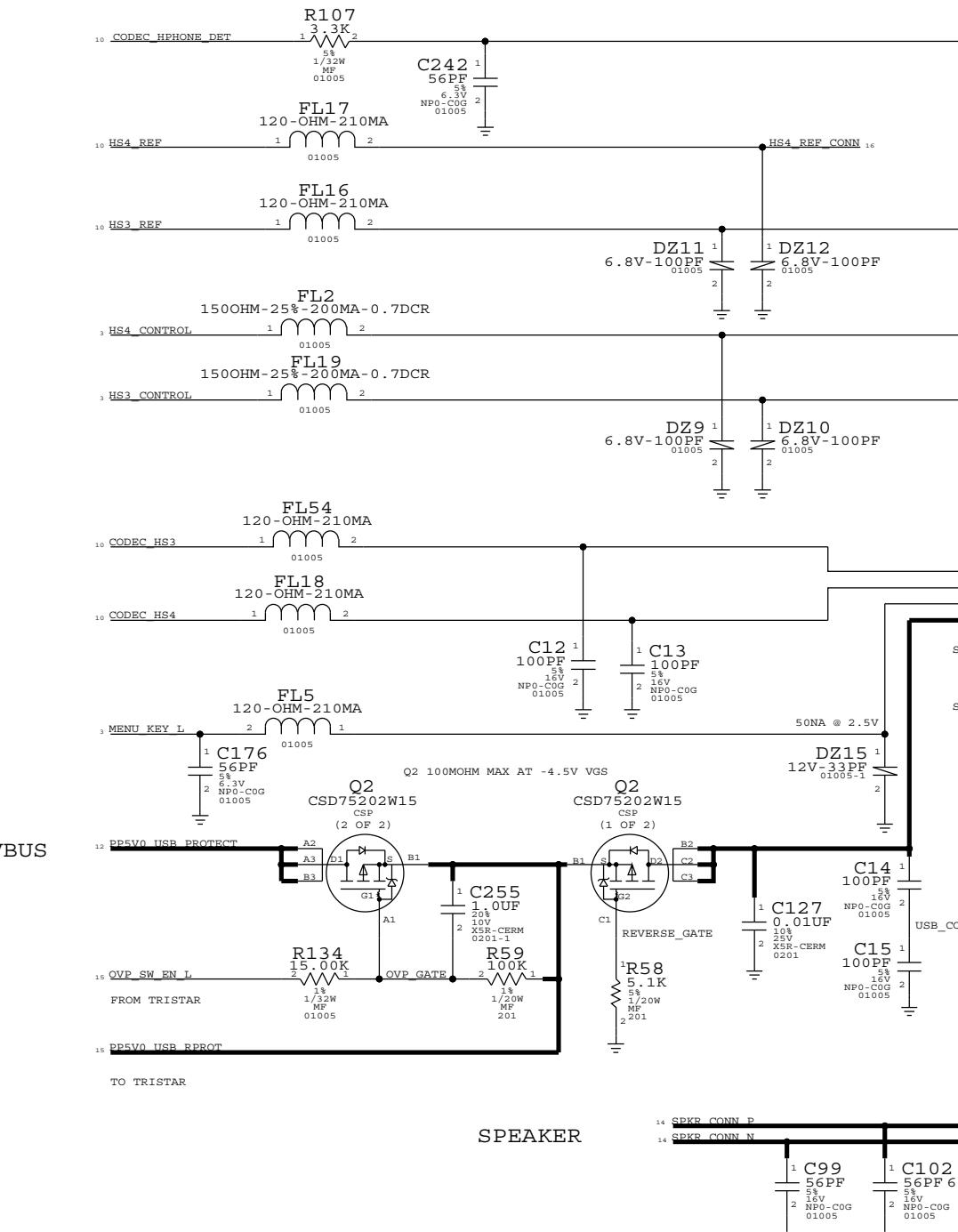


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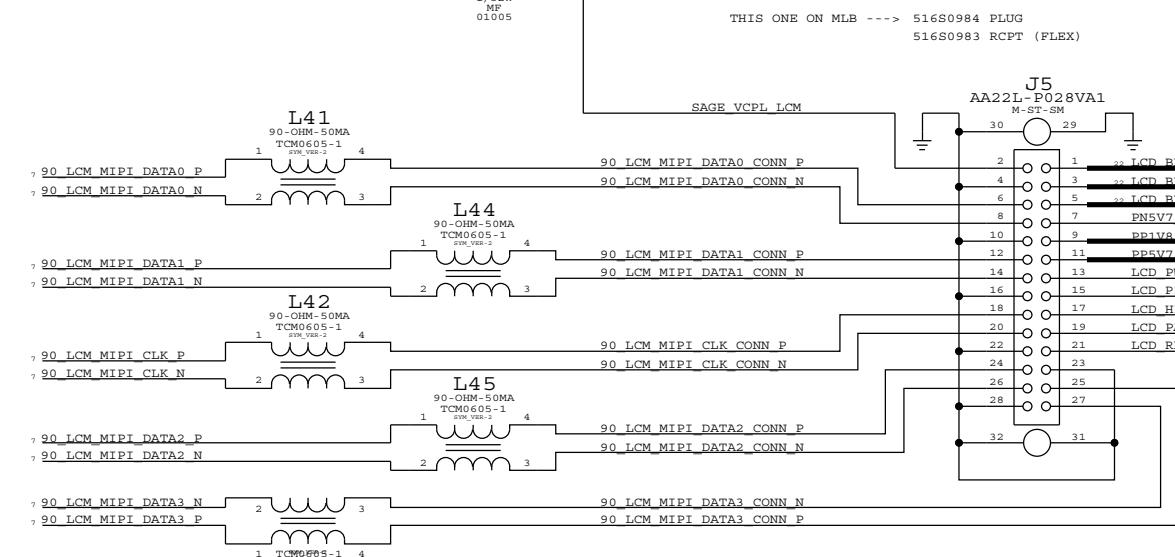
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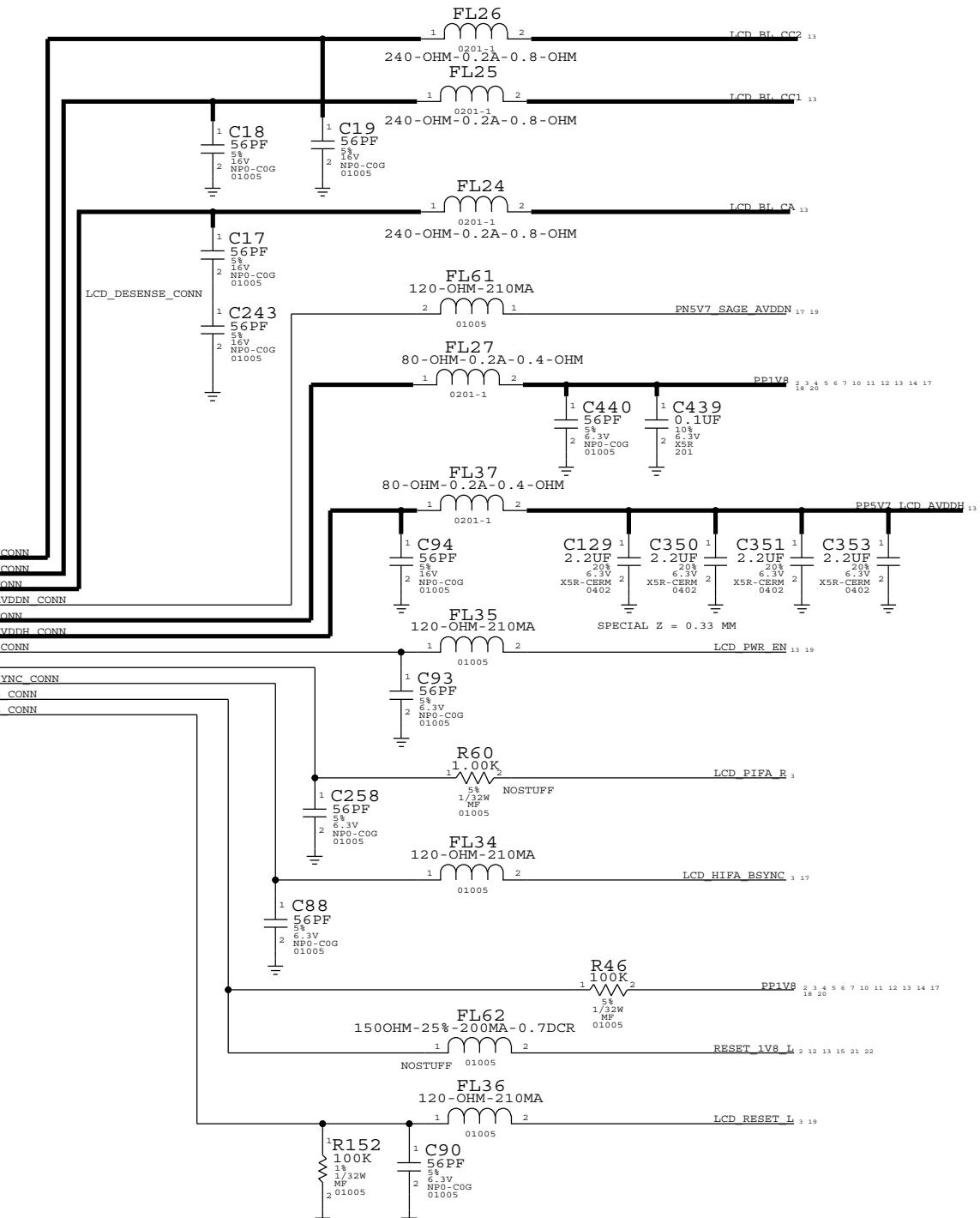
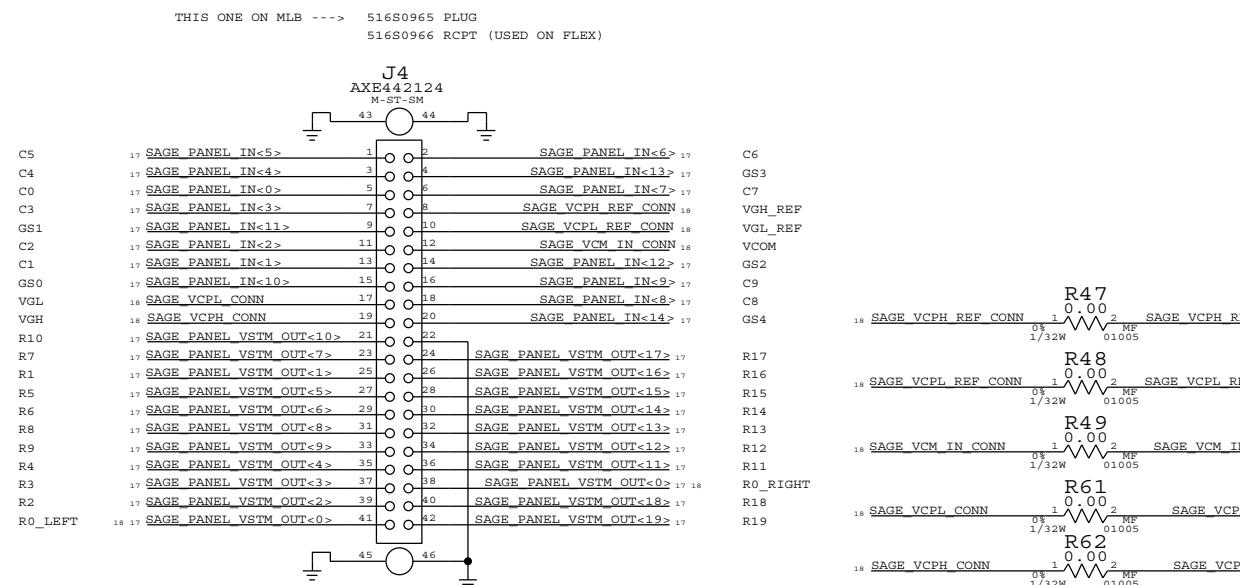
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LCM CONNECTOR



GRAPE CONNECTOR

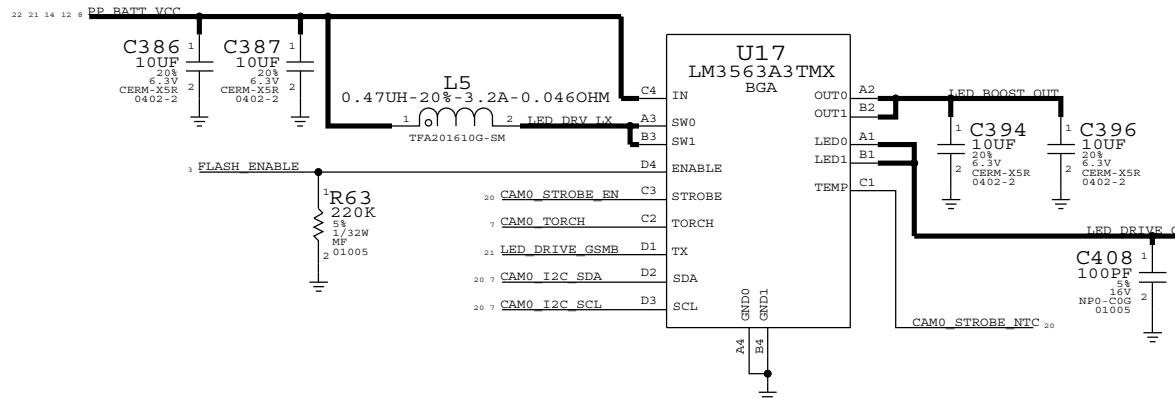


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LCM CONNECTOR					
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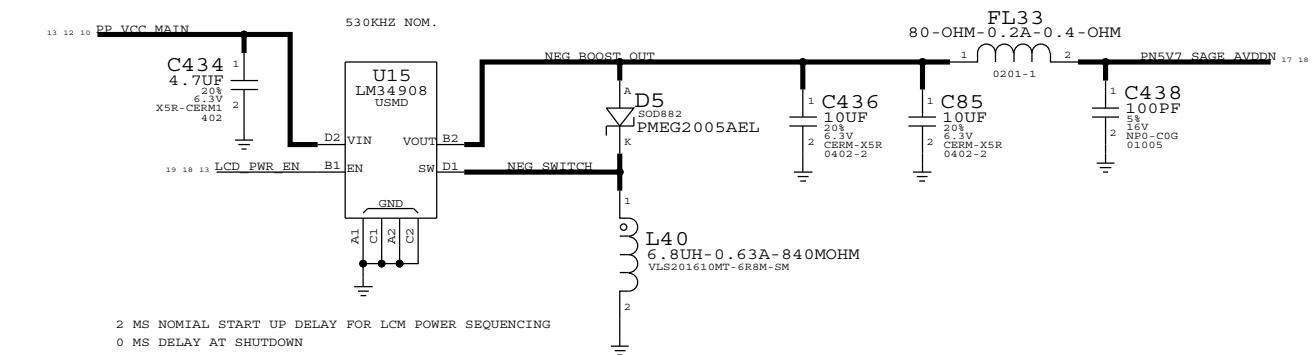
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LED DRIVER

