

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		TRISTAR	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_DWJG	Y	EEEE_16G
825-6383	1	LABEL FOR N41 639-3420	EEEE_DY6Q	Y	EEEE_32G
825-6383	1	LABEL FOR N41 639-3421	EEEE_DY6R	Y	EEEE_64G
825-6383	1	LABEL FOR N42 639-2456	EEEE_DNVD	Y	EEEE_16G_N42
825-6383	1	LABEL FOR N41 639-3858	EEEE_F322	Y	EEEE_32G_N42
825-6383	1	LABEL FOR N41 639-3859	EEEE_F321	Y	EEEE_64G_N42

N41 = BAND 17 COMF  
N42 = BAND 13 COMF

## NAND OPTIONS

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

## RADIO MLB TDMA CAP OPTION

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

## INDUCTOR 607-XXXX SUBBOM GEN

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
152S1547	4	IND, PWR, 1.50H, 1.95A, 111MOHM, 2520	L10, L50, L14, L54	Y	CPU0_1_TDK_SUBBOM
152S1696	3	IND, PWR, 2.2UH, 1.45A, 138MOHM, 2520	L11, L12, L13	Y	SOC_CYNCT_SUBBOM
152S1695	4	IND, PWR, 1.50H, 1.95A, 111MOHM, 2520	L10, L50, L14, L54	Y	CPU0_1_CYNCT_SUBBOM
152S1432	3	IND, PWR, 2.2UH, 1.45A, 125MOHM, 2520	L11, L12, L13	Y	SOB_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	SAKON 19.2MHZ XTAL ALT

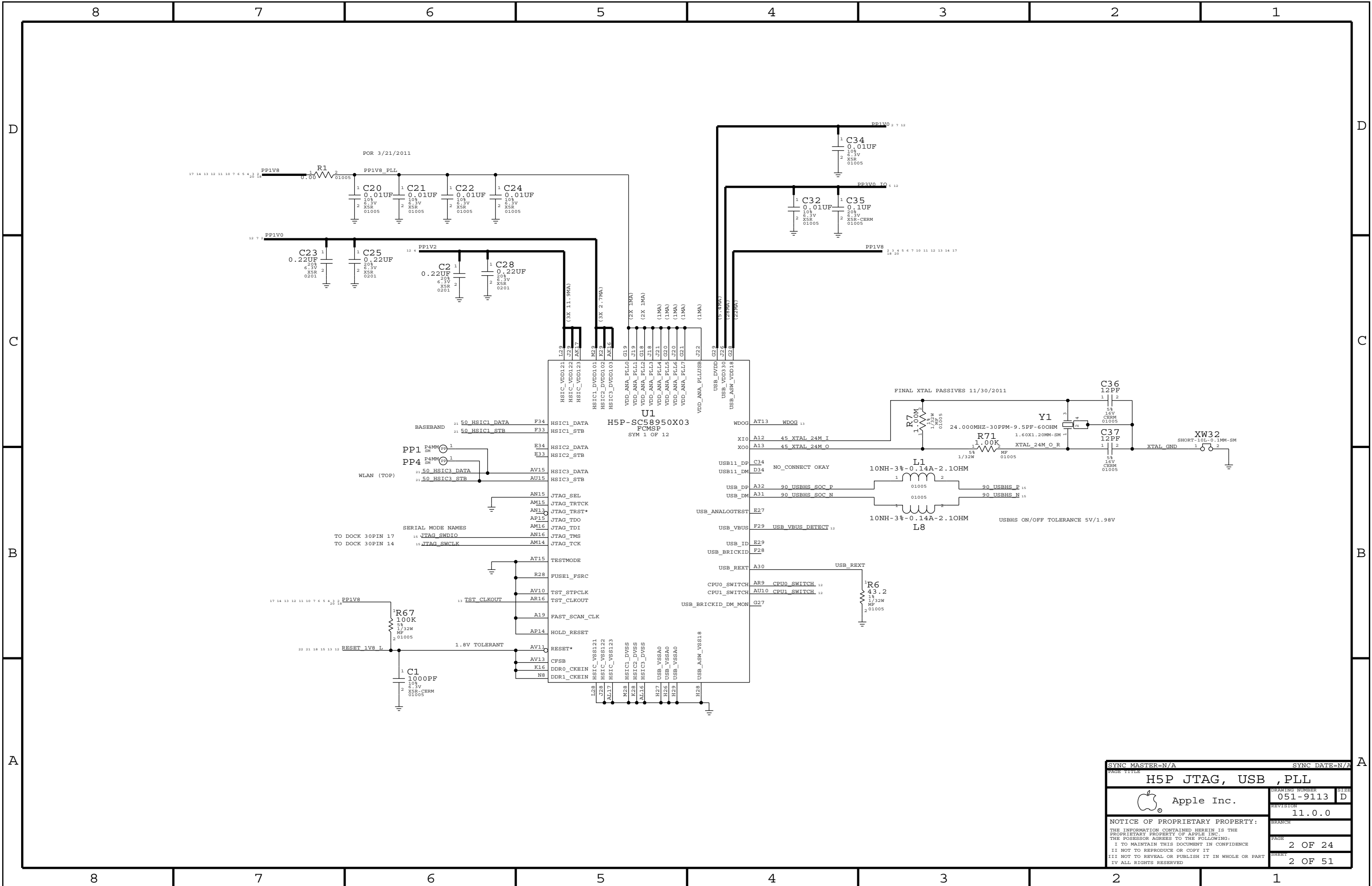
## ALTERNATES


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

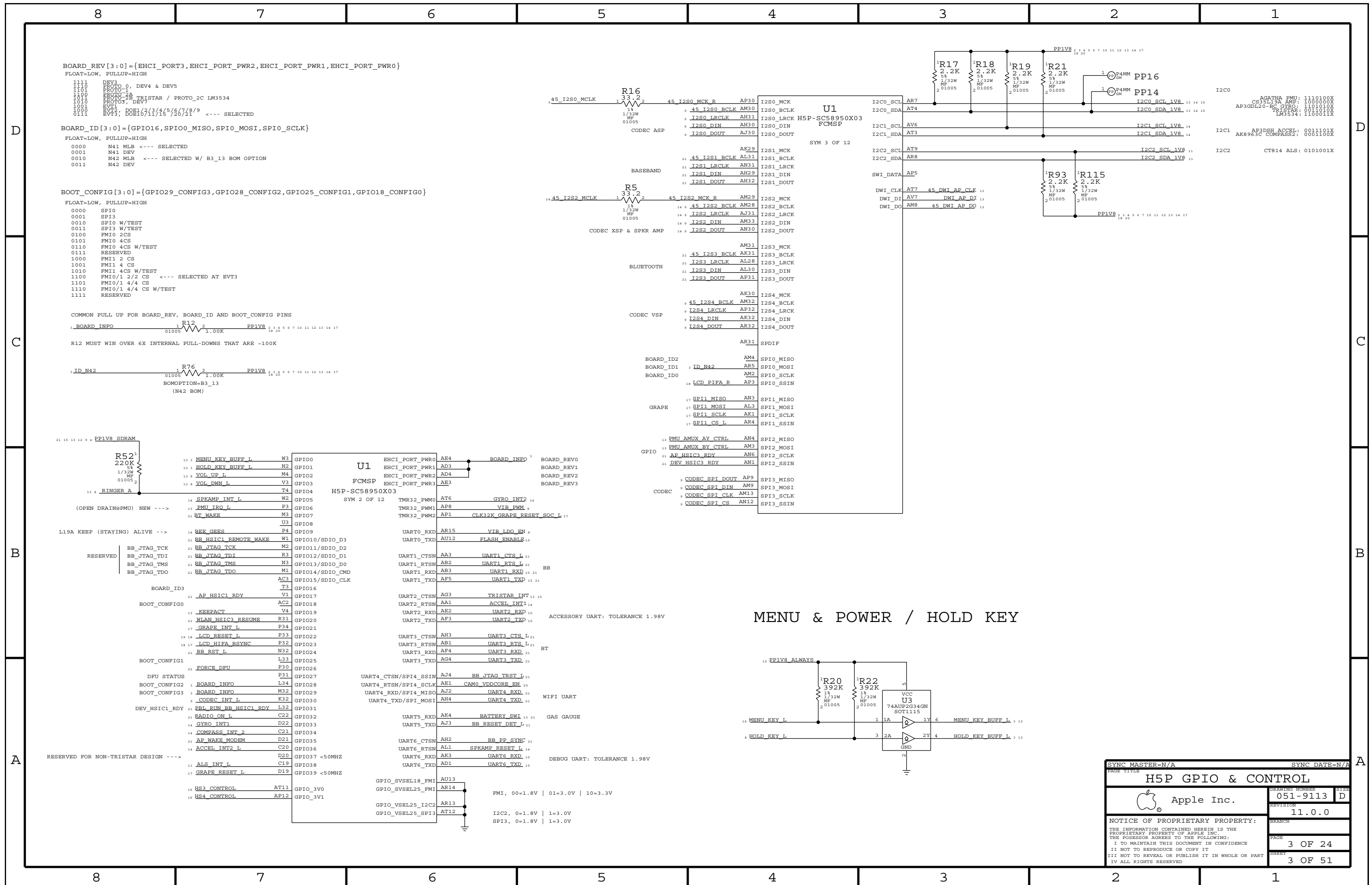
PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0878	335S0871	NAND_16G	U4	TOSHIBA 16G
335S0881	335S0871	NAND_16G	U4	SAMSUNG 16G
335S0900	335S0871	NAND_16G	U4	SANDISK 16G
335S0879	335S0872	NAND_32G	U4	TOSHIBA 32G
335S0882	335S0872	NAND_32G	U4	SAMSUNG 32G
335S0901	335S0872	NAND_32G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

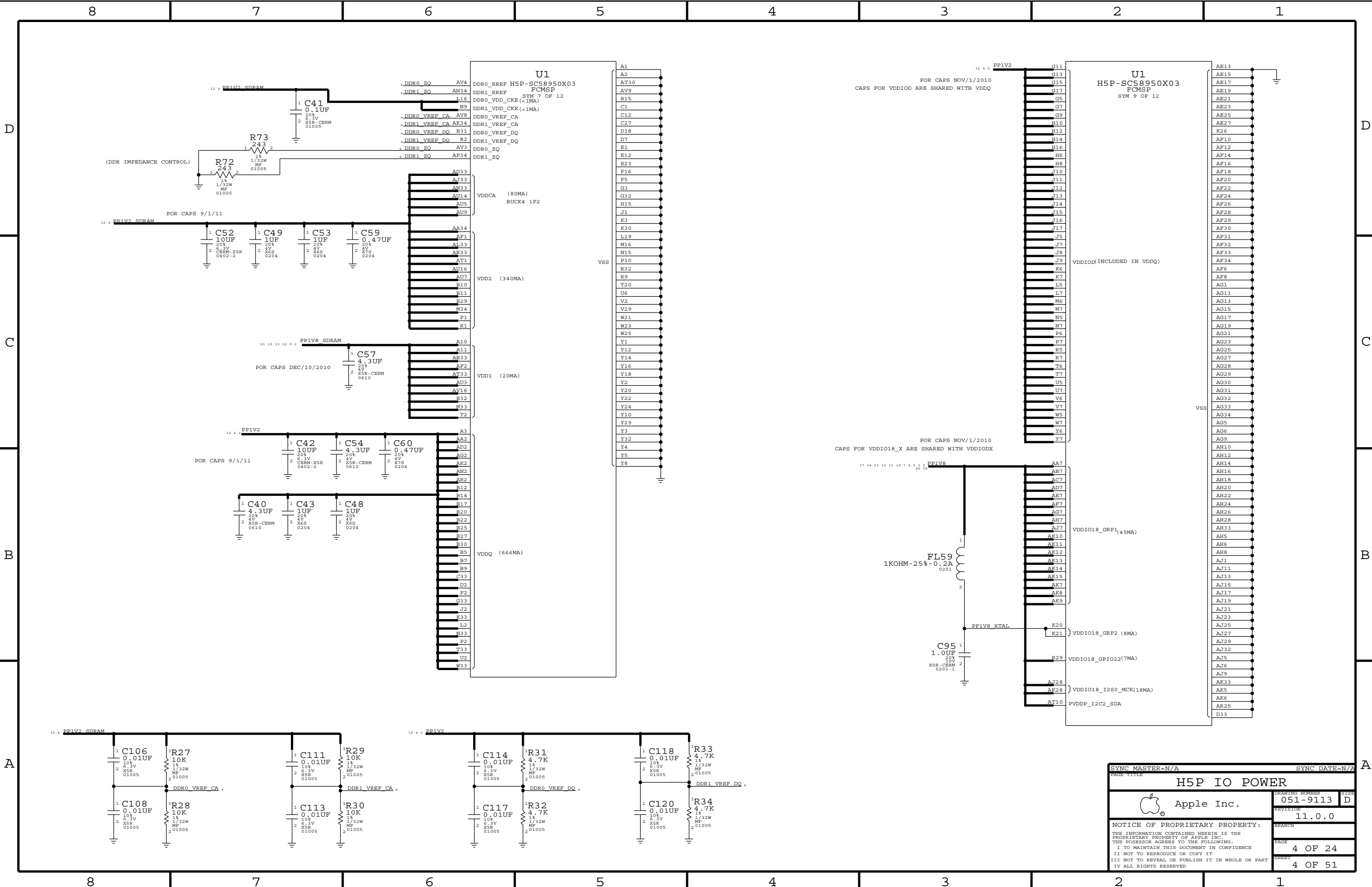
PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
607-9983	607-9979	?	CPU_IND	ALT CPU CYNTEC SUBBOM
607-9984	607-9980	?	SOC_IND	ALT SOC CYNTEC SUBBOM

DRAWING TITLE		SCHEM, MLB, N41	
	Apple Inc.		DRAWING NUMBER 051-9113
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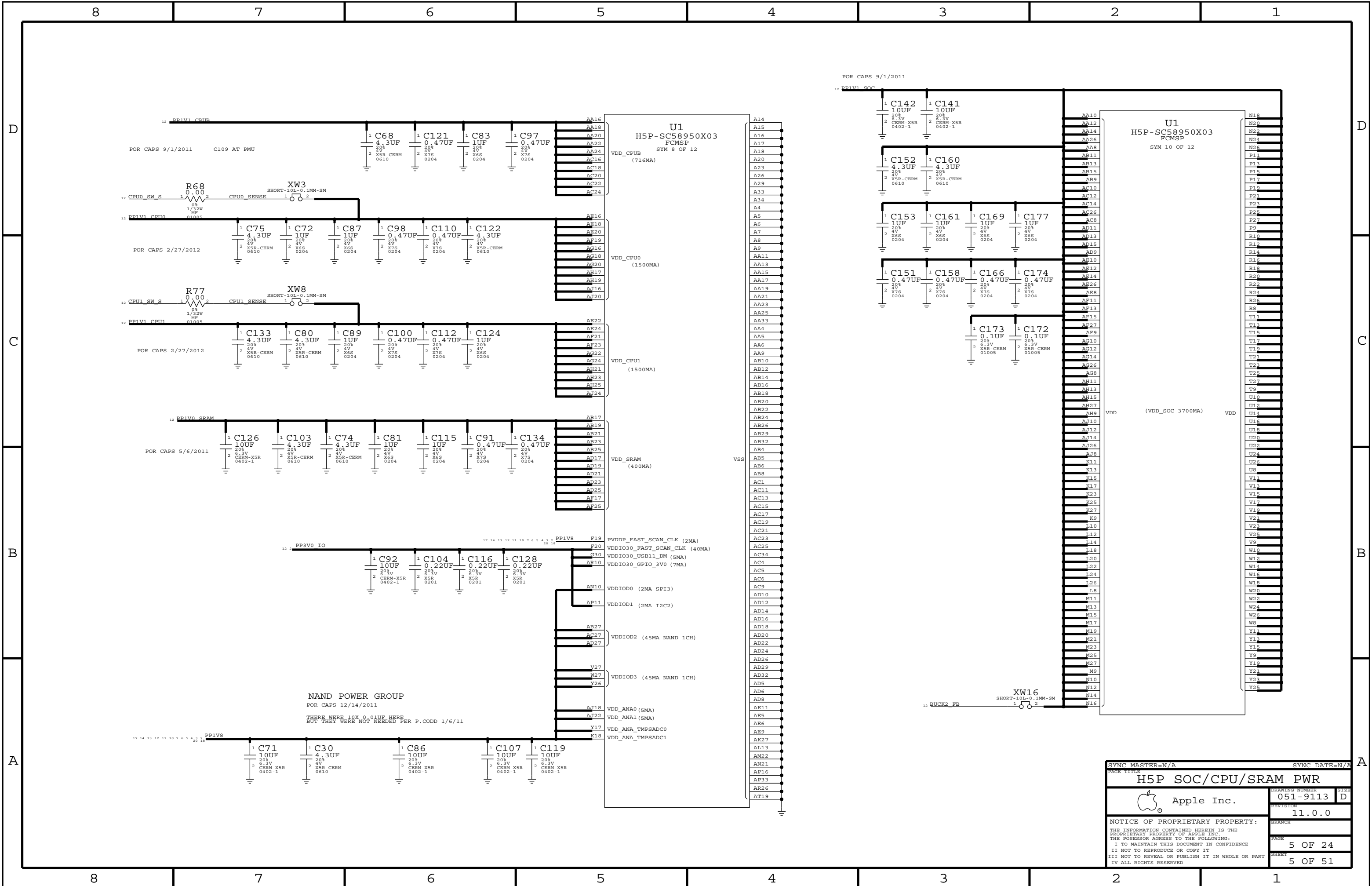


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H5P JTAG, USB , PLL			
 Apple Inc.	DRAWING NUMBER		SIZE
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	REVISION		
		11.0.0	
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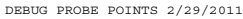







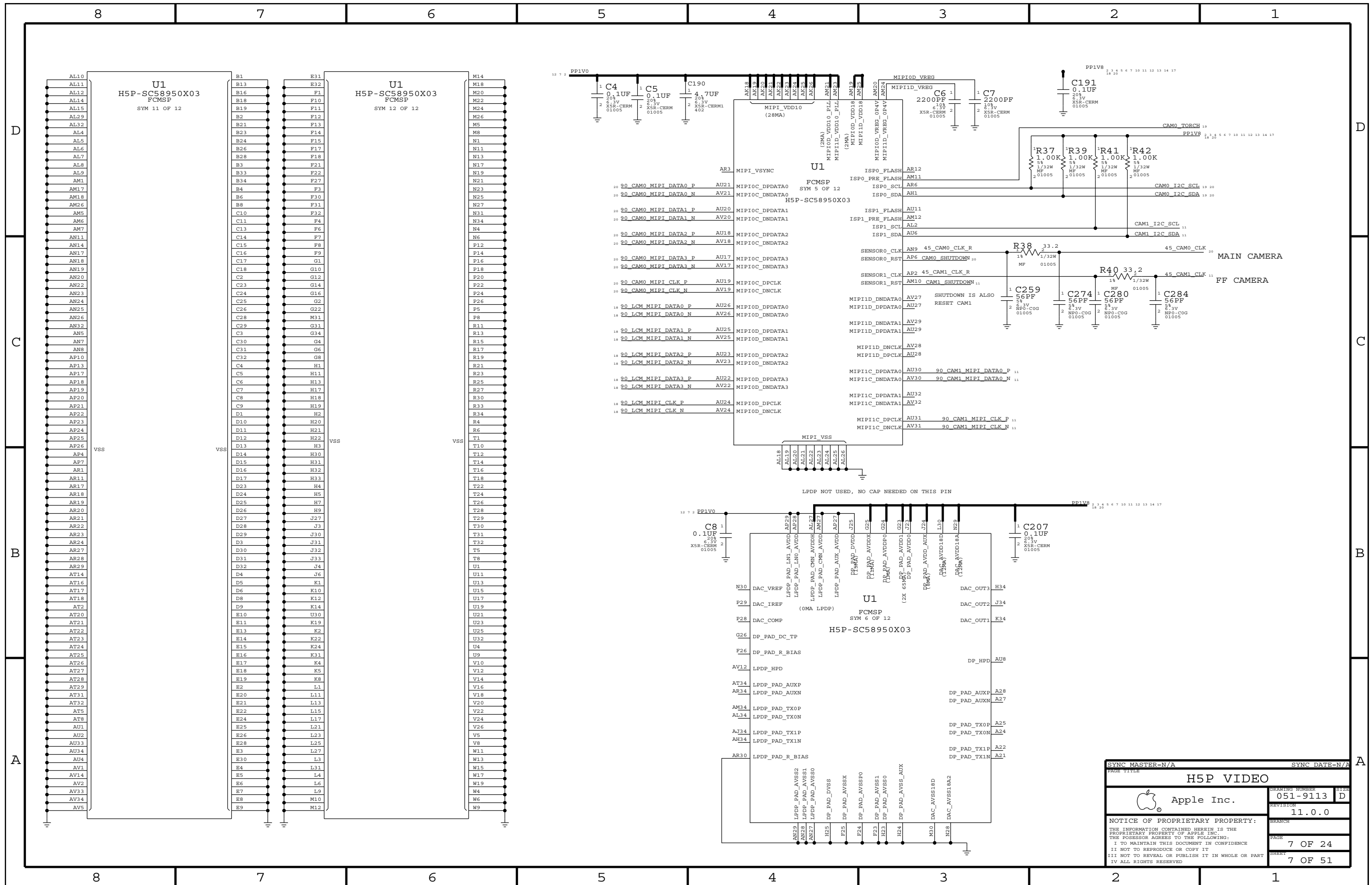


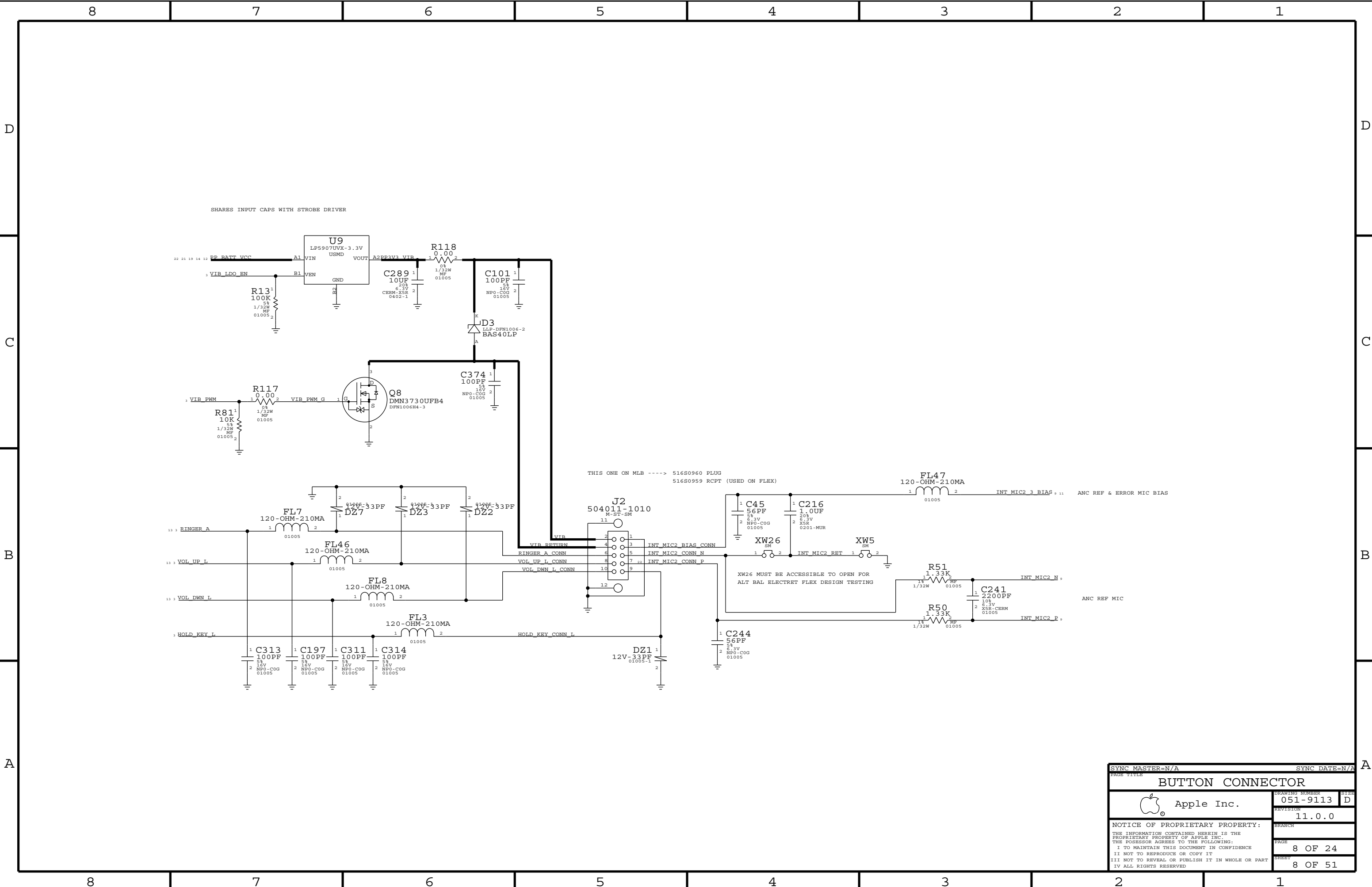
## SUPPORT FOR PPN1.5 AND PPN1.0 W/ 1.8V IO ONLY




NOTE: NAND PADS SHOULD BE SHIELDED FROM TRACES WITH A GROUND PLANE

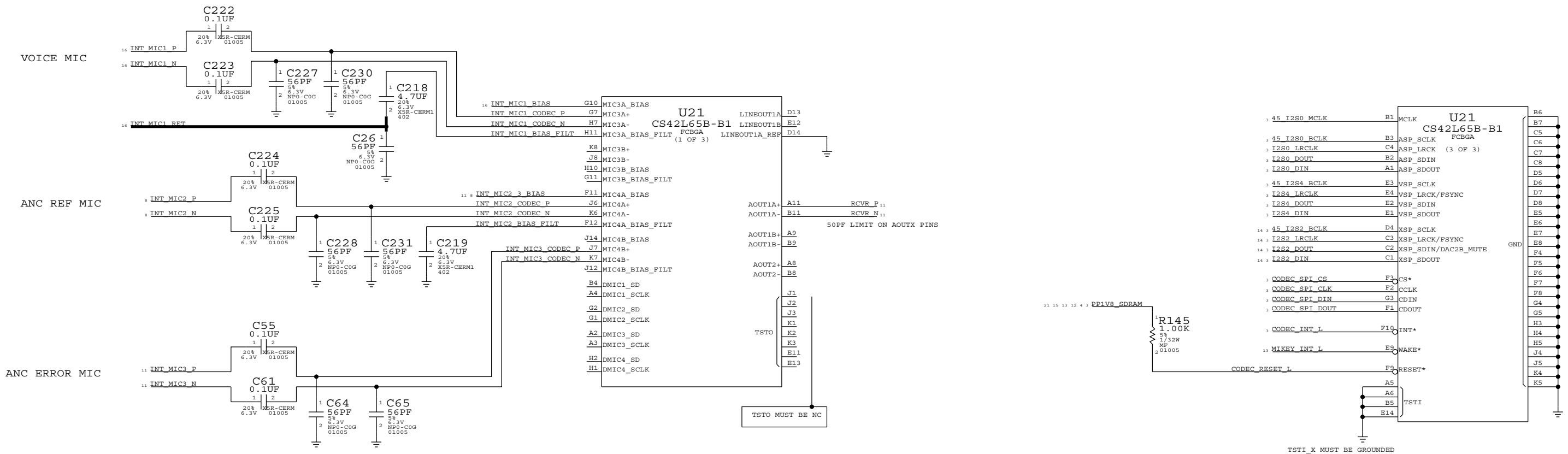
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BUTTON CONNECTOR			
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# CS42L65 AUDIO CODEC



