

87654321

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  
16

ECN  
0001519661

DESCRIPTION OF REVISION  
ENGINEERING RELEASED

CK APPD  
DATE  
2012-07-02

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N41 SINGLE\_BRD\_PVT

Tue Jul 10 17:52:36 2012

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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
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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
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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 056-5192  
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  
BOM 639-4085 (16GB) BTR N42  
BOM 639-4084 (32GB) BST N42  
BOM 639-4083 (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	?
825-6838	1	LABEL FOR N41 639-3259	EEEE_DW3G	Y	EEEE_16G
825-6838	1	LABEL FOR N41 639-3420	EEEE_DY6Q	Y	EEEE_32G
825-6838	1	LABEL FOR N41 639-3421	EEEE_DY6R	Y	EEEE_64G
825-6838	1	LABEL FOR N42 639-2456	EEEE_DNVD	Y	EEEE_16G_N42
825-6838	1	LABEL FOR N41 639-3858	EEEE_F322	Y	EEEE_32G_N42
825-6838	1	LABEL FOR N41 639-3859	EEEE_F321	Y	EEEE_64G_N42
825-6838	1	LABEL FOR N41 639-4085	EEEE_F64R	Y	EEEE_16G_N42_SM
825-6838	1	LABEL FOR N41 639-4084	EEEE_F64Q	Y	EEEE_32G_N42_SM
825-6838	1	LABEL FOR N41 639-4083	EEEE_F64T	Y	EEEE_64G_N42_SM

N41 = BAND 17 COMP  
N42 = BAND 13 COMP

NAND OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
341T0427	1	IC,PROGRAM FLASH,BETTER,N41	U4	?	NAND_16G
341T0428	1	IC,PROGRAM FLASH,BEST,N41	U4	?	NAND_32G
341T0429	1	IC,PROGRAM FLASH,ULT,N41	U4	?	NAND_64G

RADIO\_MLB TDMA CAP OPTION

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
138S0801	3	CAP,CER,10UF,20%,10V,X5R,HZTL,0402	C235_RF,C236_RF,C237_RF	Y	?
138S0801	2	CAP,CER,10UF,20%,10V,X5R,HZTL,0402	C1201_RF,C1801_RF	Y	?

INDUCTOR 607-XXXX SUBBOM GEN

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
152S1547	4	IND,PWR,1.5UH,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_CYNTEC_SUBBOM
152S1695	4	IND,PWR,1.5UH,1.95A,111MOHM,2520	L10,L50,L14,L54	Y	CPU0_1_CYNTEC_SUBBOM
152S1432	3	IND,PWR,2.2UH,1.45A,125MOHM,2520	L11,L12,L13	Y	SOC_TDK_SUBBOM

INDUCTOR SUBBOM ADDITION

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

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
152S1602	152S1604	?	?	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
127S0162	127S0160	?	?	VISHAY 1.0UF TANT
127S0164	127S0160	?	?	ROHM 1.0UF TANT
376S1120	376S0774	?	?	DIODES INC FET
376S1060	376S0882	?	?	DIODES INC FET