I2C ADDRESS: 110001

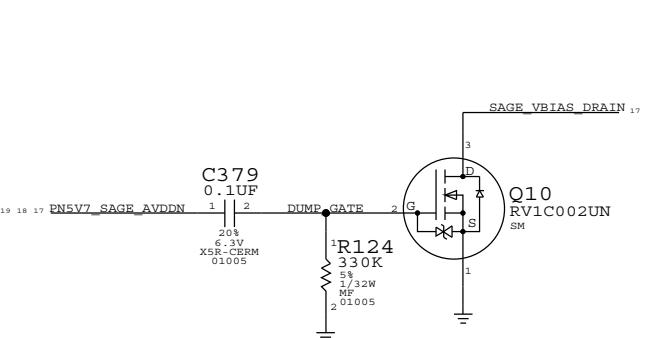


NEGATIVE BOOST SUPPLY

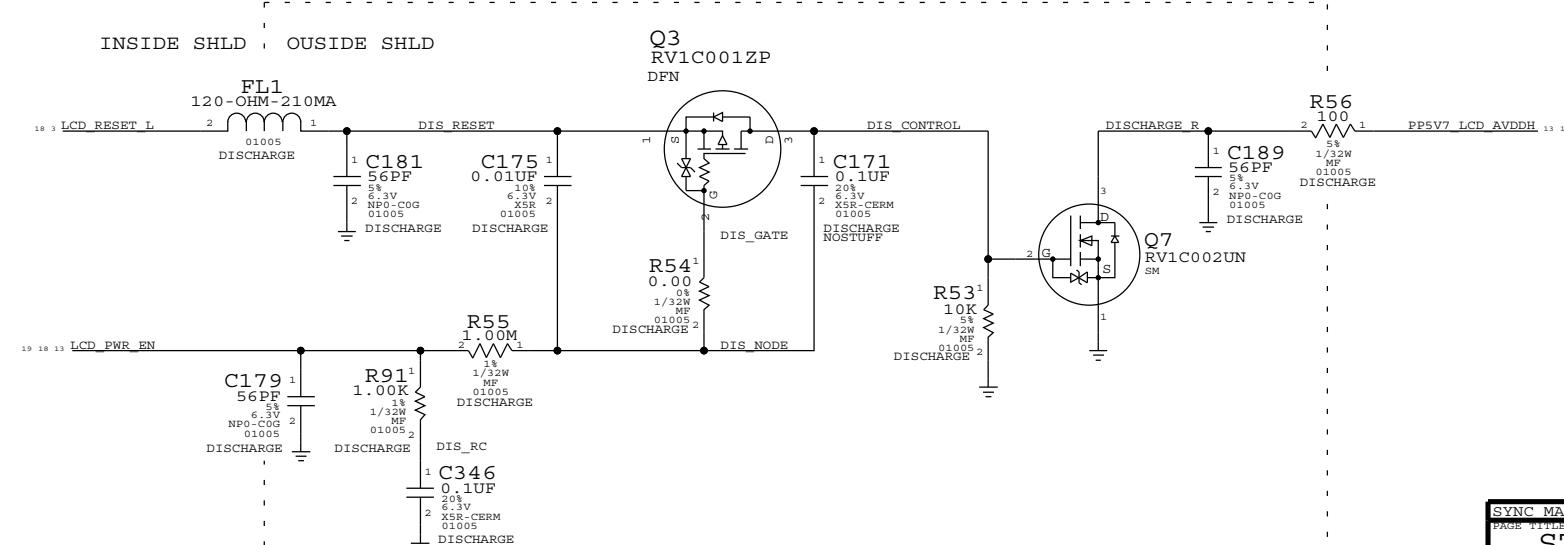


2 MS NOMIAL START UP DELAY FOR LCM POWER SEQUENCING
0 MS DELAY AT SHUTDOWN
ACTIVE DISCHARGE 2MS TO RAIL DOWN

SAGE VBIAS DISCHARGE

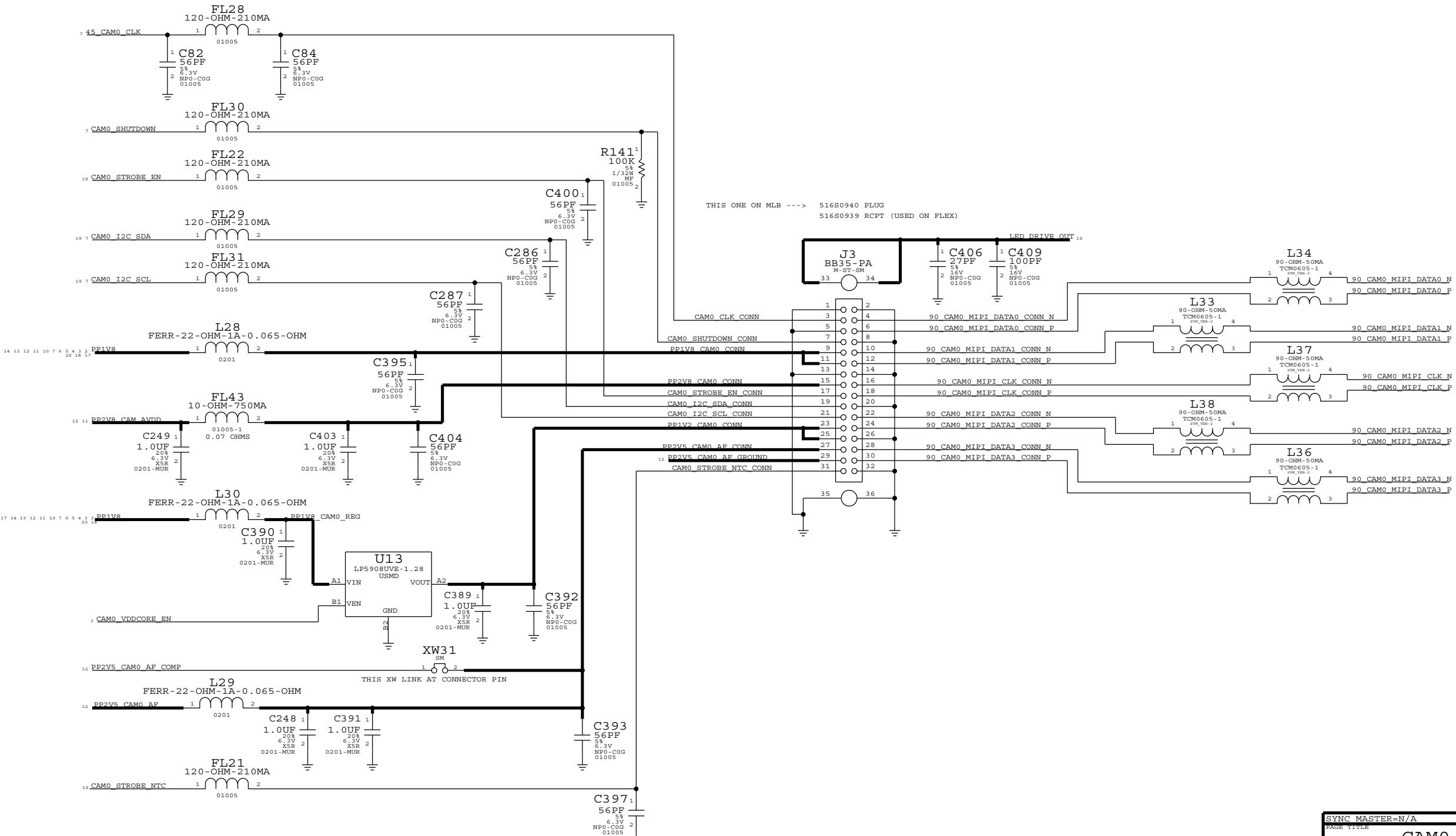


THIS CIRCUIT IS BEHIND THE SIM TRAY



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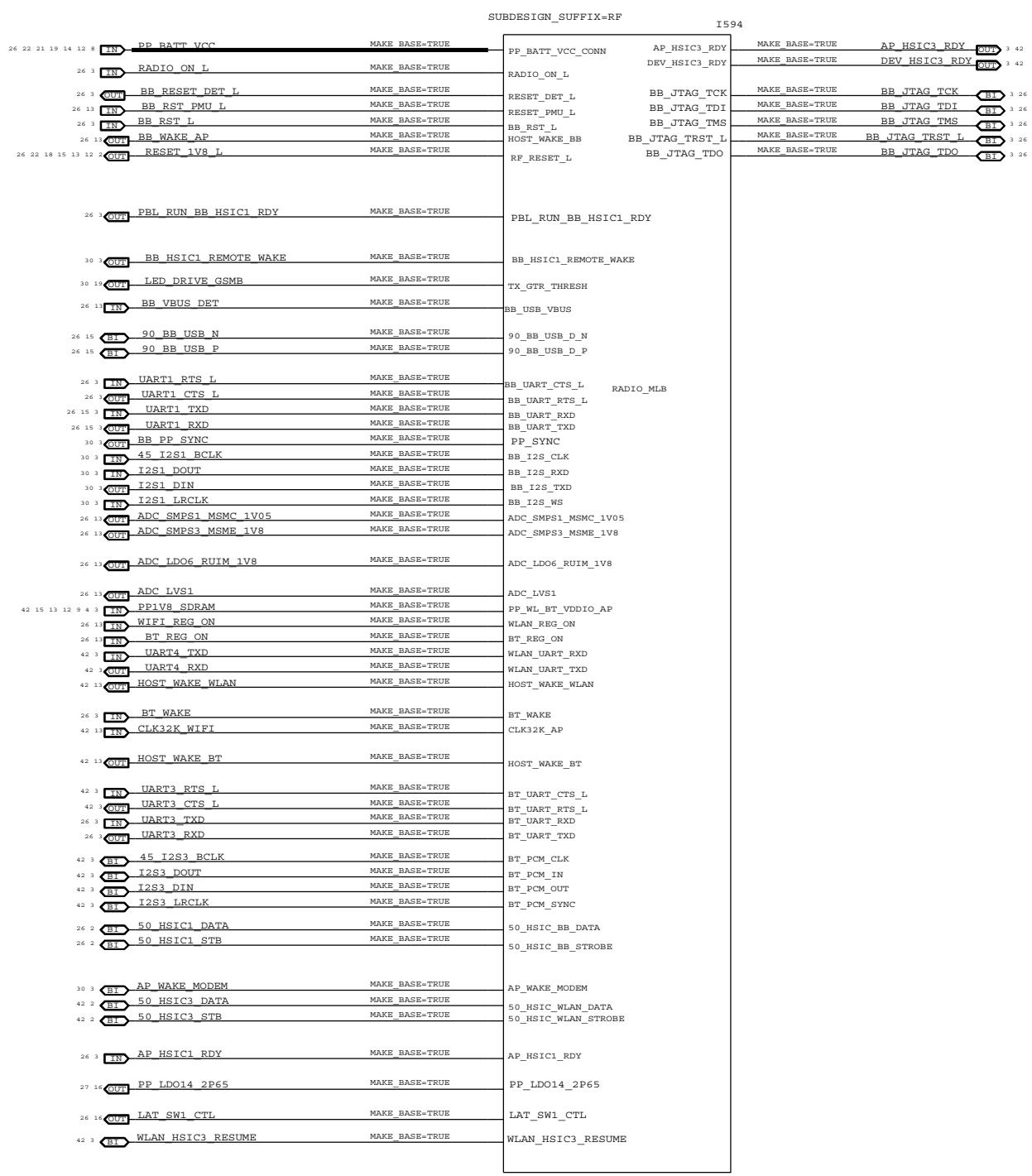
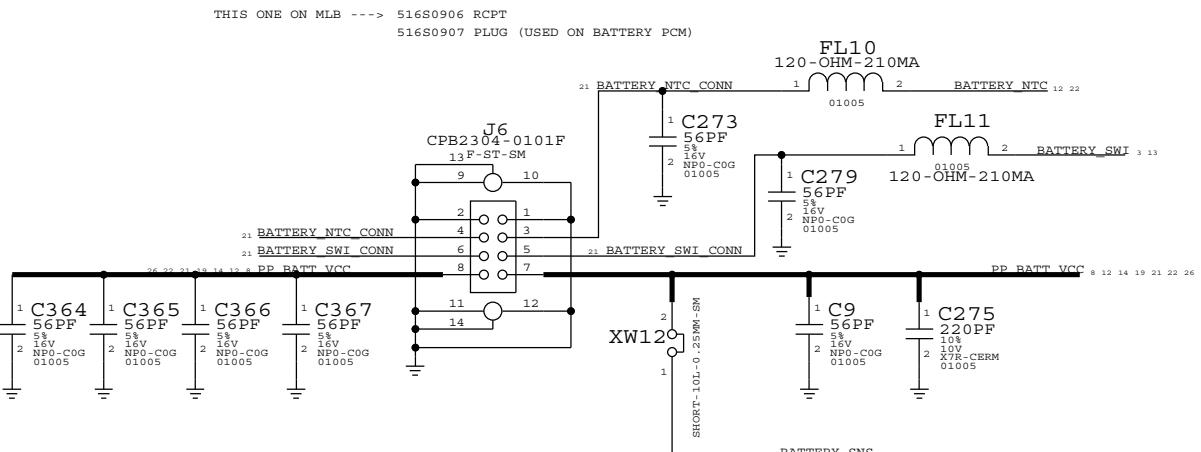
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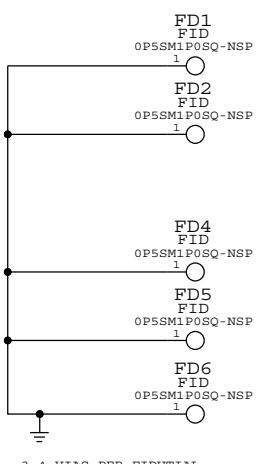
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BRANCH	SHEET
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AP/RADIO INTERFACE

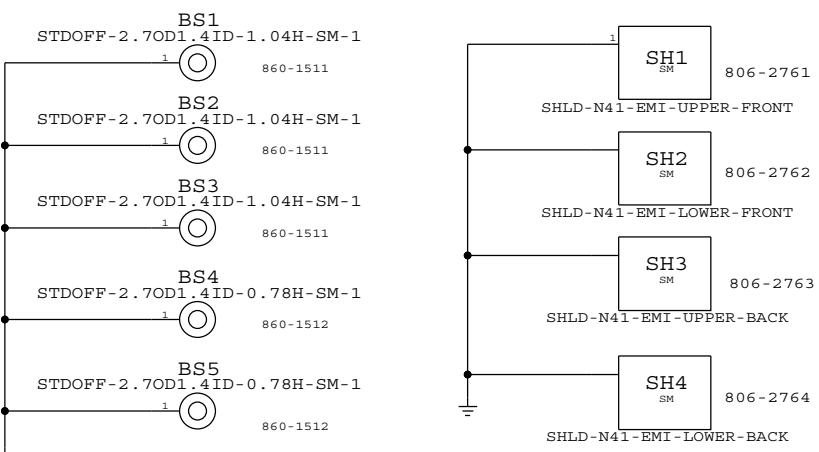
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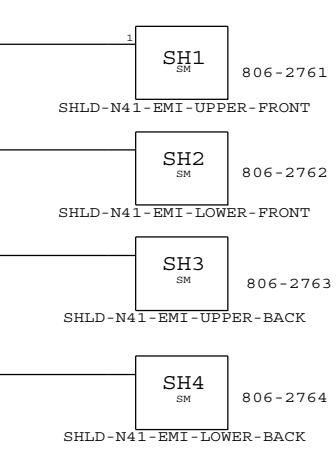
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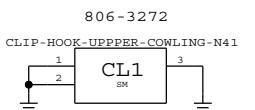
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SHIELDS



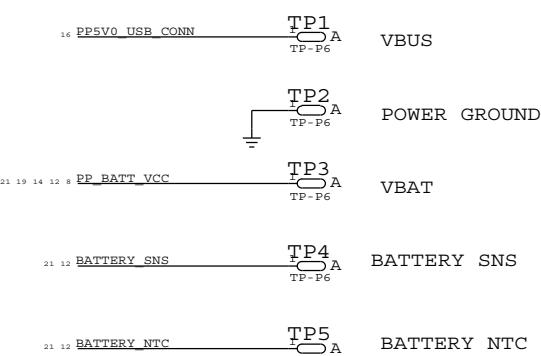
UPPER COWLING CLIP/HOOK



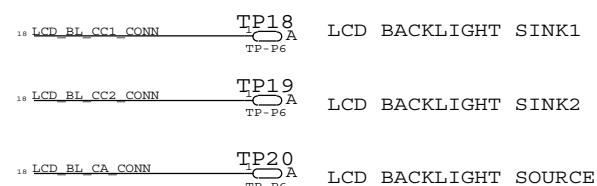
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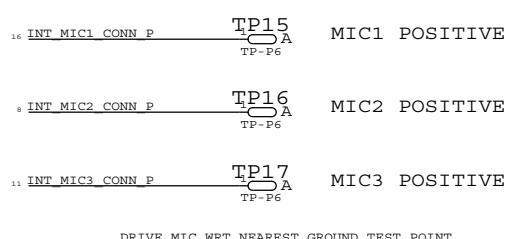
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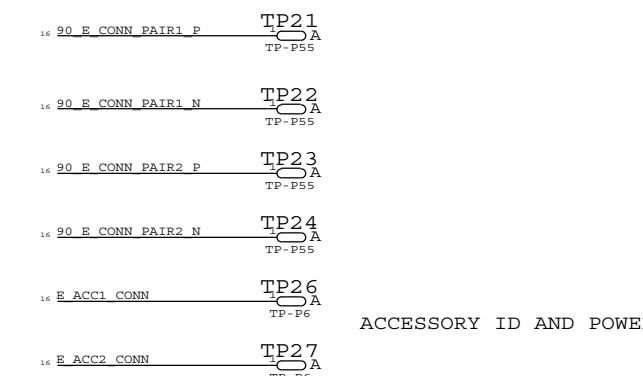
LCM BACKLIGHT



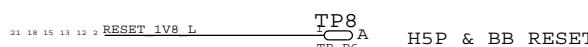
MIC AUDIO



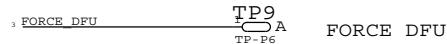
E75 - USB/UART/ID/POWER



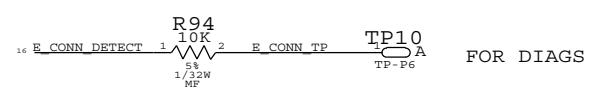
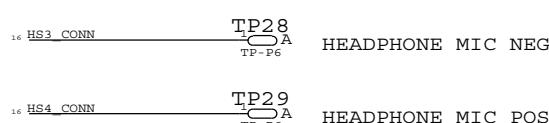
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DFU



HEADPHONE MIC



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RADIO BOM OPTIONS

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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 ₂ INDUCTOR - MURATA	L1001_RF	Y	B4_17
152S1662	1	1.5NH ₂ INDUCTOR - TDK	L1001_RF	Y	B3_13
152S1577	1	15NH ₂ INDUCTOR - MURATA	L1002_RF	Y	B4_17
152S1665	1	15NH ₂ INDUCTOR - TDK	L1002_RF	Y	B3_13
152S1576	1	12NH ₂ INDUCTOR - MURATA	L1003_RF	Y	B4_17
152S1664	1	12NH ₂ INDUCTOR - TDK	L1003_RF	Y	B3_13
152S1570	1	4.7NH ₂ INDUCTOR - MURATA	L1010_RF	Y	B4_17
152S1663	1	4.7NH ₂ 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 ₂ INDUCTOR - MURATA	L1205_RF	Y	B4_17
152S1663	1	4.7NH ₂ 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

DIVERSITY 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	49.90HM 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

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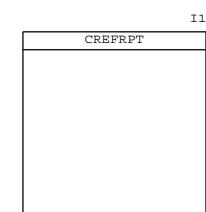
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8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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

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N41_RADIO_MLB SUBDESIGN

RADIO - 04/30/2012: SUBDESIGN

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- 15 BAND 2 PAD
- 16 RX DIVERSITY
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- 18 WLAN/BT
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PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-9119	1	N41_RADIO_MLB	SCH	Y	
825-2029	1	EEE FOR 639-2482	EEEE_DNVM	Y	B4_17
825-2029	1	EEE FOR 639-3241	EEEE_DW3L	Y	B3_13

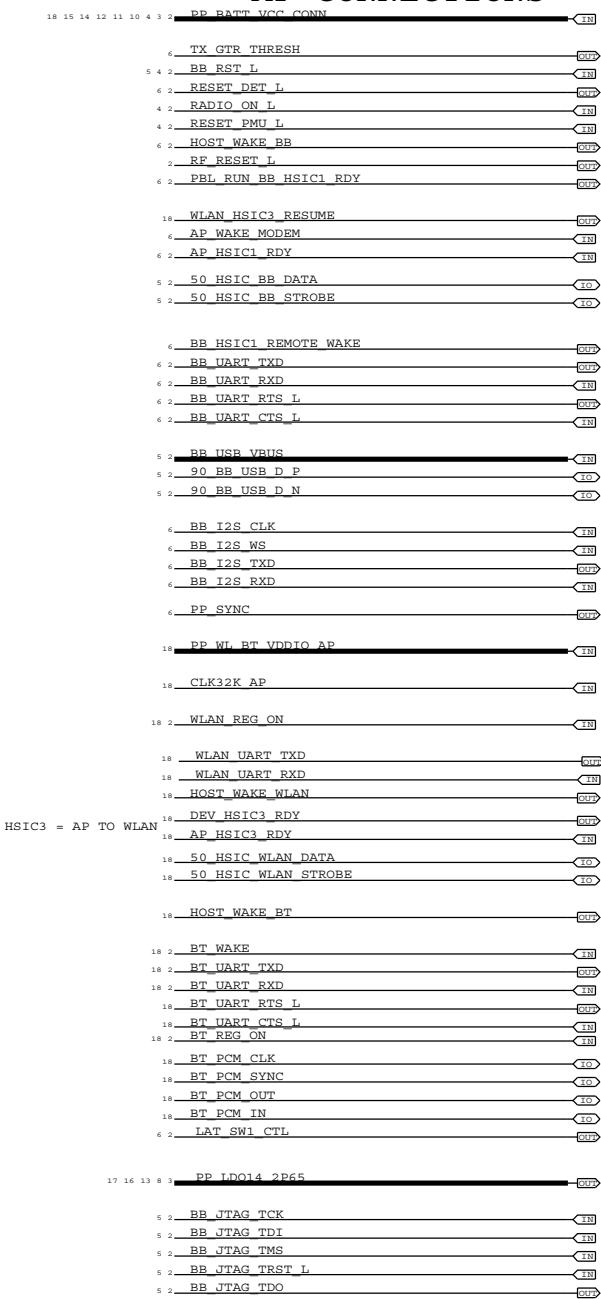
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 BOM {B4_17} : 639-2482
 BOM {B3_13} : 639-3241

DRAWING TITLE		DRAWING NUMBER	SIZE
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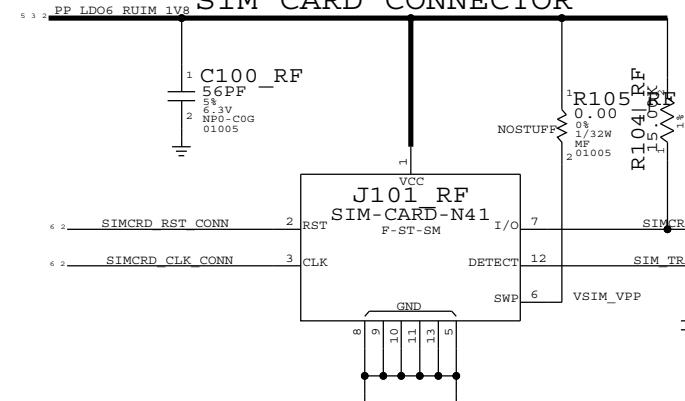
AP INTERFACE & DEBUG CONNECTOR

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AP CONNECTIONS



SIM CARD CONNECTOR

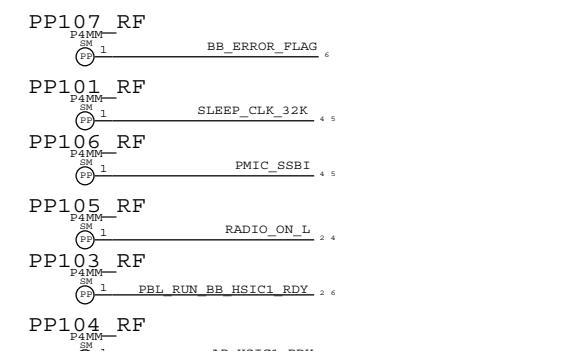


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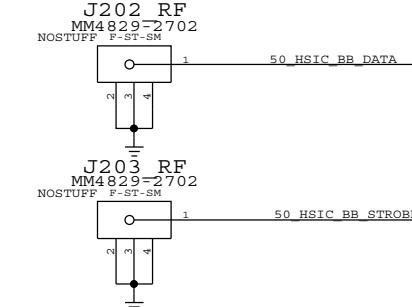
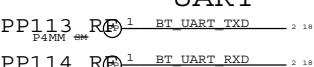
SHORT-10L-0.1MM-SM
PP SMPS3 MSME 1V8 XW202 RF 2 ADC SMPS3 MSME 1V8

SHORT-10L-0.1MM-SM
PP LDO6 RUIM 1V8 XW204 RF 2 ADC LDO6 RUIM 1V8

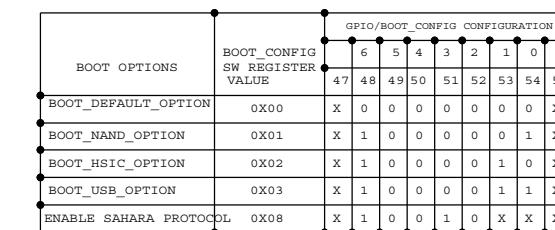
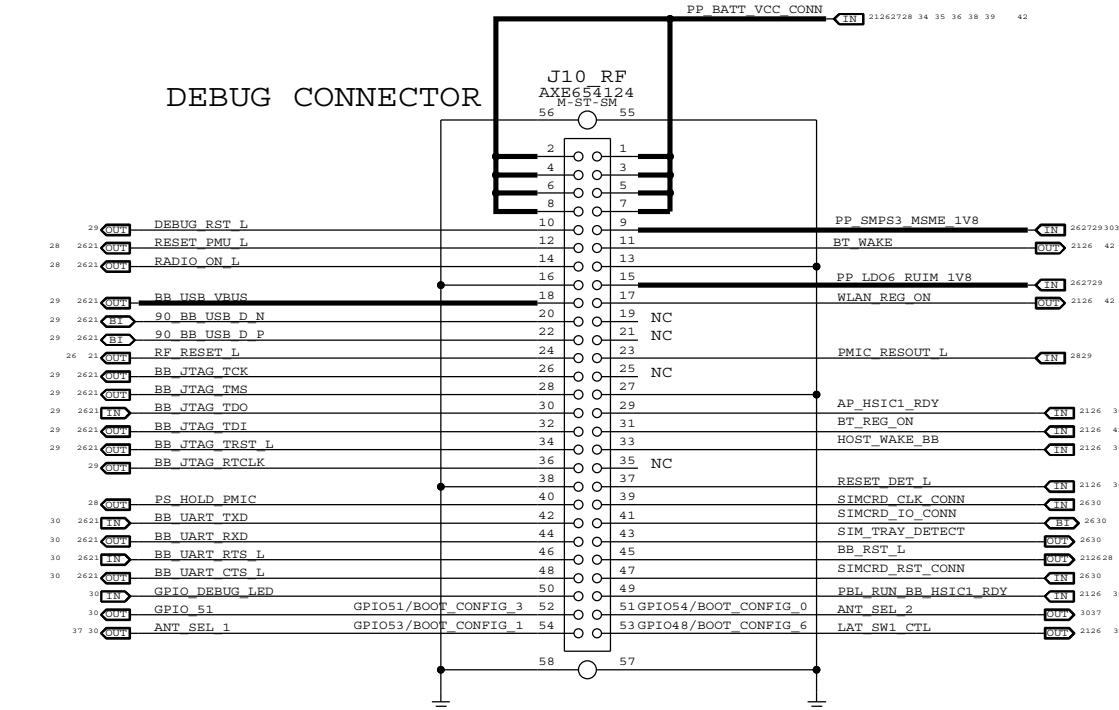
SHORT-10L-0.1MM-SM
PP LVS1 XW206 RF 2 ADC LVS1



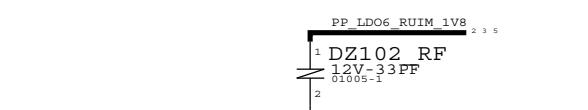
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DEBUG CONNECTOR