## D



B

A

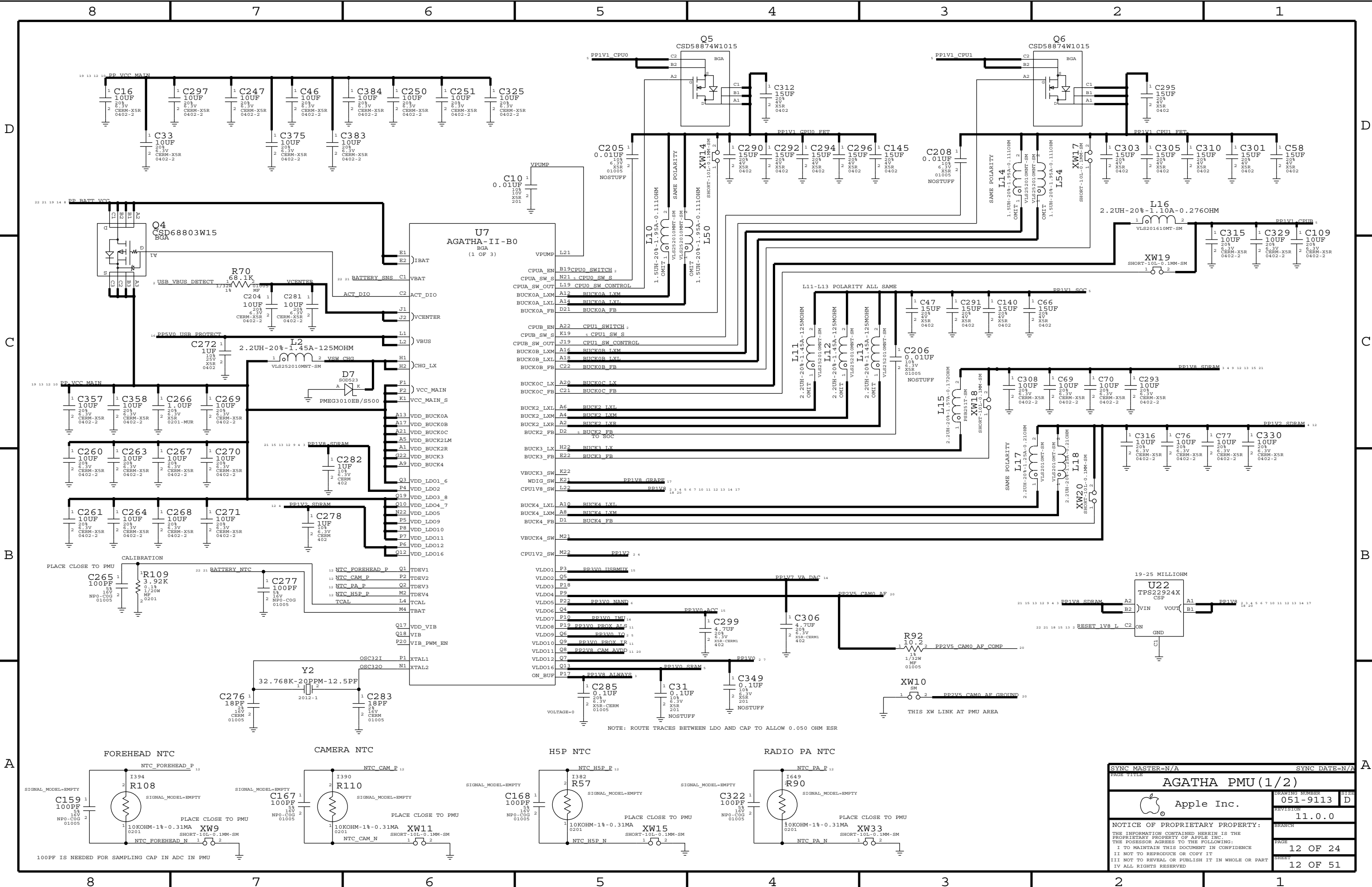
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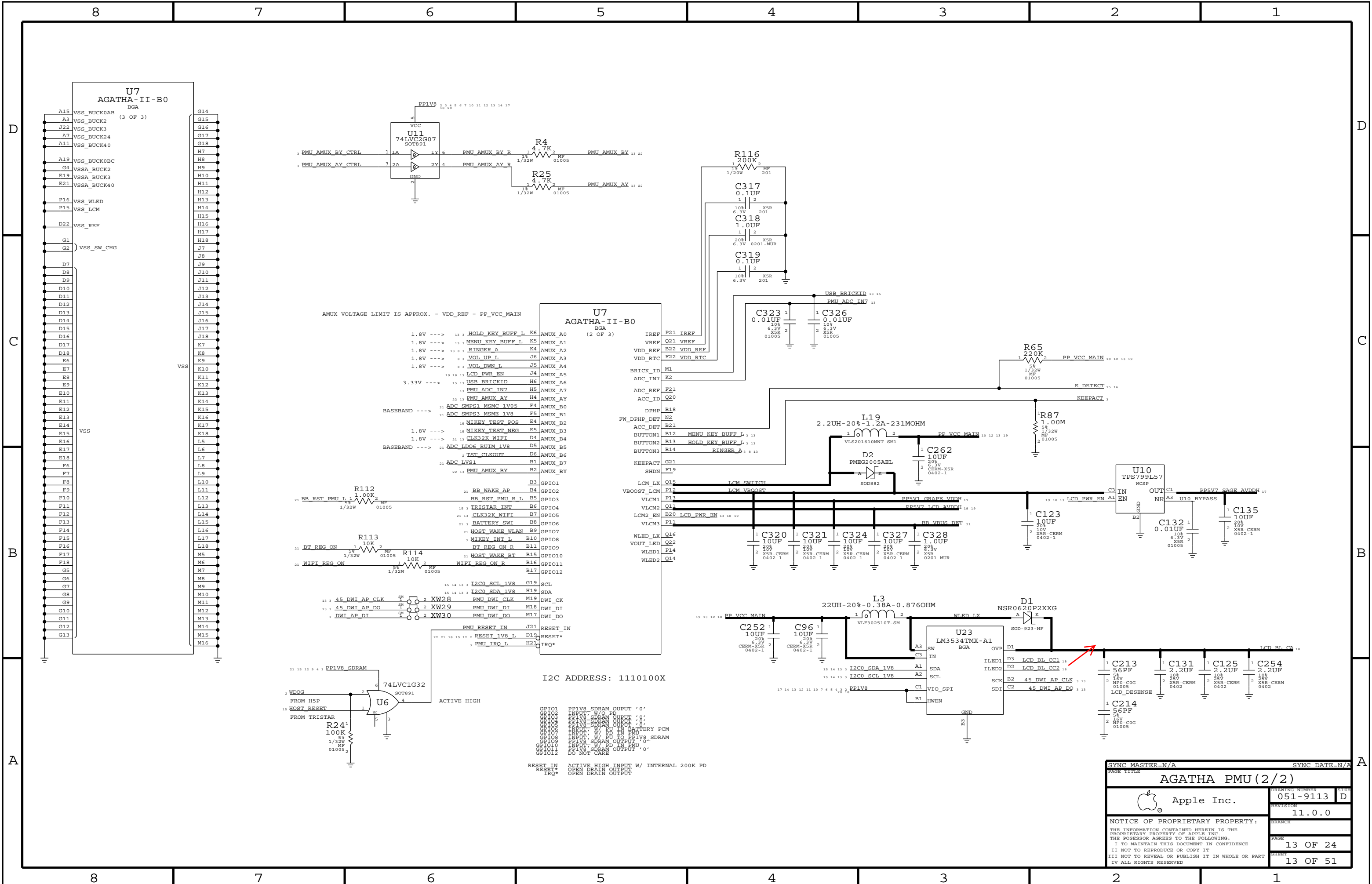
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8	7	6	5	4	3	2	1
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D



C

## B



## A



8	7	6	5	4	3	2	1
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```

1500HM-25%-200MA-0.7DCR
PP1V8_COMP 1 2 PP1V8 2 3 4 5 6 7 10 11 12 13 14 17
01005

FL38
1500HM-25%-200MA-0.7DCR
PP3V0_COMP 1 2 PP3V0_IMU 12 14
01005

FL40
1500HM-25%-200MA-0.7DCR
I2C_SCL_COMP 1 2 I2C1_SCL_1V8 3
01005

FL41
1500HM-25%-200MA-0.7DCR
I2C_SDA_COMP 1 2 I2C1_SDA_1V8 3
01005


FL42
1500HM-25%-200MA-0.7DCR
COMP_INT_2 1 2 COMPASS_INT_2 3
01005

FL55
1500HM-25%-200MA-0.7DCR
ACCEL_INT1_FL 1 2 ACCEL_INT1 3
01005

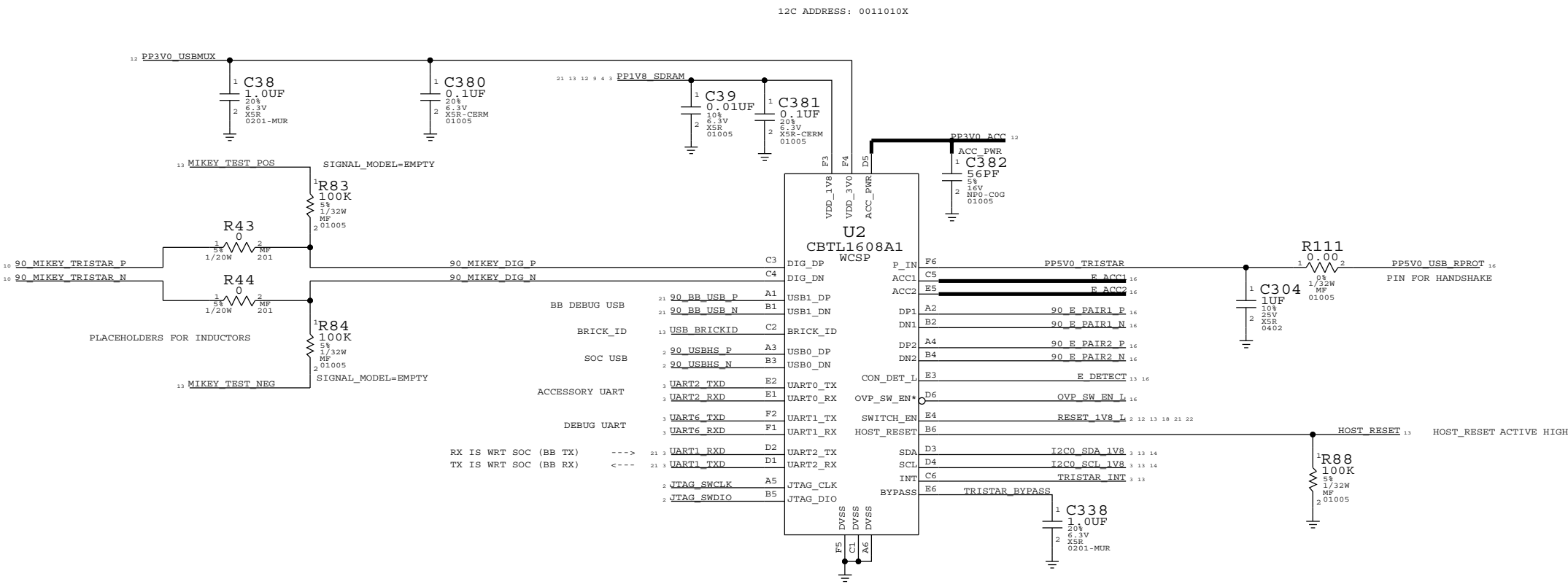
FL56
1500HM-25%-200MA-0.7DCR
ACCEL_INT2_FL 1 2 ACCEL_INT2_L 3
01005

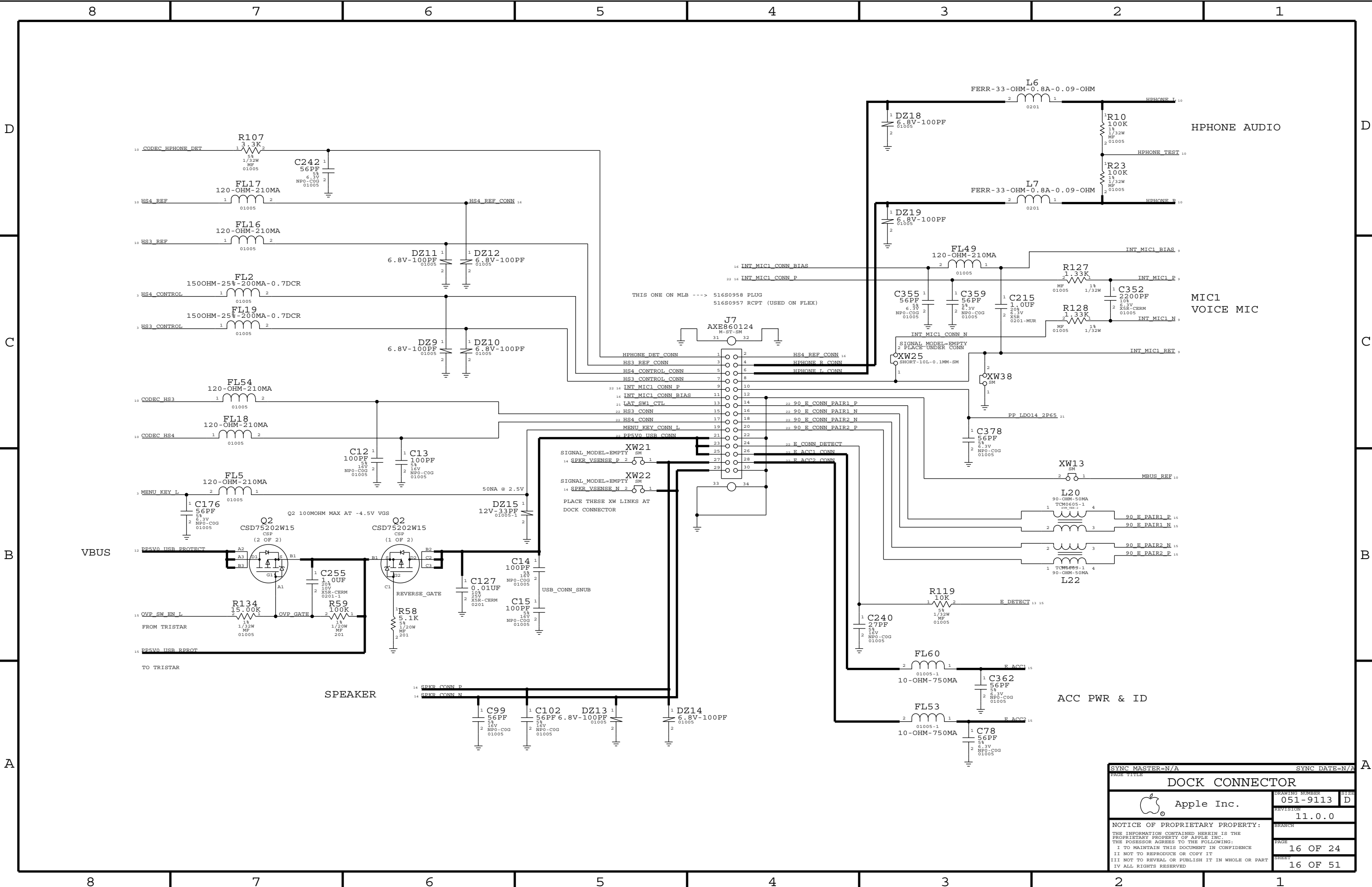
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


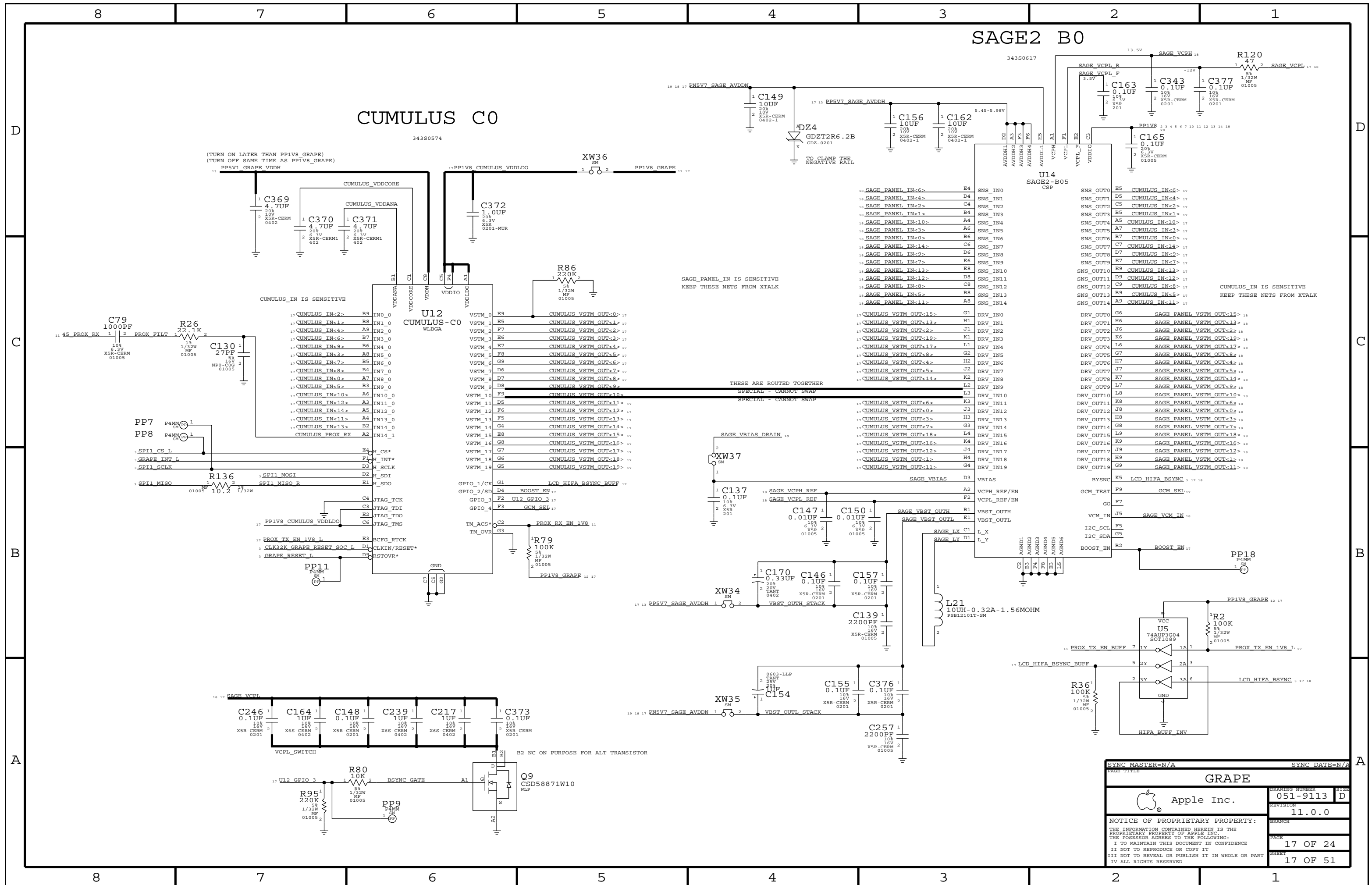
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ACCEL, GYRO, COMPASS, SPK AMP			
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TRISTAR





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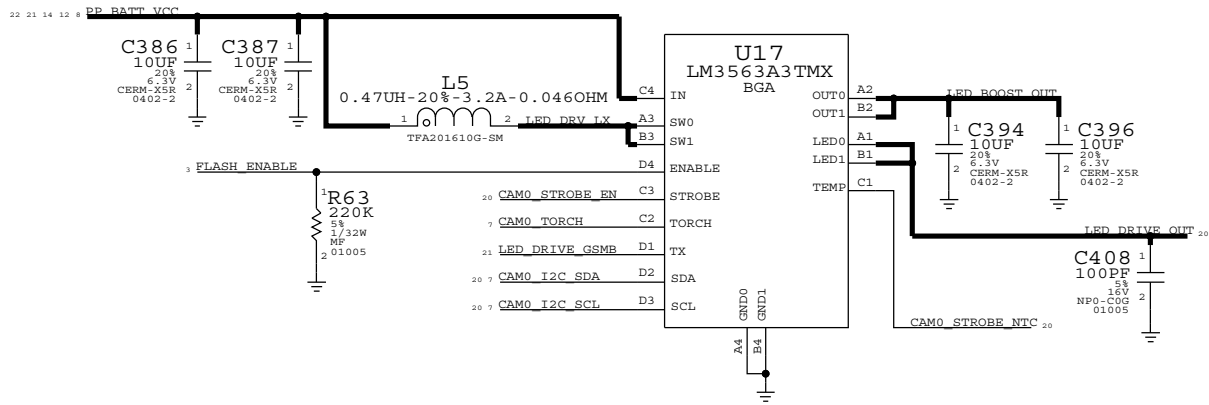
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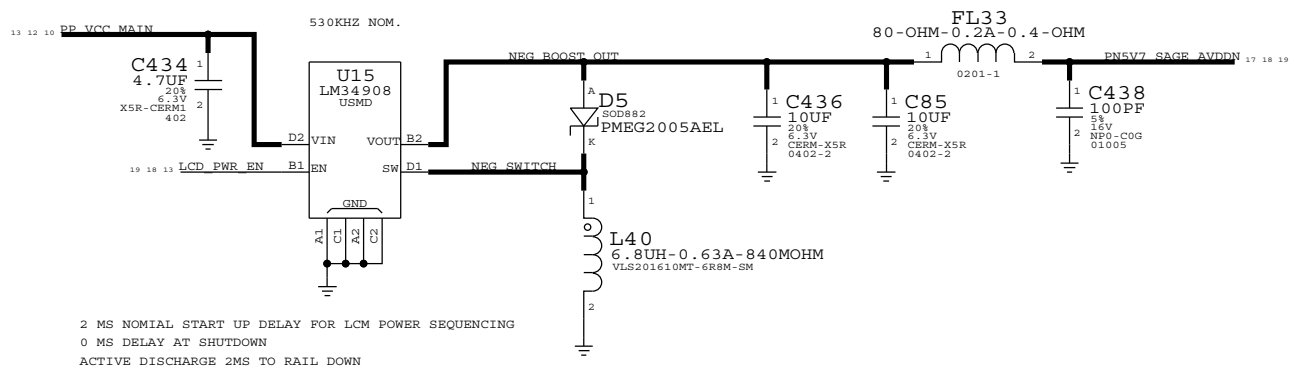
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## LED DRIVER

I2C ADDRESS: 1100011X

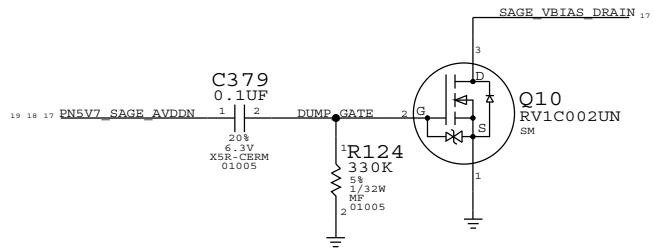


## NEGATIVE BOOST SUPPLY

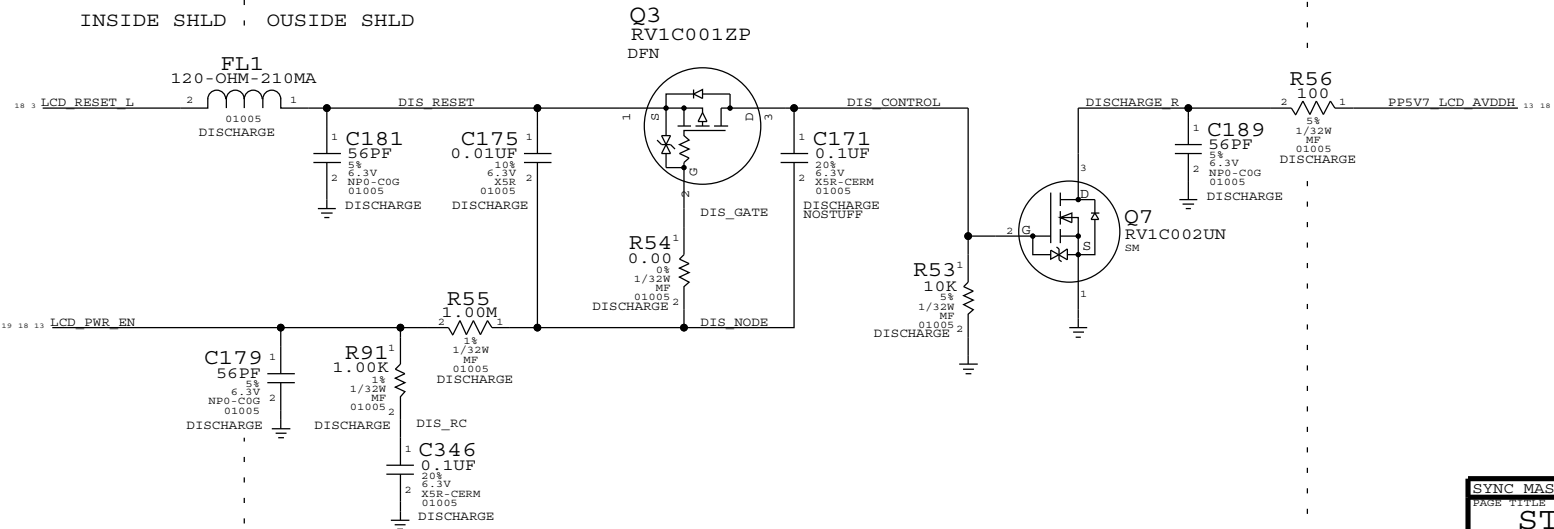


2 MS NOMIAL START UP DELAY FOR LCM POWER SEQUENCING  
0 MS DELAY AT SHUTDOWN  
ACTIVE DISCHARGE 2MS TO RAIL DOWN

## SAGE\_VBIAS DISCHARGE

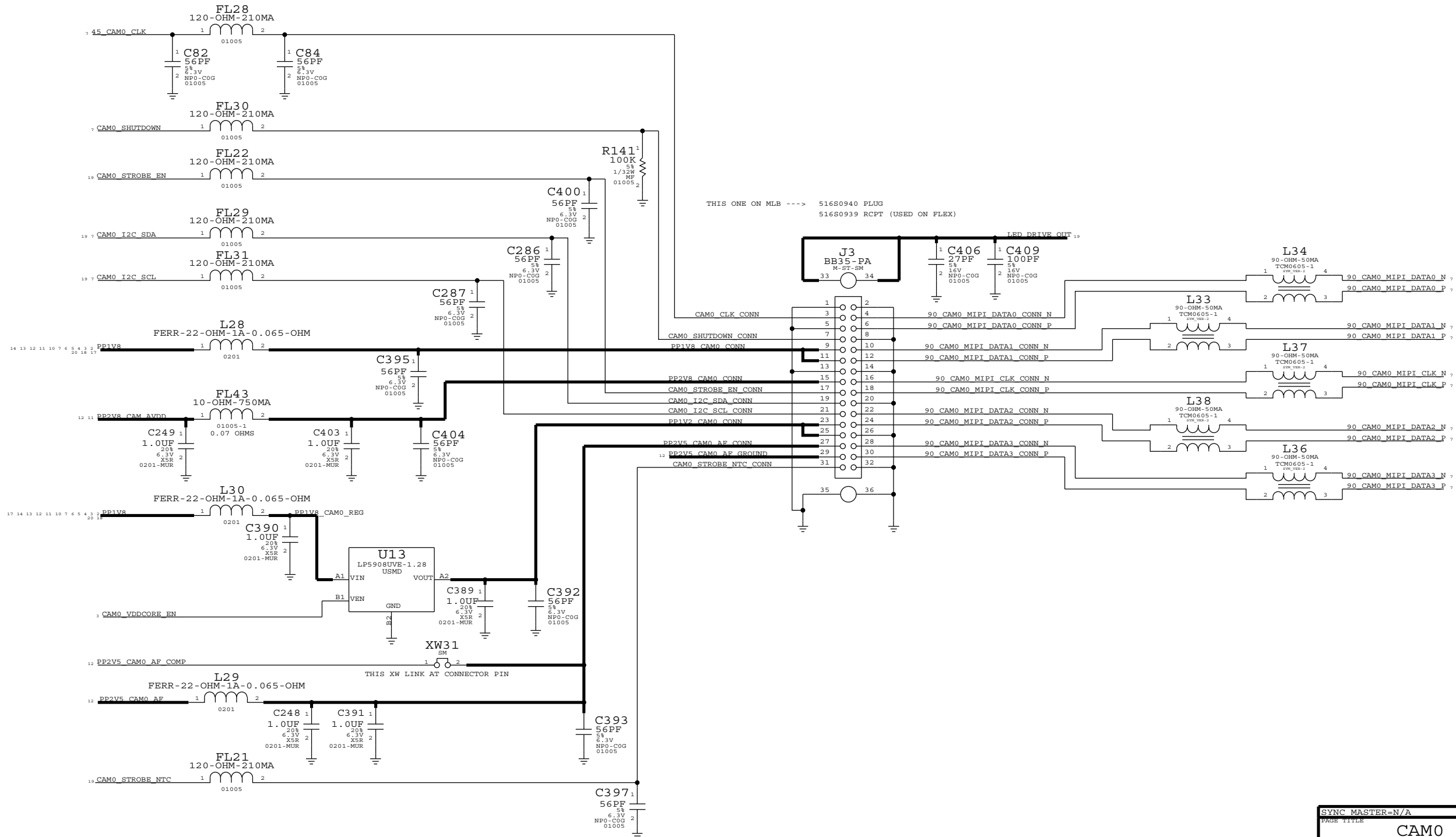


## THIS CIRCUIT IS BEHIND THE SIM TRAY



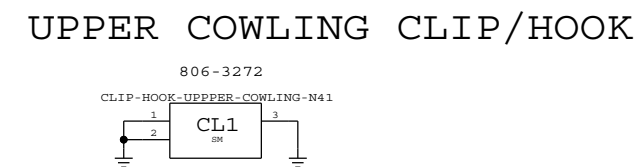
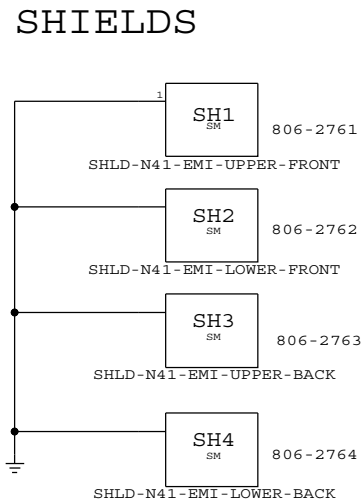
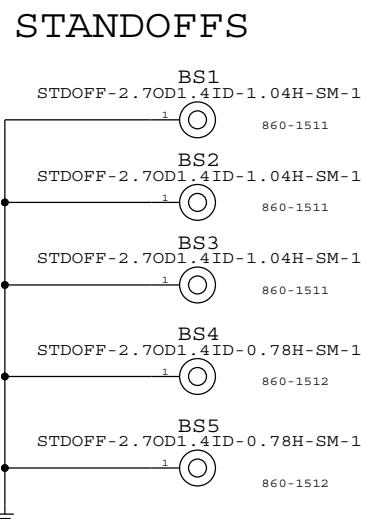
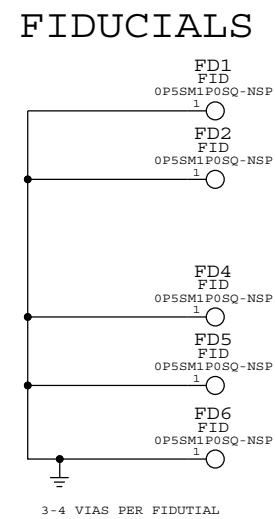
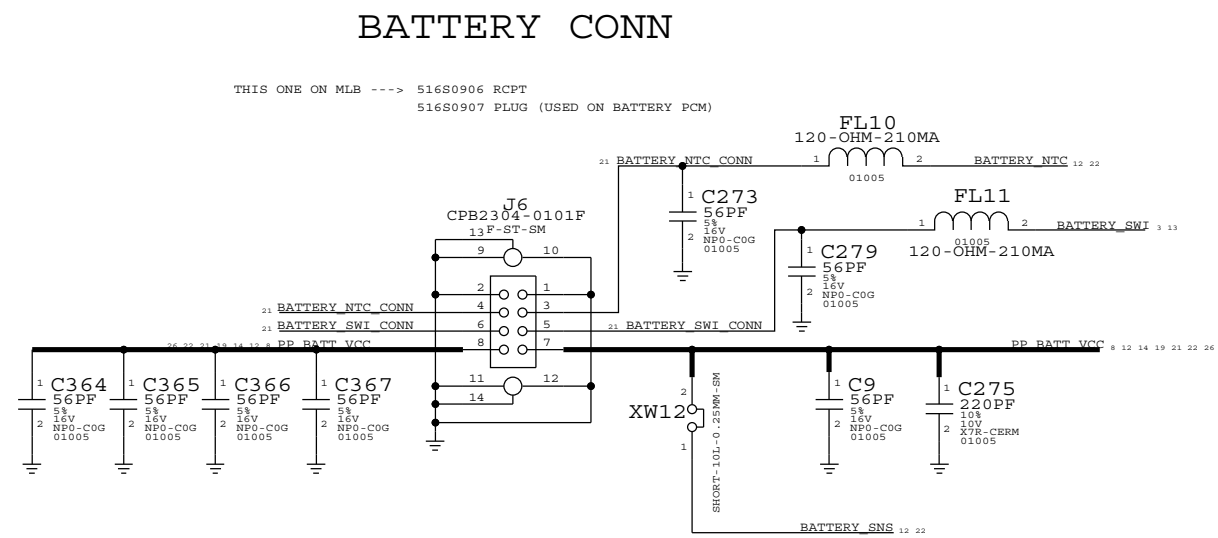
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CAM0: MAIN CAMERA CONNECTOR