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

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

SCHEM,MLB,N41

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051-9113

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BRANCH

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ANY QUESTIONS? EMAIL STAN RABU OR CRAIG BIRRELL



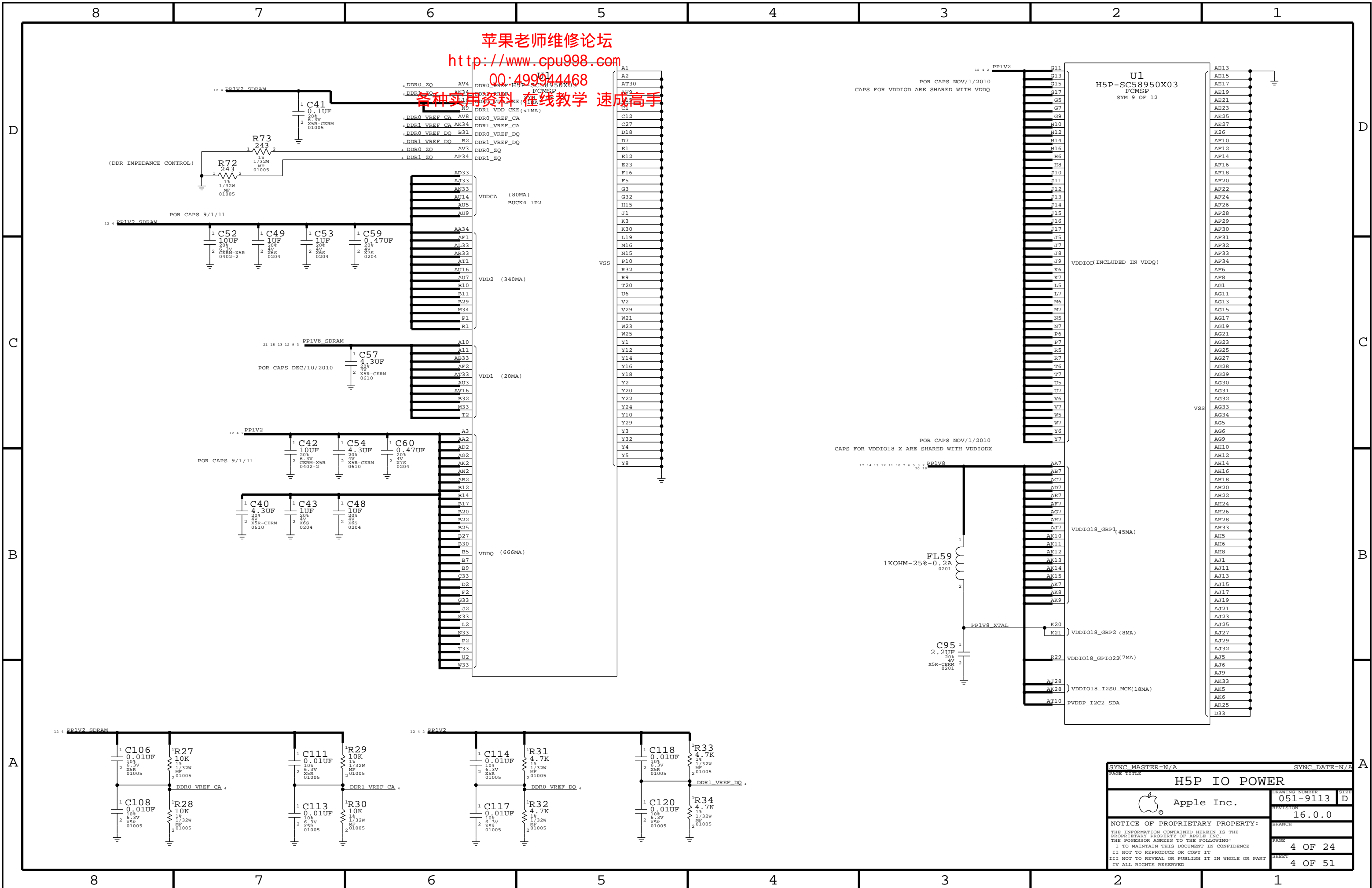



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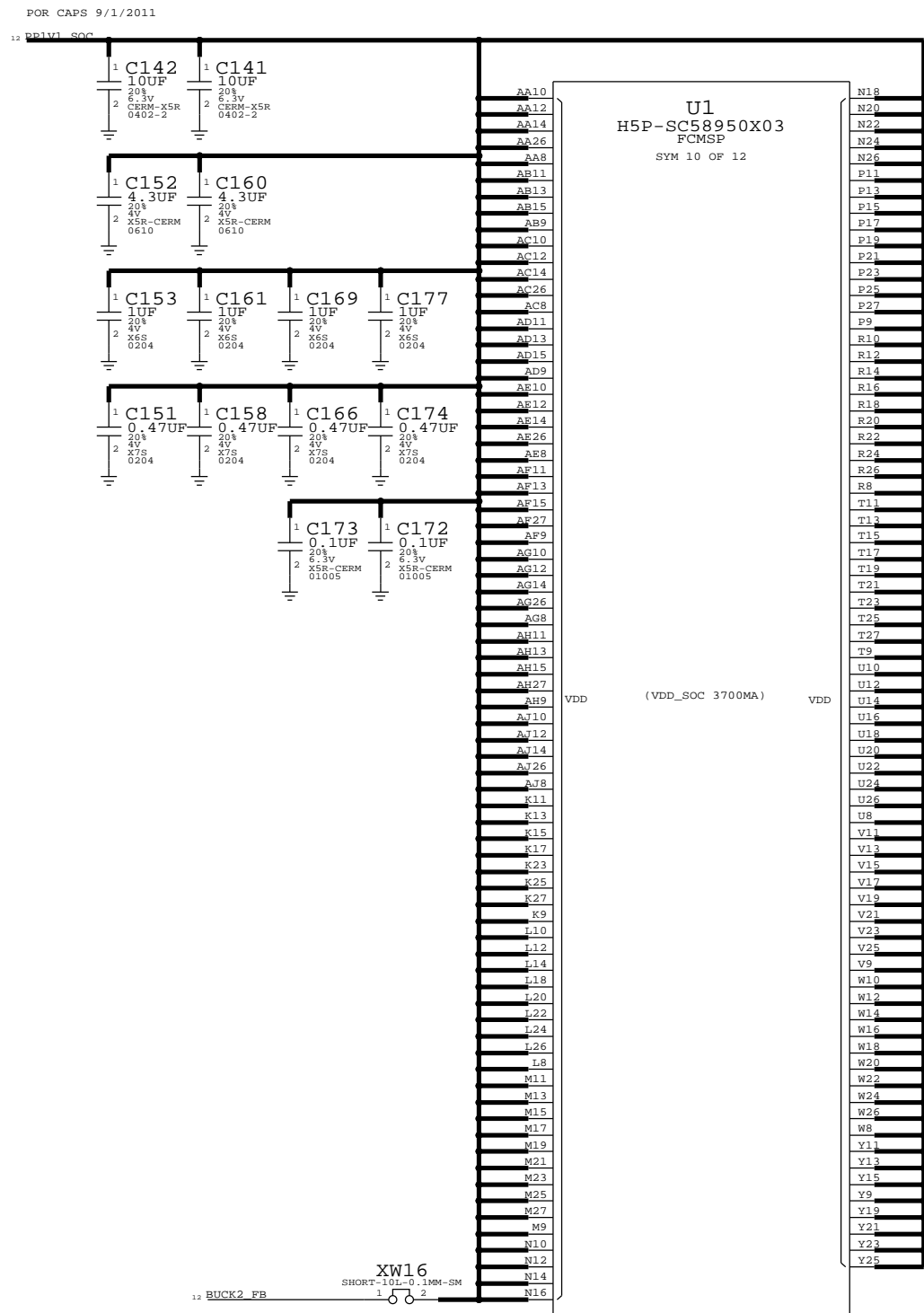
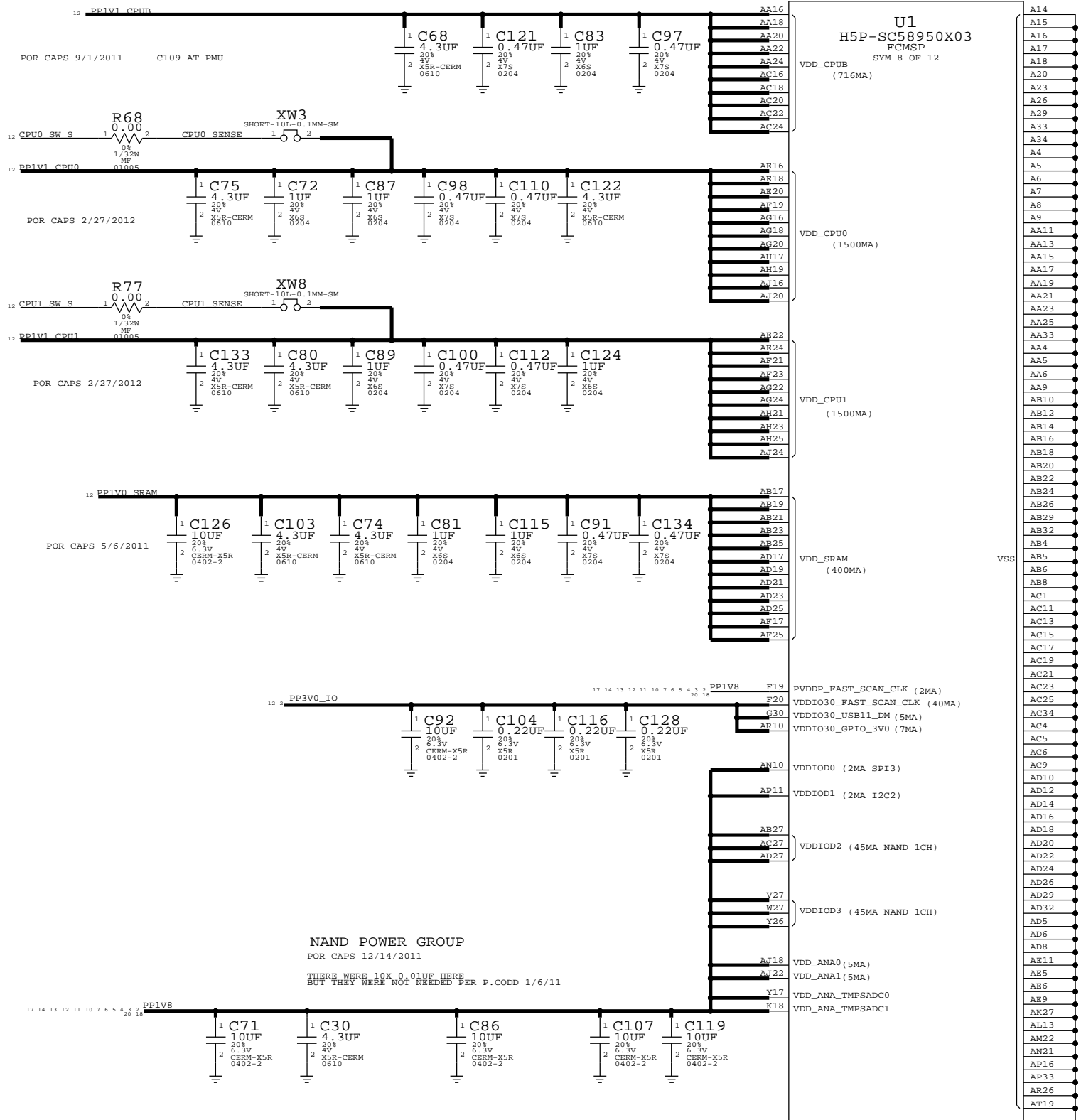
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H5P IO POWER			
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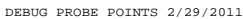


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A

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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

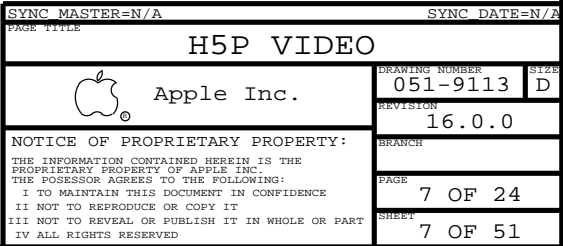
PP2 P4MM<sub>SM</sub> (PP)<sup>1</sup> FMI0 IQ<0><sub>6</sub>

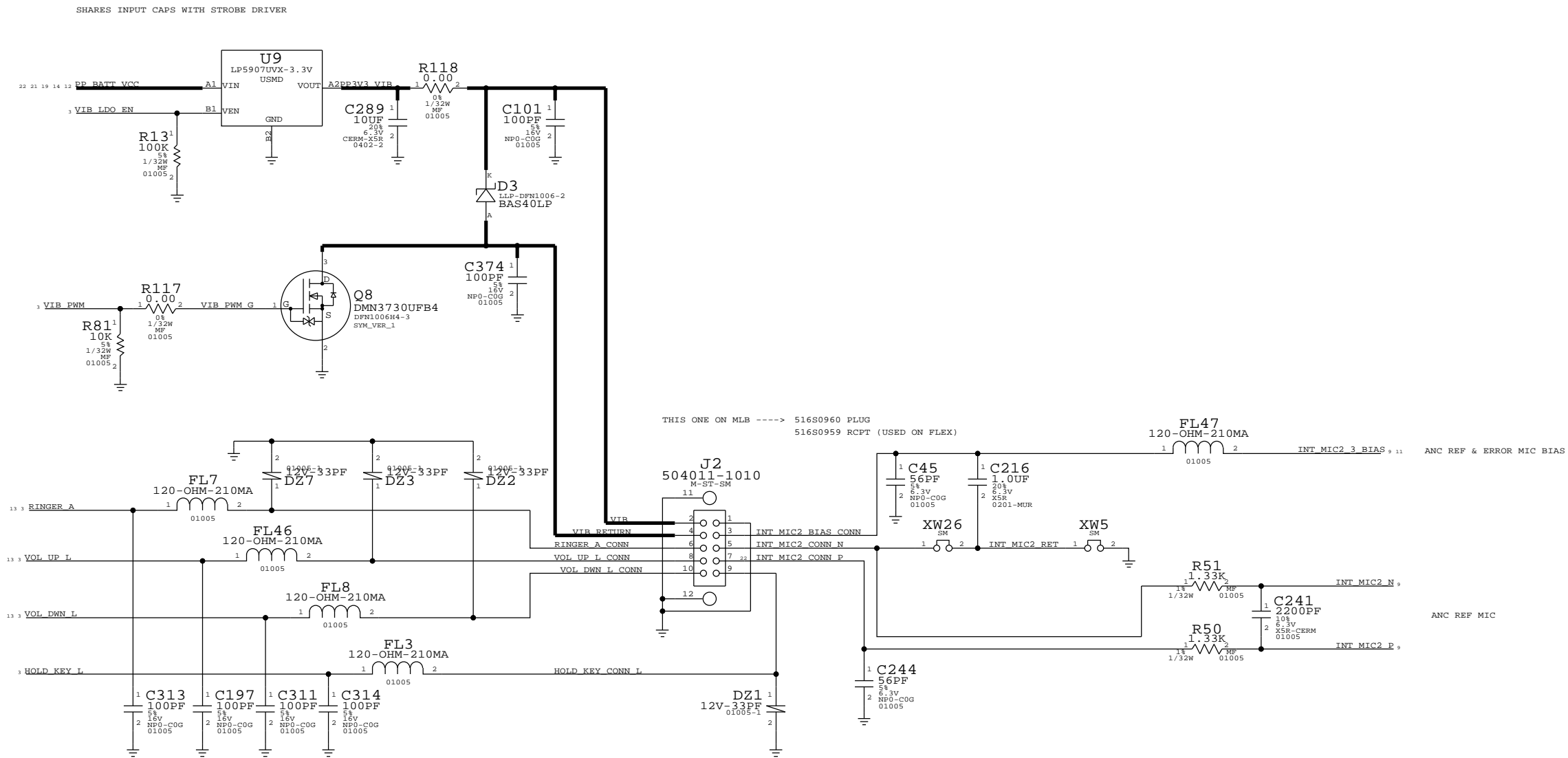
PP3 P4MM<sub>SM</sub> (PP)<sup>1</sup> 45 FMI0 RE L<sub>6</sub>