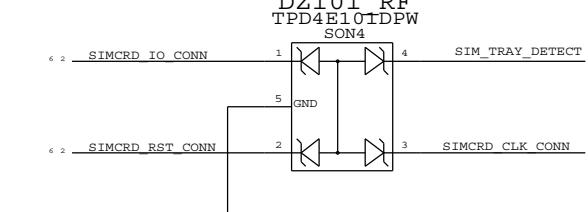


R R105
C C101
XWXW206
DZDZ101
U U101



DZ101_RF

TPD4E101DPW SON4



SYSTEM & DEBUG CONNECTORS		DRAWING NUMBER	SIZE		
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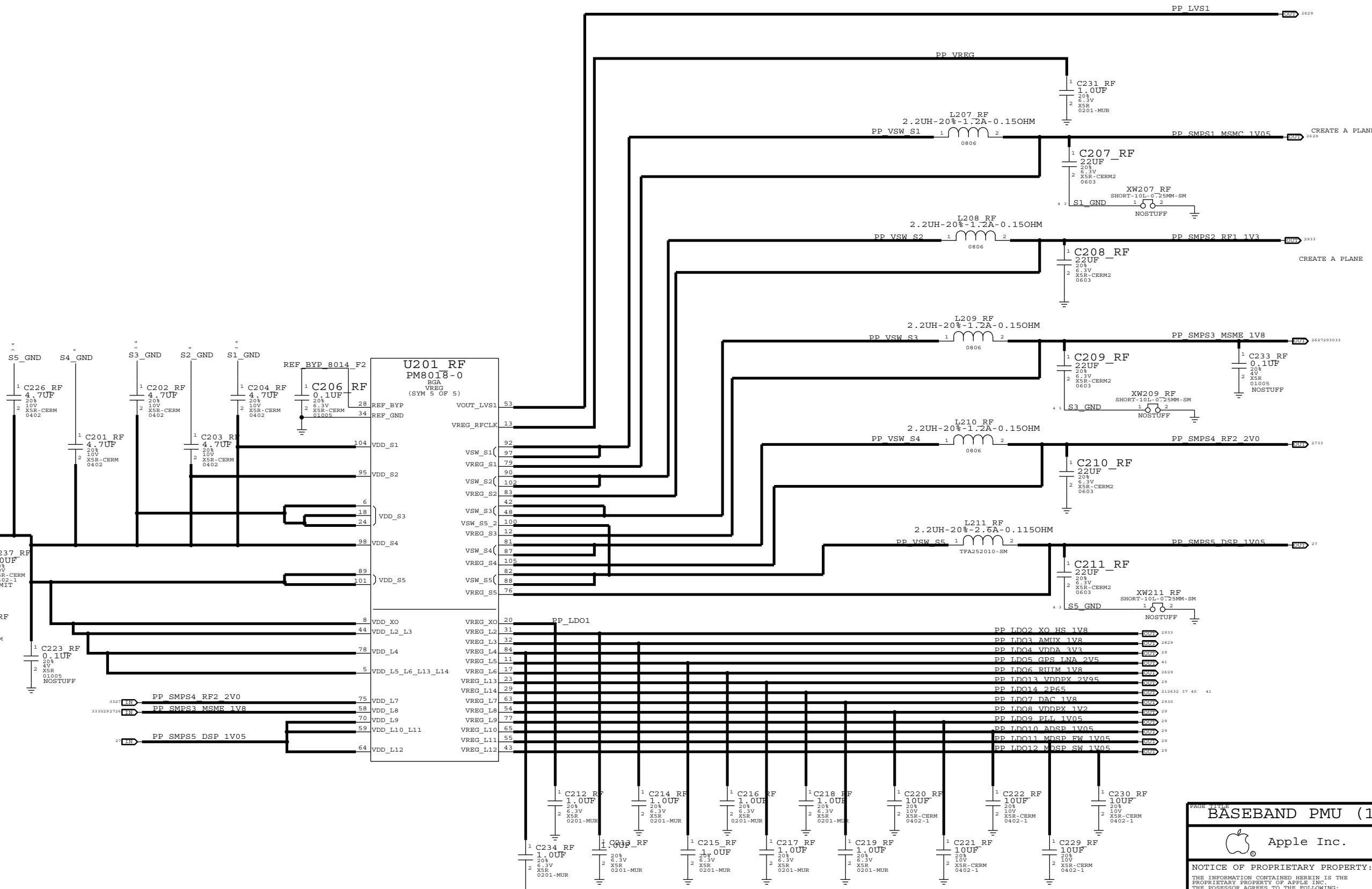
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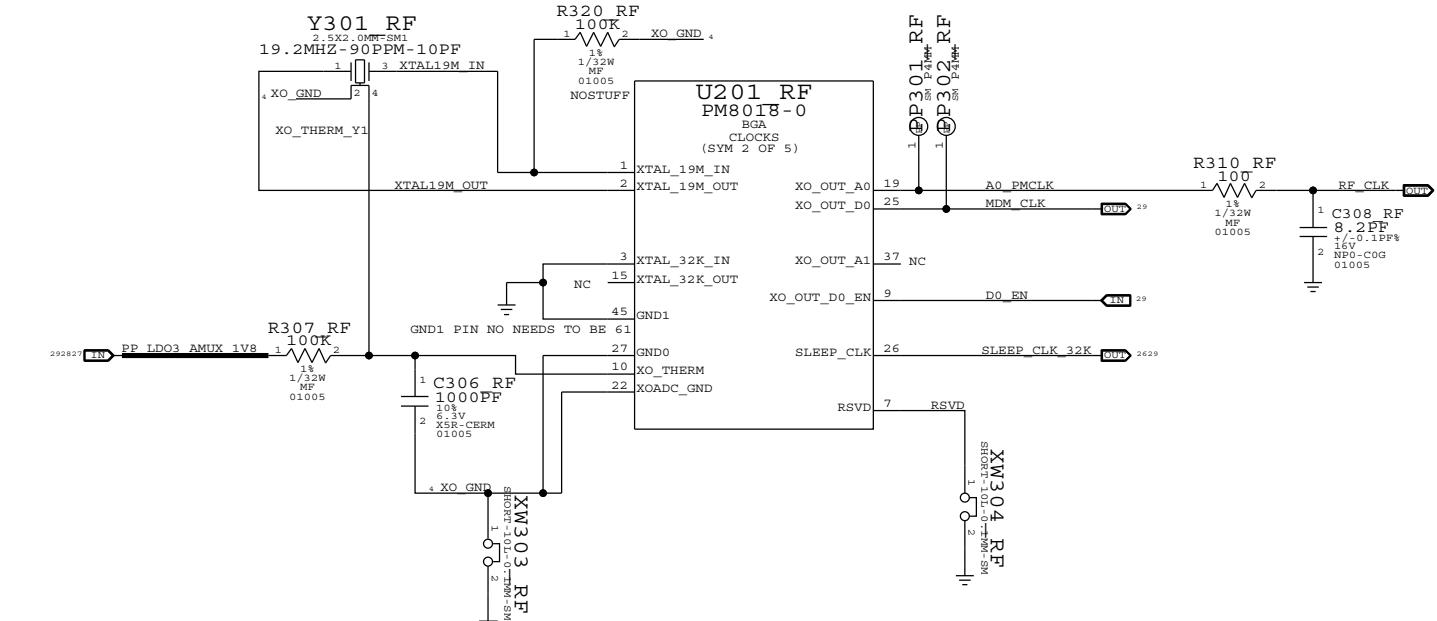
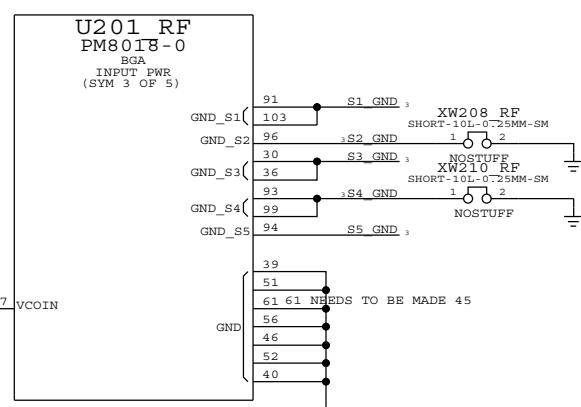
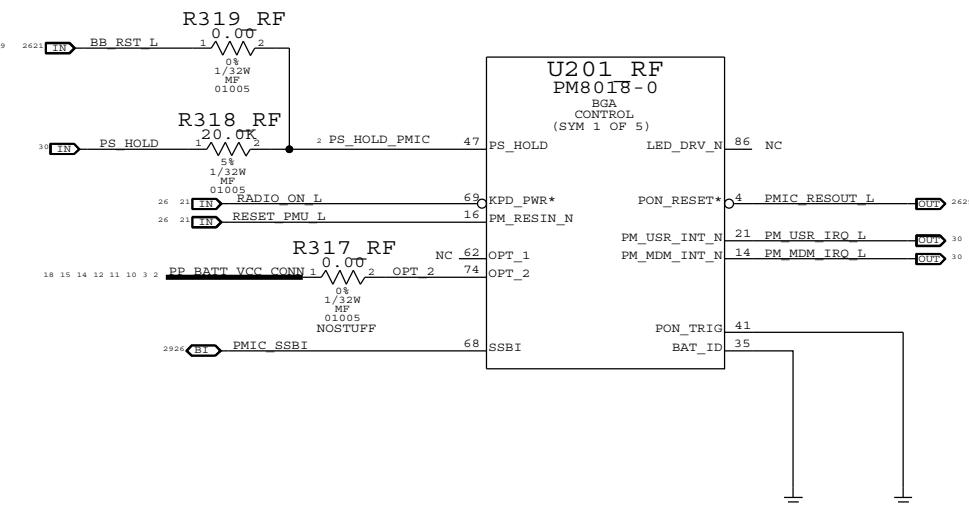
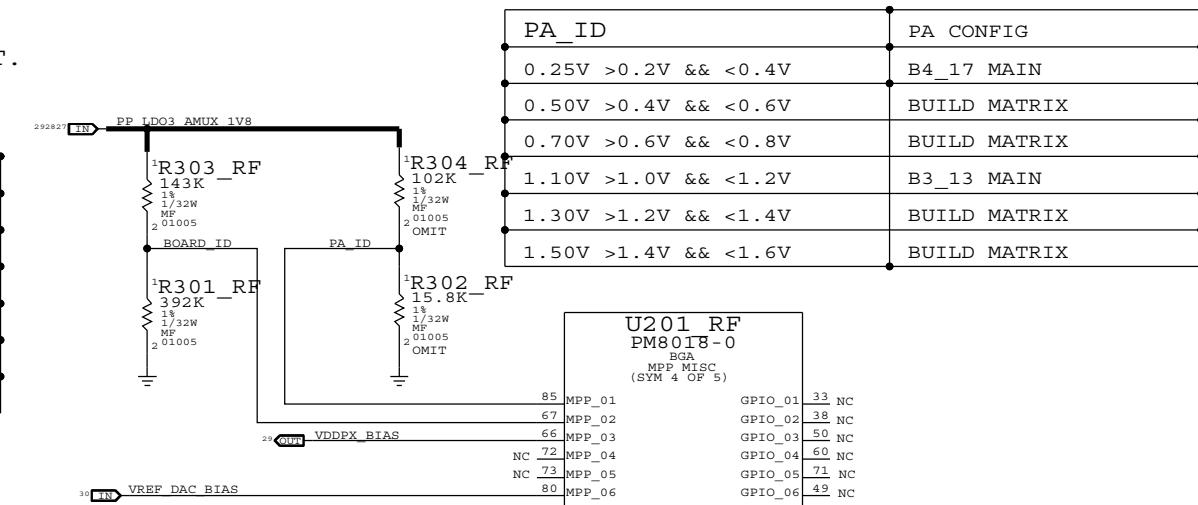
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BOARD_ID	REVISION
0.25V : >0.2V && <0.4V	PROTO1
0.50V : >0.4V && <0.6V	PROTO2
0.70V : >0.6V && <0.8V	PROTO3
0.90V : >0.8V && <1.0V	EVT1
1.10V : >1.0V && <1.2V	EVT2
1.30V : >1.2V && <1.4V	EVT3

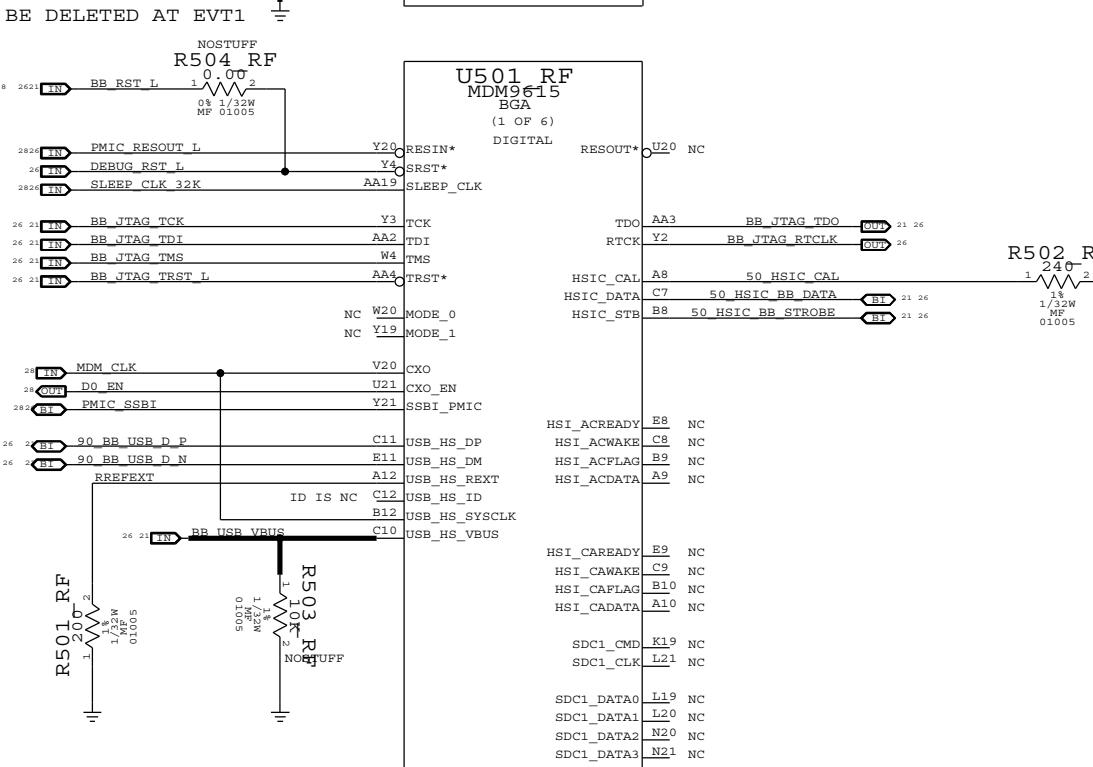
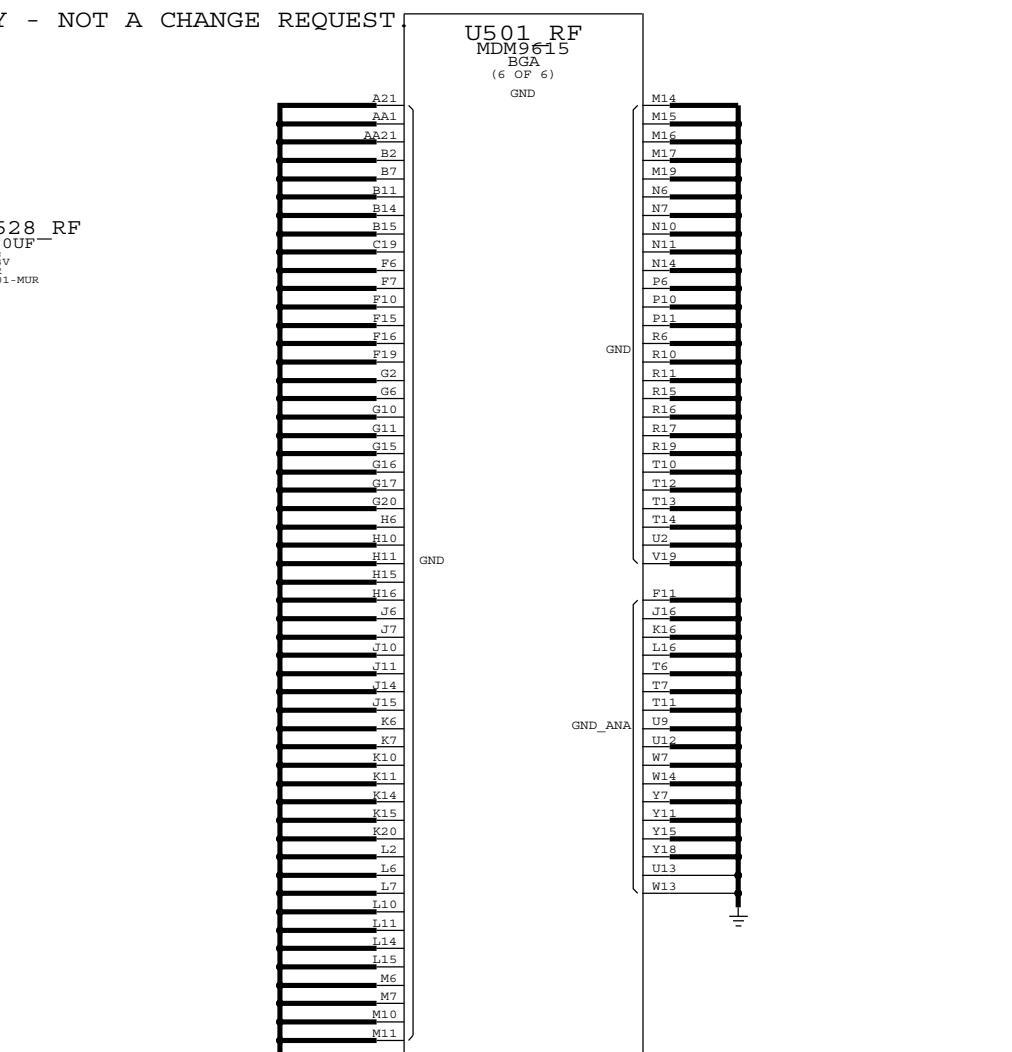
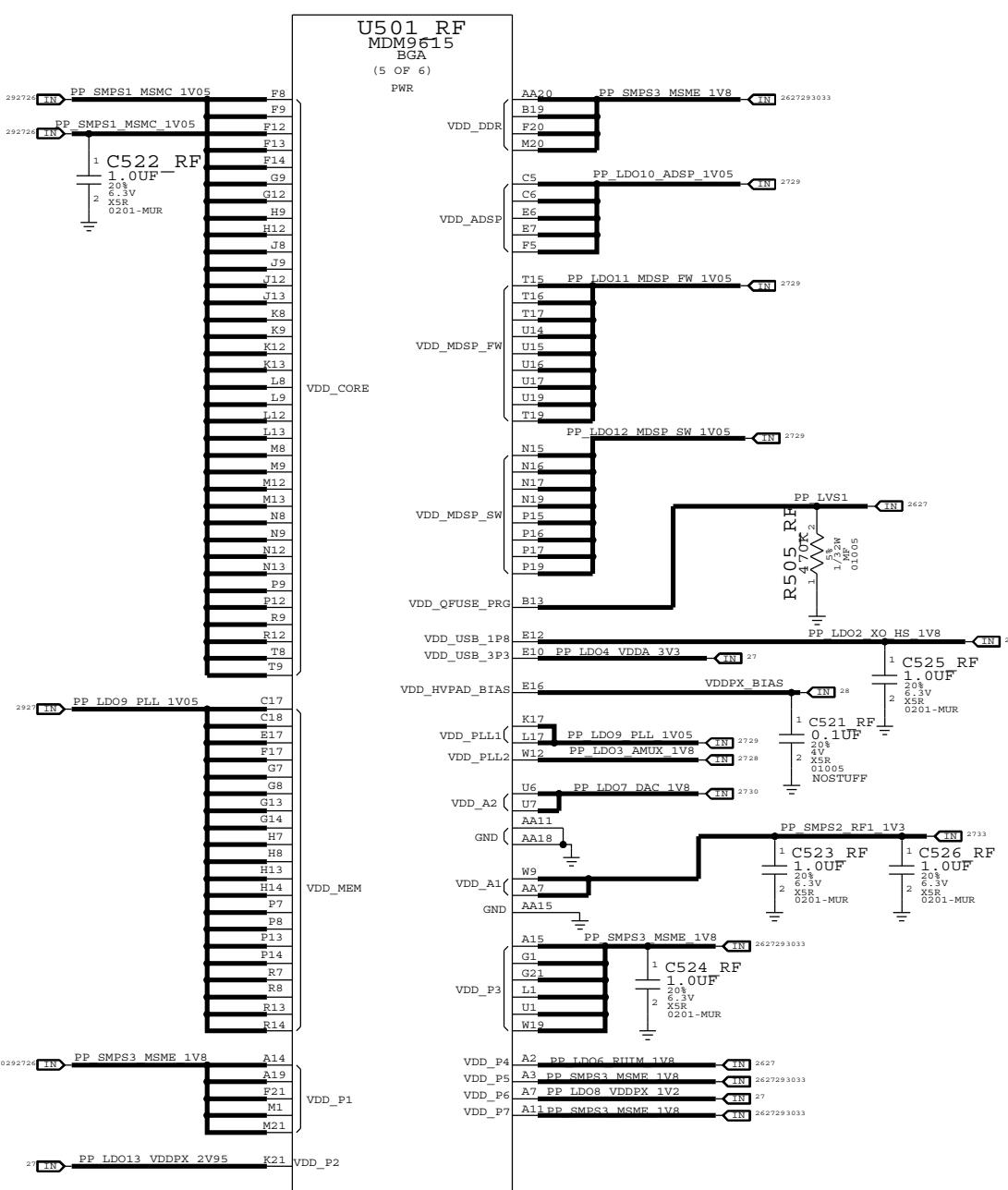
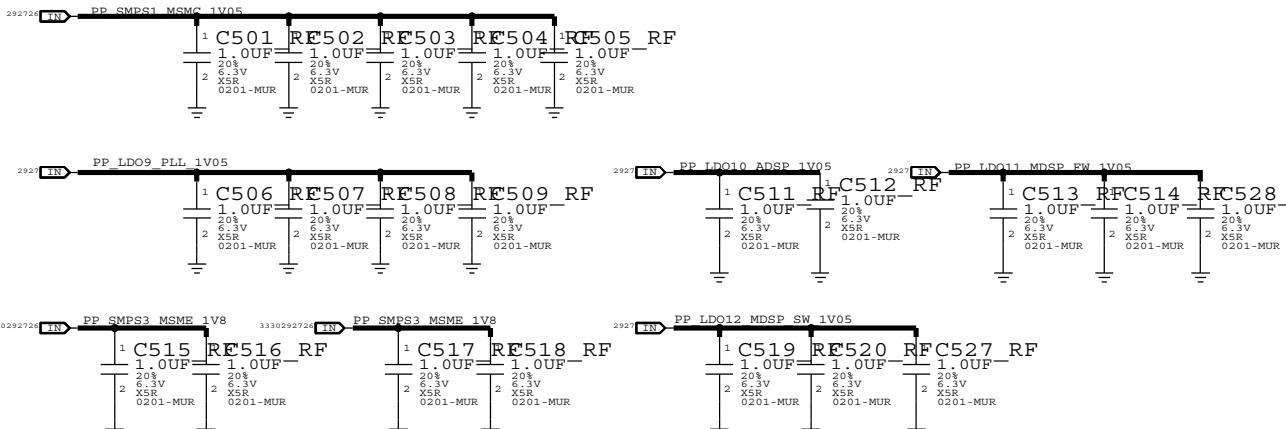


R R320
C C309
L LXXX
U U301
XW XW305

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R R502
C C528
L LXXX
II II501