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CAM0 CONNECTOR		CAM0 CONNECTOR	
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		SUBDESIGN_SUFFIX=RF		I594	
26	22 21 19 14 12 8	PP_BATT_VCC	MAKE BASE=TRUE	PP_BATT_VCC_CONN	AP_HSIC3_RDY
26	3	RADIO_ON_L	MAKE BASE=TRUE	RADIO_ON_L	DEV_HSIC3_RDY
26	3	BB_RESET_DET_L	MAKE BASE=TRUE	RESET_DET_L	BB_JTAG_TCK
26	13	BB_RST_FMU_L	MAKE BASE=TRUE	RESET_PMU_L	BB_JTAG_TDI
26	13	BB_RST_L	MAKE BASE=TRUE	BB_RST_L	BB_JTAG_TMS
26	13	BB_WAKE_AP	MAKE BASE=TRUE	HOST_WAKE_BB	BB_JTAG_TRST_L
26	22 18 15 13 12	RESET_1V8_L	MAKE BASE=TRUE	RF_RESET_L	BB_JTAG_TDO
26	3	PBL_RUN_BB_HSIC1_RDY	MAKE BASE=TRUE	PBL_RUN_BB_HSIC1_RDY	
30	3	BB_HSIC1_REMOTE_WAKE	MAKE BASE=TRUE	BB_HSIC1_REMOTE_WAKE	
30	19	LED_DRIVE_GSMB	MAKE BASE=TRUE	TX_GTR_THRESH	
26	13	BB_VBUS_DET	MAKE BASE=TRUE	BB_USB_VBUS	
26	15	90_BB_USB_N	MAKE BASE=TRUE	90_BB_USB_D_N	
26	15	90_BB_USB_P	MAKE BASE=TRUE	90_BB_USB_D_P	
26	3	UART1_RTS_L	MAKE BASE=TRUE	BB_UART_CTS_L	RADIO_MLB
26	3	UART1_CTS_L	MAKE BASE=TRUE	BB_UART_RTS_L	
26	15	UART1_TXD	MAKE BASE=TRUE	BB_UART_RXD	
26	15	UART1_RXD	MAKE BASE=TRUE	BB_UART_TXD	
30	3	BB_PP_SYNC	MAKE BASE=TRUE	PP_SYNC	
30	3	45_I2S1_BCLK	MAKE BASE=TRUE	BB_I2S_CLK	
30	3	I2S1_DOUT	MAKE BASE=TRUE	BB_I2S_RXD	
30	3	I2S1_DIN	MAKE BASE=TRUE	BB_I2S_TXD	
30	3	I2S1_LRCLK	MAKE BASE=TRUE	BB_I2S_WS	
26	13	ADC_SMPS1_MSMC_1V05	MAKE BASE=TRUE	ADC_SMPS1_MSMC_1V05	
26	13	ADC_SMPS3_MSME_1V8	MAKE BASE=TRUE	ADC_SMPS3_MSME_1V8	
26	13	ADC_LDO6_RUIM_1V8	MAKE BASE=TRUE	ADC_LDO6_RUIM_1V8	
26	13	ADC_LVS1	MAKE BASE=TRUE	ADC_LVS1	
42	15 13 12 9 4	PPIV8_SDRAM	MAKE BASE=TRUE	PP_WL_BT_VDDIO_AP	
26	13	WIFI_REG_ON	MAKE BASE=TRUE	WLAN_REG_ON	
26	13	BT_REG_ON	MAKE BASE=TRUE	BT_REG_ON	
42	3	UART4_TXD	MAKE BASE=TRUE	WLAN_UART_RXD	
42	3	UART4_RXD	MAKE BASE=TRUE	WLAN_UART_TXD	
42	13	HOST_WAKE_WLAN	MAKE BASE=TRUE	HOST_WAKE_WLAN	
26	3	BT_WAKE	MAKE BASE=TRUE	BT_WAKE	
42	13	CLK32K_WIFI	MAKE BASE=TRUE	CLK32K_AP	
42	13	HOST_WAKE_BT	MAKE BASE=TRUE	HOST_WAKE_BT	
42	3	UART3_RTS_L	MAKE BASE=TRUE	BT_UART_CTS_L	
42	3	UART3_CTS_L	MAKE BASE=TRUE	BT_UART_RTS_L	
26	3	UART3_TXD	MAKE BASE=TRUE	BT_UART_RXD	
26	3	UART3_RXD	MAKE BASE=TRUE	BT_UART_TXD	
42	3	45_I2S3_BCLK	MAKE BASE=TRUE	BT_PCM_CLK	
42	3	I2S3_DOUT	MAKE BASE=TRUE	BT_PCM_IN	
42	3	I2S3_DIN	MAKE BASE=TRUE	BT_PCM_OUT	
42	3	I2S3_LRCLK	MAKE BASE=TRUE	BT_PCM_SYNC	
26	2	50_HSIC1_DATA	MAKE BASE=TRUE	50_HSIC_BB_DATA	
26	2	50_HSIC1_STB	MAKE BASE=TRUE	50_HSIC_BB_STROBE	
30	3	AP_WAKE_MODEM	MAKE BASE=TRUE	AP_WAKE_MODEM	
42	3	50_HSIC3_DATA	MAKE BASE=TRUE	50_HSIC_WLAN_DATA	
42	2	50_HSIC3_STB	MAKE BASE=TRUE	50_HSIC_WLAN_STROBE	
26	3	AP_HSIC1_RDY	MAKE BASE=TRUE	AP_HSIC1_RDY	
27	16	PP_LDO14_2P65	MAKE BASE=TRUE	PP_LDO14_2P65	
26	16	LAT_SW1_CTL	MAKE BASE=TRUE	LAT_SW1_CTL	
42	3	WLAN_HSIC3_RESUME	MAKE BASE=TRUE	WLAN_HSIC3_RESUME	

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

## B13/17 BOM OPTIONS

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

## DCDC BOM OPTIONS

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

## WIFI BOM OPTIONS

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

## SINGING CAP BOM OPTIONS

NEED TO COPY FROM AP TABLE  
WHEN STAN FINISHES

## B13/17 BOM OPTIONS

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

## B2 PAD BOM OPTIONS

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

## DIVERISTY MODULE BOM OPTIONS

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

## B3/DCS1800 BOM OPTIONS

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

## B3/B4 RX BOM OPTIONS


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

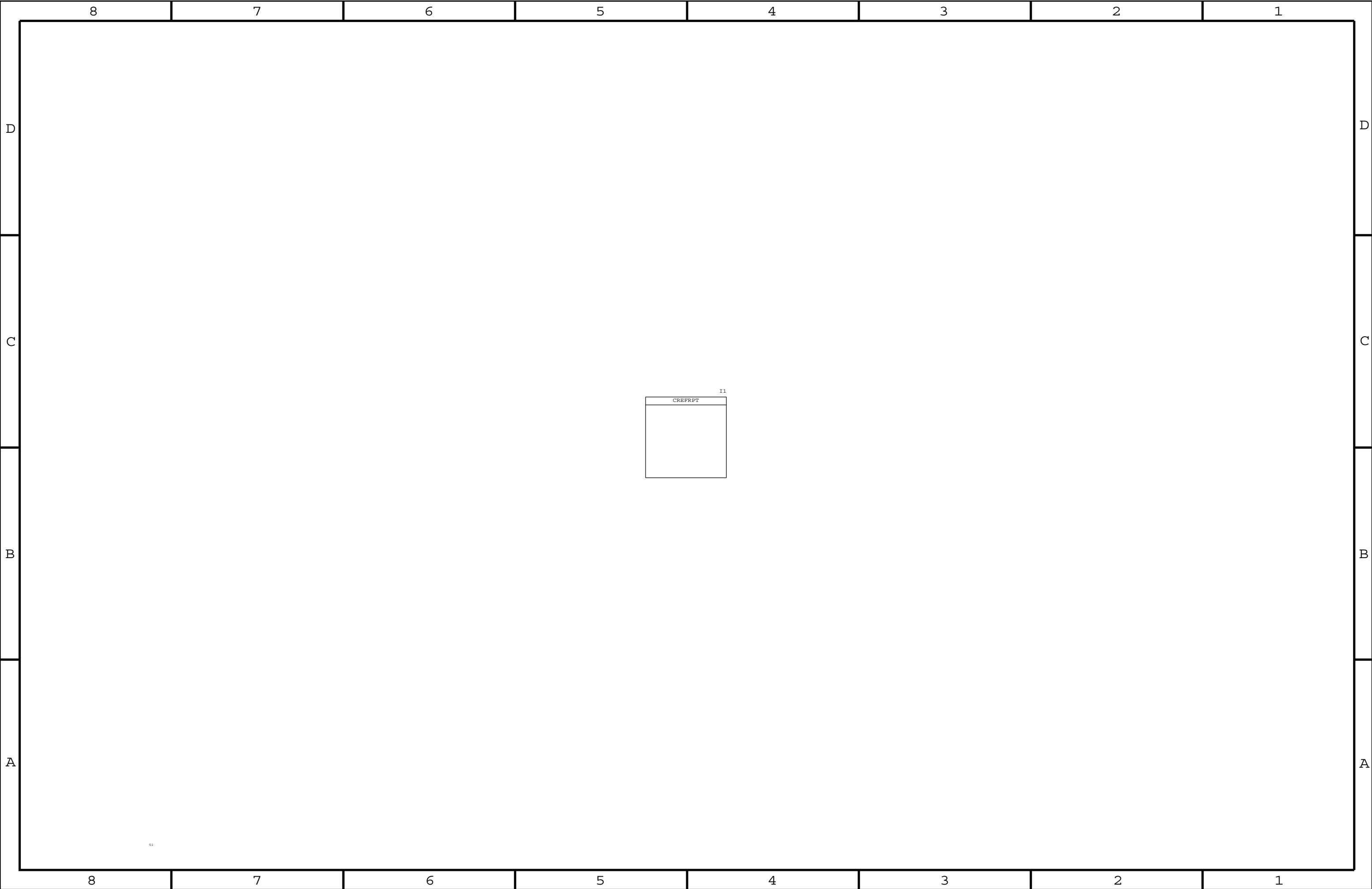
## B3/B4 TX BOM OPTIONS

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

## B3/B4 BOM OPTIONS

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

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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

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N41 RADIO\_MLB SUBDESIGN

RADIO - 04/30/2012: SUBDESIGN

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14

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15

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16

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BOM OPTION TABLES

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

SCH # : 051-9119

BOM (B4\_17) : 639-2482

BOM (B3\_13) : 639-3241

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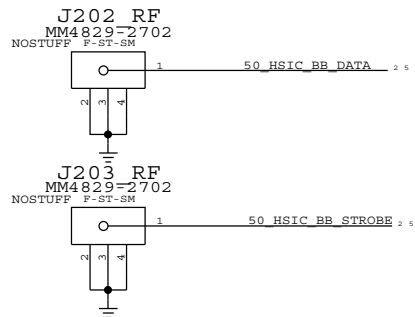
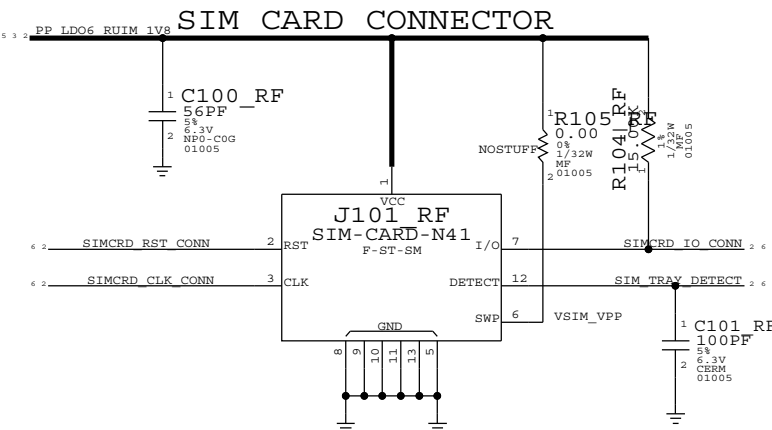
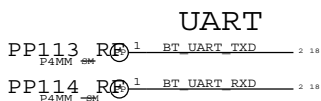
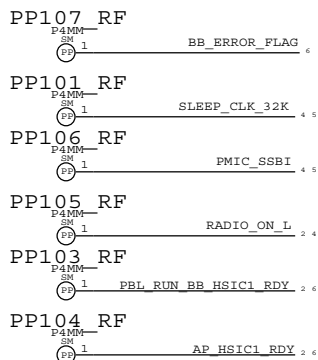
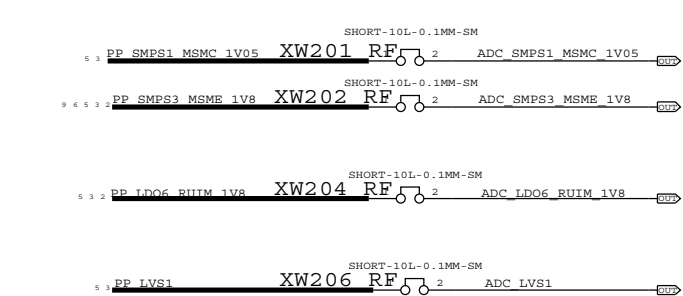
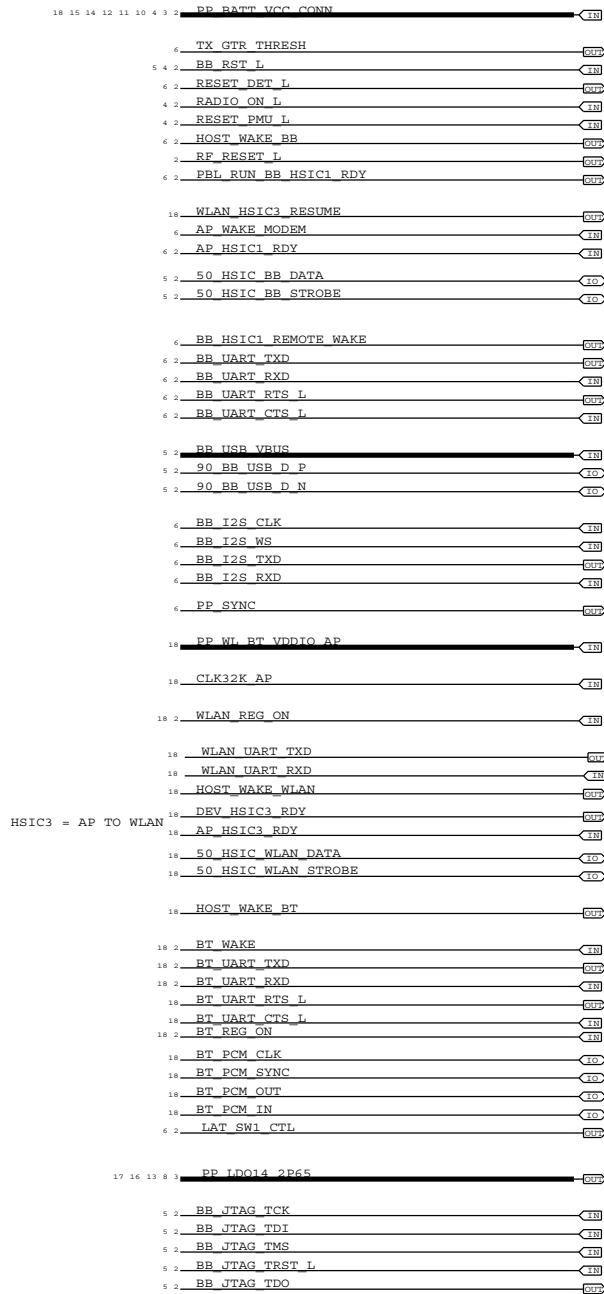
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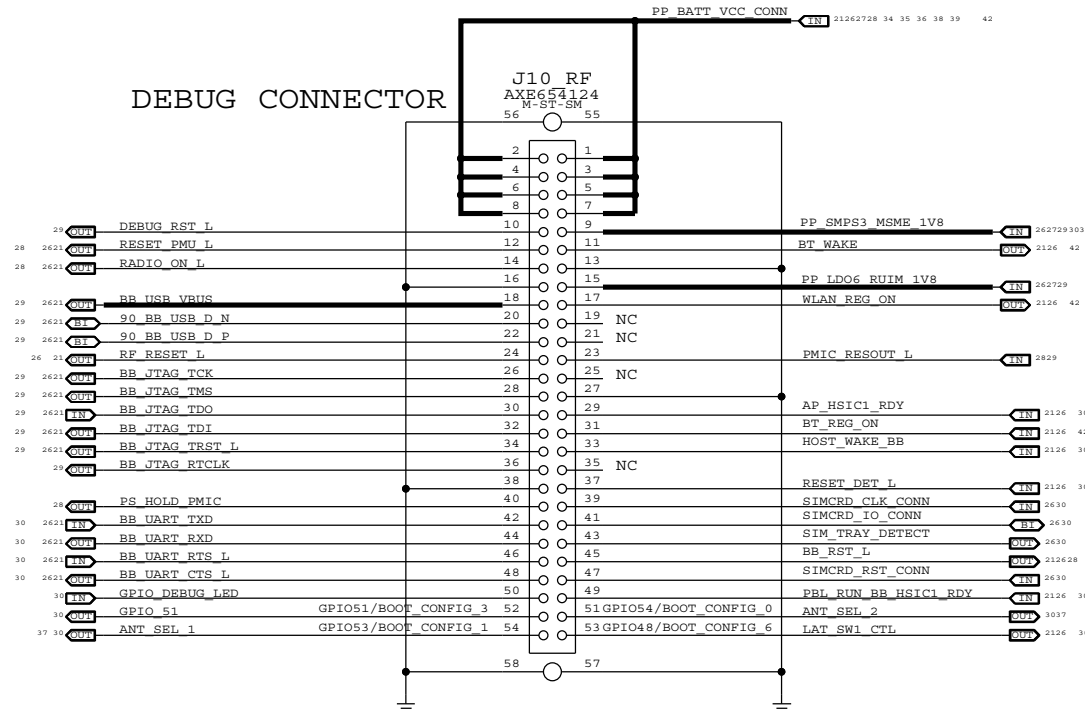
# AP INTERFACE & DEBUG CONNECTOR

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## AP CONNECTIONS




## DEBUG CONNECTOR



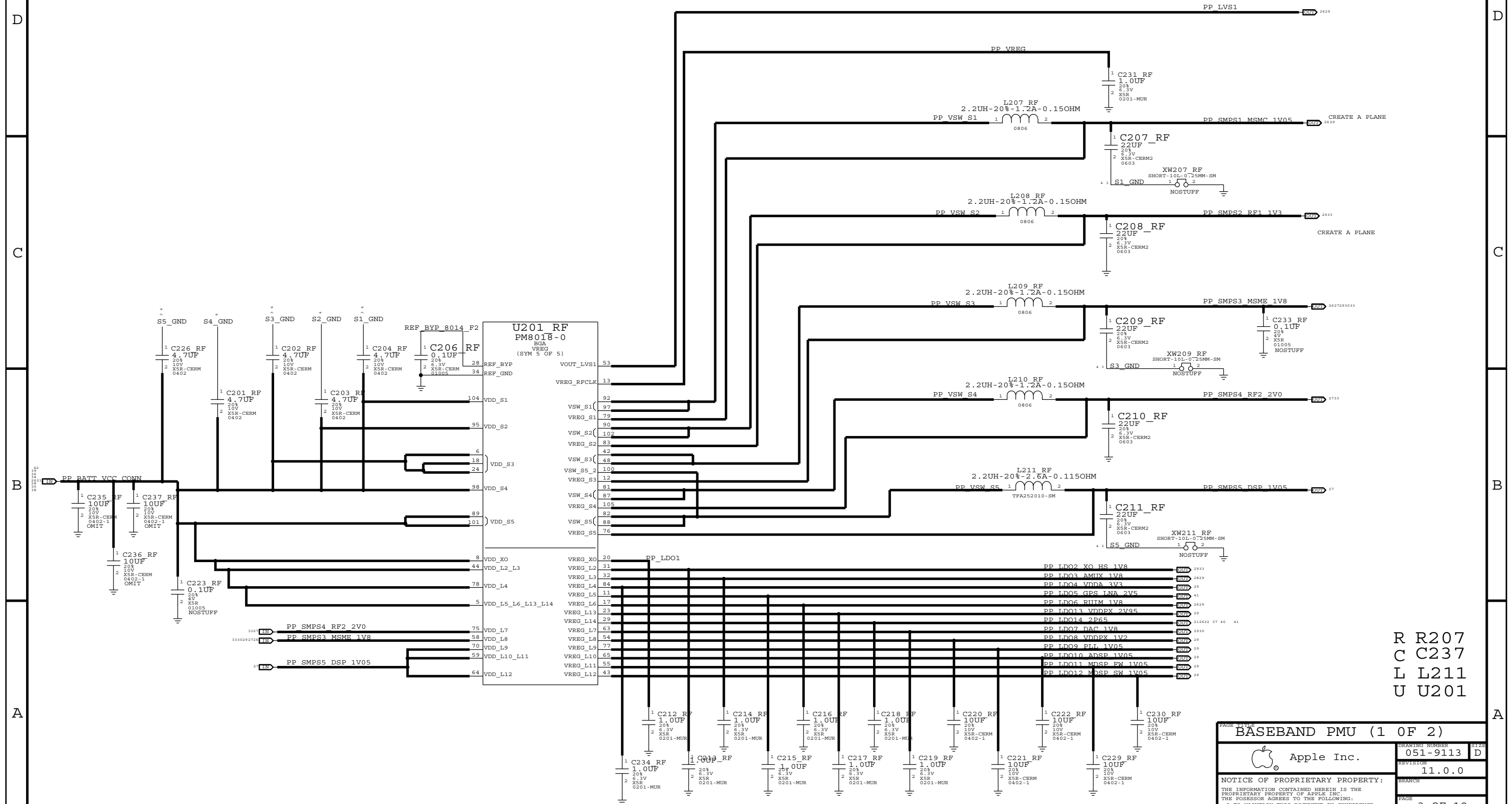
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BOOT_NAND_OPTION	0X01	X	1	0	0	0	0	0	1	X	
BOOT_HSIC_OPTION	0X02	X	1	0	0	0	0	1	0	X	
BOOT_USB_OPTION	0X03	X	1	0	0	0	0	1	1	X	
ENABLE SAHARA PROTOCOL	0X08	X	1	0	0	1	0	X	X	X	

R R105  
C C101  
XWXW206  
DZDZ101  
U U101


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R R207
C C237
L L211
U U201
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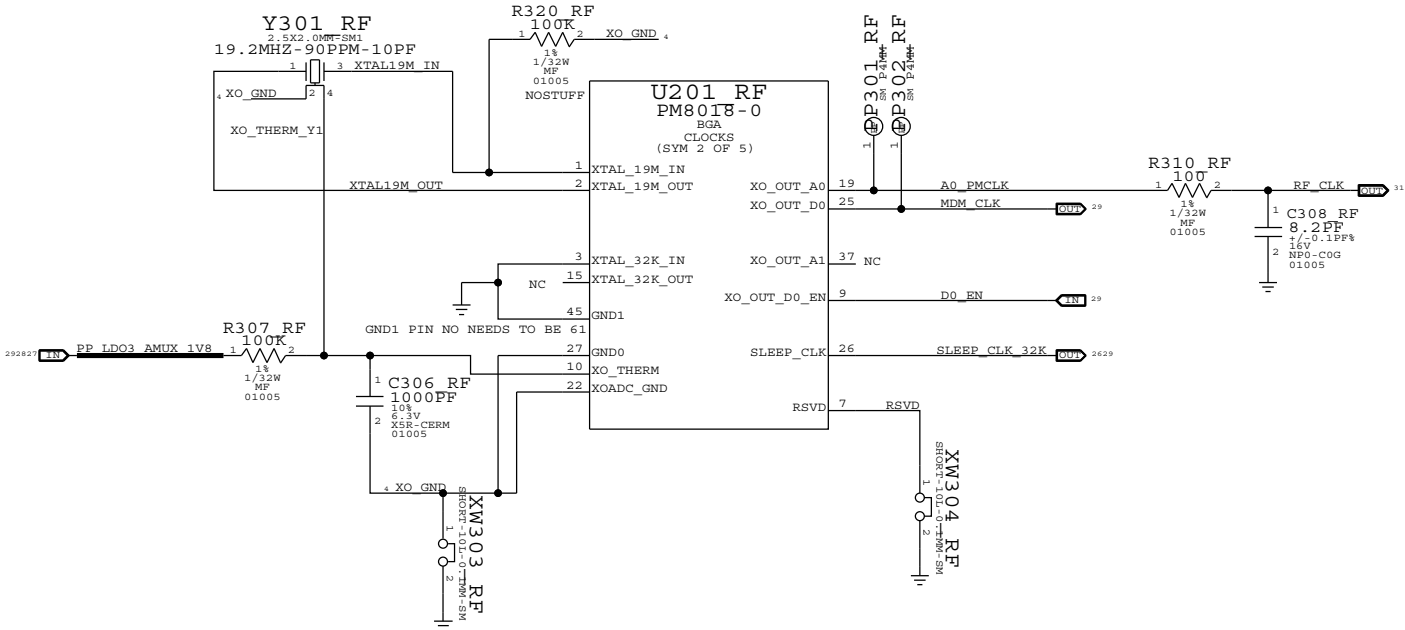
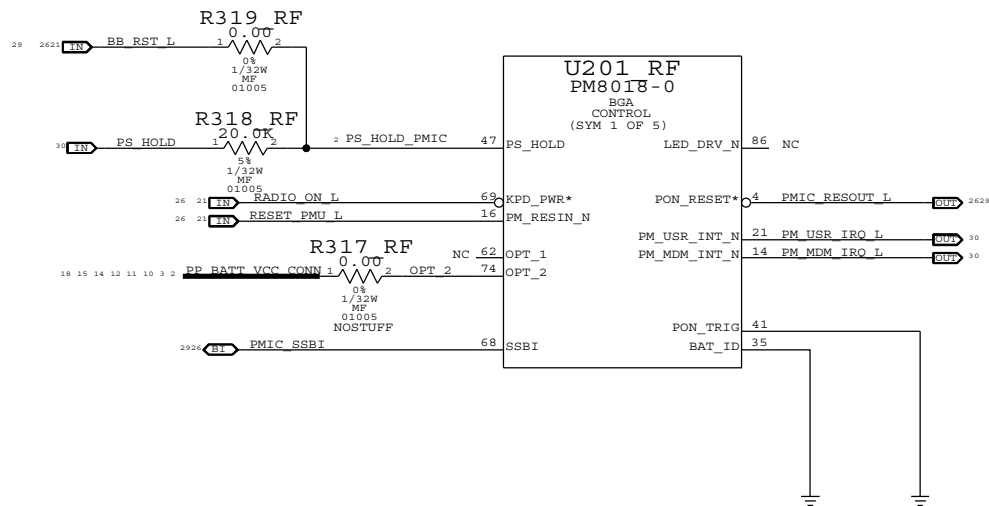
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BASEBAND PMU (2 OF 2)