PP10 P4MM<sub>SM</sub> (PP)<sup>1</sup> 45 FMI0 DQS<sub>6</sub>

SYNC MASTER=N/A		SYNC DATE=N/A	
PAGE TITLE			
H5P W/ NAND			
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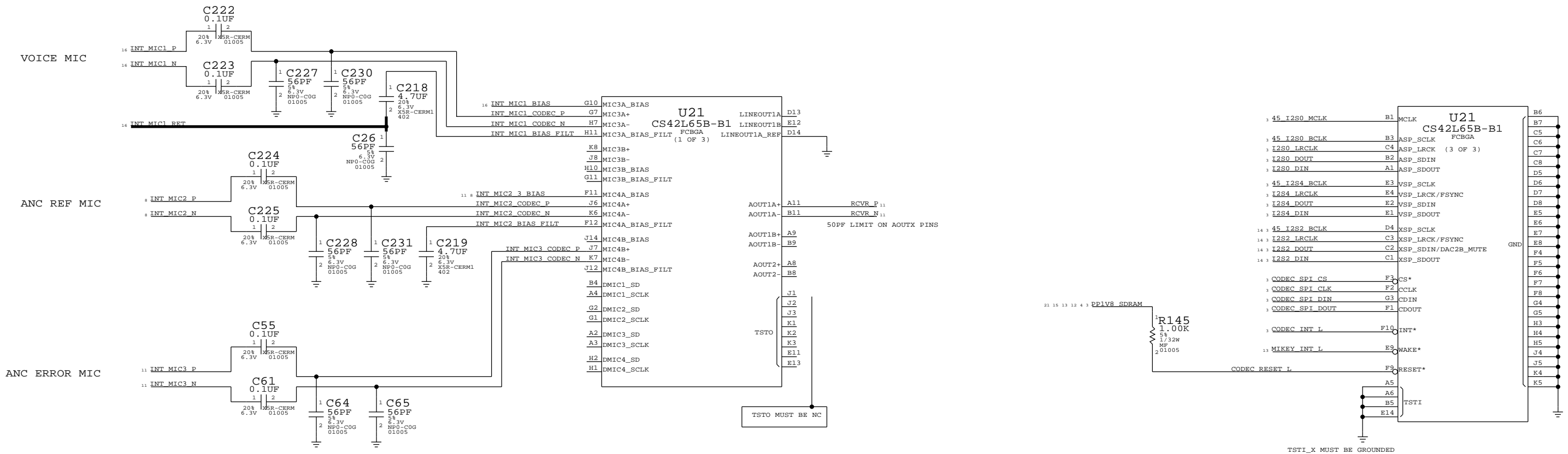






CS42L65 AUDIO CODEC

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## D

C



A

D

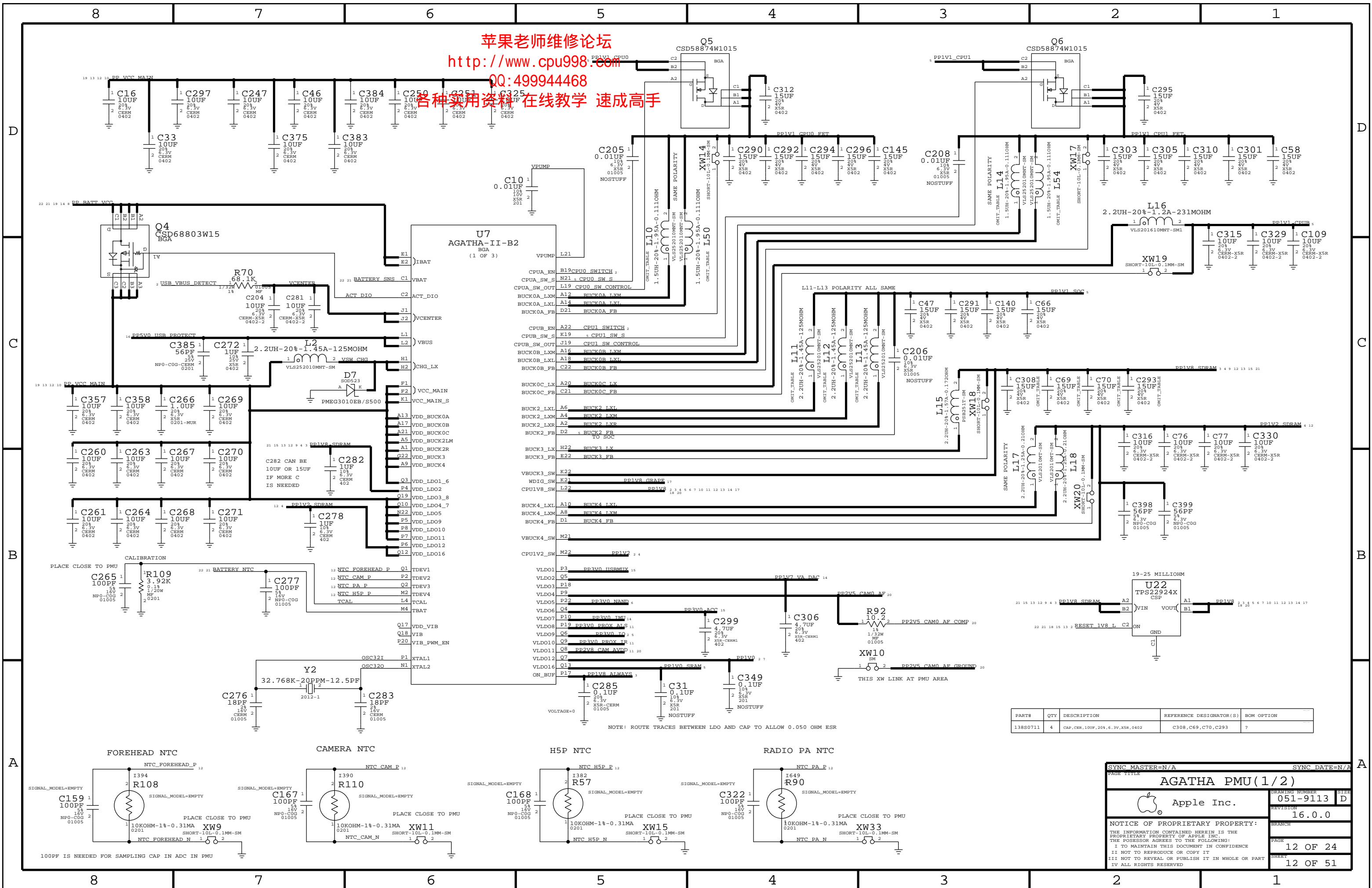
C

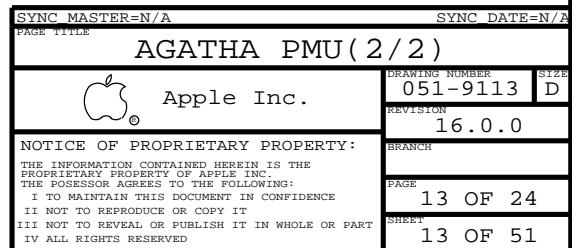
B

A



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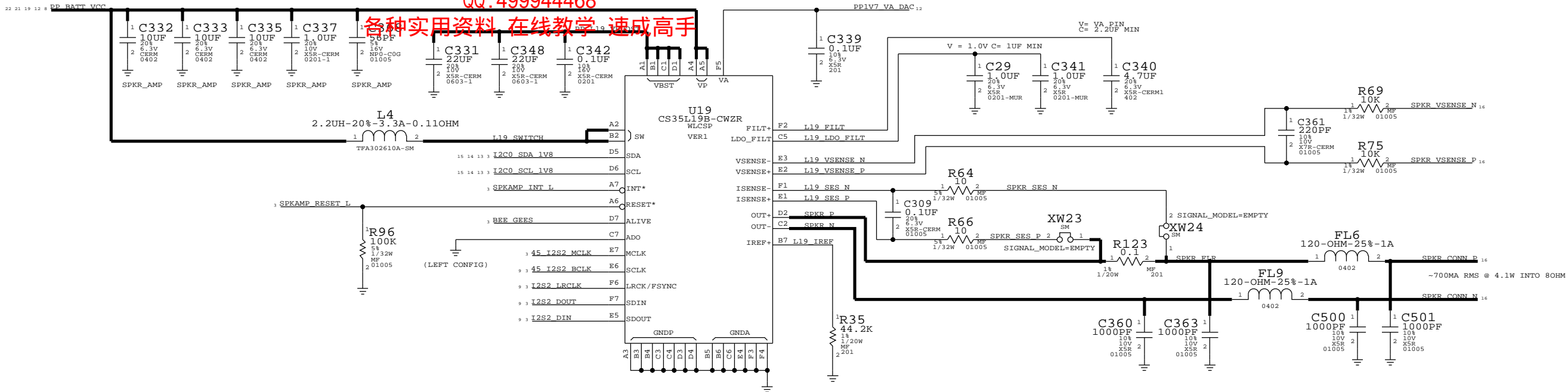


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# SPEAKER AMP

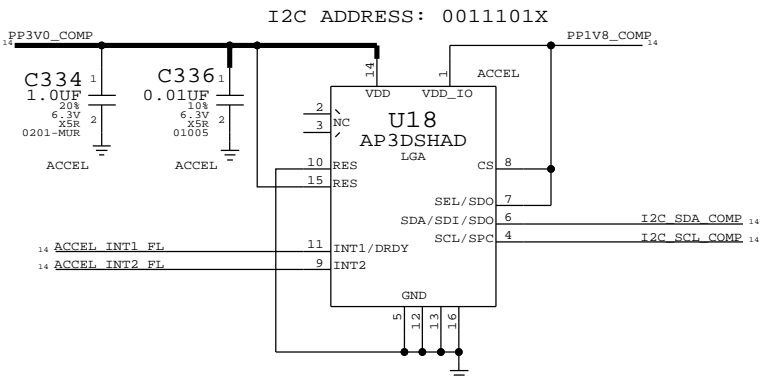
I2C ADDRESS: 1000000X

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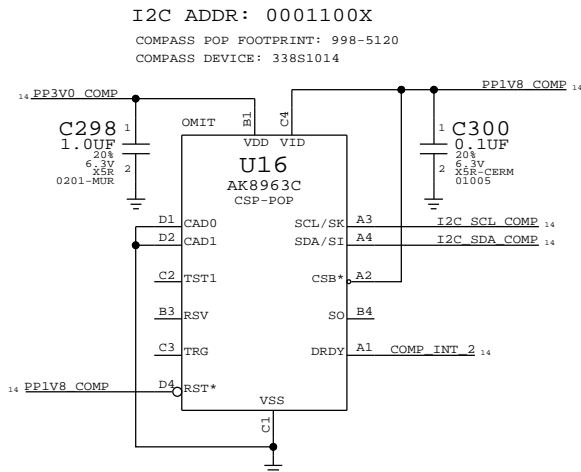