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		SHEET 29 OF 51

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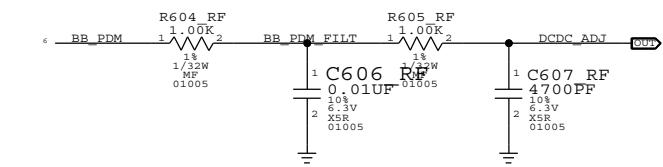
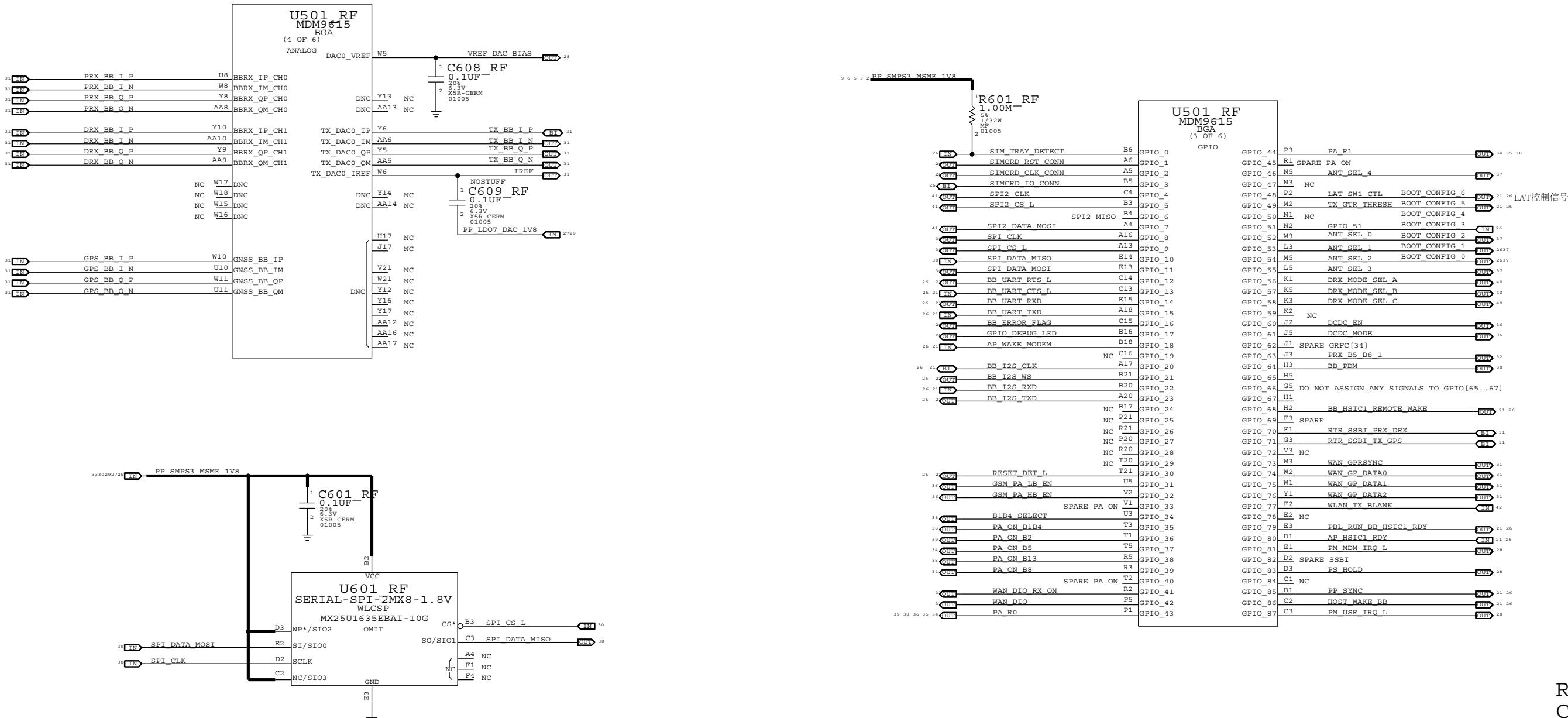
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R R608
C C609
L L601

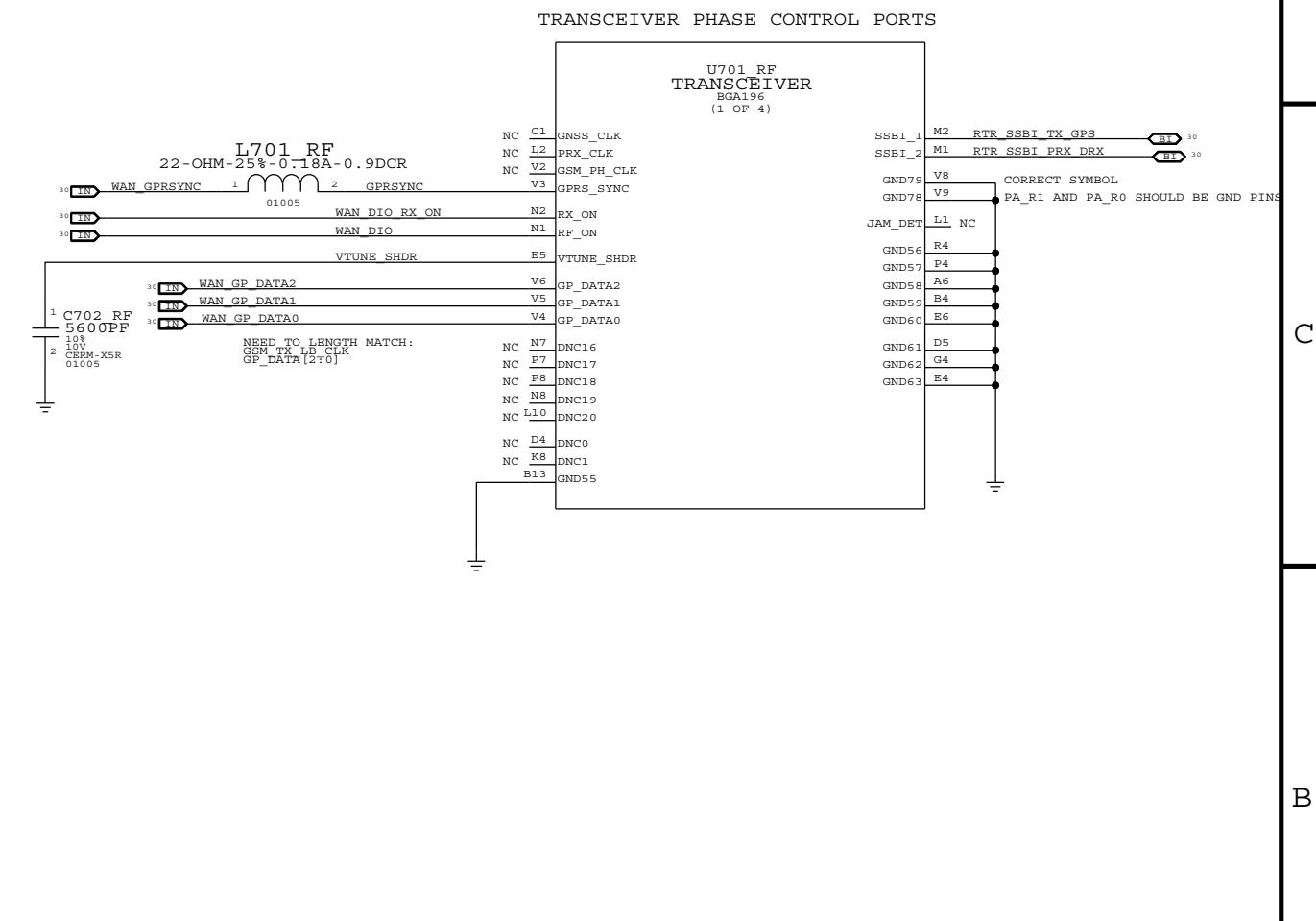
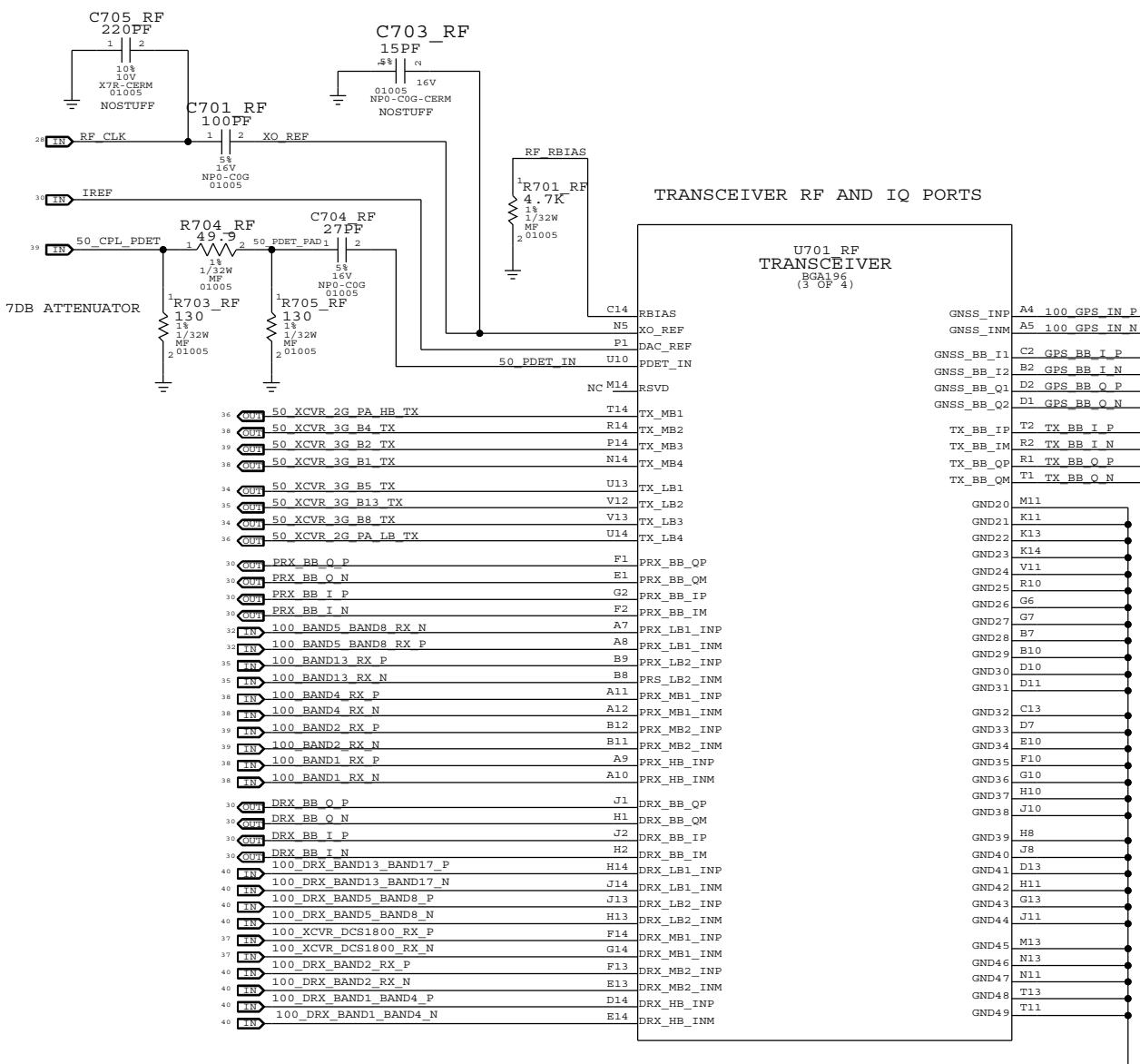


PAGE TITLE		MOBILE DATA MODEM (2 OF 2)	
DRAWING NUMBER		SIZE	
051-9113 D			
REVISION			
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BRANCH			
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RF TRANSCEIVER (1 OF 3)

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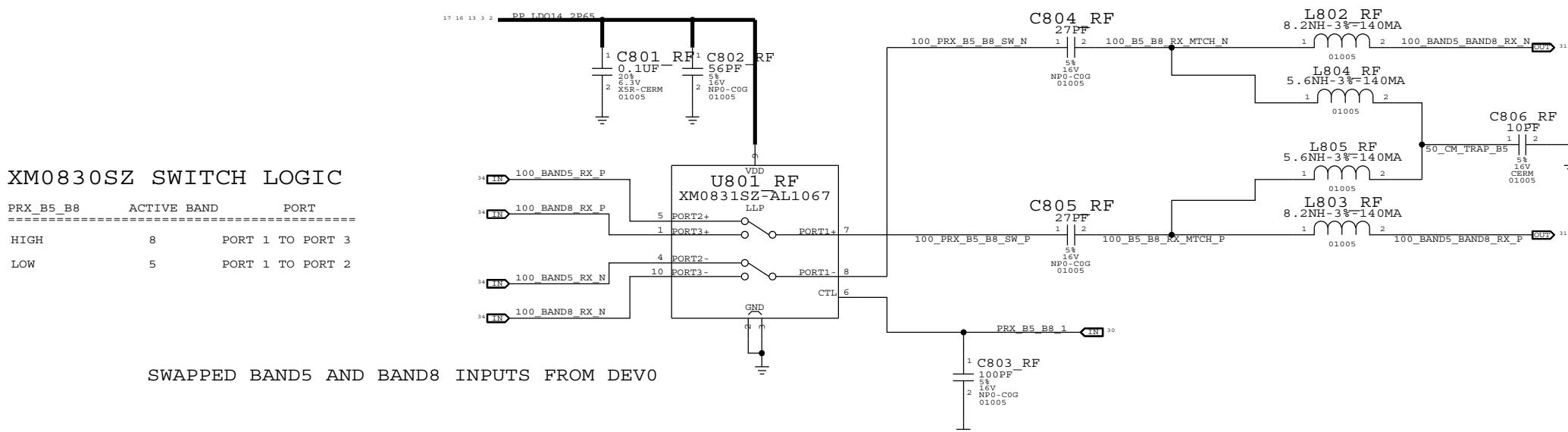
R R705
C C705
L L701
U U701

PAGE TITLE	RF TRANSCEIVER (1 OF 3)	
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		SIZE D
		REVISION 11.0.0
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RF TRANSCEIVER SWITCHING NETWORKS (2 OF 3)

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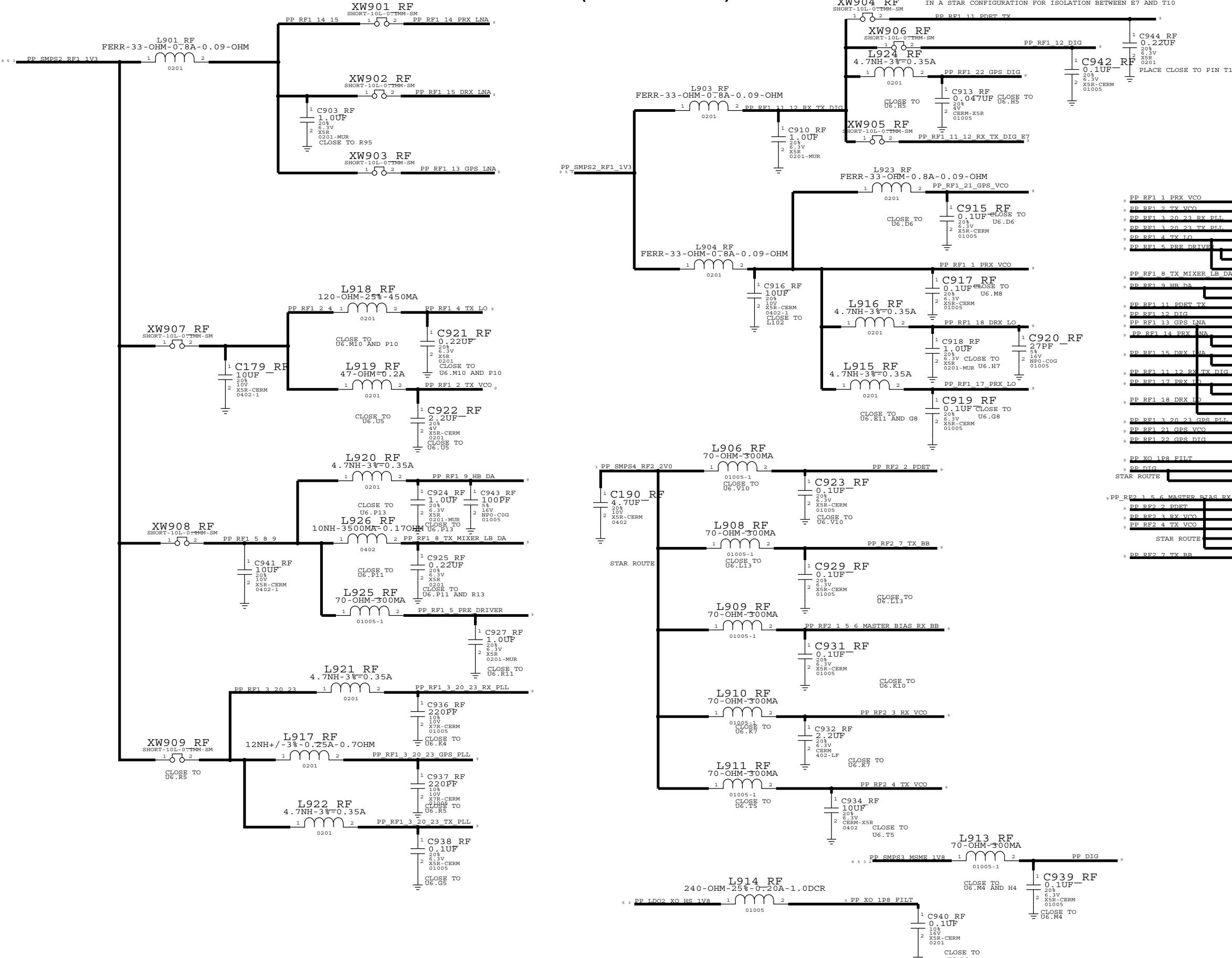
BAND 5/BAND 8 PRX TRANSCEIVER SWITCH



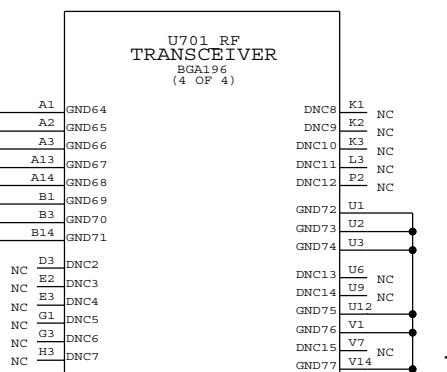
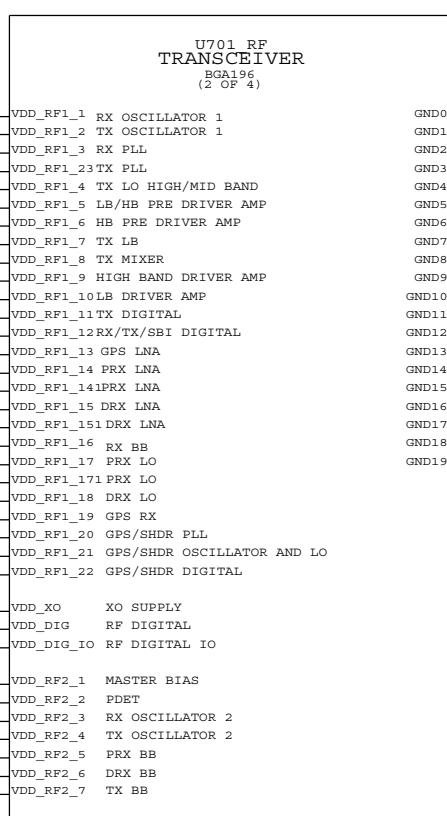
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C C806
L L803
U U801

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RF TRANSCEIVER DECOUPLING (3 OF 3)



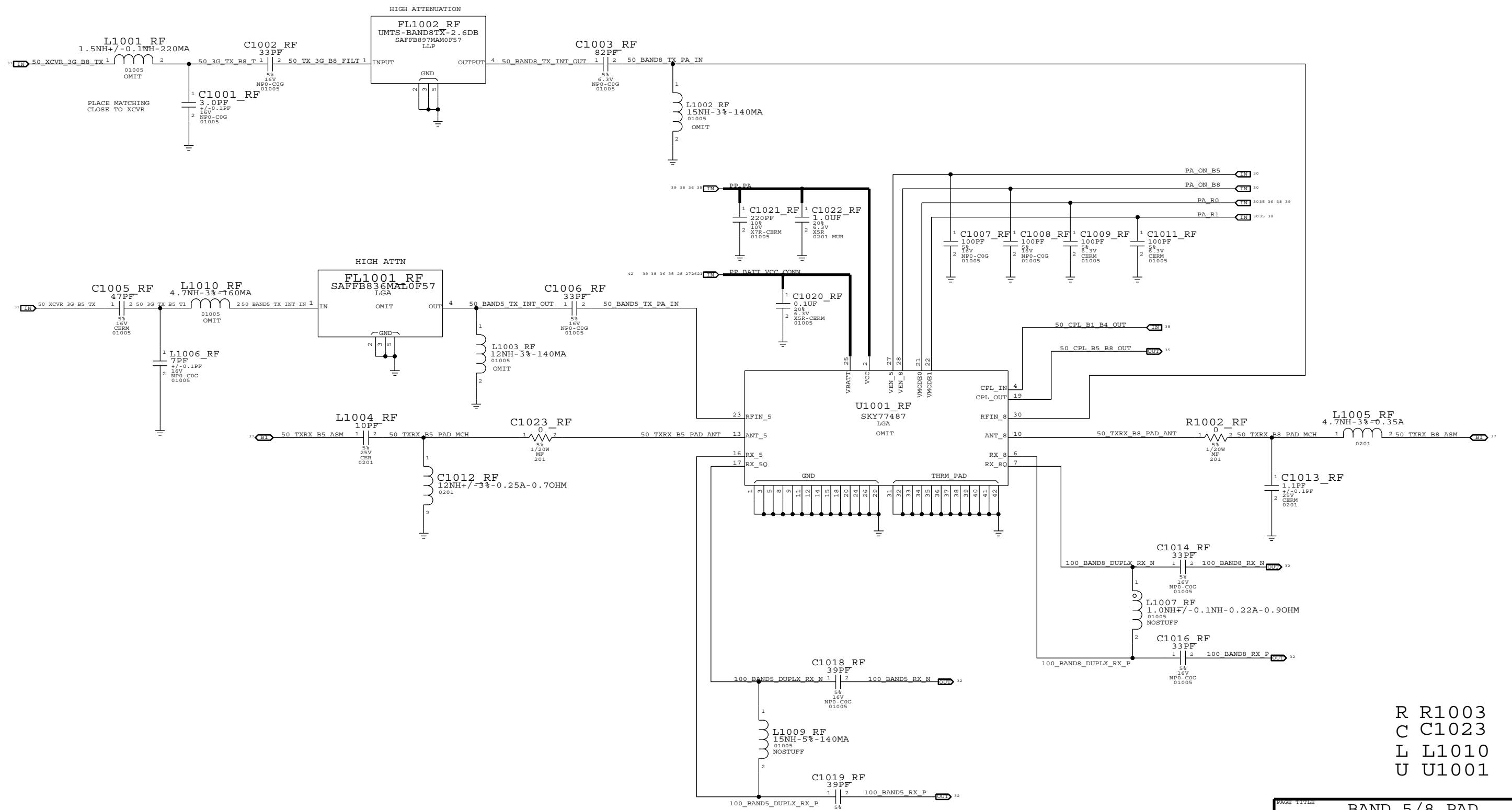
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BAND 5/8 PAD