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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

PA_ID	PA CONFIG
0.25V >0.2V && <0.4V	B4_17 MAIN
0.50V >0.4V && <0.6V	BUILD MATRIX
0.70V >0.6V && <0.8V	BUILD MATRIX
1.10V >1.0V && <1.2V	B3_13 MAIN
1.30V >1.2V && <1.4V	BUILD MATRIX
1.50V >1.4V && <1.6V	BUILD MATRIX

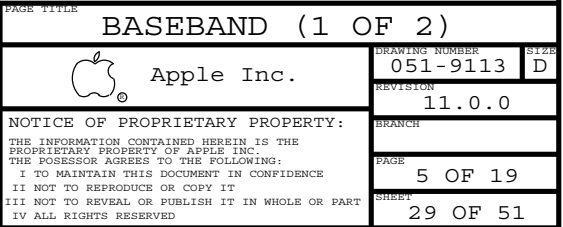


R R320  
C C309  
L LXXX  
U U301  
XW XW305

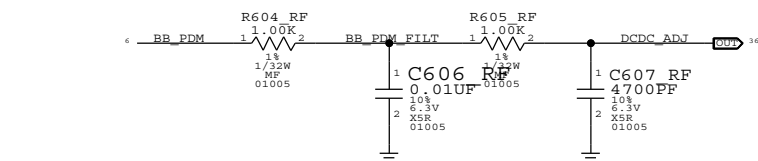
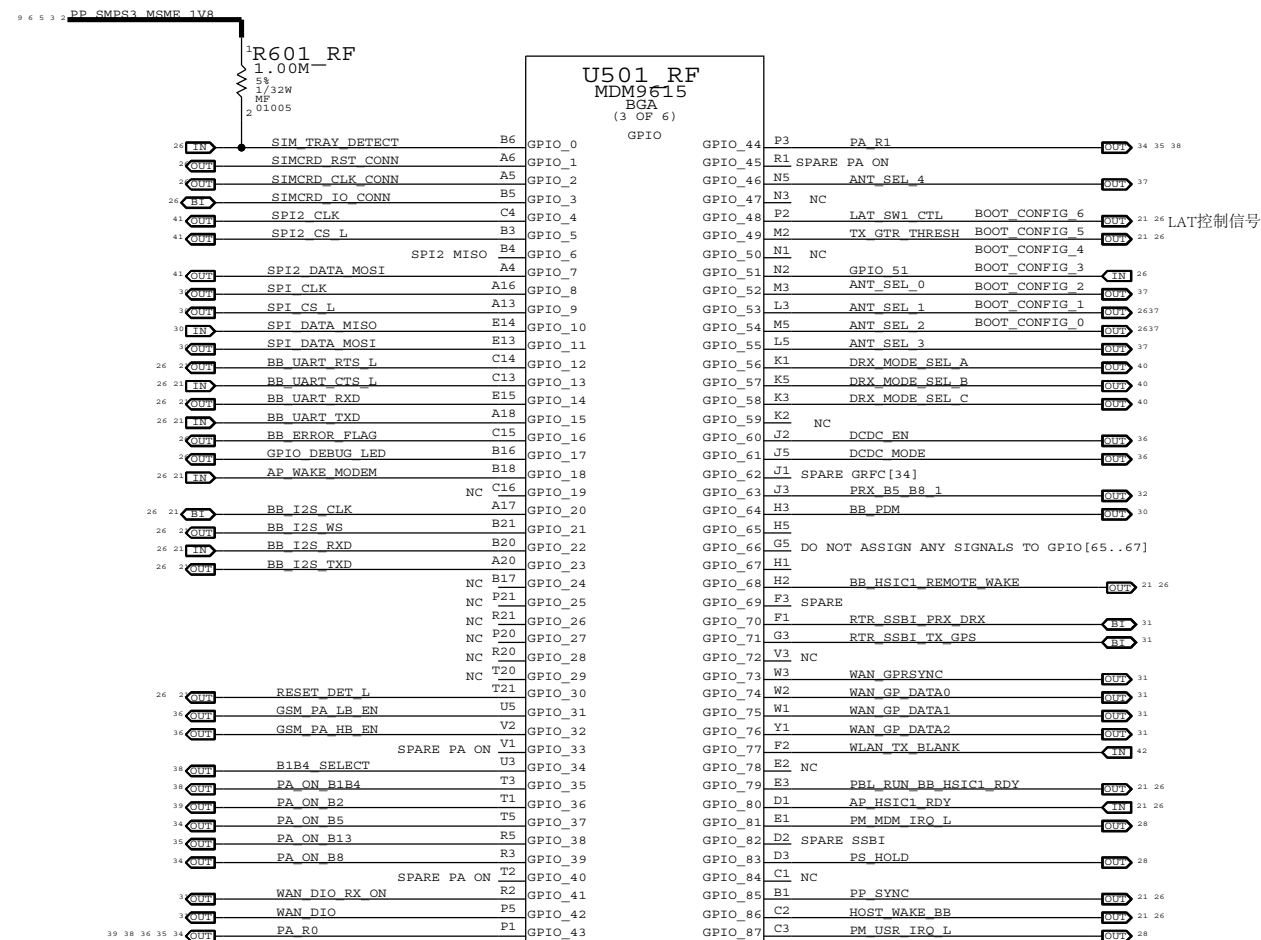
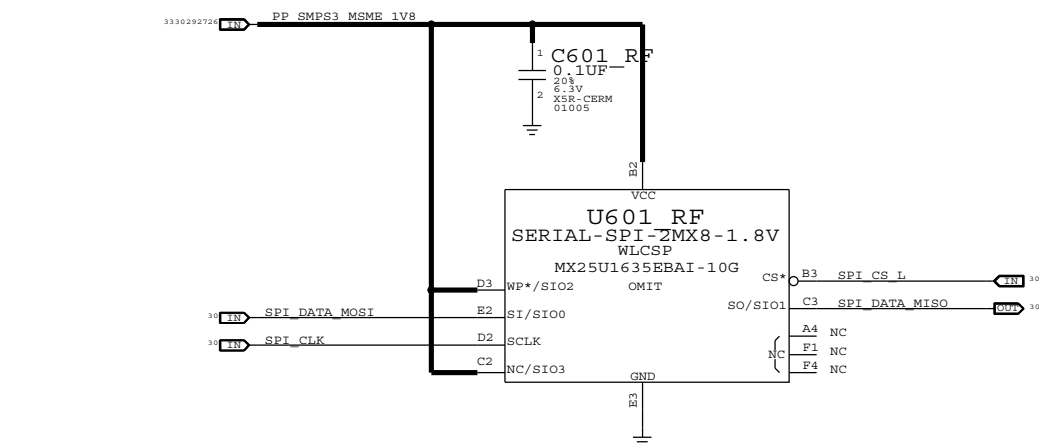
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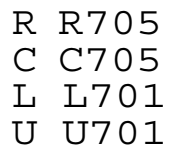
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R  R608
C  C609
L  L601
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		SHEET	30 OF 51

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# RF TRANSCEIVER SWITCHING NETWORKS (2 OF 3)

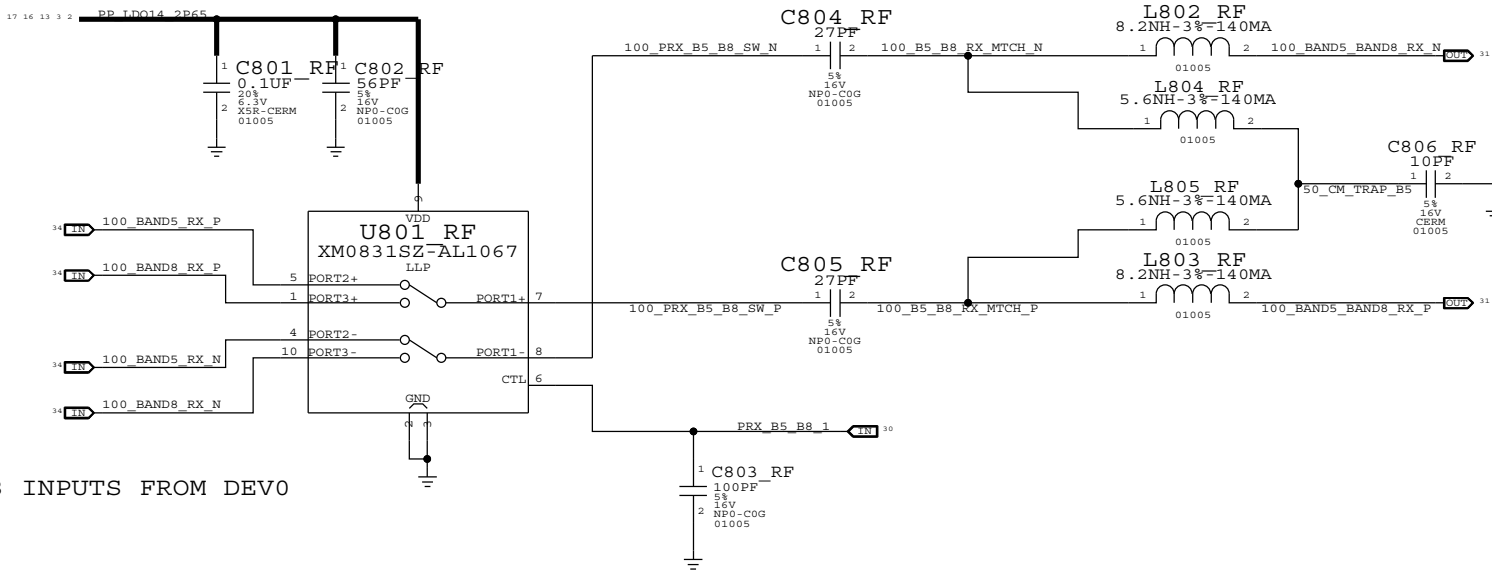
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BAND 5/BAND 8 PRX TRANSCEIVER SWITCH


XM0830SZ SWITCH LOGIC

PRX_B5_B8	ACTIVE BAND	PORT
=====	=====	=====
HIGH	8	PORT 1 TO PORT 3
LOW	5	PORT 1 TO PORT 2

SWAPPED BAND5 AND BAND8 INPUTS FROM DEVO



R RXXX  
C C806  
L L803  
U U801


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	SIZE	D

## A



**U701 RF  
TRANSCIVER**  
BGA196  
(4 OF 4)

Pin Label	Function / Signal
A1	GND64
A2	GND65
A3	GND66
A13	GND67
A14	GND68
B1	GND69
B3	GND70
B14	GND71
D3	DNC2
E2	DNC3
E3	DNC4
G1	DNC5
G3	DNC6
H3	DNC7
DNC8	K1
DNC9	K2
DNC10	K3
DNC11	L3
DNC12	P2
GND72	U1
GND73	U2
GND74	U3
DNC13	U6
DNC14	U9
GND75	U12
GND76	V1
DNC15	V7
GND77	V14

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# BAND 5/8 PAD

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D

C

B

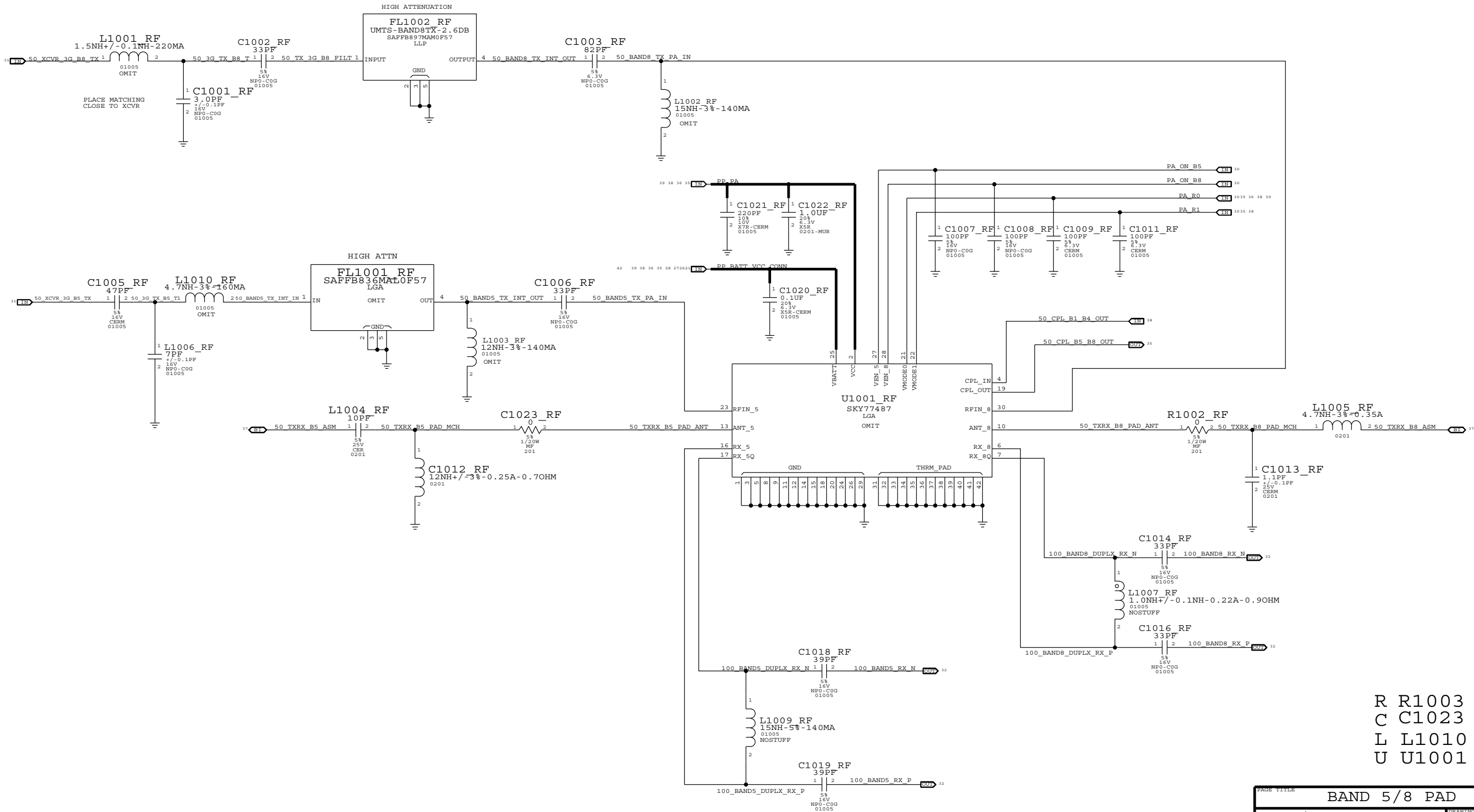
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D


C

B

A

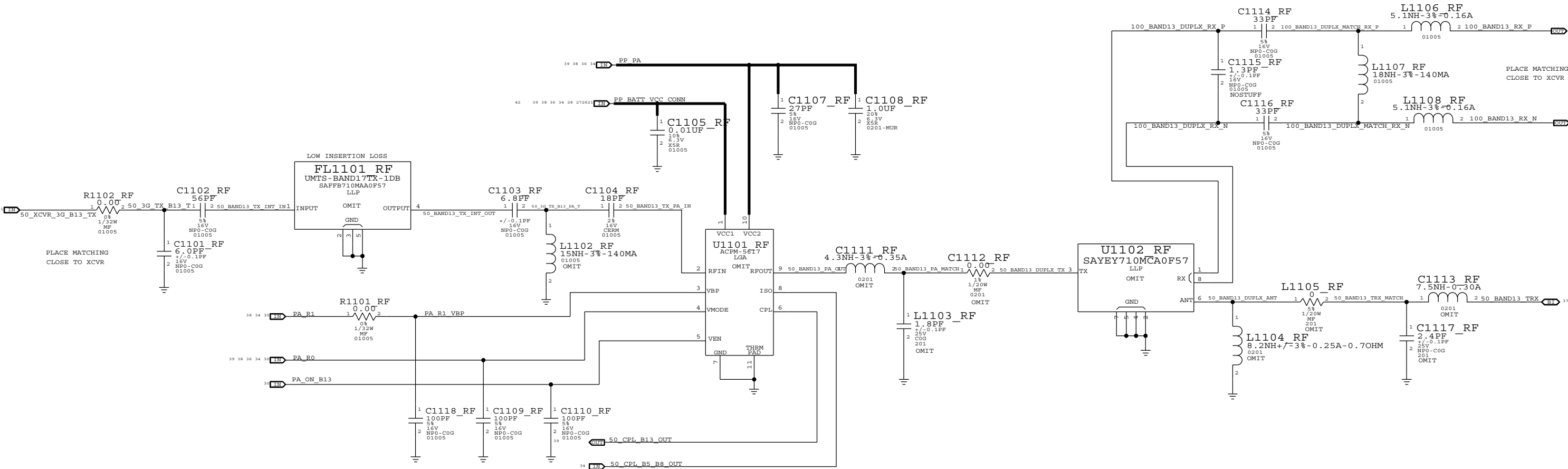


R R1003  
C C1023  
L L1010  
U U1001

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# B13/17 INTERSTAGE, PA, AND DUPLER


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FLFL1101  
R R1102  
C C1118  
L L1108  
U U1102

## PA POWER MODES

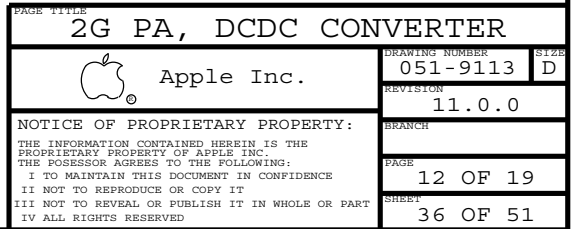
MODE	PA_R0	PA_R1
LOW	HIGH	HIGH
MEDIUM	LOW	HIGH
HIGH	LOW	LOW

BAND 13 PA		
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## A

 $\Delta$ 

R	R1209
C	C1220
L	L1207
U	U1202






## A

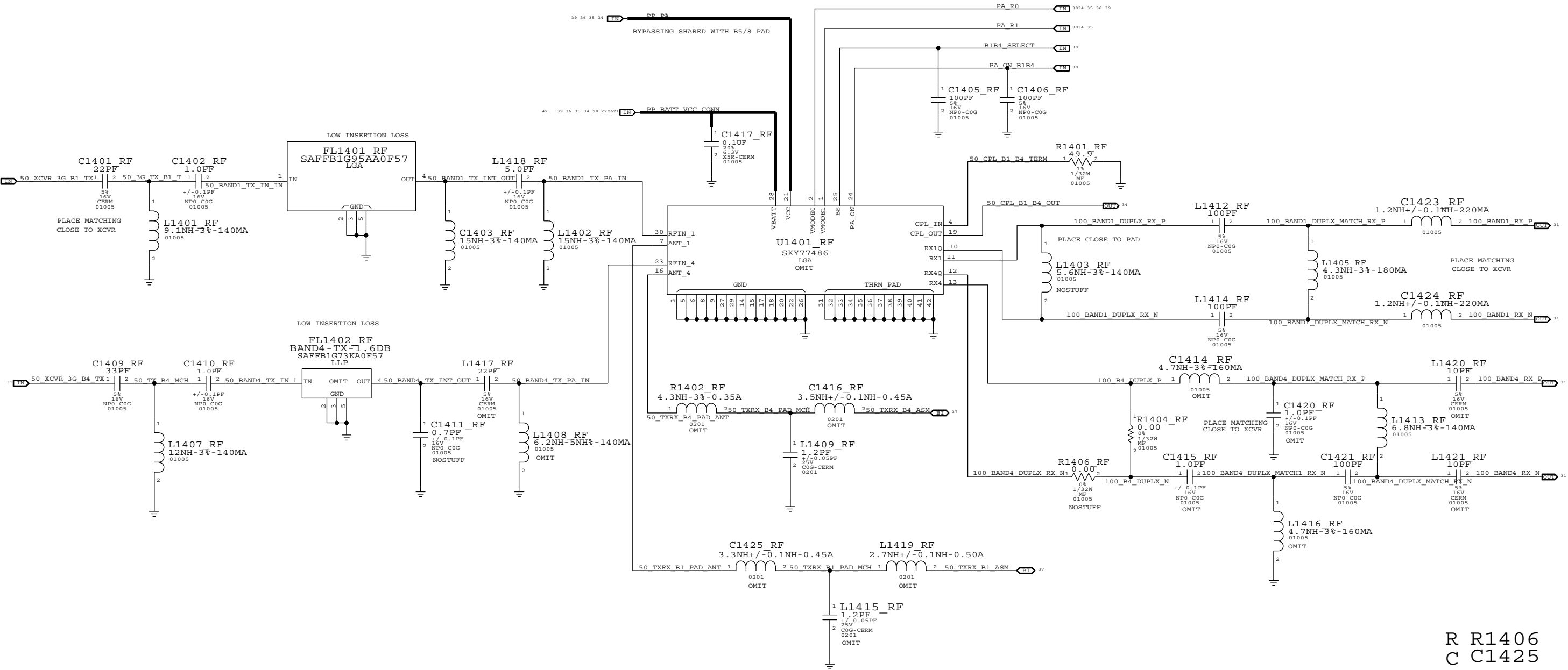
A




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# BAND 1/4 PAD

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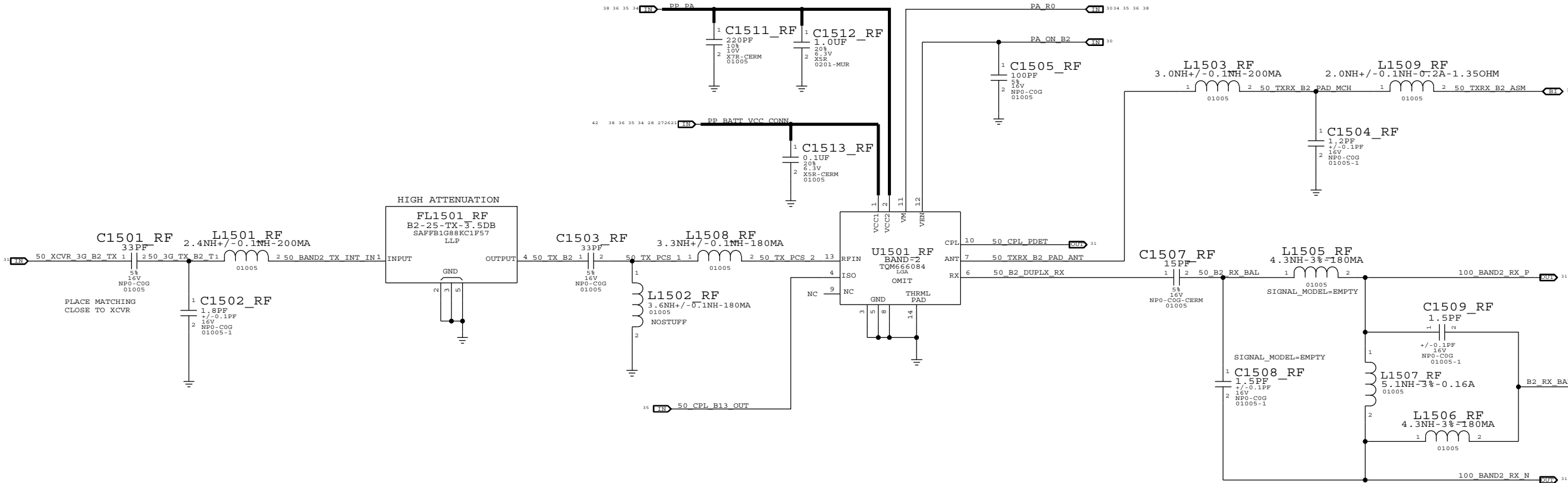


R R1406  
C C1425  
L L1422  
U U1401  
FL FL1101


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BAND 1/4 PAD		
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# BAND2 PAD

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R R1501  
C C1513  
L L1509  
U U1501  
FL FL1501

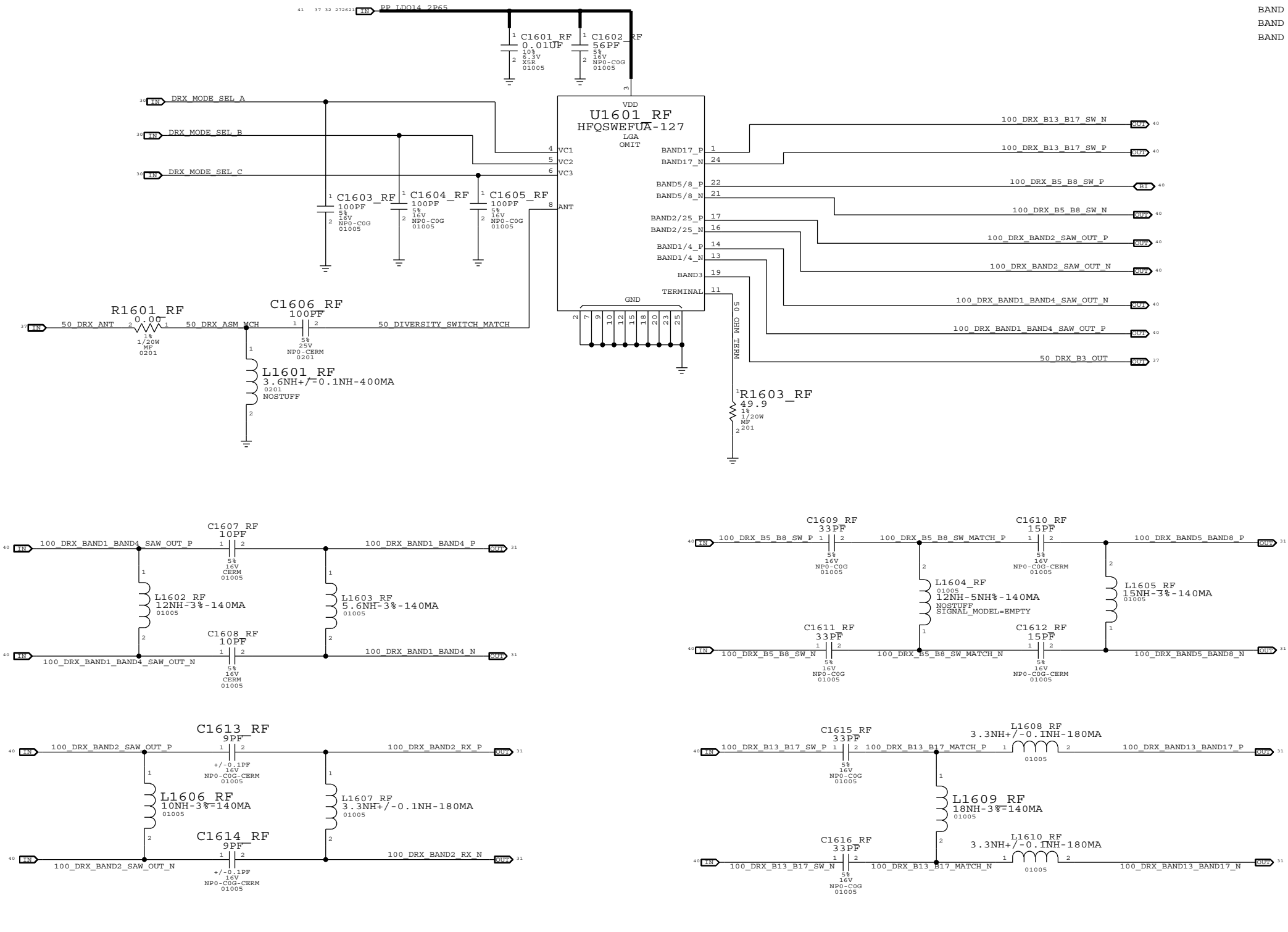
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BAND2 PAD		
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# RX DIVERSITY


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## DIVERSITY MODULE LOGIC

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



R.R1603  
C C1616  
L L1610  
U U1601

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RX DIVERSITY		
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GPS