THESE PARTS OUTSIDE OF SHIELD

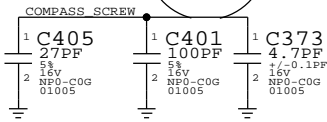
## ACCELEROMETER



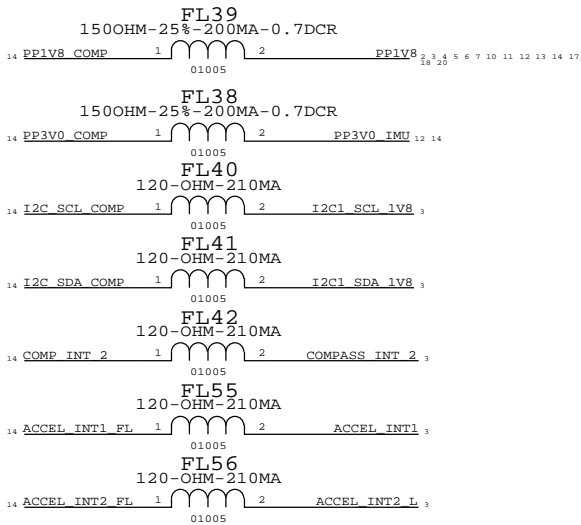
## COMPASS 2



COMPASS SCREW IS RF GROUND

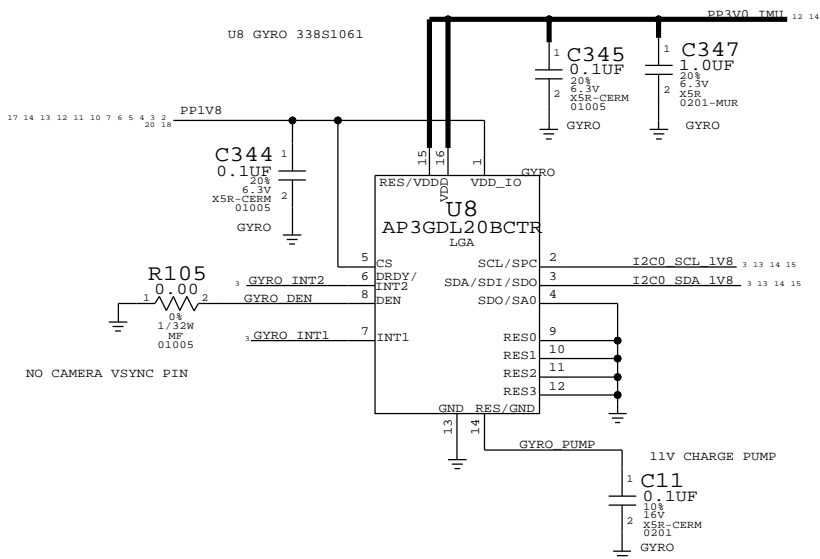


PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
639-4024	1	PCB,COMPASS POP,N41	U16	?



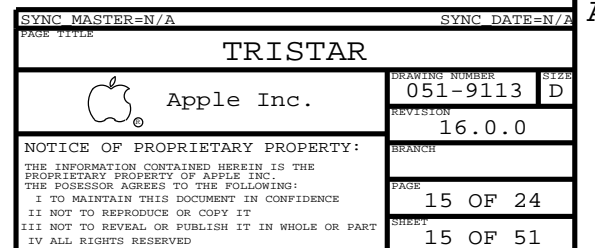
## GYRO 20KHZ

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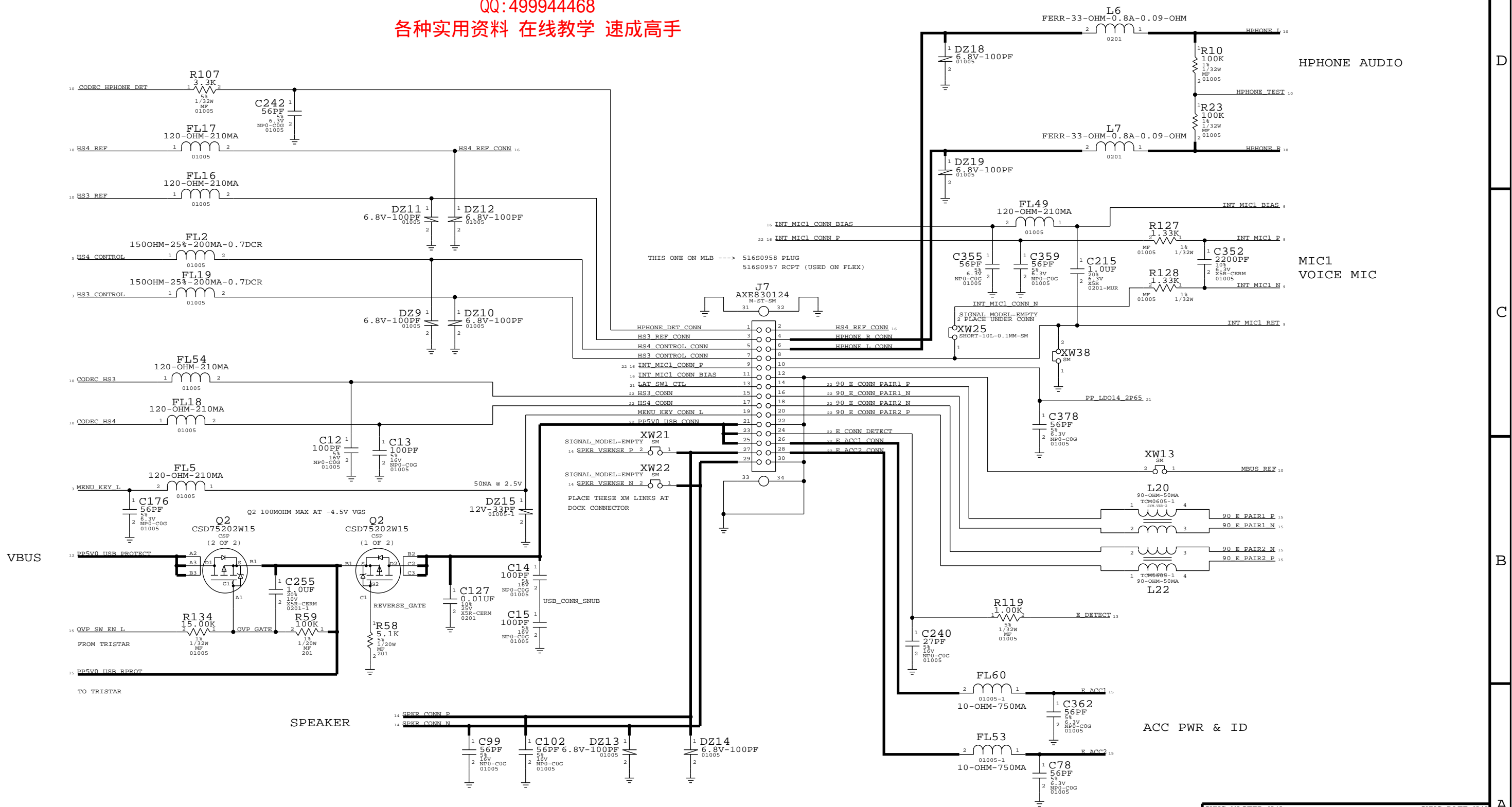