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R R1003
C C1023
L L1010
U U1001

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B13/17 INTERSTAGE, PA, AND DUPLEXER

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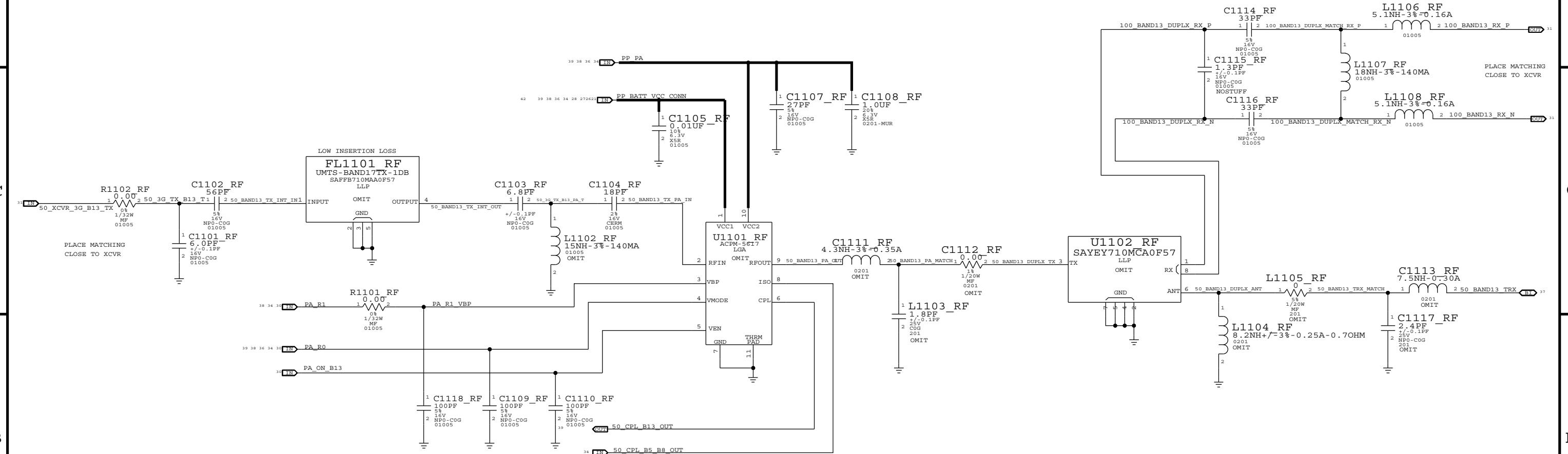
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PA POWER MODES

MODE	PA_R0	PA_R1
LOW	HIGH	HIGH
MEDIUM	LOW	HIGH
HIGH	LOW	LOW

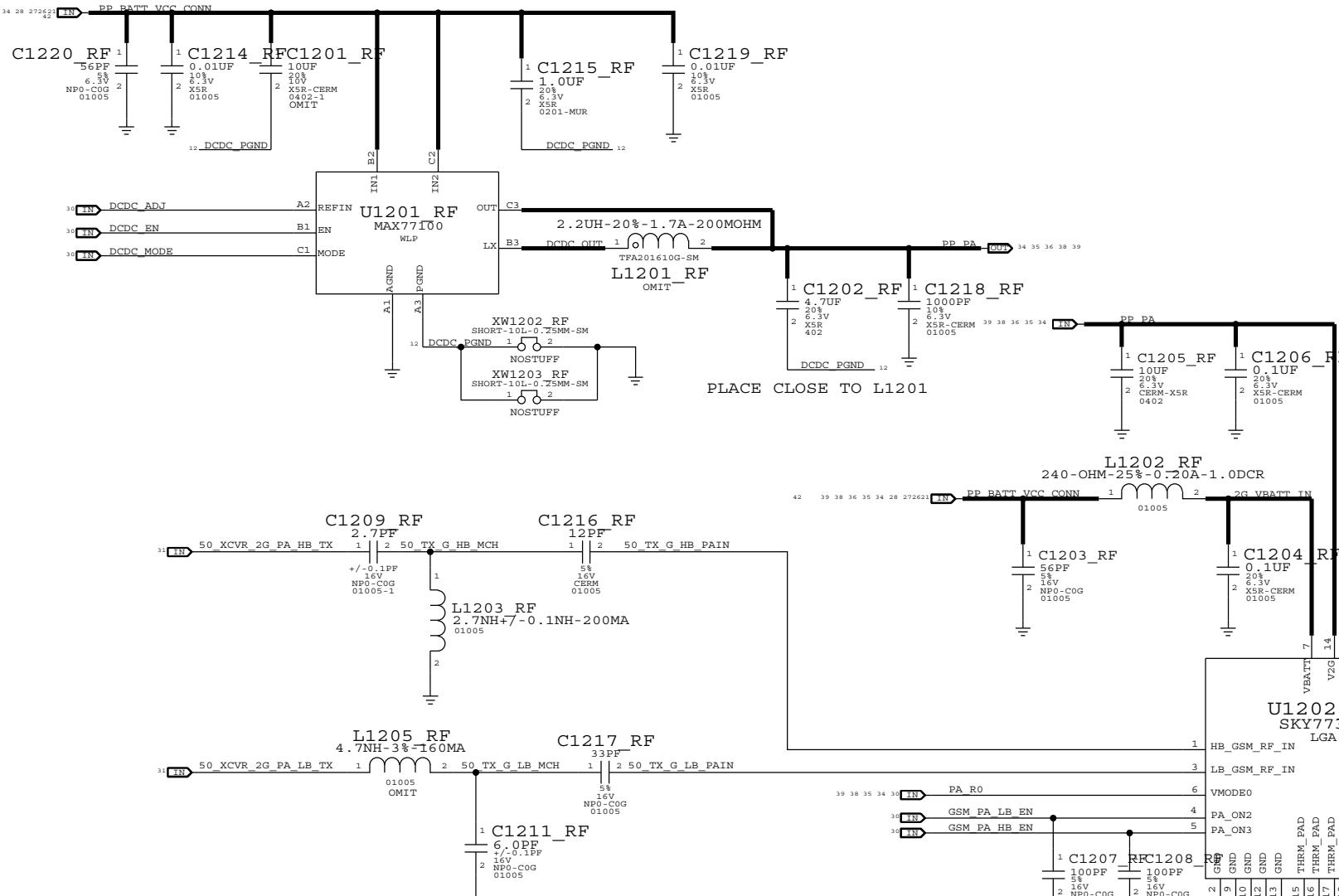


FLFL1101
 R R1102
 C C1118
 L L1108
 U U1102

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2G PA, PA DC/DC CONVERTER

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2G PA GAIN MODE

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

R R1209
C C1220
L L1207
U U1202

PAGE TITLE	2G PA, DCDC CONVERTER	
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ASM, DCS RX

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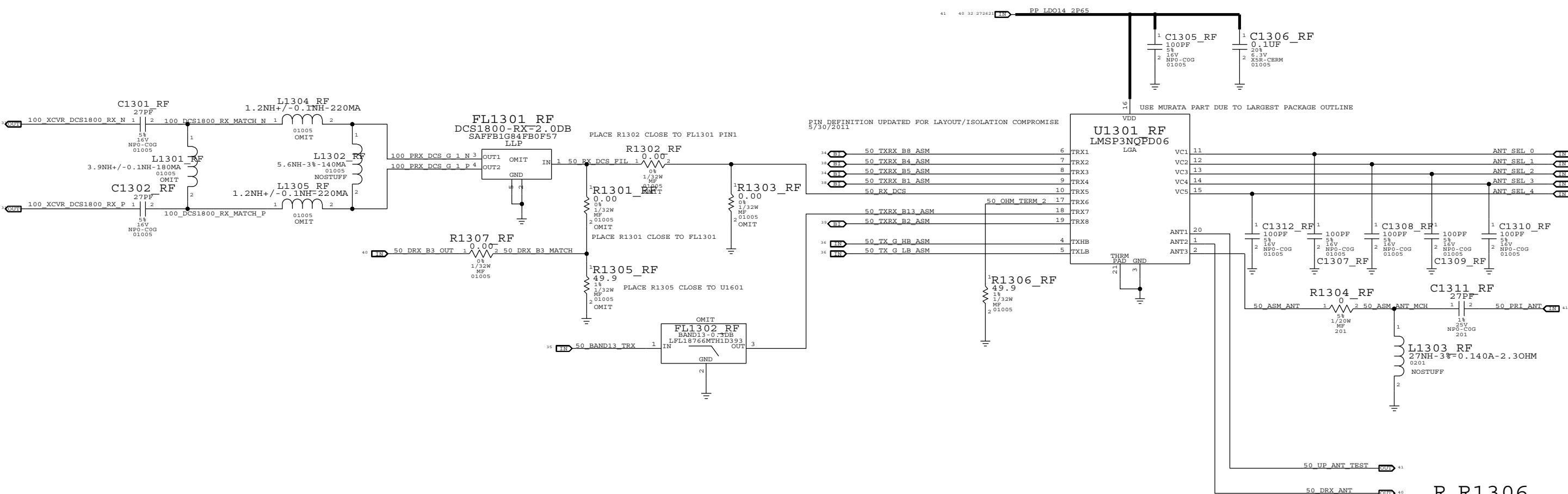
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R R1306
C C1312
L 1305
U U1301
FL FL1302

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BAND 1/4 PAD

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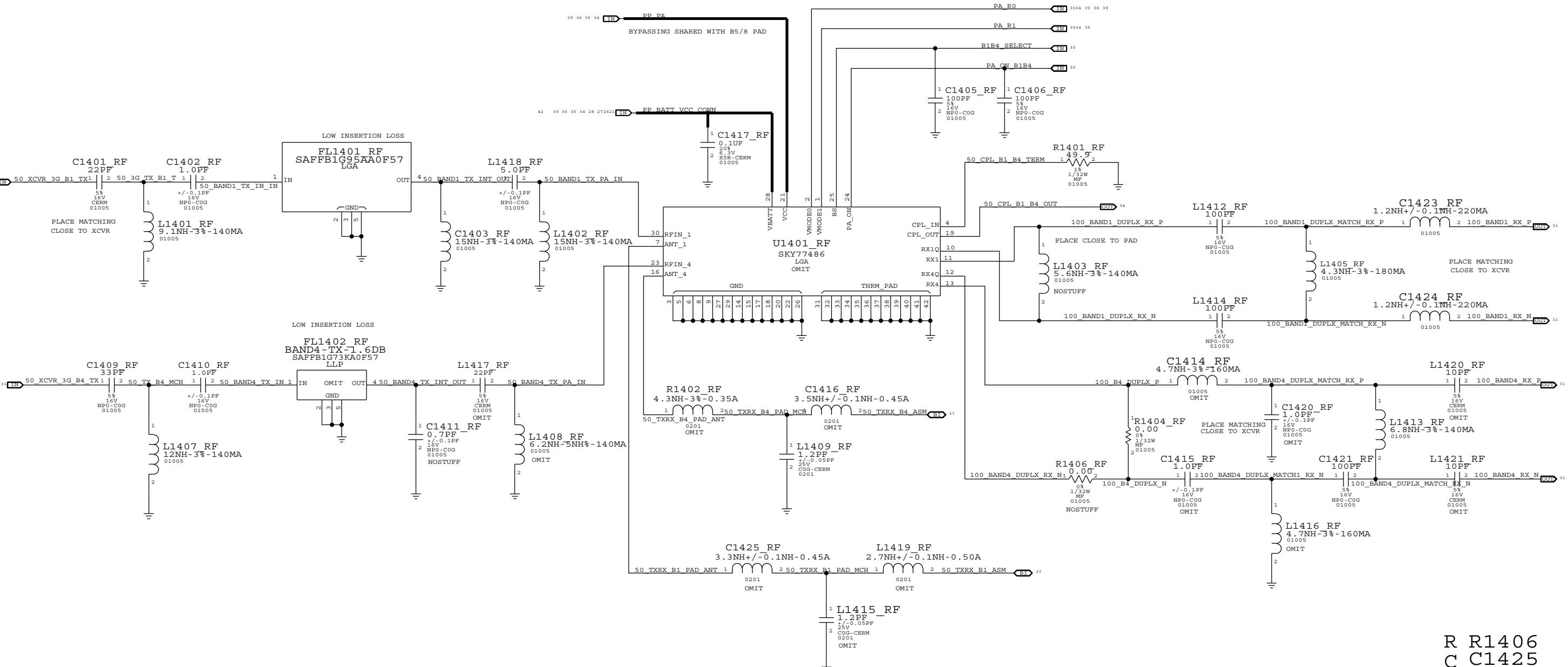
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R R1406

C C1425

L L1422

U U1401

FL FL1101

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BAND2 PAD

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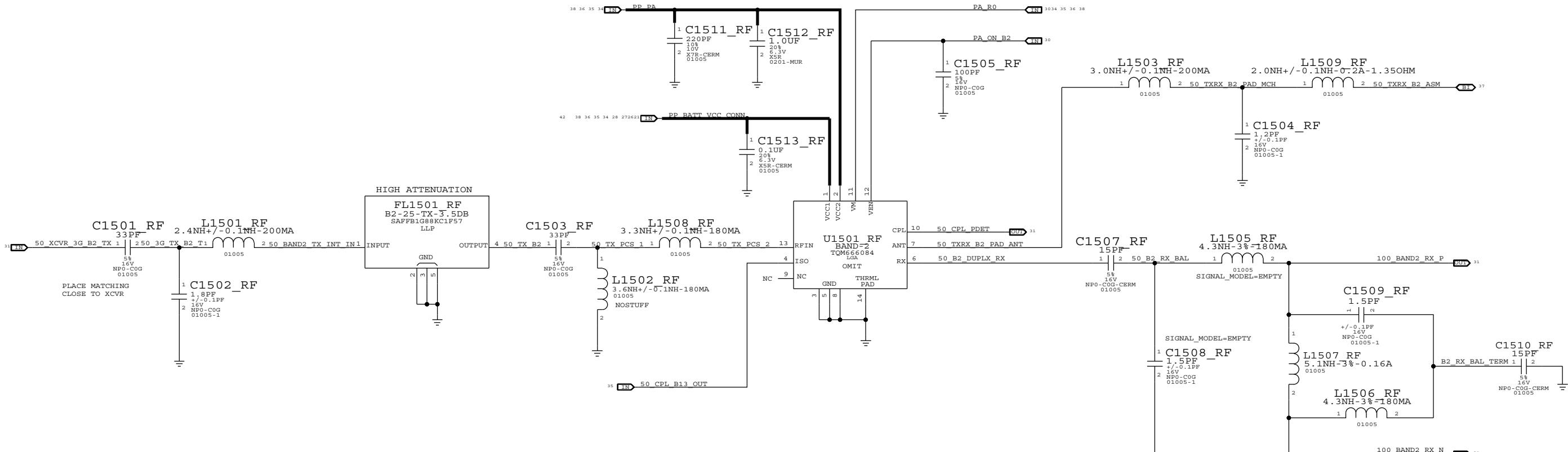
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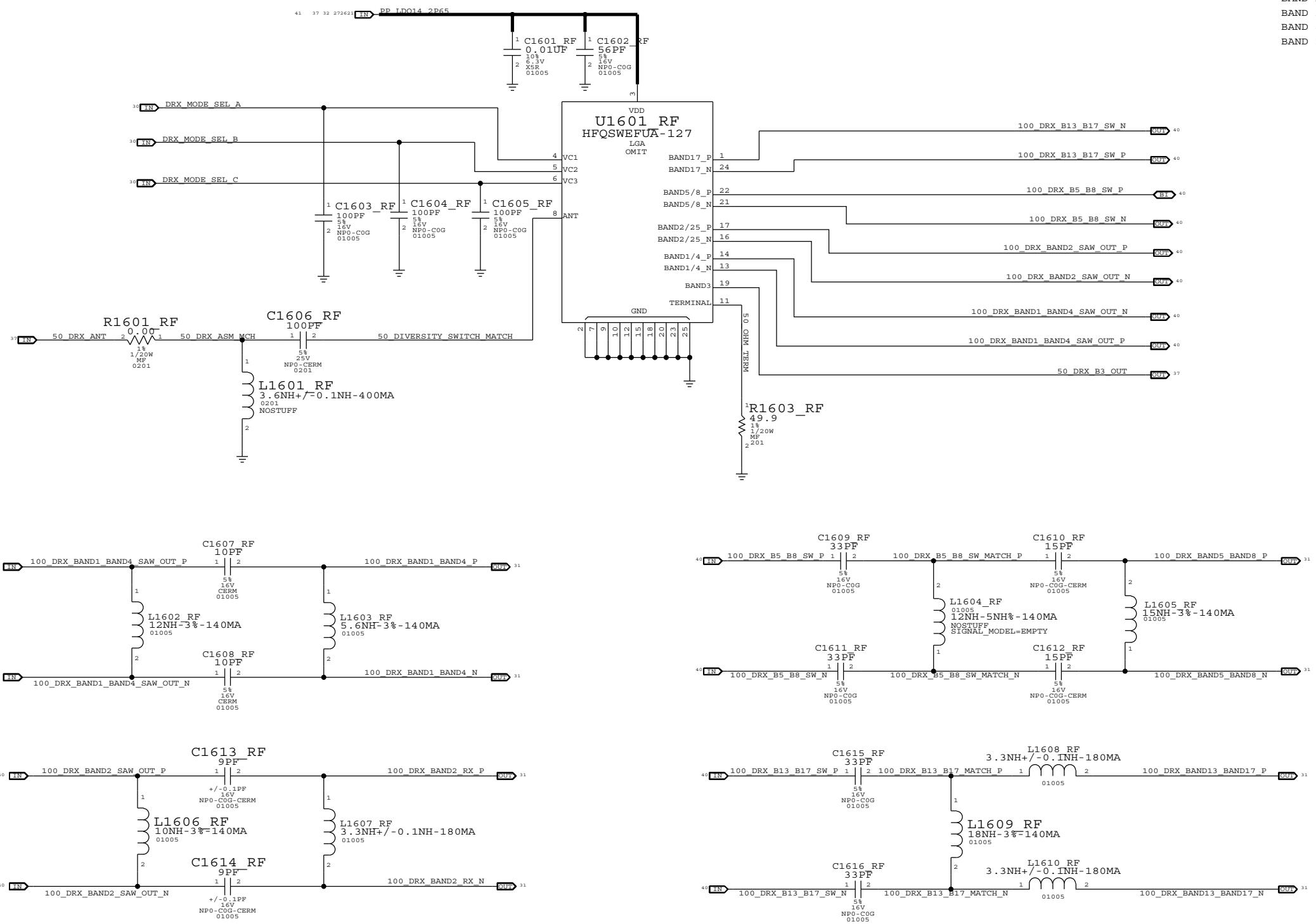


R R1501
C C1513
L L1509
U U1501
FL FL1501

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RX DIVERSITY

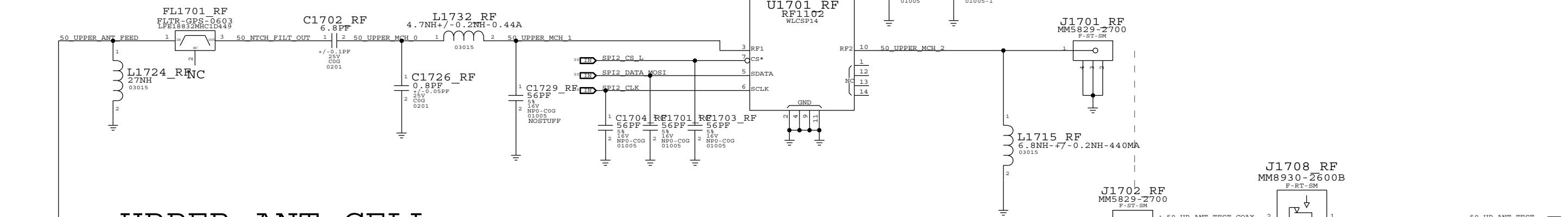
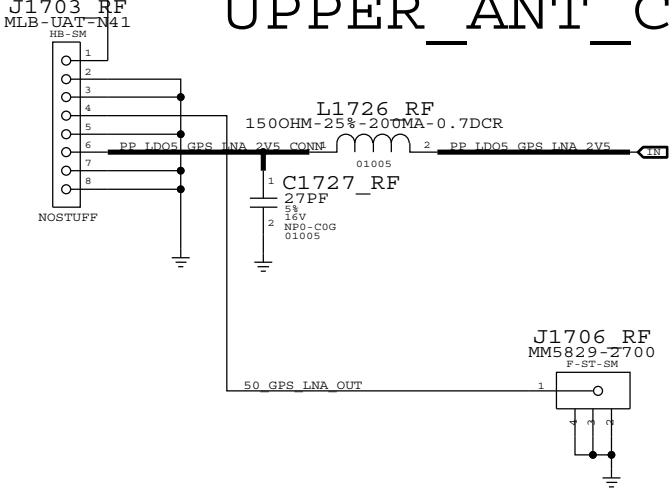
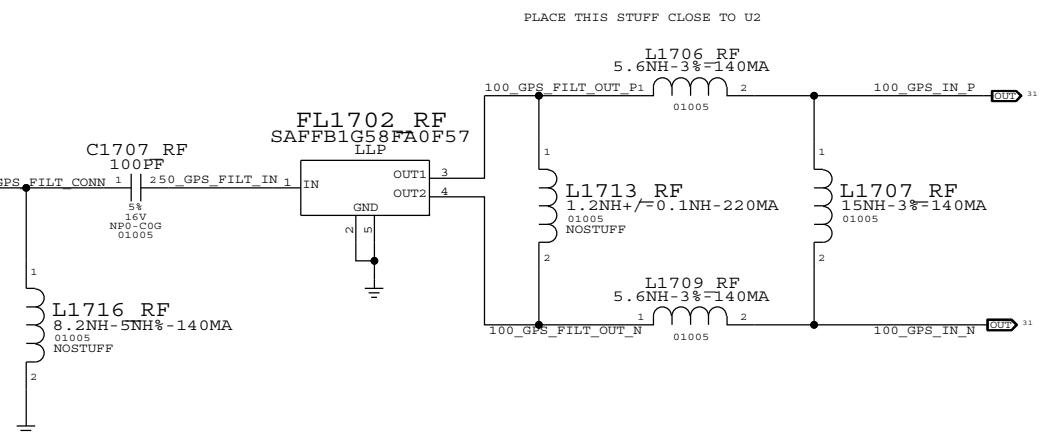
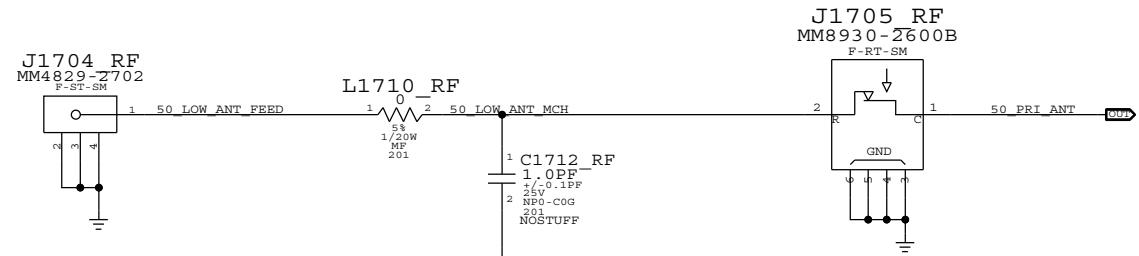
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C C1616
L L1610
U U1601