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UPPER\_ANT\_GPS

LOWER\_ANT

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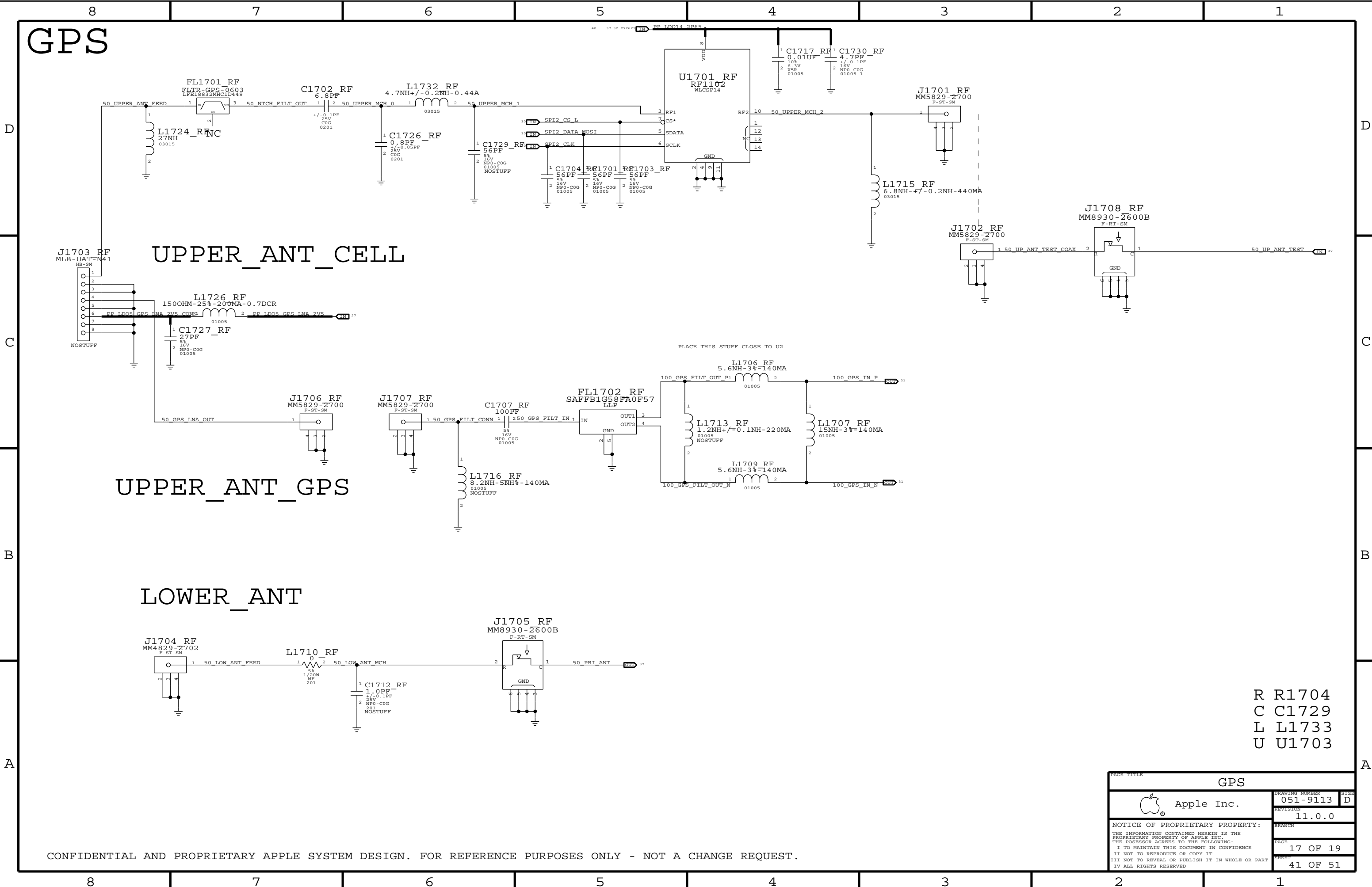
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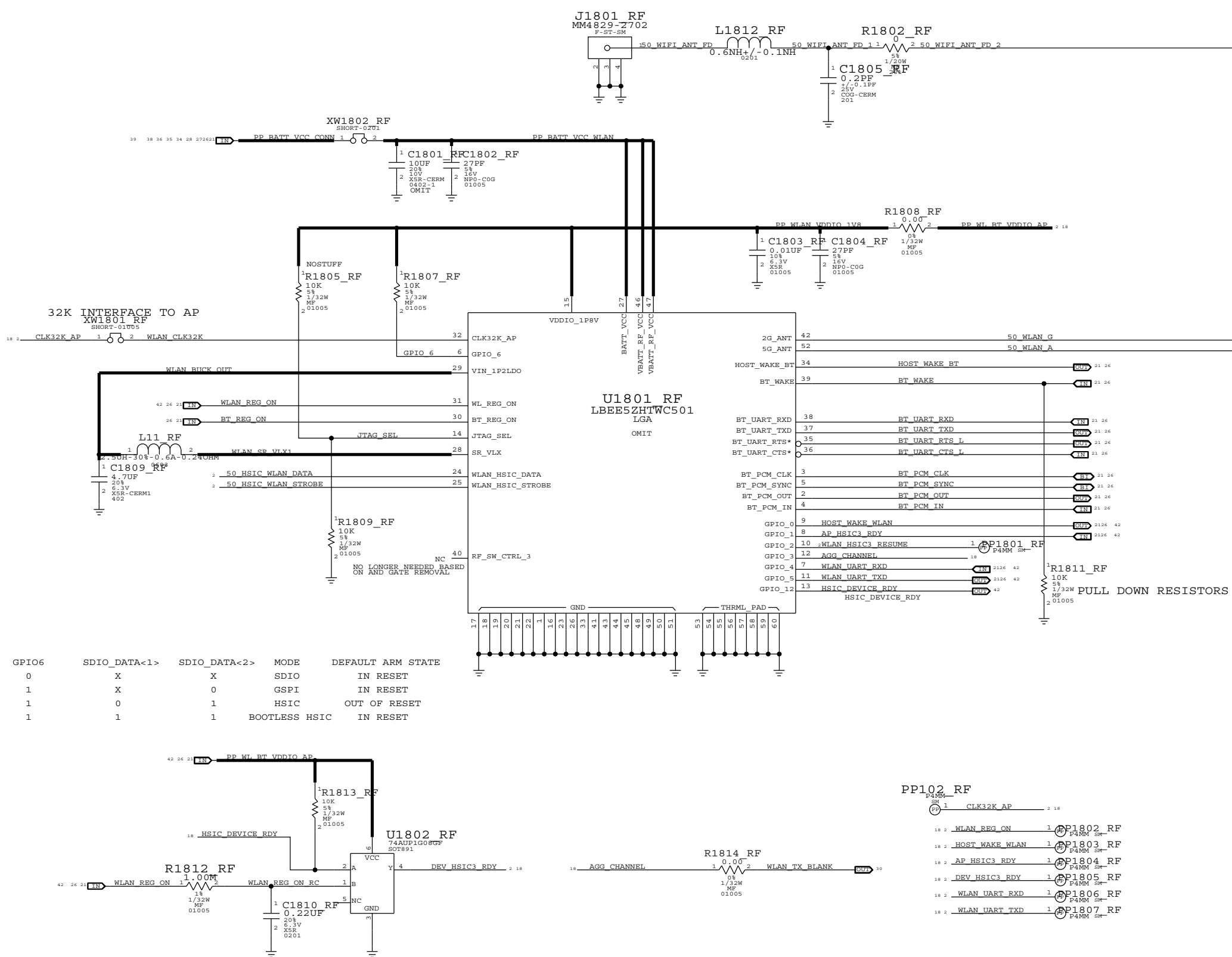
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## WLAN/BT

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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 BAND5E/8 PAD	U1001_RF	Y	B3_13
155S0552	1	BAND5 TX SAW	FL1001_RF	Y	B4_17
155S0742	1	BAND5/BC10 TX SAW	FL1001_RF	Y	B3_13
152S1563	1	1.5NH, INDUCTOR - MURATA	L1001_RF	Y	B4_17
152S1662	1	1.5NH, INDUCTOR - TDK	L1001_RF	Y	B3_13
152S1577	1	15NH, INDUCTOR - MURATA	L1002_RF	Y	B4_17
152S1665	1	15NH, INDUCTOR - TDK	L1002_RF	Y	B3_13
152S1576	1	12NH, INDUCTOR - MURATA	L1003_RF	Y	B4_17
152S1664	1	12NH, INDUCTOR - TDK	L1003_RF	Y	B3_13
152S1570	1	4.7NH, INDUCTOR - MURATA	L1010_RF	Y	B4_17
152S1663	1	4.7NH, INDUCTOR - TDK	L1010_RF	Y	B3_13

## B13/17 BOM OPTIONS

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

## DCDC BOM OPTIONS

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

## WIFI BOM OPTIONS

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

## SINGING CAP BOM OPTIONS

NEED TO COPY FROM AP TABLE  
WHEN STAN FINISHES

## B13/17 BOM OPTIONS

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

## B2 PAD BOM OPTIONS

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

## DIVERISTY MODULE BOM OPTIONS

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

## B3/DCS1800 BOM OPTIONS

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

## B3/B4 RX BOM OPTIONS


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

## B3/B4 TX BOM OPTIONS

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

## B3/B4 BOM OPTIONS

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

PAGE TITLE		
RADIO BOM OPTIONS		
 Apple Inc.	DRAWING NUMBER	051-9113
	REVISION	11.0.0
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[illegible]



8			7			6			5			4			3			2			1		
D	CUMULUS_IN<4>	CUMULUS_IN<4> - @single_brd.lib.SINGLE_BRD	17C7	17D2	E_ACC2_CONN	E_ACC2_CONN - @single_brd.lib.SINGLE_BRD	16B4	22B4	HS4_REF_CONN	HS4_REF_CONN - @single_brd.lib.SINGLE_BRD	16C4	16D5	INT_MIC3_RET	@single_brd.lib.SINGLE_BRD	INT_MIC3_RET -	11C4							
	CUMULUS_IN<5>	CUMULUS_IN<5> - @single_brd.lib.SINGLE_BRD	17C2	17C7	E_CONN_DETECT	E_CONN_DETECT - @single_brd.lib.SINGLE_BRD	16C4	22B5	I2C0_SCL_V18	I2C0_SCL_V18 - @single_brd.lib.SINGLE_BRD	3D2	13A4 13B6 14B1 14D6	IREF	@single_brd.lib.SINGLE_BRD	IREF - @single_brd.lib.SINGLE_BRD	13C5							
	CUMULUS_IN<6>	CUMULUS_IN<6> - @single_brd.lib.SINGLE_BRD	17C7	17D2	E_CONN_TP	E_CONN_TP - @single_brd.lib.SINGLE_BRD	22B4		I2C0_SDA_V18	I2C0_SDA_V18 - @single_brd.lib.SINGLE_BRD	3D2	13A4 13B6 14B1 14D6	IRLED_DRAIN	IRLED_DRAIN - @single_brd.lib.SINGLE_BRD	IRLED_DRAIN - @single_brd.lib.SINGLE_BRD	11C4							
	CUMULUS_IN<7>	CUMULUS_IN<7> - @single_brd.lib.SINGLE_BRD	17C2	17C7	E_DETECT	E_DETECT - @single_brd.lib.SINGLE_BRD	13C2	15B4 16B2	I2C1_SCL_V18	I2C1_SCL_V18 - @single_brd.lib.SINGLE_BRD	3D2	14A5	IRLED_K	IRLED_K - @single_brd.lib.SINGLE_BRD	IRLED_K - @single_brd.lib.SINGLE_BRD	11C4							
	CUMULUS_IN<8>	CUMULUS_IN<8> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FLASH_ENABLE	FLASH_ENABLE - @single_brd.lib.SINGLE_BRD	3B5	19C7	I2C1_SDA_V18	I2C1_SDA_V18 - @single_brd.lib.SINGLE_BRD	3D2	14A5	JTAG_SWCLK	JTAG_SWCLK - @single_brd.lib.SINGLE_BRD	JTAG_SWCLK - @single_brd.lib.SINGLE_BRD	2B6	15B5						
	CUMULUS_IN<9>	CUMULUS_IN<9> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FM10_ALE	FM10_ALE - @single_brd.lib.SINGLE_BRD	6B7	6C3	I2C2_SCL_V18	I2C2_SCL_V18 - @single_brd.lib.SINGLE_BRD	3D2	11B8	JTAG_SWDIO	JTAG_SWDIO - @single_brd.lib.SINGLE_BRD	JTAG_SWDIO - @single_brd.lib.SINGLE_BRD	2B6	15B5						
	CUMULUS_IN<10>	CUMULUS_IN<10> - @single_brd.lib.SINGLE_BRD	17C7	17D2	FM10_CEN0	FM10_CEN0 - @single_brd.lib.SINGLE_BRD	6C3	6C8	I2C2_SDA_V18	I2C2_SDA_V18 - @single_brd.lib.SINGLE_BRD	3D2	11B8	KEEPACT	KEEPACT - @single_brd.lib.SINGLE_BRD	KEEPACT - @single_brd.lib.SINGLE_BRD	3B7	13C2						
	CUMULUS_IN<11>	CUMULUS_IN<11> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FM10_CLE	FM10_CLE - @single_brd.lib.SINGLE_BRD	6B7	6C3	I2C_SCL_ALS	I2C_SCL_ALS - @single_brd.lib.SINGLE_BRD	11C5		L19_FILT	L19_FILT - @single_brd.lib.SINGLE_BRD	L19_FILT - @single_brd.lib.SINGLE_BRD	14D4							
	CUMULUS_IN<12>	CUMULUS_IN<12> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FM10_DQVREF	FM10_DQVREF - @single_brd.lib.SINGLE_BRD	6B3	6B6 6B6 6B7 6B7 6C5	I2C_SCL_COMP	I2C_SCL_COMP - @single_brd.lib.SINGLE_BRD	14A6	14A7 14B6	L19_IREF	L19_IREF - @single_brd.lib.SINGLE_BRD	L19_IREF - @single_brd.lib.SINGLE_BRD	14C4							
	CUMULUS_IN<13>	CUMULUS_IN<13> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FM10_IO<0>	FM10_IO<0> - @single_brd.lib.SINGLE_BRD	6B6	6C4 6C8	I2C_SDA_ALS	I2C_SDA_ALS - @single_brd.lib.SINGLE_BRD	11C5		L19_LDO_FILT	L19_LDO_FILT - @single_brd.lib.SINGLE_BRD	L19_LDO_FILT - @single_brd.lib.SINGLE_BRD	14D4							
C	CUMULUS_IN<14>	CUMULUS_IN<14> - @single_brd.lib.SINGLE_BRD	17C2	17C7	FM10_IO<1>	FM10_IO<1> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2C_SDA_COMP	I2C_SDA_COMP - @single_brd.lib.SINGLE_BRD	14A6	14A7 14B6	L19_SES_N	L19_SES_N - @single_brd.lib.SINGLE_BRD	L19_SES_N - @single_brd.lib.SINGLE_BRD	14D4							
	CUMULUS_PROX_RX	CUMULUS_PROX_RX - @single_brd.lib.SINGLE_BRD	17C7		FM10_IO<2>	FM10_IO<2> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2S0_DIN	I2S0_DIN - @single_brd.lib.SINGLE_BRD	3D4	9C2	L19_SES_P	L19_SES_P - @single_brd.lib.SINGLE_BRD	L19_SES_P - @single_brd.lib.SINGLE_BRD	14D4							
	CUMULUS_VDDANA	CUMULUS_VDDANA - @single_brd.lib.SINGLE_BRD	17D7		FM10_IO<3>	FM10_IO<3> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2S0_DOUT	I2S0_DOUT - @single_brd.lib.SINGLE_BRD	3D4	9C2	L19_SWITCH	L19_SWITCH - @single_brd.lib.SINGLE_BRD	L19_SWITCH - @single_brd.lib.SINGLE_BRD	14D6							
	CUMULUS_VDDCORE	CUMULUS_VDDCORE - @single_brd.lib.SINGLE_BRD	17D7		FM10_IO<4>	FM10_IO<4> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2S0_LRCLK	I2S0_LRCLK - @single_brd.lib.SINGLE_BRD	3D4	9C2	L19_VSENSE_N	L19_VSENSE_N - @single_brd.lib.SINGLE_BRD	L19_VSENSE_N - @single_brd.lib.SINGLE_BRD	14D4							
	CUMULUS_VSTM_OUT<0>	CUMULUS_VSTM_OUT<0> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM10_IO<5>	FM10_IO<5> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2S1_DIN	I2S1_DIN - @single_brd.lib.SINGLE_BRD	3D4	21C4	L19_VSENSE_P	L19_VSENSE_P - @single_brd.lib.SINGLE_BRD	L19_VSENSE_P - @single_brd.lib.SINGLE_BRD	14D4							
	CUMULUS_VSTM_OUT<1>	CUMULUS_VSTM_OUT<1> - @single_brd.lib.SINGLE_BRD	17B3	17C5	FM10_IO<6>	FM10_IO<6> - @single_brd.lib.SINGLE_BRD	6C4	6C8	BB_I2S_TXD	BB_I2S_TXD - @single_brd.lib.RADIO_MLB (i594_page 19)	26C8	30B4	L65_FILT+	L65_FILT+ - @single_brd.lib.SINGLE_BRD	L65_FILT+ - @single_brd.lib.SINGLE_BRD	10B4							
	CUMULUS_VSTM_OUT<2>	CUMULUS_VSTM_OUT<2> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM10_IO<7>	FM10_IO<7> - @single_brd.lib.SINGLE_BRD	6C4	6C8	I2S1_DOUT	I2S1_DOUT - @single_brd.lib.SINGLE_BRD	3D4	21C4	L65_VCPFILT+	L65_VCPFILT+ - @single_brd.lib.SINGLE_BRD	L65_VCPFILT+ - @single_brd.lib.SINGLE_BRD	10C4							
	CUMULUS_VSTM_OUT<3>	CUMULUS_VSTM_OUT<3> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM10_WE_L	FM10_WE_L - @single_brd.lib.SINGLE_BRD	6B7	6C3	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB (i594_page 19)	26C8	30B4	L65_VCPFILT-	L65_VCPFILT- - @single_brd.lib.SINGLE_BRD	L65_VCPFILT- - @single_brd.lib.SINGLE_BRD	10C4							
	CUMULUS_VSTM_OUT<4>	CUMULUS_VSTM_OUT<4> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM11_ALE	FM11_ALE - @single_brd.lib.SINGLE_BRD	6B6	6C3	I2S1_LRCLK	I2S1_LRCLK - @single_brd.lib.SINGLE_BRD	3D4	21C4	LAT_SW1_CTL	LAT_SW1_CTL - @single_brd.lib.SINGLE_BRD	LAT_SW1_CTL - @single_brd.lib.SINGLE_BRD	16C5	21A4						
	CUMULUS_VSTM_OUT<5>	CUMULUS_VSTM_OUT<5> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM11_CEN0	FM11_CEN0 - @single_brd.lib.SINGLE_BRD	6C3	6C6	I2S1_LRCLK	I2S1_LRCLK - @single_brd.lib.SINGLE_BRD	3D4	21C4	LAT_SW1_CTL	LAT_SW1_CTL - @single_brd.lib.SINGLE_BRD	LAT_SW1_CTL - @single_brd.lib.SINGLE_BRD	26B8	26C1 30C2						
B	CUMULUS_VSTM_OUT<6>	CUMULUS_VSTM_OUT<6> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM11_CLE	FM11_CLE - @single_brd.lib.SINGLE_BRD	6B6	6C3	BB_I2S_WS	BB_I2S_WS - @single_brd.lib.RADIO_MLB (i594_page 19)	26C8	30B4	LCD_BL_CA	LCD_BL_CA - @single_brd.lib.SINGLE_BRD	LCD_BL_CA - @single_brd.lib.SINGLE_BRD	13B1	18D1						
	CUMULUS_VSTM_OUT<7>	CUMULUS_VSTM_OUT<7> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM11_IO<0>	FM11_IO<0> - @single_brd.lib.SINGLE_BRD	6C5		I2S2_DIN	I2S2_DIN - @single_brd.lib.SINGLE_BRD	3D4	9B2 14C5	LCD_BL_CA_CONN	LCD_BL_CA_CONN - @single_brd.lib.SINGLE_BRD	LCD_BL_CA_CONN - @single_brd.lib.SINGLE_BRD	18C4	22D4						
	CUMULUS_VSTM_OUT<8>	CUMULUS_VSTM_OUT<8> - @single_brd.lib.SINGLE_BRD	17C3	17C5	FM11_IO<1>	FM11_IO<1> - @single_brd.lib.SINGLE_BRD	6C5		I2S2_DOUT	I2S2_DOUT - @single_brd.lib.SINGLE_BRD	3D4	9C2 14C5	LCD_BL_CC1	LCD_BL_CC1 - @single_brd.lib.SINGLE_BRD	LCD_BL_CC1 - @single_brd.lib.SINGLE_BRD	13A2	18D1						
	CUMULUS_VSTM_OUT<9>	CUMULUS_VSTM_OUT<9> - @single_brd.lib.SINGLE_BRD	17C5		FM11_IO<2>	FM11_IO<2> - @single_brd.lib.SINGLE_BRD	6C5		I2S2_LRCLK	I2S2_LRCLK - @single_brd.lib.SINGLE_BRD	3D4	9C2 14C5	LCD_BL_CC1_CONN	LCD_BL_CC1_CONN - @single_brd.lib.SINGLE_BRD	LCD_BL_CC1_CONN - @single_brd.lib.SINGLE_BRD	18C4	22D4						
	CUMULUS_VSTM_OUT<10>	CUMULUS_VSTM_OUT<10> - @single_brd.lib.SINGLE_BRD	17C5		FM11_IO<3>	FM11_IO<3> - @single_brd.lib.SINGLE_BRD	6C5		I2S3_DIN	I2S3_DIN - @single_brd.lib.SINGLE_BRD	3C4	21B4	LCD_BL_CC2	LCD_BL_CC2 - @single_brd.lib.SINGLE_BRD	LCD_BL_CC2 - @single_brd.lib.SINGLE_BRD	13A2	18D1						
	CUMULUS_VSTM_OUT<11>	CUMULUS_VSTM_OUT<11> - @single_brd.lib.SINGLE_BRD	17B3	17C5	FM11_IO<4>	FM11_IO<4> - @single_brd.lib.SINGLE_BRD	6C5		BT_FCM_OUT	BT_FCM_OUT - @single_brd.lib.RADIO_MLB (i594_page 19)	26B8	42B3	LCD_BL_CC2_CONN	LCD_BL_CC2_CONN - @single_brd.lib.SINGLE_BRD	LCD_BL_CC2_CONN - @single_brd.lib.SINGLE_BRD	18C4	22D4						
	CUMULUS_VSTM_OUT<12>	CUMULUS_VSTM_OUT<12> - @single_brd.lib.SINGLE_BRD	17B3	17C5	FM11_IO<5>	FM11_IO<5> - @single_brd.lib.SINGLE_BRD	6C5		I2S3_DOUT	I2S3_DOUT - @single_brd.lib.SINGLE_BRD	3C4	21B4	LCD_DESENSE	LCD_DESENSE - @single_brd.lib.SINGLE_BRD	LCD_DESENSE - @single_brd.lib.SINGLE_BRD	13A2							
	CUMULUS_VSTM_OUT<13>	CUMULUS_VSTM_OUT<13> - @single_brd.lib.SINGLE_BRD	17																				

8			7			6			5			4			3			2			1				
D	NEG_SWITCH	NEG_SWITCH - @single_brd_lib.SINGLE_BRD	19D3	PP2V8_CAM_AVDD	PP2V8_CAM_AVDD - @single_brd_lib.SINGLE_BRD	11C2 12B5 20B7	SAGE_PANEL_IN<14>	@single_brd_lib.SINGLE_BRD SAGE_PANEL_IN<14> -	17C3 18A6	UART1_RTS_L	19) UART1_RTS_L -	3B5 21C4	D	NTC_CAM_N	NTC_CAM_N - @single_brd_lib.SINGLE_BRD	12A6	PP3V0_ACC	PP3V0_ACC - @single_brd_lib.SINGLE_BRD	12B4 15C4	SAGE_PANEL_VSTM_OUT<0>	SAGE_PANEL_VSTM_OUT<0> - @single_brd_lib.SINGLE_BRD	17C1 18A6 18A8	UART1_RXD	@single_brd_lib.SINGLE_BRD BB_UART_CTS_L -	26C3 26C8 30C4
	NTC_CAM_P	NTC_CAM_P - @single_brd_lib.SINGLE_BRD	12A6 12B7	PP3V0_ALS	PP3V0_ALS - @single_brd_lib.SINGLE_BRD	11C5	SAGE_PANEL_VSTM_OUT<1>	SAGE_PANEL_VSTM_OUT<1> - @single_brd_lib.SINGLE_BRD	17B1 18A8	UART1_TXD	@single_brd_lib.SINGLE_BRD BB_UART_TXD	26C3 26C8 30C4													
	NTC_FOREHEAD_N	NTC_FOREHEAD_N - @single_brd_lib.SINGLE_BRD	12A8	PP3V0_COMP	PP3V0_COMP - @single_brd_lib.SINGLE_BRD	14A6 14A8 14B8	SAGE_PANEL_VSTM_OUT<2>	SAGE_PANEL_VSTM_OUT<2> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	NTC_FOREHEAD_P	NTC_FOREHEAD_P - @single_brd_lib.SINGLE_BRD	12A7 12B7	PP3V0_IMU	PP3V0_IMU - @single_brd_lib.SINGLE_BRD	12B5 14A5 14B1	SAGE_PANEL_VSTM_OUT<3>	SAGE_PANEL_VSTM_OUT<3> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	NTC_H5P_N	NTC_H5P_N - @single_brd_lib.SINGLE_BRD	12A5	PP3V0_IO	PP3V0_IO - @single_brd_lib.SINGLE_BRD	2D3 5B7 12B5	SAGE_PANEL_VSTM_OUT<4>	SAGE_PANEL_VSTM_OUT<4> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	NTC_H5P_P	NTC_H5P_P - @single_brd_lib.SINGLE_BRD	12A5 12B7	PP3V0_NAND	PP3V0_NAND - @single_brd_lib.SINGLE_BRD	6D1 12B5	SAGE_PANEL_VSTM_OUT<5>	SAGE_PANEL_VSTM_OUT<5> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	NTC_PA_N	NTC_PA_N - @single_brd_lib.SINGLE_BRD	12A4	PP3V0_NAND_XW	PP3V0_NAND_XW - @single_brd_lib.SINGLE_BRD	6D3	SAGE_PANEL_VSTM_OUT<6>	SAGE_PANEL_VSTM_OUT<6> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	NTC_PA_P	NTC_PA_P - @single_brd_lib.SINGLE_BRD	12A4 12B7	PP3V0_PROX	PP3V0_PROX - @single_brd_lib.SINGLE_BRD	11C5	SAGE_PANEL_VSTM_OUT<7>	SAGE_PANEL_VSTM_OUT<7> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	OSC321	OSC321 - @single_brd_lib.SINGLE_BRD	12B6	PP3V0_PROX_ALS	PP3V0_PROX_ALS - @single_brd_lib.SINGLE_BRD	11B8 11C8 12B5	SAGE_PANEL_VSTM_OUT<8>	SAGE_PANEL_VSTM_OUT<8> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
	OSC320	OSC320 - @single_brd_lib.SINGLE_BRD	12A6	PP3V0_PROX_IR	PP3V0_PROX_IR - @single_brd_lib.SINGLE_BRD	11C2 12B5	SAGE_PANEL_VSTM_OUT<9>	SAGE_PANEL_VSTM_OUT<9> - @single_brd_lib.SINGLE_BRD	17C1 18A8																
C	OVP_GATE	OVP_GATE - @single_brd_lib.SINGLE_BRD	16B7	PP3V0_USBMUX	PP3V0_USBMUX - @single_brd_lib.SINGLE_BRD	12B5 15C7	SAGE_PANEL_VSTM_OUT<10>	SAGE_PANEL_VSTM_OUT<10> - @single_brd_lib.SINGLE_BRD	17C1 18A8				C	UART2_RXD	@single_brd_lib.SINGLE_BRD BT_UART_CTS_L -	3B5 15B5	PP5V0_USB_CONN	PP5V0_USB_CONN - @single_brd_lib.SINGLE_BRD	16C5 22D8	SAGE_PANEL_VSTM_OUT<11>	SAGE_PANEL_VSTM_OUT<11> - @single_brd_lib.SINGLE_BRD	17B1 18A6	UART2_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42B3
	OVP_SW_EN_L	OVP_SW_EN_L - @single_brd_lib.SINGLE_BRD	15B4 16B8	PP3V2_CODEC	PP3V2_CODEC - @single_brd_lib.SINGLE_BRD	10D3	SAGE_PANEL_VSTM_OUT<12>	SAGE_PANEL_VSTM_OUT<12> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART3_CTS_L	@single_brd_lib.SINGLE_BRD BT_UART_RTS_L -	3B5 21B4	PP5V0_USB_PROTECT	PP5V0_USB_PROTECT - @single_brd_lib.SINGLE_BRD	12C8 16B8	SAGE_PANEL_VSTM_OUT<13>	SAGE_PANEL_VSTM_OUT<13> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART3_RXS_L	@single_brd_lib.SINGLE_BRD BT_UART_RXS_L -	26B8 42B3
	PBL_RUN_BB_H5IC1_RDY	PBL_RUN_BB_H5IC1_RDY - @single_brd_lib.SINGLE_BRD	3A7 21D4	PP3V3_VIB	PP3V3_VIB - @single_brd_lib.SINGLE_BRD	8C6	SAGE_PANEL_VSTM_OUT<14>	SAGE_PANEL_VSTM_OUT<14> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART3_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3B5 21B4	PP5V0_USB_RPROT	PP5V0_USB_RPROT - @single_brd_lib.SINGLE_BRD	15C2 16B8	SAGE_PANEL_VSTM_OUT<15>	SAGE_PANEL_VSTM_OUT<15> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART4_RXS_L	@single_brd_lib.SINGLE_BRD BT_UART_RXS_L -	26B8 42B3
	PMU_ADC_IN7	PMU_ADC_IN7 - @single_brd_lib.SINGLE_BRD	13C3 13C6	PP5V0_TRISTAR	PP5V0_TRISTAR - @single_brd_lib.SINGLE_BRD	15C4	SAGE_PANEL_VSTM_OUT<16>	SAGE_PANEL_VSTM_OUT<16> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART4_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 21B4	PP5V1_GRAPE_VDDH	PP5V1_GRAPE_VDDH - @single_brd_lib.SINGLE_BRD	13B3 17D7	SAGE_PANEL_VSTM_OUT<17>	SAGE_PANEL_VSTM_OUT<17> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B5 26B8 42C3
	PMU_AMUX_AY	PMU_AMUX_AY - @single_brd_lib.SINGLE_BRD	13C6 13D5 22C8	PP5V0_USB_CONN	PP5V0_USB_CONN - @single_brd_lib.SINGLE_BRD	16C5 22D8	SAGE_PANEL_VSTM_OUT<18>	SAGE_PANEL_VSTM_OUT<18> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP5V7_LCD_AVDDH	PP5V7_LCD_AVDDH - @single_brd_lib.SINGLE_BRD	13B3 18C1 19B2	SAGE_PANEL_VSTM_OUT<19>	SAGE_PANEL_VSTM_OUT<19> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B5 26B8 42C3
	PMU_AMUX_AY_CTRL	PMU_AMUX_AY_CTRL - @single_brd_lib.SINGLE_BRD	3C5 13D7	PP5V0_USB_PROTECT	PP5V0_USB_PROTECT - @single_brd_lib.SINGLE_BRD	12C8 16B8	SAGE_PANEL_VSTM_OUT<20>	SAGE_PANEL_VSTM_OUT<20> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART4_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 21B4	PP5V7_LCD_AVDDH_CONN	PP5V7_LCD_AVDDH_CONN - @single_brd_lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<21>	SAGE_PANEL_VSTM_OUT<21> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART4_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26C8 42A4 42B4
	PMU_AMUX_AY_R	PMU_AMUX_AY_R - @single_brd_lib.SINGLE_BRD	13D6	PP5V0_USB_RPROT	PP5V0_USB_RPROT - @single_brd_lib.SINGLE_BRD	15C2 16B8	SAGE_PANEL_VSTM_OUT<22>	SAGE_PANEL_VSTM_OUT<22> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART4_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 21C4	PP5V7_SAGE_AVDDH	PP5V7_SAGE_AVDDH - @single_brd_lib.SINGLE_BRD	13B1 17B5 17D4	SAGE_PANEL_VSTM_OUT<23>	SAGE_PANEL_VSTM_OUT<23> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART4_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26C8 42A4 42B4
	PMU_AMUX_BY	PMU_AMUX_BY - @single_brd_lib.SINGLE_BRD	13B6 13D5 22C8	PPN_ZQ	PPN_ZQ - @single_brd_lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<24>	SAGE_PANEL_VSTM_OUT<24> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART4_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 21C4	PP_BATT_VCC	PP_BATT_VCC - @single_brd_lib.SINGLE_BRD	8C7 12D8 14D7 19D7 21C5	SAGE_PANEL_VSTM_OUT<25>	SAGE_PANEL_VSTM_OUT<25> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART4_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
	PMU_AMUX_BY_CTRL	PMU_AMUX_BY_CTRL - @single_brd_lib.SINGLE_BRD	3B5 13D7	PP_BATT_VCC	PP_BATT_VCC - @single_brd_lib.SINGLE_BRD	21C7 21D4 22D8	SAGE_PANEL_VSTM_OUT<26>	SAGE_PANEL_VSTM_OUT<26> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<27>	SAGE_PANEL_VSTM_OUT<27> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
	PMU_AMUX_BY_R	PMU_AMUX_BY_R - @single_brd_lib.SINGLE_BRD	13D6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	26B8 27A2 32C6 37C3 40D6	SAGE_PANEL_VSTM_OUT<28>	SAGE_PANEL_VSTM_OUT<28> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<29>	SAGE_PANEL_VSTM_OUT<29> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
PMU_DWI_CLK	PMU_DWI_CLK - @single_brd_lib.SINGLE_BRD	13B6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	41D5	SAGE_PANEL_VSTM_OUT<30>	SAGE_PANEL_VSTM_OUT<30> - @single_brd_lib.SINGLE_BRD	17C1 18A6				UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<31>	SAGE_PANEL_VSTM_OUT<31> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4		
B	PMU_DWI_DI	PMU_DWI_DI - @single_brd_lib.SINGLE_BRD	13B6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	41D5	SAGE_PANEL_VSTM_OUT<32>	SAGE_PANEL_VSTM_OUT<32> - @single_brd_lib.SINGLE_BRD	17C1 18A6				B	UART6_RXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<33>	SAGE_PANEL_VSTM_OUT<33> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
	PMU_DWI_DO	PMU_DWI_DO - @single_brd_lib.SINGLE_BRD	13B6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	41D5	SAGE_PANEL_VSTM_OUT<34>	SAGE_PANEL_VSTM_OUT<34> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<35>	SAGE_PANEL_VSTM_OUT<35> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
	PMU_IRQ_L	PMU_IRQ_L - @single_brd_lib.SINGLE_BRD	3B7 13B6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	41D5	SAGE_PANEL_VSTM_OUT<36>	SAGE_PANEL_VSTM_OUT<36> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	3A5 15B5	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	16C2 21A4	SAGE_PANEL_VSTM_OUT<37>	SAGE_PANEL_VSTM_OUT<37> - @single_brd_lib.SINGLE_BRD	17C1 18A6	UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD	26B8 42A4 42B4
	PMU_RESET_IN	PMU_RESET_IN - @single_brd_lib.SINGLE_BRD	13B6	PP_LD014_2P65	PP_LD014_2P65 - @single_brd_lib.SINGLE_BRD	41D5	SAGE_PANEL_VSTM_OUT<38>	SAGE_PANEL_VSTM_OUT<38> - @single_brd_lib.SINGLE_BRD	17C1 18A6					UART6_TXD	@single_brd_lib.SINGLE_BRD BT_UART_TXD										