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ACCEL, GYRO, COMPASS, SPK AMP		DRAWING NUMBER	051-9113
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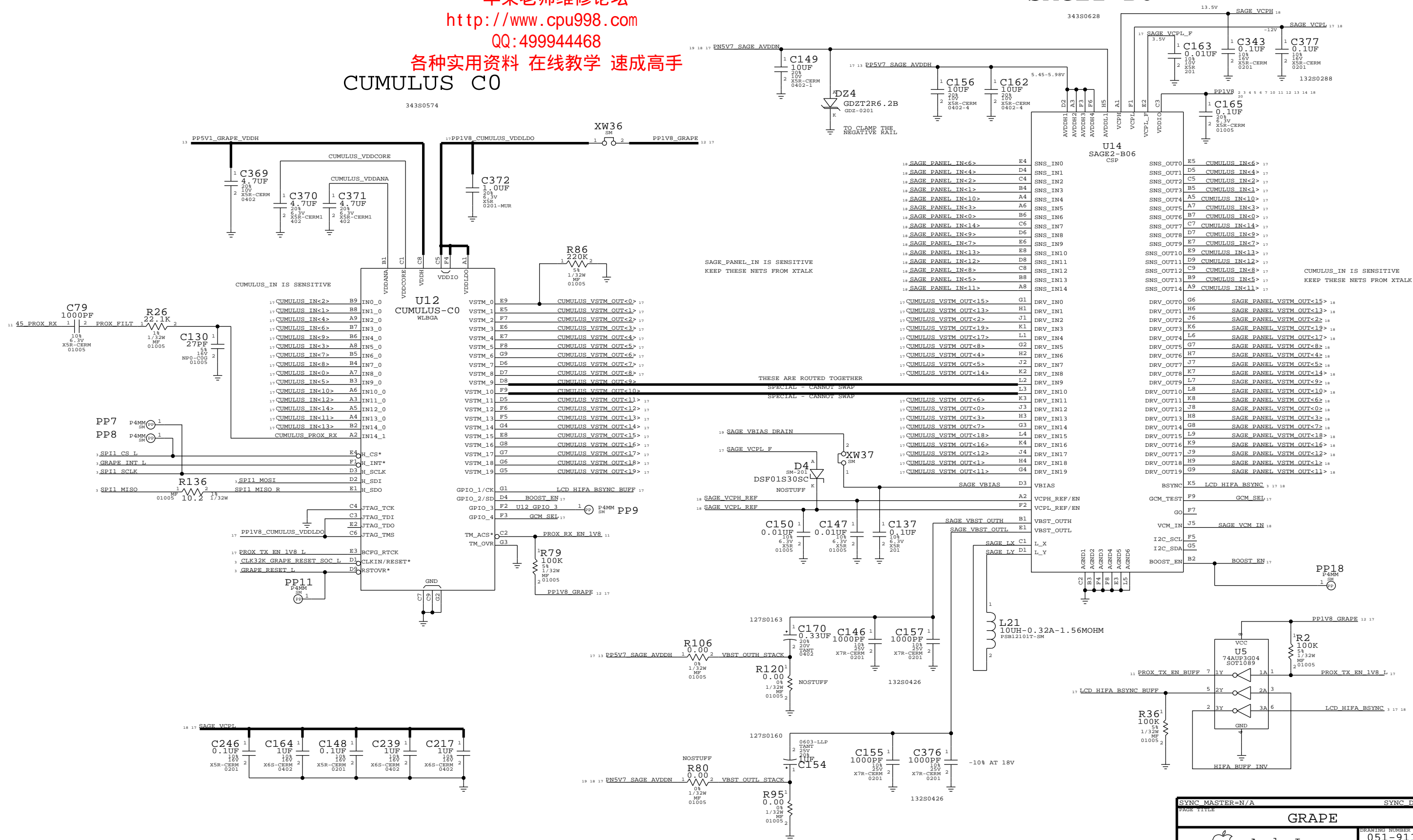



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DOCK CONNECTOR			
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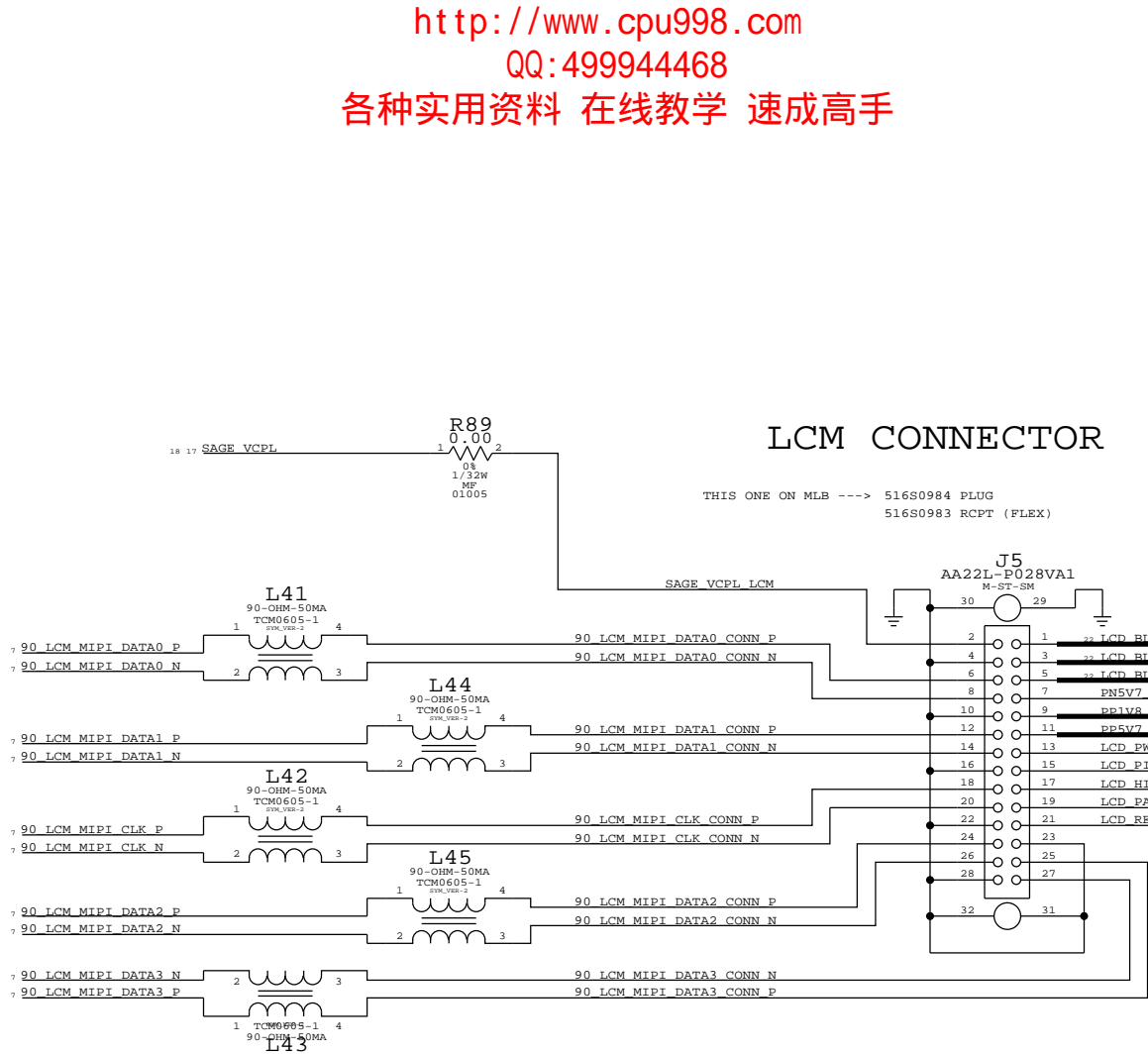
CUMULUS C0

SAGE2 B0



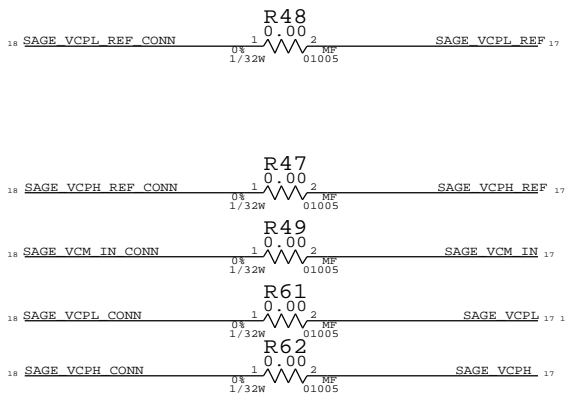
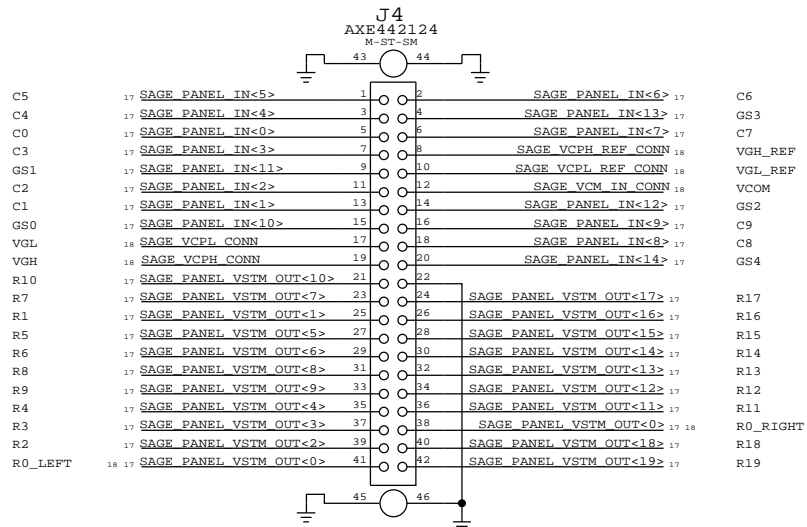
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GRAPE			
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## GRAPE CONNECTOR

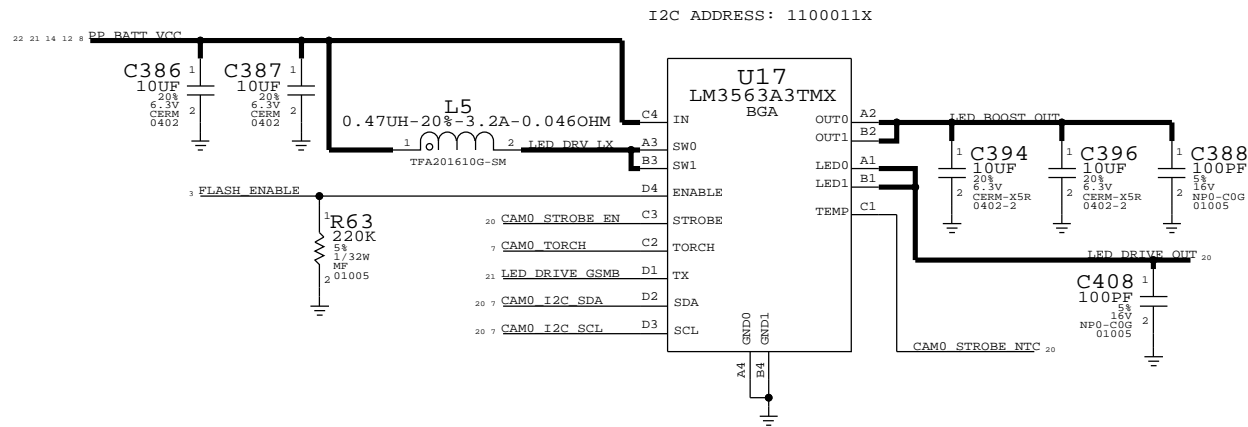
THIS ONE ON MLB ----> 516S0965 PLUG  
516S0966 RCPT (USED ON FLEX)