PAGE	TITLE	
RX DIVERSITY		
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8 7 6 5 4 3 2 1

GPS**UPPER_ANT_CELL****UPPER_ANT_GPS****LOWER_ANT**

R R1704
C C1729
L L1733
U U1703

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WLAN/BT

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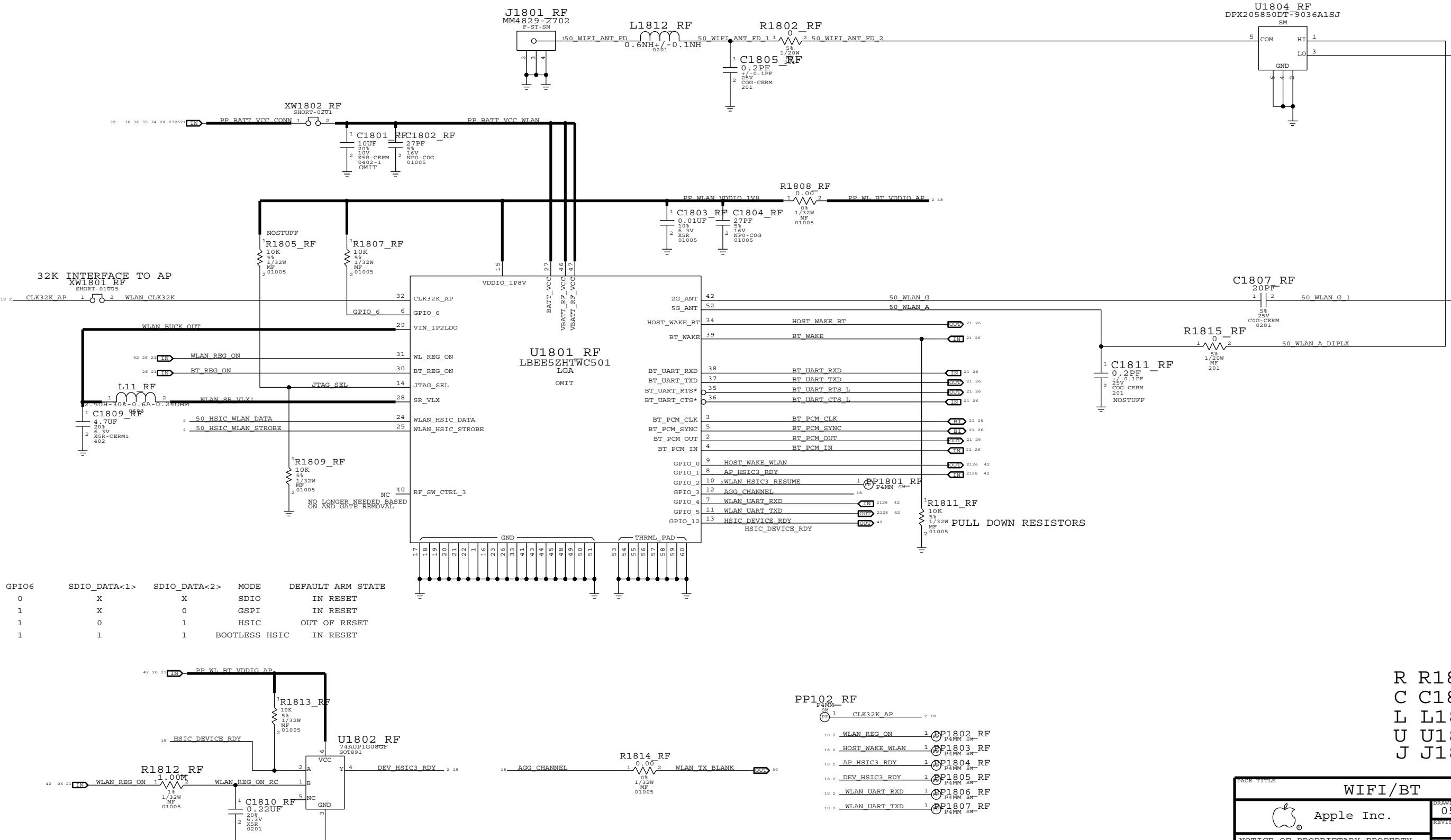
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R R1815
C C1811
L L1812
U U1802
J J1802

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RADIO BOM OPTIONS

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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 BANDSE/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

DIVERSITY 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	PL1301_RF	Y	B4_17
155S0729	1	BAND3 RX FIL	PL1301_RF	Y	B3_13
155S0695	1	THRU LINE	PL1302_RF	Y	B4_17
155S0722	1	BAND13 TX LPF	PL1302_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	49.90HM 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
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CUMULUS_VSTM_OUT<2>	CUMULUS_VSTM_OUT<2> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<3>	CUMULUS_VSTM_OUT<3> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<4>	CUMULUS_VSTM_OUT<4> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<5>	CUMULUS_VSTM_OUT<5> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<6>	CUMULUS_VSTM_OUT<6> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<7>	CUMULUS_VSTM_OUT<7> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<8>	CUMULUS_VSTM_OUT<8> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<9>	CUMULUS_VSTM_OUT<9> - @single_brd.lib.SINGLE_BRD	17C5
CUMULUS_VSTM_OUT<10>	CUMULUS_VSTM_OUT<10> - @single_brd.lib.SINGLE_BRD	17C5
CUMULUS_VSTM_OUT<11>	CUMULUS_VSTM_OUT<11> - @single_brd.lib.SINGLE_BRD	17B3 17C5
CUMULUS_VSTM_OUT<12>	CUMULUS_VSTM_OUT<12> - @single_brd.lib.SINGLE_BRD	17B3 17C5
CUMULUS_VSTM_OUT<13>	CUMULUS_VSTM_OUT<13> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<14>	CUMULUS_VSTM_OUT<14> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<15>	CUMULUS_VSTM_OUT<15> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<16>	CUMULUS_VSTM_OUT<16> - @single_brd.lib.SINGLE_BRD	17C3 17C5
CUMULUS_VSTM_OUT<17>	CUMULUS_VSTM_OUT<17> - @single_brd.lib.SINGLE_BRD	17B5 17C3
CUMULUS_VSTM_OUT<18>	CUMULUS_VSTM_OUT<18> - @single_brd.lib.SINGLE_BRD	17B5 17C3
CUMULUS_VSTM_OUT<19>	CUMULUS_VSTM_OUT<19> - @single_brd.lib.SINGLE_BRD	17B5 17C3
DDR0_VREF_CA	DDR0_VREF_CA - @single_brd.lib.SINGLE_BRD	4A7 4D6
DDR0_VREF_DQ	DDR0_VREF_DQ - @single_brd.lib.SINGLE_BRD	4A5 4D6
DDR0_ZQ	DDR0_ZQ - @single_brd.lib.SINGLE_BRD	4D6 4D6
DDR1_VREF_CA	DDR1_VREF_CA - @single_brd.lib.SINGLE_BRD	4A6 4D6
DDR1_VREF_DQ	DDR1_VREF_DQ - @single_brd.lib.SINGLE_BRD	4A4 4D6
DDR1_ZQ	DDR1_ZQ - @single_brd.lib.SINGLE_BRD	4D6 4D6
DEV_HSIC3_RDY	DEV_HSIC3_RDY - 3B5 21D1	
HOST_RESET	HOST_RESET - @single_brd.lib.RADIO_MLB(i594_page 19)	13A7 15B3
HOST_WAKE_BT	HOST_WAKE_BT - @single_brd.lib.SINGLE_BRD	13B6 21B4
DISCHARGE_R	DISCHARGE_R - 19B3	
DIS_CONTROL	DIS_CONTROL - @single_brd.lib.SINGLE_BRD	19B4
DIS_GATE	DIS_GATE - @single_brd.lib.SINGLE_BRD	19B4
DIS_NODE	DIS_NODE - @single_brd.lib.SINGLE_BRD	19A4
DIS_RC	DIS_RC - @single_brd.lib.SINGLE_BRD	19A5
DIS_RESET	DIS_RESET - 19B5	
DUMP_GATE	DUMP_GATE - 19B7	
DWI_AP_DI	DWI_AP_DI - 3D3 13B7	
EXT_MIC_BIAS	EXT_MIC_BIAS - 10C6	
EXT_MIC_BIAS_FILT	EXT_MIC_BIAS_FILT - 10B6	
EXT_MIC_BIAS_FILT_IN	EXT_MIC_BIAS_FILT_IN - 10B6	
EXT_MIC_BIAS_IN	EXT_MIC_BIAS_IN - 10C6	
EXT_MIC_CODEC_N	EXT_MIC_CODEC_N - 10C6	
EXT_MIC_CODEC_P	EXT_MIC_CODEC_P - 10C6	
EXT_MIC_CONN_N	EXT_MIC_CONN_N - 10B7	
EXT_MIC_CONN_P	EXT_MIC_CONN_P - 10A7	
EXT_MIC_N	EXT_MIC_N - 10C7	
EXT_MIC_P	EXT_MIC_P - 10C7	
E_ACC1	E_ACC1 - @single_brd.lib.SINGLE_BRD	15C4 16A3
E_ACC1_CONN	E_ACC1_CONN - 16B4 22B4	
E_ACC2	E_ACC2 - @single_brd.lib.SINGLE_BRD	15C4 16A3

E_ACC2_CONN	E_ACC2_CONN - @single_brd.lib.SINGLE_BRD	16B4 22B4
E_CONN_DETECT	E_CONN_DETECT - @single_brd.lib.SINGLE_BRD	16C4 22B5
E_CONN_TP	E_CONN_TP - @single_brd.lib.SINGLE_BRD	22B4
E_DETECT	E_DETECT - @single_brd.lib.SINGLE_BRD	13C2 15B4 16B2
FLASH_ENABLE	FLASH_ENABLE - @single_brd.lib.SINGLE_BRD	3B5 19C7
FMIO_ALE	FMIO_ALE - @single_brd.lib.SINGLE_BRD	6B7 6C3
FMIO_CEN0	FMIO_CEN0 - @single_brd.lib.SINGLE_BRD	6C3 6C8
FMIO_CLE	FMIO_CLE - @single_brd.lib.SINGLE_BRD	6B7 6C3
FMIO_DQVREF	FMIO_DQVREF - @single_brd.lib.SINGLE_BRD	6B3 6B6 6B6 6B7 6B7 6C5
FMIO_IO<0>	FMIO_IO<0> - @single_brd.lib.SINGLE_BRD	6B6 6C4 6C8
FMIO_IO<1>	FMIO_IO<1> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<2>	FMIO_IO<2> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<3>	FMIO_IO<3> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<4>	FMIO_IO<4> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<5>	FMIO_IO<5> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<6>	FMIO_IO<6> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_IO<7>	FMIO_IO<7> - @single_brd.lib.SINGLE_BRD	6C4 6C8
FMIO_WE_L	FMIO_WE_L - @single_brd.lib.SINGLE_BRD	6B7 6C3
FMII_ALE	FMII_ALE - @single_brd.lib.SINGLE_BRD	6B6 6C3
FMII_CEN0	FMII_CEN0 - @single_brd.lib.SINGLE_BRD	6C3 6C6
FMII_CLE	FMII_CLE - @single_brd.lib.SINGLE_BRD	6B6 6C3
FMII_DQE	FMII_DQE - @single_brd.lib.RADIO_MLB(i594_page 19)	
FMII_IO<0>	FMII_IO<0> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<1>	FMII_IO<1> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<2>	FMII_IO<2> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<3>	FMII_IO<3> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<4>	FMII_IO<4> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<5>	FMII_IO<5> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<6>	FMII_IO<6> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<7>	FMII_IO<7> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<8>	FMII_IO<8> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<9>	FMII_IO<9> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<10>	FMII_IO<10> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<11>	FMII_IO<11> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<12>	FMII_IO<12> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<13>	FMII_IO<13> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<14>	FMII_IO<14> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<15>	FMII_IO<15> - @single_brd.lib.SINGLE_BRD	6C5
FMII_IO<16>	FMII_IO<16> - @single_brd.lib.SINGLE_BRD	6C5
FORCE_DFU	FORCE_DFU - 3A7 22B8	
GCM_SEL	GCM_SEL - 17B2 17B5	
GRAPE_INT_L	GRAPE_INT_L - 3B7 17B8	
GRAPE_RESET_L	GRAPE_RESET_L - 3A7 17B7	
FMII_WE_L	FMII_WE_L - 6B6 6C3	
FORCE_DFU	FORCE_DFU - 3A7 22B8	
GCM_SEL	GCM_SEL - 17B2 17B5	
GRAPE_INT_L	GRAPE_INT_L - 3B7 17B8	
GRAPE_RESET_L	GRAPE_RESET_L - 3A7 17B7	
HOST_RESET	HOST_RESET - 13A7 15B3	
HOST_WAKE_BT	HOST_WAKE_BT - 13B6 21B4	
DISCHARGE_R	DISCHARGE_R - 19B3	
DIS_CONTROL	DIS_CONTROL - @single_brd.lib.SINGLE_BRD	19B4
DIS_GATE	DIS_GATE - @single_brd.lib.SINGLE_BRD	19B4
DIS_NODE	DIS_NODE - @single_brd.lib.SINGLE_BRD	19A4
DIS_RC	DIS_RC - @single_brd.lib.SINGLE_BRD	19A5
DIS_RESET	DIS_RESET - 19B5	
DUMP_GATE	DUMP_GATE - 19B7	
DWI_AP_DI	DWI_AP_DI - 3D3 13B7	
EXT_MIC_BIAS	EXT_MIC_BIAS - 10C6	
EXT_MIC_BIAS_FILT	EXT_MIC_BIAS_FILT - 10B6	
EXT_MIC_BIAS_FILT_IN	EXT_MIC_BIAS_FILT_IN - 10B6	
EXT_MIC_BIAS_IN	EXT_MIC_BIAS_IN - 10C6	
EXT_MIC_CODEC_N	EXT_MIC_CODEC_N - 10C6	
EXT_MIC_CODEC_P	EXT_MIC_CODEC_P - 10C6	
EXT_MIC_CONN_N	EXT_MIC_CONN_N - 10B7	
EXT_MIC_CONN_P	EXT_MIC_CONN_P - 10A7	
EXT_MIC_N	EXT_MIC_N - 10C7	
EXT_MIC_P	EXT_MIC_P - 10C7	
DEV_HSIC3_RDY	DEV_HSIC3_RDY - 3B5 21D1	
HOST_RESET	HOST_RESET - @single_brd.lib.SINGLE_BRD	13A7 15B3
HOST_WAKE_BT	HOST_WAKE_BT - @single_brd.lib.SINGLE_BRD	13B6 21B4
DISCHARGE_R	DISCHARGE_R - 19B3	
DIS_CONTROL	DIS_CONTROL - @single_brd.lib.SINGLE_BRD	19B4
DIS_GATE	DIS_GATE - @single_brd.lib.SINGLE_BRD	19B4
DIS_NODE	DIS_NODE - @single_brd.lib.SINGLE_BRD	19A4
DIS_RC	DIS_RC - @single_brd.lib.SINGLE_BRD	19A5
DIS_RESET	DIS_RESET - 19B5	
DUMP_GATE	DUMP_GATE - 19B7	
DWI_AP_DI	DWI_AP_DI - 3D3 13B7	
EXT_MIC_BIAS	EXT_MIC_BIAS - 10C6	
EXT_MIC_BIAS_FILT	EXT_MIC_BIAS_FILT - 10B6	
EXT_MIC_BIAS_FILT_IN	EXT_MIC_BIAS_FILT_IN - 10B6	
EXT_MIC_BIAS_IN	EXT_MIC_BIAS_IN - 10C6	
EXT_MIC_CODEC_N	EXT_MIC_CODEC_N - 10C6	
EXT_MIC_CODEC_P	EXT_MIC_CODEC_P - 10C6	
EXT_MIC_CONN_N	EXT_MIC_CONN_N - 10B7	
EXT_MIC_CONN_P	EXT_MIC_CONN_P - 10A7	
EXT_MIC_N	EXT_MIC_N - 10C7	
EXT_MIC_P	EXT_MIC_P - 10C7	
E_ACC1	E_ACC1 - @single_brd.lib.SINGLE_BRD	15C4 16A3
E_ACC1_CONN	E_ACC1_CONN - 16B4 22B4	
E_ACC2	E_ACC2 - @single_brd.lib.SINGLE_BRD	15C4 16A3

HS4_REF_CONN	HS4_REF_CONN - @single_brd.lib.SINGLE_BRD	16C4 16D5

</tbl_r

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C

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NEG_SWITCH	NEG_SWITCH - @single_brd_lib.SINGLE_BRD	19D3
NTC_CAM_N	NTC_CAM_N - @single_brd_lib.SINGLE_BRD	12A6
NTC_CAM_P	NTC_CAM_P - @single_brd_lib.SINGLE_BRD	12A6 12B7
NTC_FOREHEAD_N	NTC_FOREHEAD_N - @single_brd_lib.SINGLE_BRD	12A8
NTC_FOREHEAD_P	NTC_FOREHEAD_P - @single_brd_lib.SINGLE_BRD	12A7 12B7
NTC_HSP_N	NTC_HSP_N - @single_brd_lib.SINGLE_BRD	12A5
NTC_HSP_P	NTC_HSP_P - @single_brd_lib.SINGLE_BRD	12A5 12B7
NTC_PA_N	NTC_PA_N - @single_brd_lib.SINGLE_BRD	12A4
NTC_PA_P	NTC_PA_P - @single_brd_lib.SINGLE_BRD	12A4 12B7
OSC32I	OSC32I - @single_brd_lib.SINGLE_BRD	12B6
OSC32O	OSC32O - @single_brd_lib.SINGLE_BRD	12A6
OVP_GATE	OVP_GATE - @single_brd_lib.SINGLE_BRD	16B7
OVP_SW_EN_L	OVP_SW_EN_L - @single_brd_lib.SINGLE_BRD	15B4 16B8
PBL_RUN_BB_HSIC1_RDY	PBL_RUN_BB_HSIC1_RDY - @single_brd_lib.SINGLE_BRD	3A7 21D4
PBL_RUN_BB_HSIC1_RDY	PBL_RUN_BB_HSIC1_RDY - @single_brd_lib.RADIO_MLB(i594_page)	26B6 26C1 26D8 30B2
PMU_ADC_IN7	PMU_ADC_IN7 - @single_brd.lib.SINGLE_BRD	13C3 13C6
PMU_AMUX_AY	PMU_AMUX_AY - @single_brd.lib.SINGLE_BRD	13C6 13D5 22C8
PMU_AMUX_AY_CTRL	PMU_AMUX_AY_CTRL - @single_brd.lib.SINGLE_BRD	3C5 13D7
PMU_AMUX_AY_R	PMU_AMUX_AY_R - @single_brd.lib.SINGLE_BRD	13D6
PMU_AMUX_BY	PMU_AMUX_BY - @single_brd.lib.SINGLE_BRD	13B6 13D5 22C8
PMU_AMUX_BY_CTRL	PMU_AMUX_BY_CTRL - @single_brd.lib.SINGLE_BRD	3B5 13D7
PMU_AMUX_BY_R	PMU_AMUX_BY_R - @single_brd.lib.SINGLE_BRD	13D6
PMU_DWI_CLK	PMU_DWI_CLK - @single_brd.lib.SINGLE_BRD	13B6
PMU_DWI_DI	PMU_DWI_DI - @single_brd.lib.SINGLE_BRD	13B6
PMU_DWI_DO	PMU_DWI_DO - @single_brd.lib.SINGLE_BRD	13B6
PMU_IRO_L	PMU_IRO_L - @single_brd.lib.SINGLE_BRD	3B7 13B6
PMU_RESET_IN	PMU_RESET_IN - @single_brd.lib.SINGLE_BRD	13B6
PNSV7_LCM_AVDDN_CONN	PNSV7_LCM_AVDDN_CONN - @single_brd.lib.SINGLE_BRD	18C4
PNSV7_SAGE_AVDDN	PNSV7_SAGE_AVDDN - @single_brd.lib.SINGLE_BRD	17A5 17D4 18D1 19B8 19D1
PP1V0	PP1V0 - @single_brd.lib.SINGLE_BRD	2C7 2D3 7B4 7D5 12A4
PP1V0_SRAM	PP1V0_SRAM - @single_brd.lib.SINGLE_BRD	5C7 12A4
PP1V1_CPU0	PP1V1_CPU0 - @single_brd.lib.SINGLE_BRD	5D8 12D5
PP1V1_CPU0_FET	PP1V1_CPU0_FET - @single_brd.lib.SINGLE_BRD	12D4
PP1V1_CPU1	PP1V1_CPU1 - @single_brd.lib.SINGLE_BRD	5C8 12D3
PP1V1_CPU1_FET	PP1V1_CPU1_FET - @single_brd.lib.SINGLE_BRD	12D2
PP1V1_CPU2	PP1V1_CPU2 - @single_brd.lib.SINGLE_BRD	5D8 12D1
PP1V1_SOC	PP1V1_SOC - @single_brd.lib.SINGLE_BRD	5D4 12C2
PP1V2	PP1V2 - @single_brd.lib.SINGLE_BRD	2C6 4A6 4C7 4D3 12B5
PP1V2_CAMO_CONN	PP1V2_CAMO_CONN - @single_brd.lib.SINGLE_BRD	20B5
PP1V2_SDRAM	PP1V2_SDRAM - @single_brd.lib.SINGLE_BRD	4A8 4D7 4D8 12B7 12C1
PP1V7_VA_DAC	PP1V7_VA_DAC - @single_brd.lib.SINGLE_BRD	12B4 14D4
PP1V8	PP1V8 - @single_brd.lib.SINGLE_BRD	2B7 2C3 2D7 3C7 3C7 3D2 3D2 4B3 5A7 5B5 6B6 6B7 6C8 6D1 7B2 7D1 7D2 10D6 10D6 11C2 12B1 12B5 13A4 13D6 14B3 14B5 17D2 18B1 18C1 20B7 20C7
PP1V8_ALWAYS	PP1V8_ALWAYS - @single_brd.lib.SINGLE_BRD	3A4 12A5
PP1V8_CAMO_CONN	PP1V8_CAMO_CONN - @single_brd.lib.SINGLE_BRD	20C5
PP1V8_CMO_REG	PP1V8_CMO_REG - @single_brd.lib.SINGLE_BRD	20B7
PP1V8_CAM1_CONN	PP1V8_CAM1_CONN - @single_brd.lib.SINGLE_BRD	11C4
PP1V8_COMP	PP1V8_COMP - @single_brd.lib.SINGLE_BRD	14A7 14A8 14B6 14B7
PP1V8_CUMULUS_VDDLDO	PP1V8_CUMULUS_VDDLDO - @single_brd.lib.SINGLE_BRD	17B7 17D6
PP1V8_GRAPE	PP1V8_GRAPE - @single_brd.lib.SINGLE_BRD	12B5 17B1 17B5 17D5
PP1V8_LCM_CONN	PP1V8_LCM_CONN - @single_brd.lib.SINGLE_BRD	18C4
PP1V8_PLL	PP1V8_PLL - @single_brd.lib.SINGLE_BRD	2D6
PP1V8_SDRAM	PP1V8_SDRAM - @single_brd.lib.SINGLE_BRD	3C8 4C7 9B3 12B2 12C1 12C7 13A7 15C5 21C4
PP1V8_WL_BT_VDDIO_AP	PP1V8_WL_BT_VDDIO_AP - @single_brd.lib.RADIO_MLB(i594_page)	26C8 42A7 42C4
PP1V8_VA_CODEC	PP1V8_VA_CODEC - @single_brd.lib.SINGLE_BRD	10D5
PP1V8_XTAL	PP1V8_XTAL - @single_brd.lib.SINGLE_BRD	4B3
PP2V5_CAMO_AF	PP2V5_CAMO_AF - @single_brd.lib.SINGLE_BRD	12B3 20A7
PP2V5_CAMO_AF_COMP	PP2V5_CAMO_AF_COMP - @single_brd.lib.SINGLE_BRD	12B3 20B7
PP2V5_CAMO_AF_CONN	PP2V5_CAMO_AF_CONN - @single_brd.lib.SINGLE_BRD	20B5
PP2V5_CAMO_AF_GROUND	PP2V5_CAMO_AF_GROUND - @single_brd.lib.SINGLE_BRD	12A3 20B5
PP2V8_CAMO_CONN	PP2V8_CAMO_CONN - @single_brd.lib.SINGLE_BRD	20C5
PP2V8_CAM1_CONN	PP2V8_CAM1_CONN - @single_brd.lib.SINGLE_BRD	11C4