	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
D	<table><tr><td>Base Signal</td><td>Synonyms</td><td>Location([Zone][dir])</td></tr><tr><td>2G_VBATT_IN</td><td>2G_VBATT_IN - @single_brd.lib.RADIO_MLB</td><td>36C4</td></tr><tr><td>50_3G_TX_B1_T</td><td>50_3G_TX_B1_T - @single_brd.lib.RADIO_MLB</td><td>38C8</td></tr><tr><td>50_3G_TX_B2_T</td><td>50_3G_TX_B2_T - @single_brd.lib.RADIO_MLB</td><td>39C8</td></tr><tr><td>50_3G_TX_B5_T</td><td>50_3G_TX_B5_T - @single_brd.lib.RADIO_MLB</td><td>34C8</td></tr><tr><td>50_3G_TX_B8_T</td><td>50_3G_TX_B8_T - @single_brd.lib.RADIO_MLB</td><td>34D7</td></tr><tr><td>50_3G_TX_B13_PA_T</td><td>50_3G_TX_B13_PA_T - @single_brd.lib.RADIO_MLB</td><td>35C6</td></tr><tr><td>50_3G_TX_B13_T</td><td>50_3G_TX_B13_T - @single_brd.lib.RADIO_MLB</td><td>35C8</td></tr><tr><td>50_ASM_ANT</td><td>50_ASM_ANT - @single_brd.lib.RADIO_MLB</td><td>37B2</td></tr><tr><td>50_ASM_ANT_MCH</td><td>50_ASM_ANT_MCH - @single_brd.lib.RADIO_MLB</td><td>37B2</td></tr><tr><td>50_B2_DUPLX_RX</td><td>50_B2_DUPLX_RX - @single_brd.lib.RADIO_MLB</td><td>39C4</td></tr><tr><td>50_B2_RX_BAL</td><td>50_B2_RX_BAL - @single_brd.lib.RADIO_MLB</td><td>39C3</td></tr><tr><td>50_BAND1_TX_INT_OUT</td><td>50_BAND1_TX_INT_OUT - @single_brd.lib.RADIO_MLB</td><td>38C6</td></tr><tr><td>50_BAND1_TX_IN_IN</td><td>50_BAND1_TX_IN_IN - @single_brd.lib.RADIO_MLB</td><td>38C7</td></tr><tr><td>50_BAND1_TX_PA_IN</td><td>50_BAND1_TX_PA_IN - @single_brd.lib.RADIO_MLB</td><td>38C6</td></tr><tr><td>50_BAND2_TX_INT_IN</td><td>50_BAND2_TX_INT_IN - @single_brd.lib.RADIO_MLB</td><td>39C7</td></tr><tr><td>50_BAND4_TX_IN</td><td>50_BAND4_TX_IN - @single_brd.lib.RADIO_MLB</td><td>38B7</td></tr><tr><td>50_BAND4_TX_INT_OUT</td><td>50_BAND4_TX_INT_OUT - @single_brd.lib.RADIO_MLB</td><td>38B6</td></tr><tr><td>50_BAND4_TX_PA_IN</td><td>50_BAND4_TX_PA_IN - @single_brd.lib.RADIO_MLB</td><td>38B6</td></tr><tr><td>50_BAND5_TX_INT_IN</td><td>50_BAND5_TX_INT_IN - @single_brd.lib.RADIO_MLB</td><td>34C7</td></tr><tr><td>50_BAND5_TX_INT_OUT</td><td>50_BAND5_TX_INT_OUT - @single_brd.lib.RADIO_MLB</td><td>34C6</td></tr><tr><td>50_BAND5_TX_PA_IN</td><td>50_BAND5_TX_PA_IN - @single_brd.lib.RADIO_MLB</td><td>34C5</td></tr><tr><td>50_BAND8_TX_INT_OUT</td><td>50_BAND8_TX_INT_OUT - @single_brd.lib.RADIO_MLB</td><td>34D6</td></tr><tr><td>50_BAND8_TX_PA_IN</td><td>50_BAND8_TX_PA_IN - @single_brd.lib.RADIO_MLB</td><td>34D5</td></tr><tr><td>50_BAND13_DUPLX_ANT</td><td>50_BAND13_DUPLX_ANT - @single_brd.lib.RADIO_MLB</td><td>35C2</td></tr><tr><td>50_BAND13_DUPLX_TX</td><td>50_BAND13_DUPLX_TX - @single_brd.lib.RADIO_MLB</td><td>35C3</td></tr><tr><td>50_BAND13_PA_MATCH</td><td>50_BAND13_PA_MATCH - @single_brd.lib.RADIO_MLB</td><td>35C4</td></tr><tr><td>50_BAND13_PA_OUT</td><td>50_BAND13_PA_OUT - @single_brd.lib.RADIO_MLB</td><td>35C4</td></tr><tr><td>50_BAND13_TRX</td><td>50_BAND13_TRX - @single_brd.lib.RADIO_MLB</td><td>35C1 37B6</td></tr><tr><td>50_BAND13_TRX_MATCH</td><td>50_BAND13_TRX_MATCH - @single_brd.lib.RADIO_MLB</td><td>35C2</td></tr><tr><td>50_BAND13_TX_INT_IN</td><td>50_BAND13_TX_INT_IN - @single_brd.lib.RADIO_MLB</td><td>35C7</td></tr><tr><td>50_BAND13_TX_INT_OUT</td><td>50_BAND13_TX_INT_OUT - @single_brd.lib.RADIO_MLB</td><td>35C6</td></tr><tr><td>50_BAND13_TX_PA_IN</td><td>50_BAND13_TX_PA_IN - @single_brd.lib.RADIO_MLB</td><td>35C5</td></tr><tr><td>50_CM_TRAP_B5</td><td>50_CM_TRAP_B5 - @single_brd.lib.RADIO_MLB</td><td>32C3</td></tr><tr><td>50_CPL_B1_B4_OUT</td><td>50_CPL_B1_B4_OUT - @single_brd.lib.RADIO_MLB</td><td>34C3 38C3</td></tr><tr><td>50_CPL_B1_B4_TERM</td><td>50_CPL_B1_B4_TERM - @single_brd.lib.RADIO_MLB</td><td>38C4</td></tr><tr><td>50_CPL_B5_B8_OUT</td><td>50_CPL_B5_B8_OUT - @single_brd.lib.RADIO_MLB</td><td>34C3 35B5</td></tr><tr><td>50_CPL_B13_OUT</td><td>50_CPL_B13_OUT - @single_brd.lib.RADIO_MLB</td><td>35B5 39B5</td></tr><tr><td>50_CPL_PDET</td><td>50_CPL_PDET - @single_brd.lib.RADIO_MLB</td><td>31D8 39C3</td></tr><tr><td>50_DIVERSITY_SWITCH_MATCH</td><td>50_DIVERSITY_SWITCH_MATCH - @single_brd.lib.RADIO_MLB</td><td>40C6</td></tr><tr><td>50_DRX_ANT</td><td>50_DRX_ANT - @single_brd.lib.RADIO_MLB</td><td>37A2 40C7</td></tr><tr><td>50_DRX_ASM_MCH</td><td>50_DRX_ASM_MCH - @single_brd.lib.RADIO_MLB</td><td>40C6</td></tr><tr><td>50_DRX_B3_MATCH</td><td>50_DRX_B3_MATCH - @single_brd.lib.RADIO_MLB</td><td>37B6</td></tr><tr><td>50_DRX_B3_OUT</td><td>50_DRX_B3_OUT - @single_brd.lib.RADIO_MLB</td><td>37B6 40C2</td></tr><tr><td>50_GPS_FILT_CONN</td><td>50_GPS_FILT_CONN - @single_brd.lib.RADIO_MLB</td><td>41C6</td></tr><tr><td>50_GPS_FILT_IN</td><td>50_GPS_FILT_IN - @single_brd.lib.RADIO_MLB</td><td>41C5</td></tr><tr><td>50_GPS_LNA_OUT</td><td>50_GPS_LNA_OUT - @single_brd.lib.RADIO_MLB</td><td>41C8</td></tr><tr><td>50_HSIC_BB_DATA</td><td>50_HSIC_BB_DATA - @single_brd.lib.SINGLE_BRD</td><td>2C6 21B4</td></tr><tr><td>50_HSIC_BB_STROBE</td><td>50_HSIC_BB_STB - @single_brd.lib.SINGLE_BRD</td><td>26B3 26D8 29B3</td></tr><tr><td>50_HSIC_CAL</td><td>50_HSIC_CAL - @single_brd.lib.RADIO_MLB</td><td>29B3</td></tr><tr><td>50_HSIC3_DATA</td><td>50_HSIC3_DATA - @single_brd.lib.SINGLE_BRD</td><td>2B6 21B4</td></tr><tr><td>50_HSIC3_WLAN_DATA</td><td>50_HSIC3_WLAN_DATA - @single_brd.lib.RADIO_MLB</td><td>26B8 42B7</td></tr><tr><td>50_HSIC3_WLAN_STROBE</td><td>50_HSIC3_STB - @single_brd.lib.SINGLE_BRD</td><td>2B6 21B4</td></tr><tr><td>50_LOW_ANT_FEED</td><td>50_LOW_ANT_FEED - @single_brd.lib.RADIO_MLB</td><td>41A7</td></tr><tr><td>50_LOW_ANT_MCH</td><td>50_LOW_ANT_MCH - @single_brd.lib.RADIO_MLB</td><td>41A7</td></tr><tr><td>50_NTCH_FILT_OUT</td><td>50_NTCH_FILT_OUT - @single_brd.lib.RADIO_MLB</td><td>41D7</td></tr><tr><td>50_OHM_TERM</td><td>50_OHM_TERM - @single_brd.lib.RADIO_MLB</td><td>40C4</td></tr><tr><td>50_OHM_TERM_2</td><td>50_OHM_TERM_2 - @single_brd.lib.RADIO_MLB</td><td>37B3</td></tr><tr><td>50_PDET_IN</td><td>50_PDET_IN - @single_brd.lib.RADIO_MLB</td><td>31C7</td></tr></table>	Base Signal	Synonyms	Location([Zone][dir])	2G_VBATT_IN	2G_VBATT_IN - @single_brd.lib.RADIO_MLB	36C4	50_3G_TX_B1_T	50_3G_TX_B1_T - @single_brd.lib.RADIO_MLB	38C8	50_3G_TX_B2_T	50_3G_TX_B2_T - @single_brd.lib.RADIO_MLB	39C8	50_3G_TX_B5_T	50_3G_TX_B5_T - @single_brd.lib.RADIO_MLB	34C8	50_3G_TX_B8_T	50_3G_TX_B8_T - @single_brd.lib.RADIO_MLB	34D7	50_3G_TX_B13_PA_T	50_3G_TX_B13_PA_T - @single_brd.lib.RADIO_MLB	35C6	50_3G_TX_B13_T	50_3G_TX_B13_T - @single_brd.lib.RADIO_MLB	35C8	50_ASM_ANT	50_ASM_ANT - @single_brd.lib.RADIO_MLB	37B2	50_ASM_ANT_MCH	50_ASM_ANT_MCH - @single_brd.lib.RADIO_MLB	37B2	50_B2_DUPLX_RX	50_B2_DUPLX_RX - @single_brd.lib.RADIO_MLB	39C4	50_B2_RX_BAL	50_B2_RX_BAL - @single_brd.lib.RADIO_MLB	39C3	50_BAND1_TX_INT_OUT	50_BAND1_TX_INT_OUT - @single_brd.lib.RADIO_MLB	38C6	50_BAND1_TX_IN_IN	50_BAND1_TX_IN_IN - @single_brd.lib.RADIO_MLB	38C7	50_BAND1_TX_PA_IN	50_BAND1_TX_PA_IN - @single_brd.lib.RADIO_MLB	38C6	50_BAND2_TX_INT_IN	50_BAND2_TX_INT_IN - @single_brd.lib.RADIO_MLB	39C7	50_BAND4_TX_IN	50_BAND4_TX_IN - @single_brd.lib.RADIO_MLB	38B7	50_BAND4_TX_INT_OUT	50_BAND4_TX_INT_OUT - @single_brd.lib.RADIO_MLB	38B6	50_BAND4_TX_PA_IN	50_BAND4_TX_PA_IN - @single_brd.lib.RADIO_MLB	38B6	50_BAND5_TX_INT_IN	50_BAND5_TX_INT_IN - @single_brd.lib.RADIO_MLB	34C7	50_BAND5_TX_INT_OUT	50_BAND5_TX_INT_OUT - @single_brd.lib.RADIO_MLB	34C6	50_BAND5_TX_PA_IN	50_BAND5_TX_PA_IN - @single_brd.lib.RADIO_MLB	34C5	50_BAND8_TX_INT_OUT	50_BAND8_TX_INT_OUT - @single_brd.lib.RADIO_MLB	34D6	50_BAND8_TX_PA_IN	50_BAND8_TX_PA_IN - @single_brd.lib.RADIO_MLB	34D5	50_BAND13_DUPLX_ANT	50_BAND13_DUPLX_ANT - @single_brd.lib.RADIO_MLB	35C2	50_BAND13_DUPLX_TX	50_BAND13_DUPLX_TX - @single_brd.lib.RADIO_MLB	35C3	50_BAND13_PA_MATCH	50_BAND13_PA_MATCH - @single_brd.lib.RADIO_MLB	35C4	50_BAND13_PA_OUT	50_BAND13_PA_OUT - @single_brd.lib.RADIO_MLB	35C4	50_BAND13_TRX	50_BAND13_TRX - @single_brd.lib.RADIO_MLB	35C1 37B6	50_BAND13_TRX_MATCH	50_BAND13_TRX_MATCH - @single_brd.lib.RADIO_MLB	35C2	50_BAND13_TX_INT_IN	50_BAND13_TX_INT_IN - @single_brd.lib.RADIO_MLB	35C7	50_BAND13_TX_INT_OUT	50_BAND13_TX_INT_OUT - @single_brd.lib.RADIO_MLB	35C6	50_BAND13_TX_PA_IN	50_BAND13_TX_PA_IN - @single_brd.lib.RADIO_MLB	35C5	50_CM_TRAP_B5	50_CM_TRAP_B5 - @single_brd.lib.RADIO_MLB	32C3	50_CPL_B1_B4_OUT	50_CPL_B1_B4_OUT - @single_brd.lib.RADIO_MLB	34C3 38C3	50_CPL_B1_B4_TERM	50_CPL_B1_B4_TERM - @single_brd.lib.RADIO_MLB	38C4	50_CPL_B5_B8_OUT	50_CPL_B5_B8_OUT - @single_brd.lib.RADIO_MLB	34C3 35B5	50_CPL_B13_OUT	50_CPL_B13_OUT - @single_brd.lib.RADIO_MLB	35B5 39B5	50_CPL_PDET	50_CPL_PDET - @single_brd.lib.RADIO_MLB	31D8 39C3	50_DIVERSITY_SWITCH_MATCH	50_DIVERSITY_SWITCH_MATCH - @single_brd.lib.RADIO_MLB	40C6	50_DRX_ANT	50_DRX_ANT - @single_brd.lib.RADIO_MLB	37A2 40C7	50_DRX_ASM_MCH	50_DRX_ASM_MCH - @single_brd.lib.RADIO_MLB	40C6	50_DRX_B3_MATCH	50_DRX_B3_MATCH - @single_brd.lib.RADIO_MLB	37B6	50_DRX_B3_OUT	50_DRX_B3_OUT - @single_brd.lib.RADIO_MLB	37B6 40C2	50_GPS_FILT_CONN	50_GPS_FILT_CONN - @single_brd.lib.RADIO_MLB	41C6	50_GPS_FILT_IN	50_GPS_FILT_IN - @single_brd.lib.RADIO_MLB	41C5	50_GPS_LNA_OUT	50_GPS_LNA_OUT - @single_brd.lib.RADIO_MLB	41C8	50_HSIC_BB_DATA	50_HSIC_BB_DATA - @single_brd.lib.SINGLE_BRD	2C6 21B4	50_HSIC_BB_STROBE	50_HSIC_BB_STB - @single_brd.lib.SINGLE_BRD	26B3 26D8 29B3	50_HSIC_CAL	50_HSIC_CAL - @single_brd.lib.RADIO_MLB	29B3	50_HSIC3_DATA	50_HSIC3_DATA - @single_brd.lib.SINGLE_BRD	2B6 21B4	50_HSIC3_WLAN_DATA	50_HSIC3_WLAN_DATA - @single_brd.lib.RADIO_MLB	26B8 42B7	50_HSIC3_WLAN_STROBE	50_HSIC3_STB - @single_brd.lib.SINGLE_BRD	2B6 21B4	50_LOW_ANT_FEED	50_LOW_ANT_FEED - @single_brd.lib.RADIO_MLB	41A7	50_LOW_ANT_MCH	50_LOW_ANT_MCH - @single_brd.lib.RADIO_MLB	41A7	50_NTCH_FILT_OUT	50_NTCH_FILT_OUT - @single_brd.lib.RADIO_MLB	41D7	50_OHM_TERM	50_OHM_TERM - @single_brd.lib.RADIO_MLB	40C4	50_OHM_TERM_2	50_OHM_TERM_2 - @single_brd.lib.RADIO_MLB	37B3	50_PDET_IN	50_PDET_IN - @single_brd.lib.RADIO_MLB	31C7	<table><tr><td>50_PDET_PAD</td><td>50_PDET_PAD - @single_brd.lib.RADIO_MLB</td><td>31D7</td></tr><tr><td>50_PRI_ANT</td><td>50_PRI_ANT - @single_brd.lib.RADIO_MLB</td><td>37B1 41A5</td></tr><tr><td>50_RX_DCS</td><td>50_RX_DCS - @single_brd.lib.RADIO_MLB</td><td>37C4</td></tr><tr><td>50_RX_DCS_FIL</td><td>50_RX_DCS_FIL - @single_brd.lib.RADIO_MLB</td><td>37C5</td></tr><tr><td>50_TXRX_B1_ASM</td><td>50_TXRX_B1_ASM - @single_brd.lib.RADIO_MLB</td><td>37C4 38B3</td></tr><tr><td>50_TXRX_B1_PAD_ANT</td><td>50_TXRX_B1_PAD_ANT - @single_brd.lib.RADIO_MLB</td><td>38B5</td></tr><tr><td>50_TXRX_B1_PAD_MCH</td><td>50_TXRX_B1_PAD_MCH - @single_brd.lib.RADIO_MLB</td><td>38B5</td></tr><tr><td>50_TXRX_B2_ASM</td><td>50_TXRX_B2_ASM - @single_brd.lib.RADIO_MLB</td><td>37B4 39C1</td></tr><tr><td>50_TXRX_B2_PAD_ANT</td><td>50_TXRX_B2_PAD_ANT - @single_brd.lib.RADIO_MLB</td><td>39C4</td></tr><tr><td>50_TXRX_B2_PAD_MCH</td><td>50_TXRX_B2_PAD_MCH - @single_brd.lib.RADIO_MLB</td><td>39C3</td></tr><tr><td>50_TXRX_B4_ASM</td><td>50_TXRX_B4_ASM - @single_brd.lib.RADIO_MLB</td><td>37C4 38B4</td></tr><tr><td>50_TXRX_B4_PAD_ANT</td><td>50_TXRX_B4_PAD_ANT - @single_brd.lib.RADIO_MLB</td><td>38B5</td></tr><tr><td>50_TXRX_B4_PAD_MCH</td><td>50_TXRX_B4_PAD_MCH - @single_brd.lib.RADIO_MLB</td><td>38B5</td></tr><tr><td>50_TXRX_B5_ASM</td><td>50_TXRX_B5_ASM - @single_brd.lib.RADIO_MLB</td><td>34B7 37C4</td></tr><tr><td>50_TXRX_B5_PAD_ANT</td><td>50_TXRX_B5_PAD_ANT - @single_brd.lib.RADIO_MLB</td><td>34B5</td></tr><tr><td>50_TXRX_B5_PAD_MCH</td><td>50_TXRX_B5_PAD_MCH - @single_brd.lib.RADIO_MLB</td><td>34B6</td></tr><tr><td>50_TXRX_B8_ASM</td><td>50_TXRX_B8_ASM - @single_brd.lib.RADIO_MLB</td><td>34B1 37C4</td></tr><tr><td>50_TXRX_B8_PAD_ANT</td><td>50_TXRX_B8_PAD_ANT - @single_brd.lib.RADIO_MLB</td><td>34B3</td></tr><tr><td>50_TXRX_B8_PAD_MCH</td><td>50_TXRX_B8_PAD_MCH - @single_brd.lib.RADIO_MLB</td><td>34B2</td></tr><tr><td>50_TXRX_B13_ASM</td><td>50_TXRX_B13_ASM - @single_brd.lib.RADIO_MLB</td><td>37B4</td></tr><tr><td>50_TX_3G_B8_FILT</td><td>50_TX_3G_B8_FILT - @single_brd.lib.RADIO_MLB</td><td>34D7</td></tr><tr><td>50_TX_B2</td><td>50_TX_B2 - @single_brd.lib.RADIO_MLB</td><td>39C6</td></tr><tr><td>50_TX_B4_MCH</td><td>50_TX_B4_MCH - @single_brd.lib.RADIO_MLB</td><td>38B8</td></tr><tr><td>50_TX_G_HB_ASM</td><td>50_TX_G_HB_ASM - @single_brd.lib.RADIO_MLB</td><td>36B2 37B4</td></tr><tr><td>50_TX_G_HB_MCH</td><td>50_TX_G_HB_MCH - @single_brd.lib.RADIO_MLB</td><td>36C7</td></tr><tr><td>50_TX_G_HB_PAIN</td><td>50_TX_G_HB_PAIN - @single_brd.lib.RADIO_MLB</td><td>36C6</td></tr><tr><td>50_TX_G_HB_PAMCH</td><td>50_TX_G_HB_PAMCH - @single_brd.lib.RADIO_MLB</td><td>36B3</td></tr><tr><td>50_TX_G_HB_PACOUT</td><td>50_TX_G_HB_PACOUT - @single_brd.lib.RADIO_MLB</td><td>36B4</td></tr><tr><td>50_TX_G_LB_ASM</td><td>50_TX_G_LB_ASM - @single_brd.lib.RADIO_MLB</td><td>36B2 37B4</td></tr><tr><td>50_TX_G_LB_MCH</td><td>50_TX_G_LB_MCH - @single_brd.lib.RADIO_MLB</td><td>36B7</td></tr><tr><td>50_TX_G_LB_PAIN</td><td>50_TX_G_LB_PAIN - @single_brd.lib.RADIO_MLB</td><td>36B6</td></tr><tr><td>50_TX_G_LB_PAMCH</td><td>50_TX_G_LB_PAMCH - @single_brd.lib.RADIO_MLB</td><td>36B3</td></tr><tr><td>50_TX_G_LB_PACOUT</td><td>50_TX_G_LB_PACOUT - @single_brd.lib.RADIO_MLB</td><td>36B4</td></tr><tr><td>50_TX_PCS_1</td><td>50_TX_PCS_1 - @single_brd.lib.RADIO_MLB</td><td>39C5</td></tr><tr><td>50_TX_PCS_2</td><td>50_TX_PCS_2 - @single_brd.lib.RADIO_MLB</td><td>39C5</td></tr><tr><td>50_UPPER_ANT_FEED</td><td>50_UPPER_ANT_FEED - @single_brd.lib.RADIO_MLB</td><td>41D8</td></tr><tr><td>50_UPPER_MCH_0</td><td>50_UPPER_MCH_0 - @single_brd.lib.RADIO_MLB</td><td>41D7</td></tr><tr><td>50_UPPER_MCH_1</td><td>50_UPPER_MCH_1 - @single_brd.lib.RADIO_MLB</td><td>41D6</td></tr><tr><td>50_UPPER_MCH_2</td><td>50_UPPER_MCH_2 - @single_brd.lib.RADIO_MLB</td><td>41D4</td></tr><tr><td>50_UP_ANT_TEST</td><td>50_UP_ANT_TEST - @single_brd.lib.RADIO_MLB</td><td>37A2 41C1</td></tr><tr><td>50_UP_ANT_TEST_COAX</td><td>50_UP_ANT_TEST_COAX - @single_brd.lib.RADIO_MLB</td><td>41C3</td></tr><tr><td>50_WIFI_ANT_FD</td><td>50_WIFI_ANT_FD - @single_brd.lib.RADIO_MLB</td><td>42D5</td></tr><tr><td>50_WIFI_ANT_FD_1</td><td>50_WIFI_ANT_FD_1 - @single_brd.lib.RADIO_MLB</td><td>42D5</td></tr><tr><td>50_WIFI_ANT_FD_2</td><td>50_WIFI_ANT_FD_2 - @single_brd.lib.RADIO_MLB</td><td>42D4</td></tr><tr><td>50_WLAN_A</td><td>50_WLAN_A - @single_brd.lib.RADIO_MLB</td><td>42C4</td></tr><tr><td>50_WLAN_A_DIPLX</td><td>50_WLAN_A_DIPLX - @single_brd.lib.RADIO_MLB</td><td>42C2</td></tr><tr><td>50_WLAN_G</td><td>50_WLAN_G - @single_brd.lib.RADIO_MLB</td><td>42C4</td></tr><tr><td>50_WLAN_G_1</td><td>50_WLAN_G_1 - @single_brd.lib.RADIO_MLB</td><td>42C2</td></tr><tr><td>50_XCVR_2G_PA_HB_TX</td><td>50_XCVR_2G_PA_HB_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 36C8</td></tr><tr><td>50_XCVR_2G_PA_LB_TX</td><td>50_XCVR_2G_PA_LB_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 36B8</td></tr><tr><td>50_XCVR_3G_B1_TX</td><td>50_XCVR_3G_B1_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 38C8</td></tr><tr><td>50_XCVR_3G_B2_TX</td><td>50_XCVR_3G_B2_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 39C8</td></tr><tr><td>50_XCVR_3G_B4_TX</td><td>50_XCVR_3G_B4_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 38B8</td></tr><tr><td>50_XCVR_3G_B5_TX</td><td>50_XCVR_3G_B5_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 34C8</td></tr><tr><td>50_XCVR_3G_B8_TX</td><td>50_XCVR_3G_B8_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 34D8</td></tr><tr><td>50_XCVR_3G_B13_TX</td><td>50_XCVR_3G_B13_TX - @single_brd.lib.RADIO_MLB</td><td>31C7 35C8</td></tr><tr><td>90_BB_USB_D_N</td><td>90_BB_USB_D_N - @single_brd.lib.SINGLE_BRD</td><td>15B5 21C4</td></tr><tr><td>90_BB_USB_D_P</td><td>90_BB_USB_D_P - @single_brd.lib.SINGLE_BRD</td><td>26C3 26C8 29A5</td></tr><tr><td>100_B4_DUPLX_N</td><td>100_B4_DUPLX_N - @single_brd.lib.RADIO_MLB</td><td>38B3</td></tr><tr><td>100_B4_DUPLX_P</td><td>100_B4_DUPLX_P - @single_brd.lib.RADIO_MLB</td><td>38B3</td></tr></table>	50_PDET_PAD	50_PDET_PAD - @single_brd.lib.RADIO_MLB	31D7	50_PRI_ANT	50_PRI_ANT - @single_brd.lib.RADIO_MLB	37B1 41A5	50_RX_DCS	50_RX_DCS - @single_brd.lib.RADIO_MLB	37C4	50_RX_DCS_FIL	50_RX_DCS_FIL - @single_brd.lib.RADIO_MLB	37C5	50_TXRX_B1_ASM	50_TXRX_B1_ASM - @single_brd.lib.RADIO_MLB	37C4 38B3	50_TXRX_B1_PAD_ANT	50_TXRX_B1_PAD_ANT - @single_brd.lib.RADIO_MLB	38B5	50_TXRX_B1_PAD_MCH	50_TXRX_B1_PAD_MCH - @single_brd.lib.RADIO_MLB	