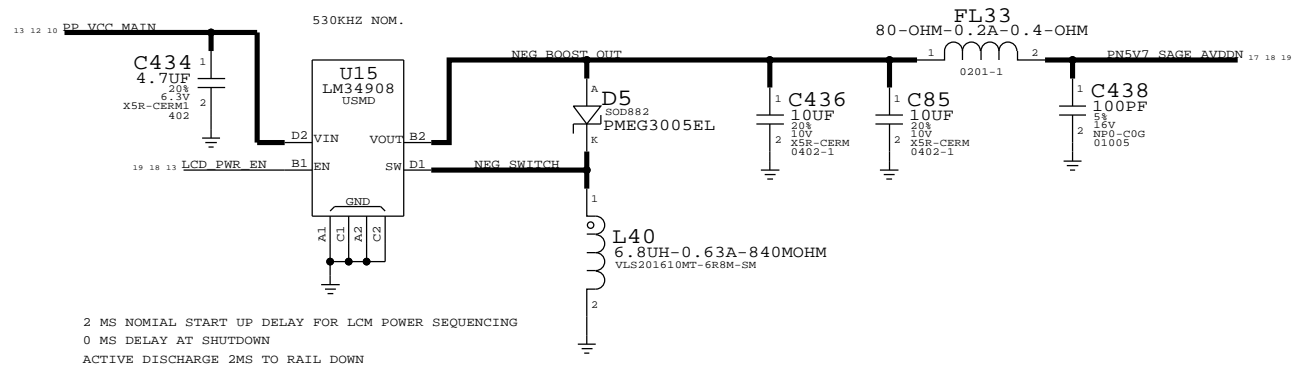
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LCM CONNECTOR			
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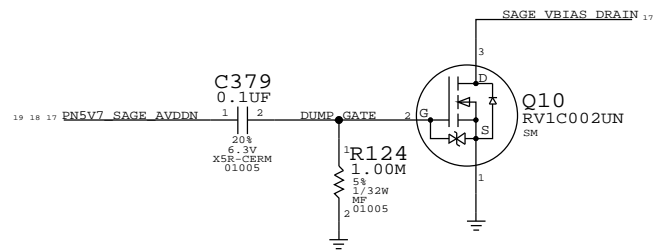
## LED DRIVER



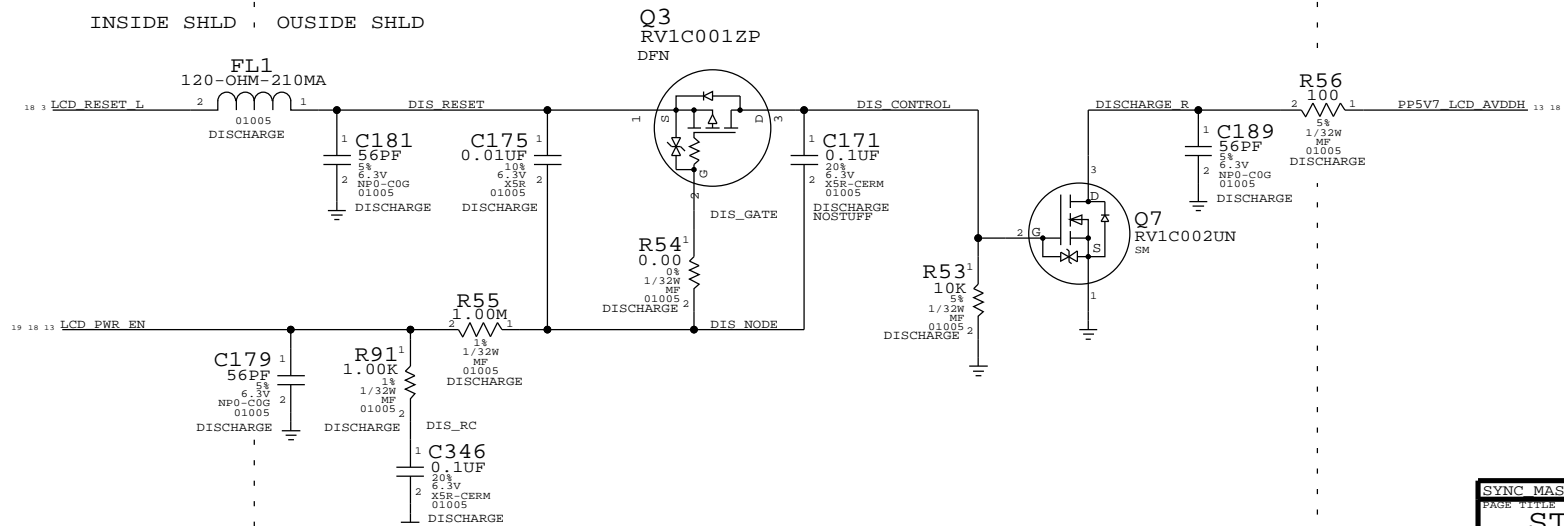
## NEGATIVE BOOST SUPPLY



## SAGE\_VBIAS DISCHARGE



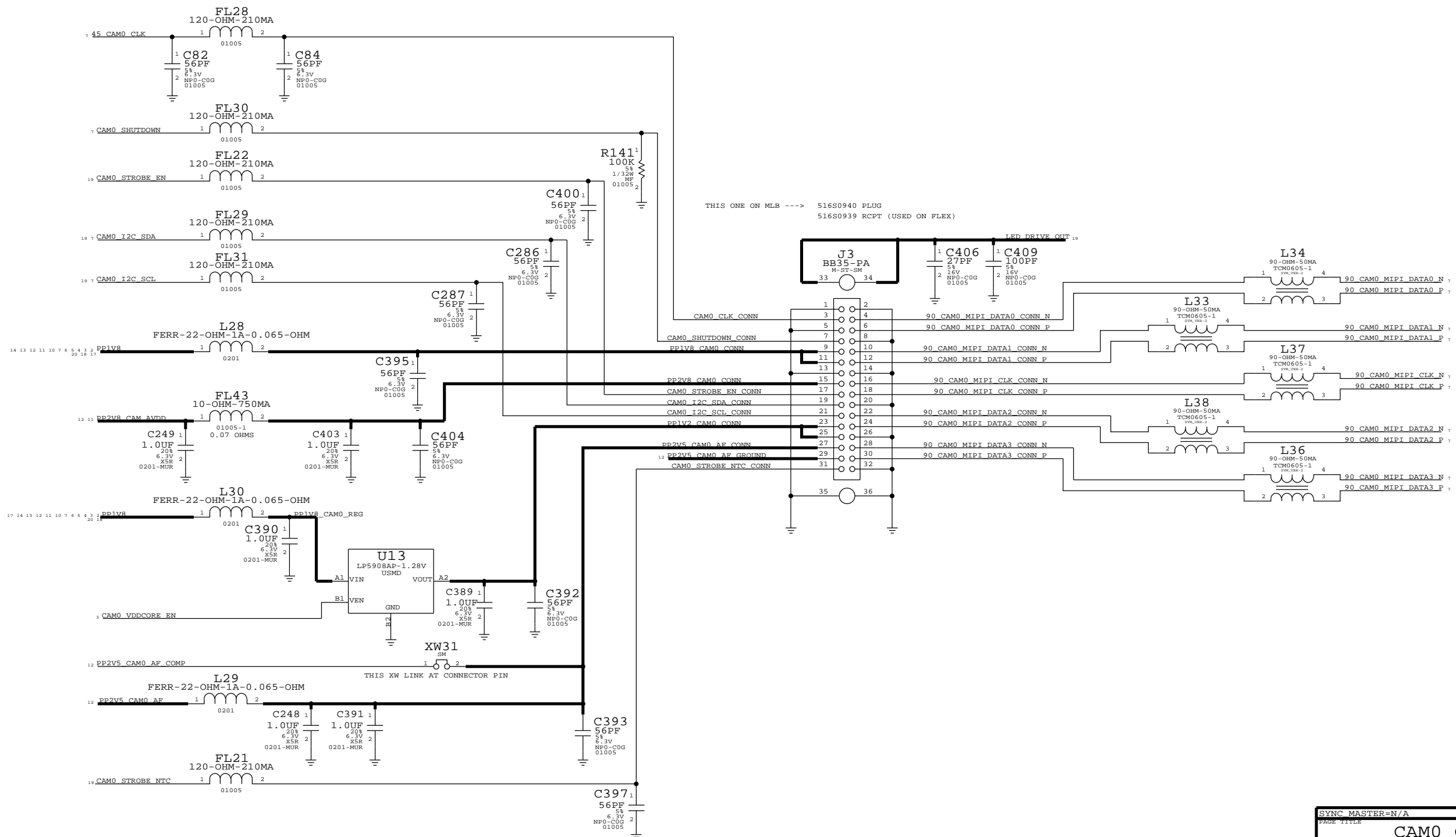
## THIS CIRCUIT IS BEHIND THE SIM TRAY



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STROBE & NEGATIVE RAIL		DRAWING NUMBER	
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## CAM0: MAIN CAMERA CONNECTOR