PP2V8_CAM_AVDD	PP2V8_CAM_AVDD - @single_brd.lib.SINGLE_BRD	11C2 12B5 20B7
PP3V0_ACC	PP3V0_ACC - @single_brd.lib.SINGLE_BRD	12B4 15C4
PP3V0_ALS	PP3V0_ALS - @single_brd.lib.SINGLE_BRD	11C5
PP3V0_COMP	PP3V0_COMP - @single_brd.lib.SINGLE_BRD	14A6 14A8 14B8
PP3V0_IMU	PP3V0_IMU - @single_brd.lib.SINGLE_BRD	12B5 14A5 14B1
PP3V0_IO	PP3V0_IO - @single_brd.lib.SINGLE_BRD	2D3 5B7 12B5
PP3V0_NAND	PP3V0_NAND - @single_brd.lib.SINGLE_BRD	6D1 12B5
PP3V0_NAND_XW	PP3V0_NAND_XW - @single_brd.lib.SINGLE_BRD	6D3
PP3V0_PROX	PP3V0_PROX - @single_brd.lib.SINGLE_BRD	11C5
PP3V0_RXCODEC	PP3V0_RXCODEC - @single_brd.lib.SINGLE_BRD	10D3
PP3V3_VIB	PP3V3_VIB - @single_brd.lib.SINGLE_BRD	8C6
PP5V0_TRISTAR	PP5V0_TRISTAR - @single_brd.lib.SINGLE_BRD	15C4
PP5V0_USBCONN	PP5V0_USBCONN - @single_brd.lib.SINGLE_BRD	16C5 22D8
PP5V0_USBMUX	PP5V0_USBMUX - @single_brd.lib.SINGLE_BRD	12B5 15C7
PP5V2_CODEC	PP5V2_CODEC - @single_brd.lib.SINGLE_BRD	10D3
PP5V3_VIB	PP5V3_VIB - @single_brd.lib.SINGLE_BRD	8C6
PP5V0_USBTRISTAR	PP5V0_USBTRISTAR - @single_brd.lib.SINGLE_BRD	15C4
PP5V7_LCD_AVDDH	PP5V7_LCD_AVDDH - @single_brd.lib.SINGLE_BRD	13B3 17D7
PP5V7_LCD_AVDDH_CONN	PP5V7_LCD_AVDDH_CONN - @single_brd.lib.SINGLE_BRD	18C4
PP5V7_SAGE_AVDDH	PP5V7_SAGE_AVDDH - @single_brd.lib.SINGLE_BRD	13B1 17B5 17D4
PP_BATT_VCC	PP_BATT_VCC - @single_brd.lib.SINGLE_BRD	PP_BATT_VCC_CONN - 6B3
PP_BATT_VCC_CONN	PP_BATT_VCC_CONN - @single_brd.lib.SINGLE_BRD	8C7 12D8 14D7 19D7 21C5
PP_L19_VBOOST	PP_L19_VBOOST - @single_brd.lib.SINGLE_BRD	14D5
PP_LDO14_2P65	PP_LDO14_2P65 - @single_brd.lib.SINGLE_BRD	16C2 21A4
PP_LDO14_2P65	PP_LDO14_2P65 - @single_brd.lib.RADIO_MLB(i594_page)	26B8 27A2 32C6 37C3 40D6
PP_VCC_MAIN	PP_VCC_MAIN - @single_brd.lib.SINGLE_BRD	10D1 12C8 12D8 13B4 13C2
PROX_FILTER	PROX_FILTER - @single_brd.lib.SINGLE_BRD	17C8
PROX_RX_EN_1V8	PROX_RX_EN_1V8 - @single_brd.lib.SINGLE_BRD	11C8 17B5
PROX_RX_EN_CONN	PROX_RX_EN_CONN - @single_brd.lib.SINGLE_BRD	11C5
PROX_TX_EN_1V8_L	PROX_TX_EN_1V8_L - @single_brd.lib.SINGLE_BRD	17B1 17B7
PROX_TX_EN_BUFF	PROX_TX_EN_BUFF - @single_brd.lib.SINGLE_BRD	11B2 17B2
RADIO_ON_L	RADIO_ON_L - @single_brd.lib.SINGLE_BRD	3A7 21D4
RCVR_CONN_N	RCVR_CONN_N - @single_brd.lib.SINGLE_BRD	11C5
RCVR_CONN_P	RCVR_CONN_P - @single_brd.lib.SINGLE_BRD	11C5
RESET_1V8_L	RESET_1V8_L - @single_brd.lib.SINGLE_BRD	2B7 12B2 13B6 15B4 18B1
SAGE_LX	SAGE_LX - @single_brd.lib.SINGLE_BRD	17B3
SAGE_LY	SAGE_LY - @single_brd.lib.SINGLE_BRD	17B3
SAGE_PANEL_IN<0>	SAGE_PANEL_IN<0> - @single_brd.lib.SINGLE_BRD	17C3 18A8
SAGE_PANEL_IN<1>	SAGE_PANEL_IN<1> - @single_brd.lib.SINGLE_BRD	17D3 18A8
SAGE_PANEL_IN<2>	SAGE_PANEL_IN<2> - @single_brd.lib.SINGLE_BRD	17D3 18A8
SAGE_PANEL_IN<3>	SAGE_PANEL_IN<3> - @single_brd.lib.SINGLE_BRD	17D3 18A8
SAGE_PANEL_IN<4>	SAGE_PANEL_IN<4> - @single_brd.lib.SINGLE_BRD	17D3 18A8
SAGE_PANEL_IN<5>	SAGE_PANEL_IN<5> - @single_brd.lib.SINGLE_BRD	17C3 18A8
SAGE_PANEL_IN<6>	SAGE_PANEL_IN<6> - @single_brd.lib.SINGLE_BRD	17D3 18A6
SAGE_PANEL_IN<7>	SAGE_PANEL_IN<7> - @single_brd.lib.SINGLE_BRD	17C3 18A6
SAGE_PANEL_IN<8>	SAGE_PANEL_IN<8> - @single_brd.lib.SINGLE_BRD	17C3 18A6
SAGE_PANEL_IN<9>	SAGE_PANEL_IN<9> - @single_brd.lib.SINGLE_BRD	17C3 18A6
SAGE_PANEL_IN<10>	SAGE_PANEL_IN<10> - @single_brd.lib.SINGLE_BRD	17D3 18A8
SAGE_PANEL_IN<11>	SAGE_PANEL_IN<11> - @single_brd.lib.SINGLE_BRD	17C3 18A8
SAGE_PANEL_IN<12>	SAGE_PANEL_IN<12> - @single_brd.lib.SINGLE_BRD	17C3 18A6
SAGE_PANEL_IN<13>	SAGE_PANEL_IN<13> - @single_brd.lib.SINGLE_BRD	17C3 18A6

SAGE_PANEL_IN<14>	SAGE_PANEL_IN<14> - @single_brd.lib.SINGLE_BRD	17C3 18A6
SAGE_PANEL_VSTM_OUT<0>	SAGE_PANEL_VSTM_OUT<0> - @single_brd.lib.SINGLE_BRD	17C1 18A6 18A8
SAGE_PANEL_VSTM_OUT<1>	SAGE_PANEL_VSTM_OUT<1> - @single_brd.lib.SINGLE_BRD	17B1 18A8
SAGE_PANEL_VSTM_OUT<2>	SAGE_PANEL_VSTM_OUT<2> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<3>	SAGE_PANEL_VSTM_OUT<3> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<4>	SAGE_PANEL_VSTM_OUT<4> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<5>	SAGE_PANEL_VSTM_OUT<5> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<6>	SAGE_PANEL_VSTM_OUT<6> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<7>	SAGE_PANEL_VSTM_OUT<7> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<8>	SAGE_PANEL_VSTM_OUT<8> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<9>	SAGE_PANEL_VSTM_OUT<9> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM_OUT<10>	SAGE_PANEL_VSTM_OUT<10> - @single_brd.lib.SINGLE_BRD	17C1 18A8
SAGE_PANEL_VSTM		

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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
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_F	100_XCVR_DCS1800_RX_F - @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_DUPLEX_MATC	100_BAND1_DUPLEX_MATCH_RX_N - H_RX_N	38C2	A0_FMCLK	A0_FMCLK - @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	37CS	100_BAND1_DUPLEX_MATC	100_BAND1_DUPLEX_MATCH_RX_P - H_RX_P	38C2	ADC_LDO6_RUIM_1V8	ADC_LDO6_RUIM_1V8 - @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_DUPLEX_RX_N	100_BAND1_DUPLEX_RX_N - @single_brd.lib.RADIO_MLB	38C3	ADC_LDO6_RUIM_1V8	ADC_LDO6_RUIM_1V8 - @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_DUPLEX_RX_P	100_BAND1_DUPLEX_RX_P - @single_brd.lib.RADIO_MLB	38C3	ADC_LVS1	ADC_LVS1 - @single_brd.lib.RADIO_MLB	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_SMPS1_MSMC_1V05	ADC_SMPS1_MSMC_1V05 - @single_brd.lib.SINGLE_BRD	13C6 21C4
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_SMPS1_MSMC_1V05	ADC_SMPS1_MSMC_1V05 - @single_brd.lib.RADIO_MLB	26D5
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	AGG_CHANNEL	AGG_CHANNEL - @single_brd.lib.RADIO_MLB	42A6 42B4
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	ANT_SEL_0	ANT_SEL_0 - @single_brd.lib.RADIO_MLB	30C2 37C1
50_B2_DUPLEX_RX	50_B2_DUPLEX_RX - @single_brd.lib.RADIO_MLB	39C4	50_TXRX_B4_ASM	50_TXRX_B4_ASM - @single_brd.lib.RADIO_MLB	37C4 38B4	100_BAND4_DUPLEX_MATC	100_BAND4_DUPLEX_MATCH_RX_N - H_RX_N	38B3	ANT_SEL_1	ANT_SEL_1 - @single_brd.lib.RADIO_MLB	26C3 30C2 37C1
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_DUPLEX_MATC	100_BAND4_DUPLEX_MATCH_RX_N - H_RX_P	38B2	ANT_SEL_2	ANT_SEL_2 - @single_brd.lib.RADIO_MLB	26C1 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_DUPLEX_RX_N	100_BAND4_DUPLEX_RX_N - @single_brd.lib.RADIO_MLB	38B4	ANT_SEL_3	ANT_SEL_3 - @single_brd.lib.RADIO_MLB	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_RX_N	100_BAND4_RX_N - @single_brd.lib.RADIO_MLB	31C7 38B1	ANT_SEL_4	ANT_SEL_4 - @single_brd.lib.RADIO_MLB	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_P	100_BAND4_RX_P - @single_brd.lib.RADIO_MLB	31C7 38B1	AP_HSIC1_RDY	AP_HSIC1_RDY - @single_brd.lib.SINGLE_BRD	3B7 21A4
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_BAND5_RX_N	100_BAND5_RX_N - @single_brd.lib.RADIO_MLB	31C7 32C3	AP_HSIC1_RDY	AP_HSIC1_RDY - @single_brd.lib.RADIO_MLB	26B6 26C1 26D8 30B2
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_RX_P	100_BAND5_RX_P - @single_brd.lib.RADIO_MLB	32C6 34A4	AP_HSIC3_RDY	AP_HSIC3_RDY - @single_brd.lib.RADIO_MLB	3B5 21D1
50_BAND4_TX_INT_OUT	50_BAND4_TX_INT_OUT - @single_brd.lib.RADIO_MLB	34C6	50_TXRX_B8_PAD_ANT	50_TXRX_B8_PAD_ANT - @single_brd.lib.RADIO_MLB	34B3	100_BAND5_RX_N	100_BAND5_RX_N - @single_brd.lib.RADIO_MLB	31C7 32B3	AP_WAKE_MODEM	AP_WAKE_MODEM - @single_brd.lib.SINGLE_BRD	3A7 21B4
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_RX_P	100_BAND5_RX_P - @single_brd.lib.RADIO_MLB	34B3	AP_WAKE_MODEM	AP_WAKE_MODEM - @single_brd.lib.RADIO_MLB	26D8 30B4
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_RX_N	100_BAND5_RX_N - @single_brd.lib.RADIO_MLB	31C7 34A5	B1B4_SELECT	B1B4_SELECT - @single_brd.lib.RADIO_MLB	30B4 38D3
50_BAND5_TX_INT_OUT	50_BAND5_TX_INT_OUT - @single_brd.lib.RADIO_MLB	34C6	50_TX_RX_BB_FILTER	50_TX_RX_BB_FILTER - @single_brd.lib.RADIO_MLB	34D7	100_BAND5_RX_P	100_BAND5_RX_P - @single_brd.lib.RADIO_MLB	32B6 34A4	B2_RX_BAL_TERM	B2_RX_BAL_TERM - @single_brd.lib.RADIO_MLB	39B2
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_N	100_BAND5_RX_N - @single_brd.lib.RADIO_MLB	32C6 34A4	BB_ERROR_FLAG	BB_ERROR_FLAG - @single_brd.lib.RADIO_MLB	26C6 30C4
50_BAND6_TX_INT_OUT	50_BAND6_TX_INT_OUT - @single_brd.lib.RADIO_MLB	34D6	50_TX_B4_MCH	50_TX_B4_MCH - @single_brd.lib.RADIO_MLB	38B8	100_BAND6_DUPLEX_RX_N	100_BAND6_DUPLEX_RX_N - @single_brd.lib.RADIO_MLB	34A5	BB_HSIC1_REMOTE_WAKE	BB_HSIC1_REMOTE_WAKE - @single_brd.lib.RADIO_MLB	3B7 21C4
50_BAND6_TX_PA_IN	50_BAND6_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_BAND6_DUPLEX_RX_P	100_BAND6_DUPLEX_RX_P - @single_brd.lib.RADIO_MLB	34B3	BB_HSIC1_REMOTE_WAKE	BB_HSIC1_REMOTE_WAKE - @single_brd.lib.RADIO_MLB	26C8 30B2
50_BAND13_DUPLEX_ANT	50_BAND13_DUPLEX_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_I2S_CLK	BB_I2S_CLK - @single_brd.lib.SINGLE_BRD	3D4 21C4
50_BAND13_DUPLEX_RX	50_BAND13_DUPLEX_RX - @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_I2S_CLK	BB_I2S_CLK - @single_brd.lib.RADIO_MLB	26C8 30B4
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_DUPLEX_MATC	100_BAND13_DUPLEX_MATCH_RX_N - CH_RX_N	35C2	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	3D4 21C4
50_BAND13_PA_OUT	50_BAND13_PA_OUT - @single_brd.lib.RADIO_MLB	35C4	50_TX_G_HB_PAOUT	50_TX_G_HB_PAOUT - @single_brd.lib.RADIO_MLB	36B4	100_BAND13_DUPLEX_MATC	100_BAND13_DUPLEX_MATCH_RX_P - CH_RX_P	35D2	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	26C8 30B4
50_BAND13_TRX	50_BAND13_TRX - @single_brd.lib.RADIO_MLB	35C1 37B6	50_TX_G_LA_ASM	50_TX_G_LA_ASM - @single_brd.lib.RADIO_MLB	36B2 37B4	100_BAND13_DUPLEX_RX_N	100_BAND13_DUPLEX_RX_N - @single_brd.lib.RADIO_MLB	35C3	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	26C8 30B4
50_BAND13_TRX_MATCH	50_BAND13_TRX_MATCH - @single_brd.lib.RADIO_MLB	35C2	50_TX_G_LA_MCH	50_TX_G_LA_MCH - @single_brd.lib.RADIO_MLB	36B7	100_BAND13_DUPLEX_RX_P	100_BAND13_DUPLEX_RX_P - @single_brd.lib.RADIO_MLB	35D3	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	3D4 21C4
50_BAND13_TX_INT_IN	50_BAND13_TX_INT_IN - @single_brd.lib.RADIO_MLB	35C7	50_TX_G_LA_PAIN	50_TX_G_LA_PAIN - @single_brd.lib.RADIO_MLB	36B6	100_BAND13_RX_N	100_BAND13_RX_N - @single_brd.lib.RADIO_MLB	31C7 35C1	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	26C8 30B4
50_BAND13_TX_INT_OUT	50_BAND13_TX_INT_OUT - @single_brd.lib.RADIO_MLB	35C6	50_TX_G_LA_PAMCH	50_TX_G_LA_PAMCH - @single_brd.lib.RADIO_MLB	36B3	100_BAND13_RX_P	100_BAND13_RX_P - @single_brd.lib.RADIO_MLB	31C7 35D1	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	26C8 30B4
50_BAND13_TX_PA_IN	50_BAND13_TX_PA_IN - @single_brd.lib.RADIO_MLB	35C5	50_TX_G_LA_PAOUT	50_TX_G_LA_PAOUT - @single_brd.lib.RADIO_MLB	36B4	100_BAND13_RX_N	100_BAND13_RX_N - @single_brd.lib.RADIO_MLB	31C7	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	3D4 21C4
50_CM_TRAP_BS	50_CM_TRAP_BS - @single_brd.lib.RADIO_MLB	32C3	50_TX_PCS_1	50_TX_PCS_1 - @single_brd.lib.RADIO_MLB	39C5	100_BAND13_RX_P	100_BAND13_RX_P - @single_brd.lib.RADIO_MLB	32C6 34A4	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	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_BAND13_RX					