38B5	50_TXRX_B2_ASM	50_TXRX_B2_ASM - @single_brd.lib.RADIO_MLB	37B4 39C1	50_TXRX_B2_PAD_ANT	50_TXRX_B2_PAD_ANT - @single_brd.lib.RADIO_MLB	39C4	50_TXRX_B2_PAD_MCH	50_TXRX_B2_PAD_MCH - @single_brd.lib.RADIO_MLB	39C3	50_TXRX_B4_ASM	50_TXRX_B4_ASM - @single_brd.lib.RADIO_MLB	37C4 38B4	50_TXRX_B4_PAD_ANT	50_TXRX_B4_PAD_ANT - @single_brd.lib.RADIO_MLB	38B5	50_TXRX_B4_PAD_MCH	50_TXRX_B4_PAD_MCH - @single_brd.lib.RADIO_MLB	38B5	50_TXRX_B5_ASM	50_TXRX_B5_ASM - @single_brd.lib.RADIO_MLB	34B7 37C4	50_TXRX_B5_PAD_ANT	50_TXRX_B5_PAD_ANT - @single_brd.lib.RADIO_MLB	34B5	50_TXRX_B5_PAD_MCH	50_TXRX_B5_PAD_MCH - @single_brd.lib.RADIO_MLB	34B6	50_TXRX_B8_ASM	50_TXRX_B8_ASM - @single_brd.lib.RADIO_MLB	34B1 37C4	50_TXRX_B8_PAD_ANT	50_TXRX_B8_PAD_ANT - @single_brd.lib.RADIO_MLB	34B3	50_TXRX_B8_PAD_MCH	50_TXRX_B8_PAD_MCH - @single_brd.lib.RADIO_MLB	34B2	50_TXRX_B13_ASM	50_TXRX_B13_ASM - @single_brd.lib.RADIO_MLB	37B4	50_TX_3G_B8_FILT	50_TX_3G_B8_FILT - @single_brd.lib.RADIO_MLB	34D7	50_TX_B2	50_TX_B2 - @single_brd.lib.RADIO_MLB	39C6	50_TX_B4_MCH	50_TX_B4_MCH - @single_brd.lib.RADIO_MLB	38B8	50_TX_G_HB_ASM	50_TX_G_HB_ASM - @single_brd.lib.RADIO_MLB	36B2 37B4	50_TX_G_HB_MCH	50_TX_G_HB_MCH - @single_brd.lib.RADIO_MLB	36C7	50_TX_G_HB_PAIN	50_TX_G_HB_PAIN - @single_brd.lib.RADIO_MLB	36C6	50_TX_G_HB_PAMCH	50_TX_G_HB_PAMCH - @single_brd.lib.RADIO_MLB	36B3	50_TX_G_HB_PACOUT	50_TX_G_HB_PACOUT - @single_brd.lib.RADIO_MLB	36B4	50_TX_G_LB_ASM	50_TX_G_LB_ASM - @single_brd.lib.RADIO_MLB	36B2 37B4	50_TX_G_LB_MCH	50_TX_G_LB_MCH - @single_brd.lib.RADIO_MLB	36B7	50_TX_G_LB_PAIN	50_TX_G_LB_PAIN - @single_brd.lib.RADIO_MLB	36B6	50_TX_G_LB_PAMCH	50_TX_G_LB_PAMCH - @single_brd.lib.RADIO_MLB	36B3	50_TX_G_LB_PACOUT	50_TX_G_LB_PACOUT - @single_brd.lib.RADIO_MLB	36B4	50_TX_PCS_1	50_TX_PCS_1 - @single_brd.lib.RADIO_MLB	39C5	50_TX_PCS_2	50_TX_PCS_2 - @single_brd.lib.RADIO_MLB	39C5	50_UPPER_ANT_FEED	50_UPPER_ANT_FEED - @single_brd.lib.RADIO_MLB	41D8	50_UPPER_MCH_0	50_UPPER_MCH_0 - @single_brd.lib.RADIO_MLB	41D7	50_UPPER_MCH_1	50_UPPER_MCH_1 - @single_brd.lib.RADIO_MLB	41D6	50_UPPER_MCH_2	50_UPPER_MCH_2 - @single_brd.lib.RADIO_MLB	41D4	50_UP_ANT_TEST	50_UP_ANT_TEST - @single_brd.lib.RADIO_MLB	37A2 41C1	50_UP_ANT_TEST_COAX	50_UP_ANT_TEST_COAX - @single_brd.lib.RADIO_MLB	41C3	50_WIFI_ANT_FD	50_WIFI_ANT_FD - @single_brd.lib.RADIO_MLB	42D5	50_WIFI_ANT_FD_1	50_WIFI_ANT_FD_1 - @single_brd.lib.RADIO_MLB	42D5	50_WIFI_ANT_FD_2	50_WIFI_ANT_FD_2 - @single_brd.lib.RADIO_MLB	42D4	50_WLAN_A	50_WLAN_A - @single_brd.lib.RADIO_MLB	42C4	50_WLAN_A_DIPLX	50_WLAN_A_DIPLX - @single_brd.lib.RADIO_MLB	42C2	50_WLAN_G	50_WLAN_G - @single_brd.lib.RADIO_MLB	42C4	50_WLAN_G_1	50_WLAN_G_1 - @single_brd.lib.RADIO_MLB	42C2	50_XCVR_2G_PA_HB_TX	50_XCVR_2G_PA_HB_TX - @single_brd.lib.RADIO_MLB	31C7 36C8	50_XCVR_2G_PA_LB_TX	50_XCVR_2G_PA_LB_TX - @single_brd.lib.RADIO_MLB	31C7 36B8	50_XCVR_3G_B1_TX	50_XCVR_3G_B1_TX - @single_brd.lib.RADIO_MLB	31C7 38C8	50_XCVR_3G_B2_TX	50_XCVR_3G_B2_TX - @single_brd.lib.RADIO_MLB	31C7 39C8	50_XCVR_3G_B4_TX	50_XCVR_3G_B4_TX - @single_brd.lib.RADIO_MLB	31C7 38B8	50_XCVR_3G_B5_TX	50_XCVR_3G_B5_TX - @single_brd.lib.RADIO_MLB	31C7 34C8	50_XCVR_3G_B8_TX	50_XCVR_3G_B8_TX - @single_brd.lib.RADIO_MLB	31C7 34D8	50_XCVR_3G_B13_TX	50_XCVR_3G_B13_TX - @single_brd.lib.RADIO_MLB	31C7 35C8	90_BB_USB_D_N	90_BB_USB_D_N - @single_brd.lib.SINGLE_BRD	15B5 21C4	90_BB_USB_D_P	90_BB_USB_D_P - @single_brd.lib.SINGLE_BRD	26C3 26C8 29A5	100_B4_DUPLX_N	100_B4_DUPLX_N - @single_brd.lib.RADIO_MLB	38B3	100_B4_DUPLX_P	100_B4_DUPLX_P - @single_brd.lib.RADIO_MLB	38B3	<table><tr><td>100_B5_B8_RX_MTCH_N</td><td>100_B5_B8_RX_MTCH_N - @single_brd.lib.RADIO_MLB</td><td>32C4</td></tr><tr><td>100_B5_B8_RX_MTCH_P</td><td>100_B5_B8_RX_MTCH_P - @single_brd.lib.RADIO_MLB</td><td>32B4</td></tr><tr><td>100_BAND1_DUPLX_MATC_H_RX_N</td><td>100_BAND1_DUPLX_MATCH_RX_N - @single_brd.lib.RADIO_MLB</td><td>38C2</td></tr><tr><td>100_BAND1_DUPLX_MATC_H_RX_P</td><td>100_BAND1_DUPLX_MATCH_RX_P - @single_brd.lib.RADIO_MLB</td><td>38C2</td></tr><tr><td>100_BAND1_DUPLX_RX_N</td><td>100_BAND1_DUPLX_RX_N - @single_brd.lib.RADIO_MLB</td><td>38C3</td></tr><tr><td>100_BAND1_DUPLX_RX_P</td><td>100_BAND1_DUPLX_RX_P - @single_brd.lib.RADIO_MLB</td><td>38C3</td></tr><tr><td>100_BAND1_RX_N</td><td>100_BAND1_RX_N - @single_brd.lib.RADIO_MLB</td><td>31B7 38C1</td></tr><tr><td>100_BAND1_RX_P</td><td>100_BAND1_RX_P - @single_brd.lib.RADIO_MLB</td><td>31B7 38C1</td></tr><tr><td>100_BAND2_RX_N</td><td>100_BAND2_RX_N - @single_brd.lib.RADIO_MLB</td><td>31B7 39B1</td></tr><tr><td>100_BAND2_RX_P</td><td>100_BAND2_RX_P - @single_brd.lib.RADIO_MLB</td><td>31B7 39C1</td></tr><tr><td>100_BAND4_DUPLX_MATC_H1_RX_N</td><td>100_BAND4_DUPLX_MATCH1_RX_N - @single_brd.lib.RADIO_MLB</td><td>38B3</td></tr><tr><td>100_BAND4_DUPLX_MATC_H_RX_N</td><td>100_BAND4_DUPLX_MATCH_RX_N - @single_brd.lib.RADIO_MLB</td><td>38B2</td></tr><tr><td>100_BAND4_DUPLX_MATC_H_RX_P</td><td>100_BAND4_DUPLX_MATCH_RX_P - @single_brd.lib.RADIO_MLB</td><td>38B2</td></tr><tr><td>100_BAND4_DUPLX_RX_N</td><td>100_BAND4_DUPLX_RX_N - @single_brd.lib.RADIO_MLB</td><td>38B4</td></tr><tr><td>100_BAND4_RX_N</td><td>100_BAND4_RX_N - @single_brd.lib.RADIO_MLB</td><td>31C7 38B1</td></tr><tr><td>100_BAND4_RX_P</td><td>100_BAND4_RX_P - @single_brd.lib.RADIO_MLB</td><td>31C7 38B1</td></tr><tr><td>100_BAND5_BAND8_RX_N</td><td>100_BAND5_BAND8_RX_N - @single_brd.lib.RADIO_MLB</td><td>31C7 32C3</td></tr><tr><td>100_BAND5_BAND8_RX_P</td><td>100_BAND5_BAND8_RX_P - @single_brd.lib.RADIO_MLB</td><td>31C7 32B3</td></tr><tr><td>100_BAND5_DUPLX_RX_N</td><td>100_BAND5_DUPLX_RX_N - @single_brd.lib.RADIO_MLB</td><td>34A5</td></tr><tr><td>100_BAND5_DUPLX_RX_P</td><td>100_BAND5_DUPLX_RX_P - @single_brd.lib.RADIO_MLB</td><td>34A5</td></tr><tr><td>100_BAND5_RX_N</td><td>100_BAND5_RX_N - 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@single_brd.lib.RADIO_MLB</td><td>40B4</td></tr><tr><td>100_DRX_B13_B17_SW_N</td><td>100_DRX_B13_B17_SW_N - @single_brd.lib.RADIO_MLB</td><td>40A4 40D2</td></tr><tr><td>100_DRX_B13_B17_SW_P</td><td>100_DRX_B13_B17_SW_P - @single_brd.lib.RADIO_MLB</td><td>40B4 40D2</td></tr><tr><td>100_DRX_BAND1_BAND4_N</td><td>100_DRX_BAND1_BAND4_N - @single_brd.lib.RADIO_MLB</td><td>31B7 40B5</td></tr><tr><td>100_DRX_BAND1_BAND4_P</td><td>100_DRX_BAND1_BAND4_P - @single_brd.lib.RADIO_MLB</td><td>31B7 40B5</td></tr><tr><td>100_DRX_BAND1_BAND4_SAW_OUT_N</td><td>100_DRX_BAND1_BAND4_SAW_OUT_N - @single_brd.lib.RADIO_MLB</td><td>40B7 40C2</td></tr><tr><td>100_DRX_BAND1_BAND4_SAW_OUT_P</td><td>100_DRX_BAND1_BAND4_SAW_OUT_P - @single_brd.lib.RADIO_MLB</td><td>40B7 40C2</td></tr><tr><td>100_DRX_BAND2_RX_N</td><td>100_DRX_BAND2_RX_N - @single_brd.lib.RADIO_MLB</td><td>31B7 40A5</td></tr><tr><td>100_DRX_BAND2_RX_P</td><td>100_DRX_BAND2_RX_P - @single_brd.lib.RADIO_MLB</td><td>31B7 40B5</td></tr><tr><td>100_DRX_BAND2_SAW_OUT_N</td><td>100_DRX_BAND2_SAW_OUT_N - @single_brd.lib.RADIO_MLB</td><td>40A7 40C2</td></tr><tr><td>100_DRX_BAND2_SAW_OUT_P</td><td>100_DRX_BAND2_SAW_OUT_P - @single_brd.lib.RADIO_MLB</td><td>40B7 40C2</td></tr><tr><td>100_DRX_BAND5_BAND8_N</td><td>100_DRX_BAND5_BAND8_N - @single_brd.lib.RADIO_MLB</td><td>31B7 40B2</td></tr><tr><td>100_DRX_BAND5_BAND8_P</td><td>100_DRX_BAND5_BAND8_P - @single_brd.lib.RADIO_MLB</td><td>31B7 40B2</td></tr><tr><td>100_DRX_BAND13_BAND17_N</td><td>100_DRX_BAND13_BAND17_N - @single_brd.lib.RADIO_MLB</td><td>31B7 40A2</td></tr><tr><td>100_DRX_BAND13_BAND17_P</td><td>100_DRX_BAND13_BAND17_P - @single_brd.lib.RADIO_MLB</td><td>31B7 40B2</td></tr><tr><td>100_GPS_FILT_OUT_N</td><td>100_GPS_FILT_OUT_N - @single_brd.lib.RADIO_MLB</td><td>41B5</td></tr><tr><td>100_GPS_FILT_OUT_P</td><td>100_GPS_FILT_OUT_P - @single_brd.lib.RADIO_MLB</td><td>41C5</td></tr><tr><td>100_GPS_IN_N</td><td>100_GPS_IN_N - @single_brd.lib.RADIO_MLB</td><td>31C4 41B3</td></tr><tr><td>100_GPS_IN_P</td><td>100_GPS_IN_P - @single_brd.lib.RADIO_MLB</td><td>31C4 41C3</td></tr><tr><td>100_PRX_B5_B8_SW_N</td><td>100_PRX_B5_B8_SW_N - @single_brd.lib.RADIO_MLB</td><td>32C5</td></tr><tr><td>100_PRX_B5_B8_SW_P</td><td>100_PRX_B5_B8_SW_P - @single_brd.lib.RADIO_MLB</td><td>32B5</td></tr><tr><td>100_PRX_DCS_G_1_N</td><td>100_PRX_DCS_G_1_N - @single_brd.lib.RADIO_MLB</td><td>37C6</td></tr><tr><td>100_PRX_DCS_G_1_P</td><td>100_PRX_DCS_G_1_P - @single_brd.lib.RADIO_MLB</td><td>37C6</td></tr></table>	100_B5_B8_RX_MTCH_N	100_B5_B8_RX_MTCH_N - @single_brd.lib.RADIO_MLB	32C4	100_B5_B8_RX_MTCH_P	100_B5_B8_RX_MTCH_P - @single_brd.lib.RADIO_MLB	32B4	100_BAND1_DUPLX_MATC_H_RX_N	100_BAND1_DUPLX_MATCH_RX_N - @single_brd.lib.RADIO_MLB	38C2	100_BAND1_DUPLX_MATC_H_RX_P	100_BAND1_DUPLX_MATCH_RX_P - @single_brd.lib.RADIO_MLB	38C2	100_BAND1_DUPLX_RX_N	100_BAND1_DUPLX_RX_N - @single_brd.lib.RADIO_MLB	38C3	100_BAND1_DUPLX_RX_P	100_BAND1_DUPLX_RX_P - @single_brd.lib.RADIO_MLB	38C3	100_BAND1_RX_N	100_BAND1_RX_N - @single_brd.lib.RADIO_MLB	31B7 38C1	100_BAND1_RX_P	100_BAND1_RX_P - @single_brd.lib.RADIO_MLB	31B7 38C1	100_BAND2_RX_N	100_BAND2_RX_N - @single_brd.lib.RADIO_MLB	31B7 39B1	100_BAND2_RX_P	100_BAND2_RX_P - @single_brd.lib.RADIO_MLB	31B7 39C1	100_BAND4_DUPLX_MATC_H1_RX_N	100_BAND4_DUPLX_MATCH1_RX_N - @single_brd.lib.RADIO_MLB	38B3	100_BAND4_DUPLX_MATC_H_RX_N	100_BAND4_DUPLX_MATCH_RX_N - @single_brd.lib.RADIO_MLB	38B2	100_BAND4_DUPLX_MATC_H_RX_P	100_BAND4_DUPLX_MATCH_RX_P - @single_brd.lib.RADIO_MLB	38B2	100_BAND4_DUPLX_RX_N	100_BAND4_DUPLX_RX_N - @single_brd.lib.RADIO_MLB	38B4	100_BAND4_RX_N	100_BAND4_RX_N - @single_brd.lib.RADIO_MLB	31C7 38B1	100_BAND4_RX_P	100_BAND4_RX_P - @single_brd.lib.RADIO_MLB	31C7 38B1	100_BAND5_BAND8_RX_N	100_BAND5_BAND8_RX_N - @single_brd.lib.RADIO_MLB	31C7 32C3	100_BAND5_BAND8_RX_P	100_BAND5_BAND8_RX_P - @single_brd.lib.RADIO_MLB	31C7 32B3	100_BAND5_DUPLX_RX_N	100_BAND5_DUPLX_RX_N - @single_brd.lib.RADIO_MLB	34A5	100_BAND5_DUPLX_RX_P	100_BAND5_DUPLX_RX_P - @single_brd.lib.RADIO_MLB	34A5	100_BAND5_RX_N	100_BAND5_RX_N - @single_brd.lib.RADIO_MLB	32B6 34A4	100_BAND5_RX_P	100_BAND5_RX_P - @single_brd.lib.RADIO_MLB	32C6 34A4	100_BAND8_DUPLX_RX_N	100_BAND8_DUPLX_RX_N - @single_brd.lib.RADIO_MLB	34B3	100_BAND8_DUPLX_RX_P	100_BAND8_DUPLX_RX_P - @single_brd.lib.RADIO_MLB	34B3	100_BAND8_RX_N	100_BAND8_RX_N - @single_brd.lib.RADIO_MLB	32B6 34B2	100_BAND8_RX_P	100_BAND8_RX_P - @single_brd.lib.RADIO_MLB	32C6 34B2	100_BAND13_DUPLX_MATC_H_RX_N	100_BAND13_DUPLX_MATCH_RX_N - @single_brd.lib.RADIO_MLB	35C2	100_BAND13_DUPLX_MATC_H_RX_P	100_BAND13_DUPLX_MATCH_RX_P - @single_brd.lib.RADIO_MLB	35D2	100_BAND13_DUPLX_RX_N	100_BAND13_DUPLX_RX_N - @single_brd.lib.RADIO_MLB	35C3	100_BAND13_DUPLX_RX_P	100_BAND13_DUPLX_RX_P - @single_brd.lib.RADIO_MLB	35D3	100_BAND13_RX_N	100_BAND13_RX_N - @single_brd.lib.RADIO_MLB	31C7 35C1	100_BAND13_RX_P	100_BAND13_RX_P - @single_brd.lib.RADIO_MLB	31C7 35D1	100_DCS1800_RX_MATCH_N	100_DCS1800_RX_MATCH_N - @single_brd.lib.RADIO_MLB	37C7	100_DCS1800_RX_MATCH_P	100_DCS1800_RX_MATCH_P - @single_brd.lib.RADIO_MLB	37B7	100_DRX_B5_B8_SW_MATC_H_N	100_DRX_B5_B8_SW_MATCH_N - @single_brd.lib.RADIO_MLB	40B3	100_DRX_B5_B8_SW_MATC_H_P	100_DRX_B5_B8_SW_MATCH_P - @single_brd.lib.RADIO_MLB	40B3	100_DRX_B5_B8_SW_N	100_DRX_B5_B8_SW_N - @single_brd.lib.RADIO_MLB	40B4 40C2	100_DRX_B5_B8_SW_P	100_DRX_B5_B8_SW_P - @single_brd.lib.RADIO_MLB	40B4 40D2	100_DRX_B13_B17_MATC_H_N	100_DRX_B13_B17_MATCH_N - @single_brd.lib.RADIO_MLB	40A3	100_DRX_B13_B17_MATC_H_P	100_DRX_B13_B17_MATCH_P - @single_brd.lib.RADIO_MLB	40B4	100_DRX_B13_B17_SW_N	100_DRX_B13_B17_SW_N - @single_brd.lib.RADIO_MLB	40A4 40D2	100_DRX_B13_B17_SW_P	100_DRX_B13_B17_SW_P - @single_brd.lib.RADIO_MLB	40B4 40D2	100_DRX_BAND1_BAND4_N	100_DRX_BAND1_BAND4_N - @single_brd.lib.RADIO_MLB	31B7 40B5	100_DRX_BAND1_BAND4_P	100_DRX_BAND1_BAND4_P - @single_brd.lib.RADIO_MLB	31B7 40B5	100_DRX_BAND1_BAND4_SAW_OUT_N	100_DRX_BAND1_BAND4_SAW_OUT_N - @single_brd.lib.RADIO_MLB	40B7 40C2	100_DRX_BAND1_BAND4_SAW_OUT_P	100_DRX_BAND1_BAND4_SAW_OUT_P - @single_brd.lib.RADIO_MLB	40B7 40C2	100_DRX_BAND2_RX_N	100_DRX_BAND2_RX_N - @single_brd.lib.RADIO_MLB	31B7 40A5	100_DRX_BAND2_RX_P	100_DRX_BAND2_RX_P - @single_brd.lib.RADIO_MLB	31B7 40B5	100_DRX_BAND2_SAW_OUT_N	100_DRX_BAND2_SAW_OUT_N - @single_brd.lib.RADIO_MLB	40A7 40C2	100_DRX_BAND2_SAW_OUT_P	100_DRX_BAND2_SAW_OUT_P - @single_brd.lib.RADIO_MLB	40B7 40C2	100_DRX_BAND5_BAND8_N	100_DRX_BAND5_BAND8_N - @single_brd.lib.RADIO_MLB	31B7 40B2	100_DRX_BAND5_BAND8_P	100_DRX_BAND5_BAND8_P - @single_brd.lib.RADIO_MLB	31B7 40B2	100_DRX_BAND13_BAND17_N	100_DRX_BAND13_BAND17_N - @single_brd.lib.RADIO_MLB	31B7 40A2	100_DRX_BAND13_BAND17_P	100_DRX_BAND13_BAND17_P - @single_brd.lib.RADIO_MLB	31B7 40B2	100_GPS_FILT_OUT_N	100_GPS_FILT_OUT_N - @single_brd.lib.RADIO_MLB	41B5	100_GPS_FILT_OUT_P	100_GPS_FILT_OUT_P - @single_brd.lib.RADIO_MLB	41C5	100_GPS_IN_N	100_GPS_IN_N - @single_brd.lib.RADIO_MLB	31C4 41B3	100_GPS_IN_P	100_GPS_IN_P - @single_brd.lib.RADIO_MLB	31C4 41C3	100_PRX_B5_B8_SW_N	100_PRX_B5_B8_SW_N - @single_brd.lib.RADIO_MLB	32C5	100_PRX_B5_B8_SW_P	100_PRX_B5_B8_SW_P - @single_brd.lib.RADIO_MLB	32B5	100_PRX_DCS_G_1_N	100_PRX_DCS_G_1_N - @single_brd.lib.RADIO_MLB	37C6	100_PRX_DCS_G_1_P	100_PRX_DCS_G_1_P - @single_brd.lib.RADIO_MLB	37C6	<table><tr><td>100_XCVR_DCS1800_RX_N</td><td>100_XCVR_DCS1800_RX_N - @single_brd.lib.RADIO_MLB</td><td>31B7 37C8</td></tr><tr><td>100_XCVR_DCS1800_RX_P</td><td>100_XCVR_DCS1800_RX_P - @single_brd.lib.RADIO_MLB</td><td>31B7 37B8</td></tr><tr><td>A0_PMCLK</td><td>A0_PMCLK - @single_brd.lib.RADIO_MLB</td><td>28B3</td></tr><tr><td>ADC_LD06_RUIM_IV8</td><td>ADC_LD06_RUIM_IV8 - @single_brd.lib.SINGLE_BRD</td><td>13B6 21C4</td></tr><tr><td>ADC_LVS1</td><td>ADC_LVS1 - @single_brd.lib.SINGLE_BRD</td><td>26D5</td></tr><tr><td>ADC_LVS1</td><td>ADC_LVS1 - @single_brd.lib.SINGLE_BRD</td><td>13B6 21C4</td></tr><tr><td>ADC_LVS1</td><td>ADC_LVS1 - @single_brd.lib.RADIO_MLB</td><td>26D5</td></tr><tr><td>ADC_SMPS1_MSMC_IV05</td><td>ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD</td><td>13C6 21C4</td></tr><tr><td>ADC_SMPS1_MSMC_IV05</td><td>ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD</td><td>26D5</td></tr><tr><td>ADC_SMPS1_MSMC_IV05</td><td>ADC_SMPS1_MSMC_IV05 - @single_brd.lib.RADIO_MLB</td><td>13C6 21C4</td></tr><tr><td>ADC_SMPS1_MSMC_IV05</td><td>ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD</td><td>26D5</td></tr><tr><td>AGG_CHANNEL</td><td>AGG_CHANNEL - @single_brd.lib.RADIO_MLB</td><td>42A6 42B4</td></tr><tr><td>ANT_SEL_0</td><td>ANT_SEL_0 - @single_brd.lib.RADIO_MLB</td><td>30C2 37C1</td></tr><tr><td>ANT_SEL_1</td><td>ANT_SEL_1 - @single_brd.lib.RADIO_MLB</td><td>26C3 30C2 37C1</td></tr><tr><td>ANT_SEL_2</td><td>ANT_SEL_2 - @single_brd.lib.RADIO_MLB</td><td>26C1 30C2 37C1</td></tr><tr><td>ANT_SEL_3</td><td>ANT_SEL_3 - @single_brd.lib.RADIO_MLB</td><td>30C2 37C1</td></tr><tr><td>ANT_SEL_4</td><td>ANT_SEL_4 - @single_brd.lib.RADIO_MLB</td><td>30C2 37C1</td></tr><tr><td>AP_HSIC1_RDY</td><td>AP_HSIC1_RDY - @single_brd.lib.SINGLE_BRD</td><td>3B7 21A4</td></tr><tr><td>AP_HSIC1_RDY</td><td>AP_HSIC1_RDY - @single_brd.lib.RADIO_MLB</td><td>26B6 26C1 26D8 30B2</td></tr><tr><td>AP_HSIC3_RDY</td><td>AP_HSIC3_RDY - @single_brd.lib.RADIO_MLB</td><td>3B5 21D1</td></tr><tr><td>AP_HSIC3_RDY</td><td>AP_HSIC3_RDY - @single_brd.lib.SINGLE_BRD</td><td>26B8 42A4 42B3</td></tr><tr><td>AP_WAKE_MODEM</td><td>AP_WAKE_MODEM - @single_brd.lib.SINGLE_BRD</td><td>3A7 21B4</td></tr><tr><td>AP_WAKE_MODEM</td><td>AP_WAKE_MODEM - @single_brd.lib.RADIO_MLB</td><td>26D8 30B4</td></tr><tr><td>B1B4_SELECT</td><td>B1B4_SELECT - @single_brd.lib.RADIO_MLB</td><td>30B4 38D3</td></tr><tr><td>B2_RX_BAL_TERM</td><td>B2_RX_BAL_TERM - @single_brd.lib.RADIO_MLB</td><td>39B2</td></tr><tr><td>BB_ERROR_FLAG</td><td>BB_ERROR_FLAG - @single_brd.lib.RADIO_MLB</td><td>26C6 30C4</td></tr><tr><td>BB_HSIC1_REMOTE_WAKE</td><td>BB_HSIC1_REMOTE_WAKE - @single_brd.lib.RADIO_MLB</td><td>3B7 21C4</td></tr><tr><td>BB_HSIC1_REMOTE_WAKE</td><td>BB_HSIC1_REMOTE_WAKE - @single_brd.lib.SINGLE_BRD</td><td>26C8 30B2</td></tr><tr><td>BB_I2S_CLK</td><td>BB_I2S_CLK - @single_brd.lib.RADIO_MLB</td><td>3D4 21C4</td></tr><tr><td>BB_I2S_CLK</td><td>BB_I2S_CLK - @single_brd.lib.SINGLE_BRD</td><td>26C8 30B4</td></tr><tr><td>BB_I2S_RXD</td><td>BB_I2S_RXD - @single_brd.lib.RADIO_MLB</td><td>3D4 21C4</td></tr><tr><td>BB_I2S_RXD</td><td>BB_I2S_RXD - @single_brd.lib.SINGLE_BRD</td><td>26C8 