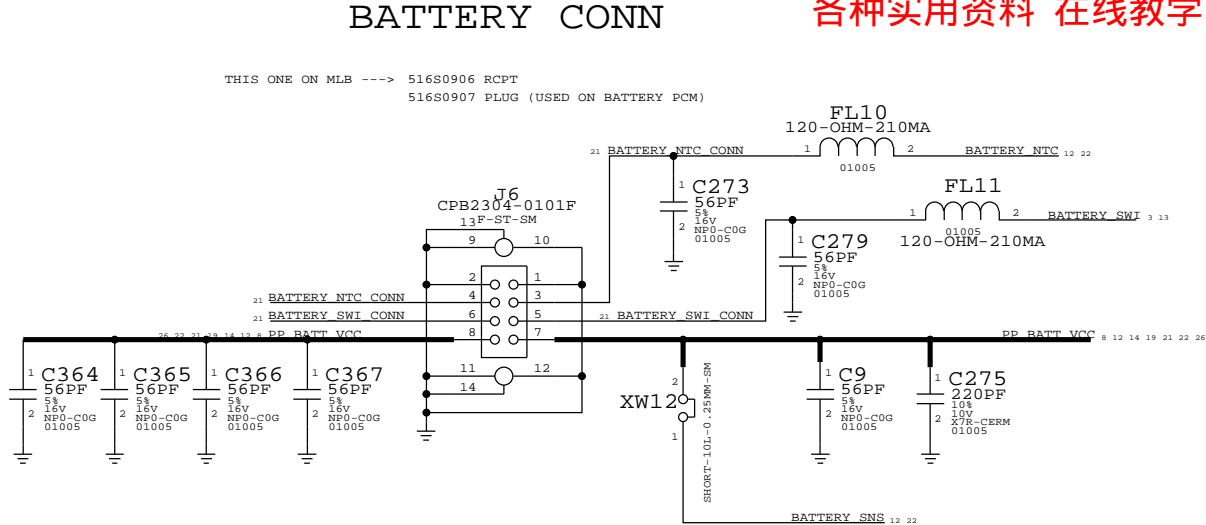


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CAM0 CONNECTOR			
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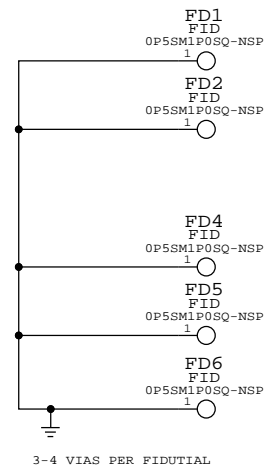
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AP/RADIO INTERFACE

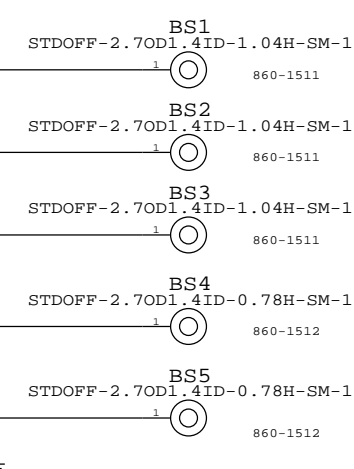


SUBDESIGN_SUFFIX=RF		I594	
26 22 21 19 14 12 8	PP_BATT_VCC	MAKE_BASE=TRUE	PP_BATT_VCC_CONN
26 9	RADIO_ON_L	MAKE_BASE=TRUE	RADIO_ON_L
26 13	BB_RESET_DET_L	MAKE_BASE=TRUE	RESET_DET_L
26 13	BB_RST_PMU_L	MAKE_BASE=TRUE	RESET_PMU_L
26 13	BB_RST_L	MAKE_BASE=TRUE	BB_RST_L
26 13	BB_WAKE_AP	MAKE_BASE=TRUE	HOST_WAKE_BB
26 13	RESET_IV8_L	MAKE_BASE=TRUE	RF_RESET_L
USED TO HOLD AP IN RESET DEBUG ONLY			
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
30 3	UART1_RTS_L	MAKE_BASE=TRUE	BB_UART_CTS_L
30 3	UART1_CTS_L	MAKE_BASE=TRUE	BB_UART_RTS_L
30 15	UART1_TXD	MAKE_BASE=TRUE	BB_UART_RXD
30 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_MS
26 13	ADC_SMPS1_MSMC_IV05	MAKE_BASE=TRUE	ADC_SMPS1_MSMC_IV05
26 13	ADC_SMPS3_MSME_IV8	MAKE_BASE=TRUE	ADC_SMPS3_MSME_IV8
26 13	ADC_LDO6_RUIM_IV8	MAKE_BASE=TRUE	ADC_LDO6_RUIM_IV8
26 13	ADC_LVS1	MAKE_BASE=TRUE	ADC_LVS1
42 15 13 12 9 4 3	PP1V8_SDRAM	MAKE_BASE=TRUE	PP_WL_BT_VDDIO_AP
42 13	WIFI_REG_ON	MAKE_BASE=TRUE	WLAN_REG_ON
42 13	BT_REG_ON	MAKE_BASE=TRUE	BT_REG_ON
42 13	UART4_TXD	MAKE_BASE=TRUE	WLAN_UART_RXD
42 13	UART4_RXD	MAKE_BASE=TRUE	WLAN_UART_TXD
42 13	HOST_WAKE_WLAN	MAKE_BASE=TRUE	HOST_WAKE_WLAN
42 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
42 3	UART3_TXD	MAKE_BASE=TRUE	BT_UART_RXD
42 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 3	50_HSIC1_DATA	MAKE_BASE=TRUE	50_HSIC_BB_DATA
26 3	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 3	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

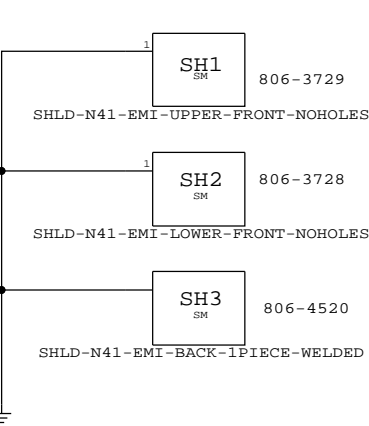
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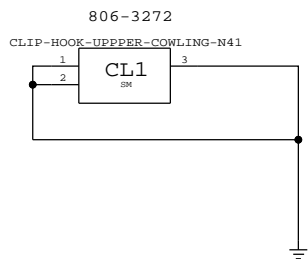
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


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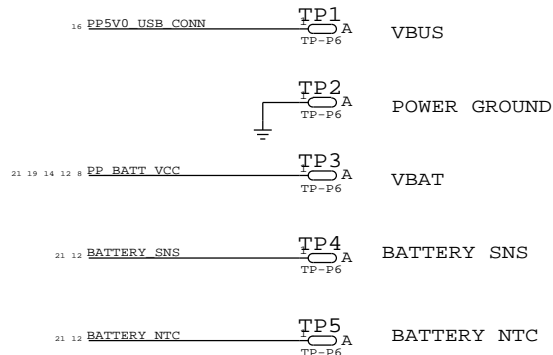
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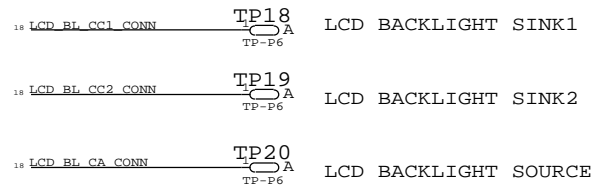
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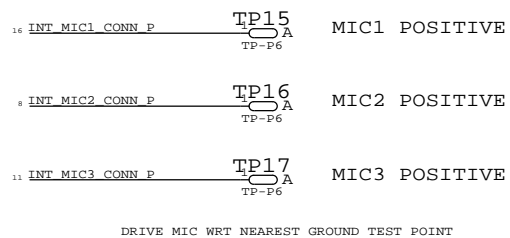
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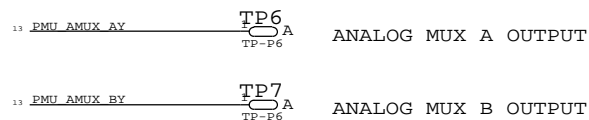
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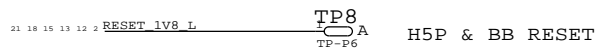
## MIC AUDIO



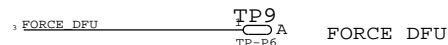
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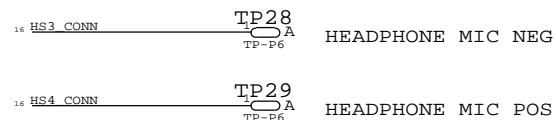
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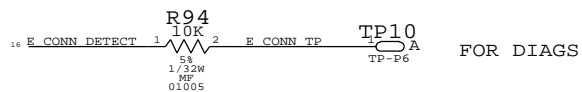
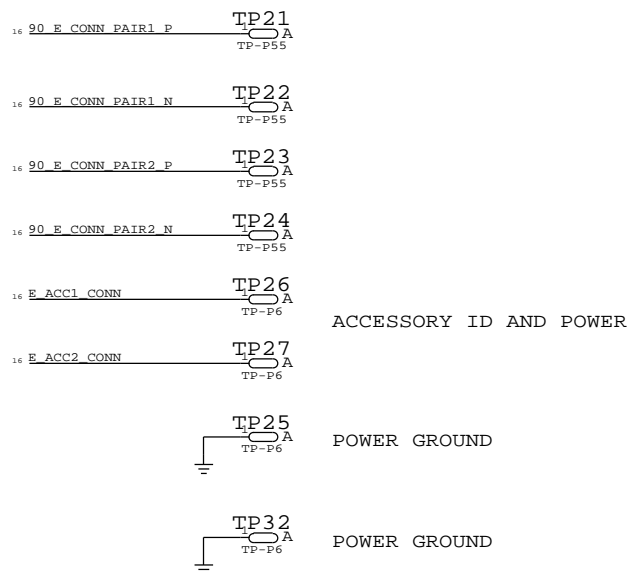
## DFU