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Title: Cref Part Report	Design: single_brd	Date: Apr 30 16:27:24 2012	C113 CAP_0105 single_brd[4A7]	C218_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21]	C326 CAP_0105 single_brd[13C4]	C526 CAP_0105 single_brd[13C4]
BS1 PCB_STANDOFF	single_brd[21B7]	C114 CAP_0105 single_brd[4A6]	C219 CAP_402 single_brd[9CG]	C327 CAP_0402-1 single_brd[13B3]	C527 CAP_0402-1 single_brd[13B3]	
BS2 PCB_STANDOFF	singls_brd[21B7]	C115 CAP_0004 single_brd[5CG]	C219_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21]	C328 CAP_0201-MUR single_brd[13B3]	C528 CAP_0201-MUR single_brd[13B3]	
BS3 PCB_STANDOFF	single_brd[21B7]	C116 CAP_0001 single_brd[5B6]	C220 CAP_0105 single_brd[10C7]	C329 CAP_0402-2 single_brd[12C1]	C529 CAP_0402-2 single_brd[12C1]	
BS5 PCB_STANDOFF	single_brd[21B7]	C117 CAP_0105 single_brd[4A6]	C220_RF CAP_0402-1 radio_mlb[27A3]single_brd[21]	C330 CAP_0402-2 single_brd[12C1]	C530 CAP_0603-1 single_brd[14D6]	
C1 CAP_01005	single_brd[2A6]	C118 CAP_01005 single_brd[4A5]	C221 CAP_01005 single_brd[10C7]	C331 CAP_0402-2 single_brd[14D7]	C531 CAP_0603-1 single_brd[14D6]	
C2 CAP_0201	single_brd[2C6]	C119 CAP_0402-1 single_brd[5AS]	C221_RF CAP_0402-1 radio_mlb[27A3]single_brd[21]	C332 CAP_0402-2 single_brd[14D7]	C532 CAP_0402-2 single_brd[14D7]	
C3 CAP_0204	single_brd[6D3]	C120 CAP_01005 single_brd[5AS]	C222 CAP_01005 single_brd[9C7]	C333 CAP_0402-2 single_brd[14D7]	C533 CAP_0402-2 single_brd[14D7]	
C4 CAP_01005	single_brd[7D5]	C121 CAP_0204 single_brd[5D6]	C222_RF CAP_0402-1 radio_mlb[27A3]single_brd[21]	C334 CAP_0201-MUR single_brd[14B8]	C534 CAP_0201-MUR single_brd[14B8]	
C5 CAP_01005	single_brd[7D5]	C122 CAP_0610 single_brd[5C6]	C223 CAP_01005 single_brd[9C7]	C335 CAP_0402-2 single_brd[14D7]	C535 CAP_0402-2 single_brd[14D7]	
C6 CAP_01005	single_brd[7D3]	C123 CAP_0402-1 single_brd[13B2]	C223_RF CAP_01005 radio_mlb[27B8]single_brd[21]	C336 CAP_01005 single_brd[14B8]	C536 CAP_01005 single_brd[14B8]	
C7 CAP_01005	single_brd[7D3]	C124 CAP_0204 single_brd[13B2]	C224 CAP_01005 single_brd[9C7]	C337 CAP_0201-1 single_brd[14D6]	C537 CAP_0201-1 single_brd[14D6]	
C8 CAP_01005	single_brd[7B4]	C125 CAP_0402 single_brd[13A1]	C225 CAP_01005 single_brd[9C7]	C338 CAP_0201-MUR single_brd[15B4]	C538 CAP_0201-MUR single_brd[15B4]	
C9 CAP_01005	single_brd[21C6]	C126 CAP_0402-1 single_brd[5C7]	C226 CAP_01005 single_brd[10C6]	C339 CAP_201 single_brd[14D4]	C539 CAP_201 single_brd[14D4]	
C10 CAP_201	single_brd[12D5]	C127 CAP_0201 single_brd[16B6]	C226_RF CAP_0402 radio_mlb[27C8]single_brd[21]	C340 CAP_402 single_brd[14D3]	C540 CAP_402 single_brd[14D3]	
C11 CAP_0201	single_brd[14A1]	C128 CAP_0201 single_brd[16B6]	C227 CAP_01005 single_brd[9C7]	C341 CAP_0201-MUR single_brd[14D3]	C541 CAP_0201-MUR single_brd[14D3]	
C12 CAP_01005	single_brd[16B6]	C129 CAP_0402 single_brd[18C2]	C228 CAP_01005 single_brd[9C7]	C342 CAP_0201 single_brd[14D5]	C542 CAP_0201 single_brd[14D5]	
C13 CAP_01005	single_brd[16B6]	C130 CAP_01005 single_brd[17C7]	C229 CAP_01005 single_brd[10C6]	C343 CAP_0201 single_brd[17D2]	C543 CAP_0201 single_brd[17D2]	
C14 CAP_01005	single_brd[16B5]	C131 CAP_0402 single_brd[13A2]	C229_RF CAP_0402-1 radio_mlb[27A3]single_brd[21]	C344 CAP_01005 single_brd[14B2]	C544 CAP_01005 single_brd[14B2]	
C15 CAP_01005	single_brd[16B5]	C132 CAP_01005 single_brd[13B2]	C230 CAP_01005 single_brd[10C6]	C345 CAP_01005 single_brd[14B2]	C545 CAP_01005 single_brd[14B2]	
C16 CAP_0402-2	single_brd[12D8]	C133 CAP_0610 single_brd[5C7]	C230_RF CAP_0402-1 radio_mlb[27A2]single_brd[21]	C346 CAP_01005 single_brd[19A5]	C546 CAP_01005 single_brd[19A5]	
C17 CAP_01005	single_brd[18D3]	C134 CAP_0204 single_brd[5C6]	C231 CAP_01005 single_brd[9C6]	C347 CAP_0201-MUR single_brd[14B1]	C547 CAP_0201-MUR single_brd[14B1]	
C18 CAP_01005	single_brd[18D3]	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]	C548 CAP_0603-1 single_brd[14D5]	
C19 CAP_01005	single_brd[18D3]	C136 CAP_01005 single_brd[6C5]	C232 CAP_402 single_brd[10C4]	C349 CAP_201 single_brd[12A4]	C549 CAP_201 single_brd[12A4]	
C20 CAP_01005	single_brd[2D6]	C137 CAP_201 single_brd[17B4]	C233 CAP_402 single_brd[10C4]	C350 CAP_0402 single_brd[18C2]	C550 CAP_0402 single_brd[18C2]	
C21 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]	C551 CAP_0402 single_brd[18C1]	
C22 CAP_01005	single_brd[2D6]	C139 CAP_01005 single_brd[17B3]	C234 CAP_402 single_brd[10B5]	C352 CAP_01005 single_brd[16C2]	C552 CAP_01005 single_brd[16C2]	
C23 CAP_0201	single_brd[11B4]	C140 CAP_0402 single_brd[12C3]	C234_RF CAP_0201-MUR radio_mlb[27A5]single_brd[21]	C353 CAP_0402 single_brd[18C1]	C553 CAP_0402 single_brd[18C1]	
C24 CAP_0201	single_brd[2C6]	C141 CAP_0402-1 single_brd[5D3]	C235 CAP_01005 single_brd[10B2]	C354 CAP_01005 single_brd[10C6]	C554 CAP_01005 single_brd[10C6]	
C25 CAP_0201	single_brd[2C6]	C142 CAP_0402-1 single_brd[5D3]	C235_RF CAP_0402-1 radio_mlb[27B8]single_brd[21]	C355 CAP_01005 single_brd[16C3]	C555 CAP_01005 single_brd[16C3]	
C26 CAP_0201-MUR	single_brd[11B4]	C143 CAP_01005 single_brd[10B2]	C236 CAP_01005 single_brd[10B2]	C356 CAP_01005 single_brd[10C6]	C556 CAP_01005 single_brd[10C6]	
C27 CAP_0201-MUR	single_brd[14D3]	C144 CAP_01005 single_brd[6C5]	C236_RF CAP_0402-1 radio_mlb[27B8]single_brd[21]	C357 CAP_0402-2 single_brd[12C8]	C557 CAP_0402-2 single_brd[12C8]	
C28 CAP_0201	single_brd[2C6]	C145 CAP_0402 single_brd[12D3]	C237 CAP_402 single_brd[10B6]	C358 CAP_0402-2 single_brd[12C8]	C558 CAP_0402-2 single_brd[12C8]	
C29 CAP_0201-MUR	single_brd[14D3]	C146 CAP_0201 single_brd[17B4]	C237_RF CAP_0402-1 radio_mlb[27B8]single_brd[21]	C359 CAP_01005 single_brd[16C3]	C559 CAP_01005 single_brd[16C3]	
C30 CAP_0610	single_brd[5A7]	C147 CAP_01005 single_brd[17B4]	C238 CAP_402 single_brd[10B6]	C360 CAP_01005 single_brd[14C3]	C560 CAP_01005 single_brd[14C3]	
C31 CAP_201	single_brd[12A5]	C148 CAP_0201 single_brd[17A6]	C239 CAP_0402 single_brd[17A6]	C361 CAP_01005 single_brd[14D2]	C561 CAP_01005 single_brd[14D2]	
C32 CAP_01005	single_brd[12D4]	C149 CAP_0402-1 single_brd[17D4]	C240 CAP_01005 single_brd[16B3]	C362 CAP_01005 single_brd[16A3]	C562 CAP_01005 single_brd[16A3]	
C33 CAP_0402-2	single_brd[12D8]	C150 CAP_01005 single_brd[17B3]	C241 CAP_01005 single_brd[8B3]	C363 CAP_01005 single_brd[14C2]	C563 CAP_01005 single_brd[14C2]	
C34 CAP_01005	single_brd[2D4]	C151 CAP_0204 single_brd[5C3]	C242 CAP_01005 single_brd[16D7]	C364 CAP_01005 single_brd[21C8]	C564 CAP_01005 single_brd[21C8]	
C35 CAP_01005	single_brd[2D4]	C152 CAP_0610 single_brd[5D3]	C243 CAP_01005 single_brd[12D3]	C365 CAP_01005 single_brd[21C8]	C565 CAP_01005 single_brd[21C8]	
C36 CAP_01005	single_brd[2D4]	C153 CAP_0204 single_brd[5D3]	C244 CAP_01005 single_brd[8B4]	C366 CAP_01005 single_brd[21C8]	C566 CAP_01005 single_brd[21C8]	
C37 CAP_01005	single_brd[2D2]	C154 CAP_P_0603-LLP single_brd[17A4]	C245 CAP_01005 single_brd[10D4]	C367 CAP_01005 single_brd[21C7]	C567 CAP_01005 single_brd[21C7]	
C38 CAP_0201-MUR	single_brd[15C7]	C155 CAP_0201 single_brd[17A3]	C246 CAP_0201 single_brd[17A7]	C368 CAP_01005 single_brd[14D6]	C568 CAP_01005 single_brd[14D6]	
C39 CAP_01005	single_brd[15C5]	C156 CAP_0402-1 single_brd[17D3]	C247 CAP_0402-2 single_brd[12D7]	C369 CAP_0402 single_brd[17D7]	C569 CAP_0402 single_brd[17D7]	
C40 CAP_0610	single_brd[4B7]	C157 CAP_0201 single_brd[17B3]	C248 CAP_0201-MUR single_brd[20A6]	C370 CAP_402 single_brd[17D7]	C570 CAP_402 single_brd[17D7]	
C41 CAP_01005	single_brd[14D7]	C158 CAP_0204 single_brd[5C3]	C249 CAP_0201-MUR single_brd[20B7]	C371 CAP_402 single_brd[17D6]	C571 CAP_402 single_brd[17D6]	
C42 CAP_0402-2	single_brd[4B7]	C159 CAP_01005 single_brd[12A6]	C250 CAP_0402-2 single_brd[12D6]	C372 CAP_0201-MUR single_brd[17D6]	C572 CAP_0201-MUR single_brd[17D6]	
C43 CAP_0204	single_brd[4B7]	C160 CAP_0610 single_brd[5D3]	C251 CAP_0402-2 single_brd[12D6]	C373 CAP_0201 single_brd[17A6]	C573 CAP_0201 single_brd[17A6]	
C44 CAP_01005	single_brd[11C2]	C161 CAP_0204 single_brd[5D3]	C252 CAP_0402-1 single_brd[11B4]	C374 CAP_01005 single_brd[8C6]	C574 CAP_01005 single_brd[8C6]	
C45 CAP_01005	single_brd[12D7]	C162 CAP_0402-1 single_brd[17D3]	C253 CAP_01005 single_brd[11A4]	C375 CAP_0402-2 single_brd[12D7]	C575 CAP_0402-2 single_brd[12D7]	
C46 CAP_0402-2	single_brd[12C3]	C163 CAP_201 single_brd[17D2]	C254 CAP_0402 single_brd[11A1]	C376 CAP_0201 single_brd[17A3]	C576 CAP_0201 single_brd[17A3]	
C47 CAP_0402	single_brd[12C3]	C164 CAP_0402 single_brd[17A7]	C255 CAP_0201-1 single_brd[16B7]	C377 CAP_0201 single_brd[17D1]	C577 CAP_0201 single_brd[17D1]	
C48 CAP_0204	single_brd[4B7]	C165 CAP_01005 single_brd[17D2]	C256 CAP_0402 single_brd[11C3]	C378 CAP_01005 single_brd[19D3]	C578 CAP_01005 single_brd[19D3]	
C49 CAP_0204	single_brd[4C7]	C166 CAP_0204 single_brd[5C3]	C257 CAP_01005 single_brd[17A3]	C379 CAP_01005 single_brd[19B7]	C579 CAP_01005 single_brd[19B7]	
C50 CAP_0201-MUR	single_brd[6C4]	C167 CAP_01005 single_brd[12A6]	C258 CAP_01005 single_brd[12A6]	C380 CAP_01005 single_brd[15C6]	C580 CAP_01005 single_brd[15C6]	
C51 CAP_01005	single_brd[10C2]	C168 CAP_01005 single_brd[12A5]	C259 CAP_01005 single_brd[7C3]	C381 CAP_01005 single_brd[15C5]	C581 CAP_01005 single_brd[15C5]	
C52 CAP_0402-2</td						

D

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C

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B

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L1713_RF	IND_01005	radio_mlb[41C4] single_brd[21]
L1715_RF	IND_03015	radio_mlb[41D3] single_brd[21]
L1716_RF	IND_01005	radio_mlb[41B6] single_brd[21]
L1724_RF	IND_03015	radio_mlb[41D8] single_brd[21]
L1726_RF	FILTER_2P_01005	radio_mlb[41C7] single_brd[21]
L1732_RF	IND_03015	radio_mlb[41D6] single_brd[21]
L1812_RF	IND_0201	radio_mlb[42D5] single_brd[21]
PP1	PROBEPOINT_SM	single_brd[1B6]
PP2	PROBEPOINT_SM	single_brd[1B7]
PP3	PROBEPOINT_SM	single_brd[1B7]
PP4	PROBEPOINT_SM	single_brd[1B6]
PP5	PROBEPOINT_SM	single_brd[1B4]
PP6	PROBEPOINT_SM	single_brd[1B4]
PP7	PROBEPOINT_SM	single_brd[1C7]
PP8	PROBEPOINT_SM	single_brd[1C7]
PP9	PROBEPOINT_SM	single_brd[1A6]
PP10	PROBEPOINT_SM	single_brd[1B7]
PP11	PROBEPOINT_SM	single_brd[1B7]
PP14	PROBEPOINT_SM	single_brd[1D2]
PP16	PROBEPOINT_SM	single_brd[1D2]
PP18	PROBEPOINT_SM	single_brd[1B1]
PP101_RF	PROBEPOINT_SM	radio_mlb[26C6] single_brd[21]
PP102_RF	PROBEPOINT_SM	radio_mlb[42A4] single_brd[21]
PP103_RF	PROBEPOINT_SM	radio_mlb[26B6] single_brd[21]
PP104_RF	PROBEPOINT_SM	radio_mlb[26B6] single_brd[21]
PP105_RF	PROBEPOINT_SM	radio_mlb[26C6] single_brd[21]
PP106_RF	PROBEPOINT_SM	radio_mlb[26C6] single_brd[21]
PP107_RF	PROBEPOINT_SM	radio_mlb[26C6] single_brd[21]
PP113_RF	PROBEPOINT_SM	radio_mlb[26B5] single_brd[21]
PP114_RF	PROBEPOINT_SM	radio_mlb[26B5] single_brd[21]
PP301_RF	PROBEPOINT_SM	radio_mlb[28B3] single_brd[21]
PP302_RF	PROBEPOINT_SM	radio_mlb[28B3] single_brd[21]
PP1801_RF	PROBEPOINT_SM	radio_mlb[42B4] single_brd[21]
PP1802_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
PP1803_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
PP1804_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
PP1805_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
PP1806_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
PP1807_RF	PROBEPOINT_SM	radio_mlb[42A3] single_brd[21]
Q1	TRA_MOSFET_NCHN_3P3_-	single_brd[1B3]
	DFN1006H4-3	
Q2	TRA_DUAL_CMNSRC_PCH_-	single_brd[1B7 1B6]
	9P_CSP	
Q3	TRA_MOSFET_PCHN_3P9_-	single_brd[1B4]
	DFN	
Q4	TRA_MOSFET_PCHN_9P_B	single_brd[1C8]
	GA	
Q5	TRA_MOSFET_NCHN_6P3_-	single_brd[1D5]
	BGA	
Q6	TRA_MOSFET_NCHN_6P3_-	single_brd[1D2]
	BGA	
Q7	TRA_MOSFET_NCHN_3P11	single_brd[1B3]
	_SM	
Q8	TRA_MOSFET_NCHN_3P3_-	single_brd[8C6]
	DFN1006H4-3	
Q9	TRA_MOSFET_NCHN_4P5_-	single_brd[1A6]
	WLP	
Q10	TRA_MOSFET_NCHN_3P11	single_brd[1B7]
	_SM	
R1	RES_01005	single_brd[2D7]
R2	RES_01005	single_brd[1B1]
R3	RES_01005	single_brd[1A7]
R4	RES_01005	single_brd[1D5]
R5	RES_01005	single_brd[1D5]
R6	RES_01005	single_brd[2B3]
R7	RES_01005	single_brd[2C3]
R8	RES_01005	single_brd[1B2]
R9	RES_01005	single_brd[1A7]
R10	RES_01005	single_brd[1D2]
R11	RES_01005	single_brd[1D2]
R12	RES_01005	single_brd[1C7]
R13	RES_01005	single_brd[1A8]
R14	RES_01005	single_brd[1A4]
R15	RES_01005	single_brd[1D2]
R16	RES_01005	single_brd[1A6]
R17	RES_01005	single_brd[1D3]
R18	RES_01005	single_brd[1D3]
R19	RES_01005	single_brd[1D3]
R20	RES_01005	single_brd[3A4]
R21	RES_01005	single_brd[1D2]
R22	RES_01005	single_brd[1A4]
R23	RES_01005	single_brd[1D2]
R24	RES_01005	single_brd[1D2]
R25	RES_01005	single_brd[1A6]
R26	RES_01005	single_brd[1D5]
R27	RES_01005	single_brd[1C7]
R28	RES_01005	single_brd[1A8]
R29	RES_01005	single_brd[1A6]
R30	RES_01005	single_brd[1A6]
R31	RES_01005	single_brd[1A5]
R32	RES_01005	single_brd[1A5]
R33	RES_01005	single_brd[1A4]
R34	RES_01005	single_brd[1A4]
R35	RES_01005	single_brd[1A4]
R36	RES_01005	single_brd[1T2]
R37	RES_01005	single_brd[1D2]
R38	RES_01005	single_brd[1C7]
R39	RES_01005	single_brd[1D2]
R40	RES_01005	single_brd[1C7]
R41	RES_01005	single_brd[1D2]
R42	RES_01005	single_brd[1D2]
R43	RES_01005	single_brd[1C7]
R44	RES_01005	single_brd[1C7]
R45	RES_01005	single_brd[1C3]
R46	RES_01005	single_brd[1B2]
R47	RES_01005	single_brd[1A5]
R48	RES_01005	single_brd[1A5]
R49	RES_01005	single_brd[1A5]
R50	RES_01005	single_brd[1B3]
R51	RES_01005	single_brd[1B3]
R52	RES_01005	single_brd[1B8]
R53	RES_01005	single_brd[1B8]
R54	RES_01005	single_brd[1B8]
R55	RES_01005	single_brd[1B8]
R56	RES_01005	single_brd[1B2]
R57	THERMISTER_0201	single_brd[1A5]
R58	RES_01005	single_brd[1B6]
R59	RES_01005	single_brd[1B6]
R60	RES_01005	single_brd[1B2]
R61	RES_01005	single_brd[1B5]
R62	RES_01005	single_brd[1B5]
R63	RES_01005	single_brd[1C7]
R64	RES_01005	single_brd[1A4]
R65	RES_01005	single_brd[1C2]

R66	RES_01005	single_brd[1A4]
R67	RES_01005	single_brd[2B6]
R68	RES_01005	single_brd[5D7]
R69	RES_01005	single_brd[1A2]
R70	RES_01005	single_brd[1C7]
R71	RES_01005	single_brd[1B2]
R72	RES_01005	single_brd[4D7]
R73	RES_01005	single_brd[1B6]
R74	RES_01005	single_brd[1C2]
R75	RES_01005	single_brd[1A4D2]
R76	RES_01005	single_brd[3C7]
R77	RES_01005	single_brd[5C7]
R78	RES_01005	single_brd[6C7]
R79	RES_01005	single_brd[1B5]
R80	RES_01005	single_brd[1A7A6]
R81	RES_01005	single_brd[1B7A6]
R82	RES_01005	single_brd[6C6]
R83	RES_01005	single_brd[1B5C7]
R84	RES_01005	single_brd[1B5B7]
R85	RES_01005	single_brd[1B13]
R86	RES_01005	single_brd[1C7C5]
R87	RES_01005	single_brd[1C22]
R88	RES_01005	single_brd[1B5B3]
R89	RES_01005	single_brd[1B5B4]
R90	RES_01005	single_brd[1B4C6]
R91	RES_01005	single_brd[12A4]
R92	RES_01005	single_brd[1B2B3]
R93	RES_01005	single_brd[3D2]
R94	RES_01005	single_brd[2B24]
R95	RES_01005	single_brd[1A7A7]
R96	RES_01005	single_brd[1A4C6]
R97	RES_01005	single_brd[10B6]
R98	RES_01005	single_brd[10B4]
R99	RES_01005	single_brd[10B2]
R100	RES_01005	single_brd[10B1]
R101	RES_01005	single_brd[10B4]
R102	RES_01005	single_brd[10C2]
R103	RES_01005	single_brd[10C2]
R104	RES_01005	single_brd[10A4]
R104_RF	radio_mlb[26A5]	single_brd[21]
R105_RF	radio_mlb[26A5]	single_brd[21]
R106_RF	radio_mlb[26A5]	single_brd[21]
R107_RF	radio_mlb[26A5]	single_brd[21]
R108	RES_01005	single_brd[12A8]
R109	RES_00201	single_brd[12A8]
R110	THERMISTER_0201	single_brd[12A7]
R111	RES_01005	single_brd[1B5C3]
R112	RES_01005	single_brd[1B3B6]
R113	RES_01005	single_brd[1B3B6]
R114	RES_01005	single_brd[1B3B6]
R115	RES_01005	single_brd[3D2]
R116	RES_0201	single_brd[1D3D4]
R117	RES_01005	single_brd[1C7C7]
R118	RES_01005	single_brd[1B6C6]
R119	RES_01005	single_brd[1B6B6]
R120	RES_01005	single_brd[1D7D1]
R123	RES_201	single_brd[1C9]
R124	RES_01005	single_brd[1B9A7]
R125	RES_01005	single_brd[1C17]
R126	RES_01005	single_brd[1D0D3]
R127	RES_01005	single_brd[1D0B2]
R128	RES_01005	single_brd[1D0C2]
R134	RES_01005	single_brd[1B6B7]
R136	RES_01005	