30B4</td></tr><tr><td>BB_I2S_TXD</td><td>BB_I2S_TXD - @single_brd.lib.RADIO_MLB</td><td>3D4 21C4</td></tr><tr><td>BB_I2S_TXD</td><td>BB_I2S_TXD - @single_brd.lib.SINGLE_BRD</td><td>26C8 30B4</td></tr><tr><td>BB_I2S_WS</td><td>BB_I2S_WS - @single_brd.lib.RADIO_MLB</td><td>3D4 21C4</td></tr><tr><td>BB_I2S_WS</td><td>BB_I2S_WS - @single_brd.lib.SINGLE_BRD</td><td>26C8 30B4</td></tr><tr><td>BB_JTAG_RTCLK</td><td>BB_JTAG_RTCLK - @single_brd.lib.RADIO_MLB</td><td>26C3 29B3</td></tr><tr><td>BB_JTAG_TCK</td><td>BB_JTAG_TCK - @single_brd.lib.RADIO_MLB</td><td>3B7 21D1</td></tr><tr><td>BB_JTAG_TCK</td><td>BB_JTAG_TCK - @single_brd.lib.SINGLE_BRD</td><td>26B8 26C3 29B5</td></tr><tr><td>BB_JTAG_TDI</td><td>BB_JTAG_TDI - @single_brd.lib.RADIO_MLB</td><td>3B7 21D1</td></tr><tr><td>BB_JTAG_TDI</td><td>BB_JTAG_TDI - @single_brd.lib.SINGLE_BRD</td><td>26B8 26C3 29B5</td></tr><tr><td>BB_JTAG_TDO</td><td>BB_JTAG_TDO - @single_brd.lib.RADIO_MLB</td><td>3B7 21D1</td></tr><tr><td>BB_JTAG_TDO</td><td>BB_JTAG_TDO - @single_brd.lib.SINGLE_BRD</td><td>26A8 26C3 29B3</td></tr><tr><td>BB_JTAG_TMS</td><td>BB_JTAG_TMS - @single_brd.lib.RADIO_MLB</td><td>3B7 21D1</td></tr><tr><td>BB_JTAG_TMS</td><td>BB_JTAG_TMS - @single_brd.lib.SINGLE_BRD</td><td>26A8 26C3 29B5</td></tr><tr><td>BB_JTAG_TRST_L</td><td>BB_JTAG_TRST_L - @single_brd.lib.RADIO_MLB</td><td>3A5 21D1</td></tr>&lt;</table>	100_XCVR_DCS1800_RX_N	100_XCVR_DCS1800_RX_N - @single_brd.lib.RADIO_MLB	31B7 37C8	100_XCVR_DCS1800_RX_P	100_XCVR_DCS1800_RX_P - @single_brd.lib.RADIO_MLB	31B7 37B8	A0_PMCLK	A0_PMCLK - @single_brd.lib.RADIO_MLB	28B3	ADC_LD06_RUIM_IV8	ADC_LD06_RUIM_IV8 - @single_brd.lib.SINGLE_BRD	13B6 21C4	ADC_LVS1	ADC_LVS1 - @single_brd.lib.SINGLE_BRD	26D5	ADC_LVS1	ADC_LVS1 - @single_brd.lib.SINGLE_BRD	13B6 21C4	ADC_LVS1	ADC_LVS1 - @single_brd.lib.RADIO_MLB	26D5	ADC_SMPS1_MSMC_IV05	ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD	13C6 21C4	ADC_SMPS1_MSMC_IV05	ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD	26D5	ADC_SMPS1_MSMC_IV05	ADC_SMPS1_MSMC_IV05 - @single_brd.lib.RADIO_MLB	13C6 21C4	ADC_SMPS1_MSMC_IV05	ADC_SMPS1_MSMC_IV05 - @single_brd.lib.SINGLE_BRD	26D5	AGG_CHANNEL	AGG_CHANNEL - @single_brd.lib.RADIO_MLB	42A6 42B4	ANT_SEL_0	ANT_SEL_0 - @single_brd.lib.RADIO_MLB	30C2 37C1	ANT_SEL_1	ANT_SEL_1 - @single_brd.lib.RADIO_MLB	26C3 30C2 37C1	ANT_SEL_2	ANT_SEL_2 - @single_brd.lib.RADIO_MLB	26C1 30C2 37C1	ANT_SEL_3	ANT_SEL_3 - @single_brd.lib.RADIO_MLB	30C2 37C1	ANT_SEL_4	ANT_SEL_4 - @single_brd.lib.RADIO_MLB	30C2 37C1	AP_HSIC1_RDY	AP_HSIC1_RDY - @single_brd.lib.SINGLE_BRD	3B7 21A4	AP_HSIC1_RDY	AP_HSIC1_RDY - @single_brd.lib.RADIO_MLB	26B6 26C1 26D8 30B2	AP_HSIC3_RDY	AP_HSIC3_RDY - @single_brd.lib.RADIO_MLB	3B5 21D1	AP_HSIC3_RDY	AP_HSIC3_RDY - @single_brd.lib.SINGLE_BRD	26B8 42A4 42B3	AP_WAKE_MODEM	AP_WAKE_MODEM - @single_brd.lib.SINGLE_BRD	3A7 21B4	AP_WAKE_MODEM	AP_WAKE_MODEM - @single_brd.lib.RADIO_MLB	26D8 30B4	B1B4_SELECT	B1B4_SELECT - @single_brd.lib.RADIO_MLB	30B4 38D3	B2_RX_BAL_TERM	B2_RX_BAL_TERM - @single_brd.lib.RADIO_MLB	39B2	BB_ERROR_FLAG	BB_ERROR_FLAG - @single_brd.lib.RADIO_MLB	26C6 30C4	BB_HSIC1_REMOTE_WAKE	BB_HSIC1_REMOTE_WAKE - @single_brd.lib.RADIO_MLB	3B7 21C4	BB_HSIC1_REMOTE_WAKE	BB_HSIC1_REMOTE_WAKE - @single_brd.lib.SINGLE_BRD	26C8 30B2	BB_I2S_CLK	BB_I2S_CLK - @single_brd.lib.RADIO_MLB	3D4 21C4	BB_I2S_CLK	BB_I2S_CLK - @single_brd.lib.SINGLE_BRD	26C8 30B4	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.RADIO_MLB	3D4 21C4	BB_I2S_RXD	BB_I2S_RXD - @single_brd.lib.SINGLE_BRD	26C8 30B4	BB_I2S_TXD	BB_I2S_TXD - @single_brd.lib.RADIO_MLB	3D4 21C4	BB_I2S_TXD	BB_I2S_TXD - @single_brd.lib.SINGLE_BRD	26C8 30B4	BB_I2S_WS	BB_I2S_WS - @single_brd.lib.RADIO_MLB	3D4 21C4	BB_I2S_WS	BB_I2S_WS - @single_brd.lib.SINGLE_BRD	26C8 30B4	BB_JTAG_RTCLK	BB_JTAG_RTCLK - @single_brd.lib.RADIO_MLB	26C3 29B3	BB_JTAG_TCK	BB_JTAG_TCK - @single_brd.lib.RADIO_MLB	3B7 21D1	BB_JTAG_TCK	BB_JTAG_TCK - @single_brd.lib.SINGLE_BRD	26B8 26C3 29B5	BB_JTAG_TDI	BB_JTAG_TDI - @single_brd.lib.RADIO_MLB	3B7 21D1	BB_JTAG_TDI	BB_JTAG_TDI - @single_brd.lib.SINGLE_BRD	26B8 26C3 29B5	BB_JTAG_TDO	BB_JTAG_TDO - @single_brd.lib.RADIO_MLB	3B7 21D1	BB_JTAG_TDO	BB_JTAG_TDO - @single_brd.lib.SINGLE_BRD	26A8 26C3 29B3	BB_JTAG_TMS	BB_JTAG_TMS - @single_brd.lib.RADIO_MLB	3B7 21D1	BB_JTAG_TMS	BB_JTAG_TMS - @single_brd.lib.SINGLE_BRD	26A8 26C3 29B5	BB_JTAG_TRST_L	BB_JTAG_TRST_L - @single_brd.lib.RADIO_MLB	3A5 21D1
Base Signal	Synonyms	Location([Zone][dir])																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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single_brd[5D3] C143 CAP_01005 single_brd[10B2] C144 CAP_01005 single_brd[6C5] C145 CAP_0402 single_brd[12D3] C146 CAP_0201 single_brd[17B4] C147 CAP_01005 single_brd[17B4] C148 CAP_01005 single_brd[5C6] C149 CAP_0402-1 single_brd[17D4] C150 CAP_01005 single_brd[17B3] C151 CAP_0204 single_brd[5C3] C152 CAP_0610 single_brd[5D3] C153 CAP_0204 single_brd[5D3] C154 CAP_P_0603-LLP single_brd[17A4] C155 CAP_0201 single_brd[17A3] C156 CAP_0402-1 single_brd[17D3] C157 CAP_0201 single_brd[17B3] C158 CAP_0204 single_brd[5C3] C159 CAP_01005 single_brd[12A8] C160 CAP_0610 single_brd[5D3] C161 CAP_0204 single_brd[5D3] C162 CAP_0402-1 single_brd[17D3] C163 CAP_201 single_brd[17D2] C164 CAP_0402 single_brd[17A7] C165 CAP_01005 single_brd[17D2] C166 CAP_0204 single_brd[5C3] C167 CAP_01005 single_brd[12A7] C168 CAP_01005 single_brd[12A5] C169 CAP_0204 single_brd[5D3] C170 CAP_P_0402 single_brd[17B4] C171 CAP_01005 single_brd[19B4] C172 CAP_01005 single_brd[5C3] C173 CAP_01005 single_brd[5C3] C174 CAP_0204 single_brd[5C3] C175 CAP_01005 single_brd[19B4] C176 CAP_01005 single_brd[16B7] C177 CAP_0204 single_brd[5D3] C178 CAP_0201-MUR single_brd[6C4] C179 CAP_01005 single_brd[19A5] C179_RF CAP_0402-1 radio_mlb[33C7]single_brd[21] C180 CAP_0204 single_brd[6D4] C181 CAP_01005 single_brd[19B5] C182 CAP_0402-1 single_brd[6D3] C183 CAP_0402-1 single_brd[6D3] C184 CAP_0402-1 single_brd[6D3] C185 CAP_0204 single_brd[6D3] C186 CAP_0204 single_brd[6D3] C187 CAP_0402-1 single_brd[6D2] C188 CAP_0204 single_brd[6D2] C189 CAP_01005 single_brd[19B3] C190 CAP_402 single_brd[7D4] C190_RF CAP_0402 radio_mlb[33B5]single_brd[21] C191 CAP_01005 single_brd[7D2] C192 CAP_01005 single_brd[11D6] C193 CAP_603 single_brd[11C2] C194 CAP_0201-MUR single_brd[11C7] C195 CAP_0402 single_brd[11C2] C196 CAP_01005 single_brd[11C6] C197 CAP_01005 single_brd[8B7] C198 CAP_01005 single_brd[11D5] C199 CAP_01005 single_brd[11B6] C200 CAP_01005 single_brd[11C3] C201 CAP_01005 single_brd[11C6] C201_RF CAP_0402 radio_mlb[27B7]single_brd[21] C202 CAP_01005 single_brd[11C6] C202_RF CAP_0402 radio_mlb[27C7]single_brd[21] C203 CAP_0402-1 single_brd[10D2] C203_RF CAP_0402 radio_mlb[27B7]single_brd[21] C204 CAP_0402-2 single_brd[12C7] C204_RF CAP_0402 radio_mlb[27C7]single_brd[21] C205 CAP_01005 single_brd[12D5] C206 CAP_01005 single_brd[12C3] C206_RF CAP_01005 radio_mlb[27C6]single_brd[21] C207 CAP_01005 single_brd[7B3] C207_RF CAP_0402 radio_mlb[27C3]single_brd[21] C208 CAP_01005 single_brd[12D3] C208_RF CAP_0603 radio_mlb[27C3]single_brd[21] C209 CAP_0402-1 single_brd[6D2] C209_RF CAP_0603 radio_mlb[27C3]single_brd[21] C210 CAP_01005 single_brd[11B6] C210_RF CAP_0603 radio_mlb[27B3]single_brd[21] C211 CAP_01005 single_brd[11B6] C211_RF CAP_0603 radio_mlb[27B3]single_brd[21] C212 CAP_01005 single_brd[11B6] C212_RF CAP_0201-MUR radio_mlb[27A5]single_brd[21] C213 CAP_01005 single_brd[13A2] C213_RF CAP_0201-MUR radio_mlb[27A5]single_brd[21] C214 CAP_01005 single_brd[13A2] C214_RF CAP_0201-MUR radio_mlb[27A5]single_brd[21] C215 CAP_0201-MUR single_brd[16C3] C215_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21] C216 CAP_0201-MUR single_brd[8B4] C216_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21] C217 CAP_0402 single_brd[17A6] C217_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21] C218 CAP_402 single_brd[9C6]	C218_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21] C219 CAP_402 single_brd[9C6] C219_RF CAP_0201-MUR radio_mlb[27A4]single_brd[21] C220 CAP_01005 single_brd[10C7] C220_RF CAP_0402-1 radio_mlb[27A3]single_brd[21] C221 CAP_01005 single_brd[10C7] C221_RF CAP_0402-1 radio_mlb[27A3]single_brd[21] C222 CAP_01005 single_brd[9C7] C222_RF CAP_0402-1 radio_mlb[27A3]single_brd[21] C223 CAP_01005 single_brd[9C7] C223_RF CAP_01005 radio_mlb[27B8]single_brd[21] C224 CAP_01005 single_brd[9C7] C225 CAP_01005 single_brd[9C7] C226 CAP_01005 single_brd[10C6] C226_RF CAP_0402 radio_mlb[27C8]single_brd[21] C227 CAP_01005 single_brd[9C7] C228 CAP_01005 single_brd[9C7] C229 CAP_01005 single_brd[10C6] C229_RF CAP_0402-1 radio_mlb[27A3]single_brd[21] C230 CAP_01005 single_brd[9C7] C230_RF CAP_0402-1 radio_mlb[27A2]single_brd[21] C231 CAP_01005 single_brd[9C6] C231_RF CAP_0201-MUR radio_mlb[27D3]single_brd[21] C232 CAP_402 single_brd[10C4] C233 CAP_402 single_brd[10C4] C233_RF CAP_01005 radio_mlb[27C2]single_brd[21] C234 CAP_402 single_brd[10B5] C234_RF CAP_0201-MUR radio_mlb[27A5]single_brd[21] C235 CAP_01005 single_brd[10B2] C235_RF CAP_0402-1 radio_mlb[27B8]single_brd[21] C236 CAP_01005 single_brd[10B2] C236_RF CAP_0402-1 radio_mlb[27B8]single_brd[21] C237 CAP_402 single_brd[10B6] C237_RF CAP_0402-1 radio_mlb[27B8]single_brd[21] C238 CAP_402 single_brd[10B6] C239 CAP_01005 single_brd[17A6] C240 CAP_01005 single_brd[16B3] C241 CAP_01005 single_brd[8B3] C242 CAP_01005 single_brd[16D7] C243 CAP_01005 single_brd[18D3] C244 CAP_01005 single_brd[8B4] C245 CAP_01005 single_brd[10D4] C246 CAP_0201 single_brd[17A7] C247 CAP_0402-2 single_brd[12D7] C248 CAP_0201-MUR single_brd[20A6] C249 CAP_0402-2 single_brd[20A7] C250 CAP_0402-2 single_brd[12D6] C251 CAP_0402-2 single_brd[12D6] C252 CAP_0402-1 single_brd[13B4] C253 CAP_01005 single_brd[11A4] C254 CAP_0402 single_brd[13A1] C255 CAP_0201-1 single_brd[16B7] C256 CAP_0402 single_brd[11C3] C257 CAP_01005 single_brd[17A3] C258 CAP_01005 single_brd[18B3] C259 CAP_01005 single_brd[7C3] C260 CAP_0402-2 single_brd[12B8] C261 CAP_0402-2 single_brd[12B8] C262 CAP_0402-1 single_brd[13B3] C263 CAP_0402-2 single_brd[12B8] C264 CAP_0402-2 single_brd[12B8] C265 CAP_01005 single_brd[12B8] C266 CAP_0201-MUR single_brd[12C8] C267 CAP_0402-2 single_brd[12B8] C268 CAP_0402-2 single_brd[12C7] C269 CAP_0402-2 single_brd[12C7] C270 CAP_0402-2 single_brd[12B7] C271 CAP_0402-2 single_brd[12B7] C272 CAP_0402 single_brd[12C7] C273 CAP_01005 single_brd[21D6] C274 CAP_01005 single_brd[7C2] C275 CAP_01005 single_brd[21C6] C276 CAP_01005 single_brd[12A7] C277 CAP_01005 single_brd[12B7] C278 CAP_402 single_brd[12B7] C279 CAP_01005 single_brd[21D6] C280 CAP_01005 single_brd[7C2] C281 CAP_0402-2 single_brd[12C7] C282 CAP_402 single_brd[12B7] C283 CAP_01005 single_brd[12A6] C284 CAP_01005 single_brd[7C2] C285 CAP_01005 single_brd[12A5] C286 CAP_01005 single_brd[20C5] C287 CAP_01005 single_brd[20C6] C288 CAP_0402 single_brd[11C2] C289 CAP_0402-1 single_brd[8C5] C290 CAP_0402 single_brd[12D4] C291 CAP_0402 single_brd[12C3] C292 CAP_0402 single_brd[12D4] C293 CAP_0402-2 single_brd[12C2] C294 CAP_0402 single_brd[12D4] C295 CAP_0402 single_brd[12D2] C296 CAP_0402 single_brd[12D4] C297 CAP_0402-2 single_brd[12D7] C298 CAP_0201-MUR single_brd[14A8] C299 CAP_402 single_brd[12B4] C300 CAP_01005 single_brd[14A7] C301 CAP_0402 single_brd[12D1] C302 CAP_0402 single_brd[6C2] C303 CAP_0402 single_brd[12D2] C304 CAP_0402 single_brd[15C3] C305 CAP_0402 single_brd[12D2] C306 CAP_402 single_brd[12B4] C306_RF CAP_01005 radio_mlb[26B4]single_brd[21] C307 CAP_0402-1 single_brd[6D2] C308 CAP_0402-2 single_brd[12C3] C308_RF CAP_01005 radio_mlb[28B2]single_brd[21] C309 CAP_01005 single_brd[14C4] C310 CAP_0402 single_brd[12D2] C311 CAP_01005 single_brd[8B7] C312 CAP_0402 single_brd[12D4] C313 CAP_01005 single_brd[8B7] C314 CAP_01005 single_brd[8B4] C315 CAP_0402-2 single_brd[12C1] C316 CAP_0402-2 single_brd[12C2] C317 CAP_201 single_brd[13D4] C318 CAP_0201-MUR single_brd[13C4] C319 CAP_201 single_brd[13C4] C320 CAP_0402-1 single_brd[13B4] C321 CAP_0402-1 single_brd[13B4] C322 CAP_01005 single_brd[12A4] C323 CAP_01005 single_brd[13C4] C324 CAP_0402-1 single_brd[13B4] C325 CAP_0402-2 single_brd[12D6]	C326 CAP_01005 single_brd[13C4] C327 CAP_0402-1 single_brd[13B3] C328 CAP_0201-MUR single_brd[13B3] C329 CAP_0402-2 single_brd[12C1] C330 CAP_0402-2 single_brd[12C1] C331 CAP_0603-1 single_brd[14D6] C332 CAP_0402-2 single_brd[14B7] C333 CAP_0402-2 single_brd[14D7] C334 CAP_0201-MUR single_brd[14B8] C335 CAP_0402-2 single_brd[14D7] C336 CAP_01005 single_brd[14B8] C337 CAP_0201-1 single_brd[14D6] C338 CAP_0201-MUR single_brd[15B4] C339 CAP_201 single_brd[14D4] C340 CAP_402 single_brd[14D3] C341 CAP_0201-MUR single_brd[14D3] C342 CAP_0201 single_brd[14D5] C343 CAP_0201 single_brd[17D2] C344 CAP_01005 single_brd[14B2] C345 CAP_01005 single_brd[14B2] C346 CAP_01005 single_brd[19A5] C347 CAP_0201-MUR single_brd[14B1] C348 CAP_0603-1 single_brd[14D5] C349 CAP_201 single_brd[12A4] C350 CAP_0402 single_brd[18C2] C351 CAP_01005 single_brd[18C1] C352 CAP_01005 single_brd[16C2] C353 CAP_0402 single_brd[18C1] C354 CAP_01005 single_brd[10C6] C355 CAP_01005 single_brd[16C3] C356 CAP_01005 single_brd[10C6] C357 CAP_0402-2 single_brd[12C8] C358 CAP_0402-2 single_brd[12C8] C359 CAP_01005 single_brd[16C3] C360 CAP_01005 single_brd[14C3] C361 CAP_01005 single_brd[14B2] C362 CAP_01005 single_brd[16A3] C363 CAP_01005 single_brd[14C2] C364 CAP_01005 single_brd[21C8] C365 CAP_01005 single_brd[21C8] C366 CAP_01005 single_brd[21C8] C367 CAP_01005 single_brd[21C7] C368 CAP_01005 single_brd[14D6] C369 CAP_0402 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CAP_01005 single_brd[20C4] C407 CAP_01005 single_brd[11C3] C408 CAP_01005 single_brd[19C5] C409 CAP_01005 single_brd[20C3] C410 CAP_01005 single_brd[11C3] C412 CAP_0201-MUR single_brd[10C5] C413 CAP_01005 single_brd[10D5] C414 CAP_0402-1 single_brd[10D5] C416 CAP_01005 single_brd[10D5] C417 CAP_0201-MUR single_brd[10D5] C420 CAP_201 single_brd[10D4] C421 CAP_01005 single_brd[10D4] C422 CAP_402 single_brd[10D3] C424 CAP_0402 single_brd[10B4] C425 CAP_402 single_brd[10C3] C429 CAP_402 single_brd[10C3] C434 CAP_402 single_brd[19D4] C436 CAP_0402-2 single_brd[19D2] C438 CAP_01005 single_brd[19D2] C439 CAP_01005 single_brd[18C2] C440 CAP_01005 single_brd[18C2] C500 CAP_01005 single_brd[14C2] C501 CAP_01005 single_brd[14C2] C501_RF CAP_0201-MUR radio_mlb[29D8]single_brd[21] C502_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] C503_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] C504_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] C505_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] C506_RF 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radio_mlb[29A6]single_brd[21] C527_RF CAP_0201-MUR radio_mlb[29A7]single_brd[21] C528_RF CAP_0201-MUR radio_mlb[29D5]single_brd[21]	C529 CAP_01005 single_brd[13C4] C530 CAP_01005 single_brd[13B3] C531 CAP_01005 single_brd[12C1] C532 CAP_0603-1 single_brd[14D6] C533 CAP_0402-2 single_brd[14B7] C534 CAP_0402-2 single_brd[14D7] C535 CAP_0201-MUR single_brd[14B8] C536 CAP_0402-2 single_brd[14D7] C537 CAP_01005 single_brd[14B8] C538 CAP_01005 single_brd[14B8] C539 CAP_0201-1 single_brd[14D6] C540 CAP_0201-MUR single_brd[15B4] C541 CAP_201 single_brd[14D4] C542 CAP_402 single_brd[14D3] C543 CAP_0201 single_brd[14D5] C544 CAP_01005 single_brd[14B2] C545 CAP_01005 single_brd[14B2] C546 CAP_01005 single_brd[19A5] C547 CAP_0201-MUR single_brd[14B1] C548 CAP_0603-1 single_brd[14D5] C549 CAP_201 single_brd[12A4] C550 CAP_0402 single_brd[18C2] C551 CAP_01005 single_brd[18C1] C552 CAP_01005 single_brd[16C2] C553 CAP_0402 single_brd[18C1] C554 CAP_01005 single_brd[10C6] C555 CAP_01005 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radio_mlb[29D7]single_brd[21] C518_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] C519_RF CAP_0201-MUR radio_mlb[29D6]single_brd[21] C520_RF CAP_0201-MUR radio_mlb[29D6]single_brd[21] C521_RF CAP_01005 radio_mlb[29B6]single_brd[21] C522_RF CAP_0201-MUR radio_mlb[29C8]single_brd[21] C523_RF CAP_0201-MUR radio_mlb[29A6]single_brd[21] C524_RF CAP_0201-MUR radio_mlb[29A6]single_brd[21] C525_RF CAP_0201-MUR radio_mlb[29B6]single_brd[21] C526_RF CAP_0201-MUR radio_mlb[29A6]single_brd[21] C527_RF CAP_0201-MUR radio_mlb[29A7]single_brd[21] C528_RF CAP_0201-MUR radio_mlb[29D5]single_brd[21]
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