HEADPHONE MIC



## E75 - USB/UART/ID/POWER



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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
152S1564	1	2.4NH, INDUCTOR - MURATA	L1205_RF	Y	B4_17
152S1564	1	2.4NH, INDUCTOR - MURATA	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
339S0175	1	WIFI MODULE - USI	U1801_RF	Y	B4_17
339S0175	1	WIFI MODULE - USI	U1801_RF	Y	B3_13

SINGING CAP BOM OPTIONS  
NEED TO COPY FROM AP TABLE  
WHEN STAN FINISHES

## B5/B5E BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
117S0002	1	0 OHM RESISTOR - 0201	C1023_RF	Y	B4_17
152S1343	1	12NH INDUCTOR - 0201	C1012_RF	Y	B4_17
131S0428	1	10PF CAPACITOR - 0201	L1004_RF	Y	B4_17
131S0457	1	100PF CAPACITOR - 0201	C1023_RF	Y	B3_13
131S0425	1	0.5PF CAPACITOR - 0201	C1012_RF	Y	B3_13
152S1336	1	8.2NH INDUCTOR - 0201	L1004_RF	Y	B3_13

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 LFF	FL1302_RF	Y	B3_13
152S1656	1	3.0NH INDUCTOR	R1301_RF	Y	B3_13
152S1742	1	1.6NH INDUCTOR	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
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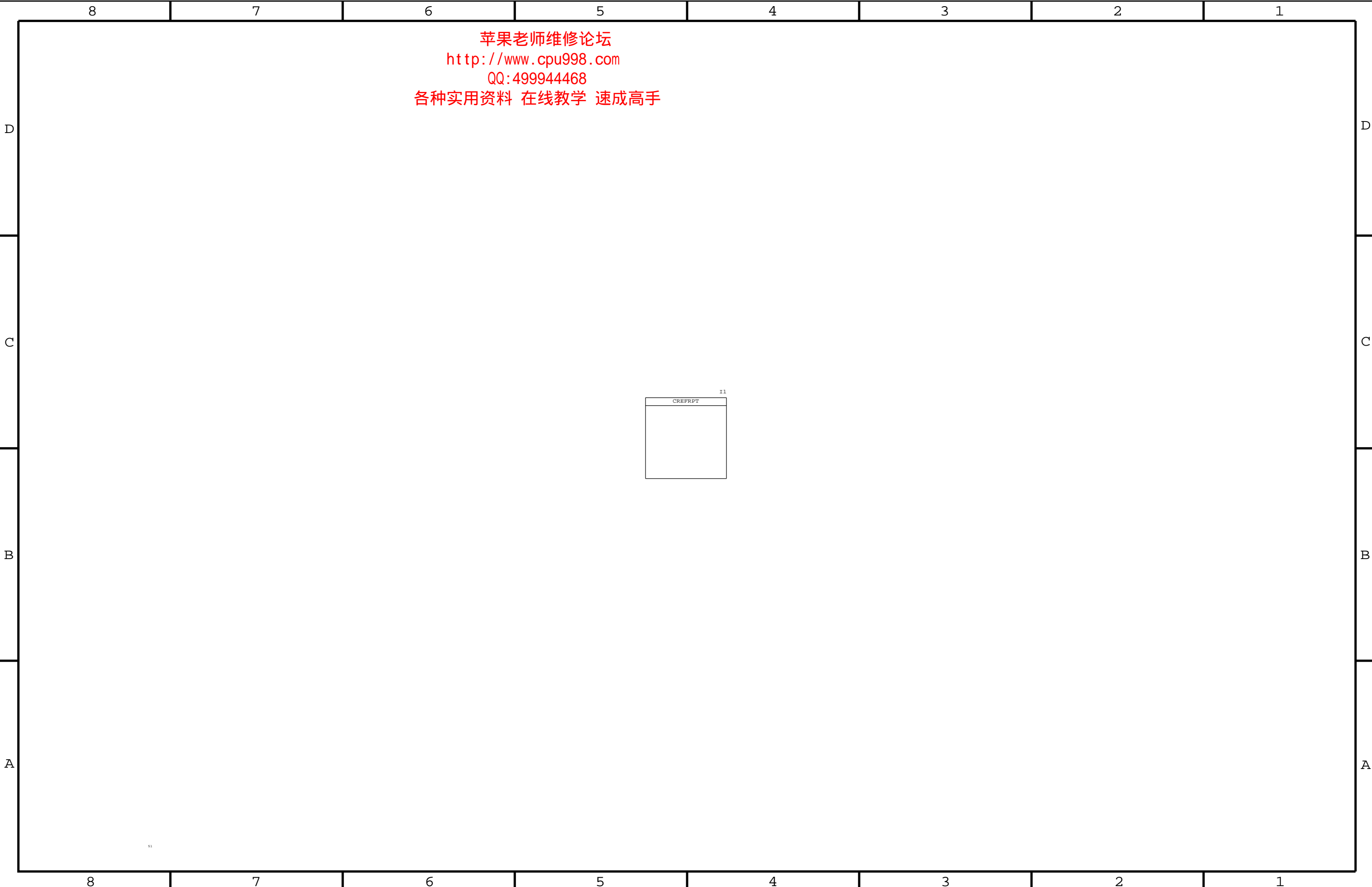
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PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
131S0215	1	22PF CAPACITOR ~ 01005	L1417_RF	Y	B4_17
152S1569	1	3.9NH INDUCTOR ~ 01005	L1417_RF	Y	B3_13
131S0369	1	0.5PF CAPACITOR ~ 01005	L1408_RF	Y	B3_13
152S1284	1	3.3NH INDUCTOR ~ 0201	C1425_RF	Y	B4_17
152S1221	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
152S1221	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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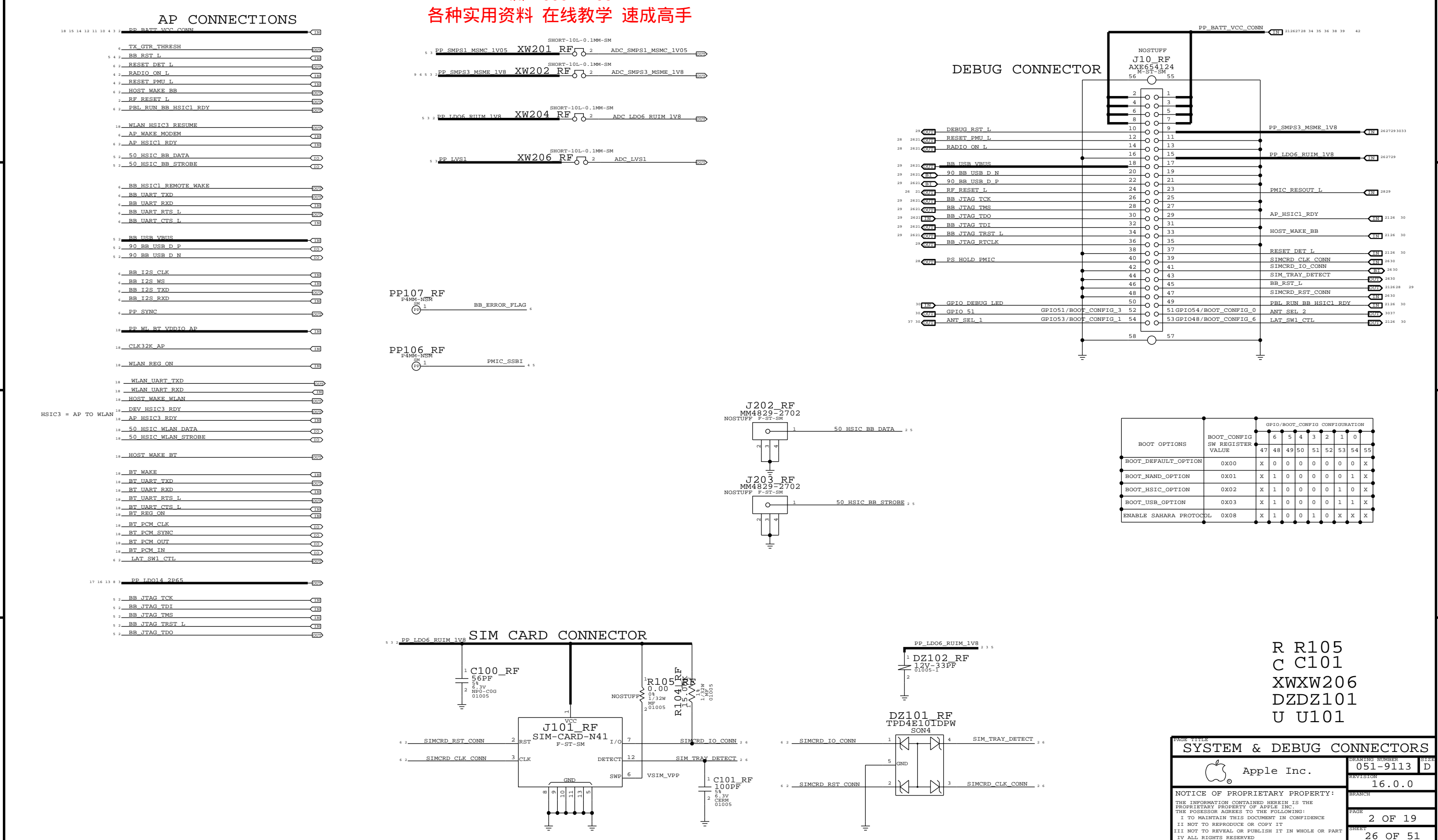


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# AP INTERFACE & DEBUG CONNECTOR


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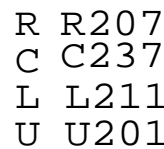
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C C101  
XWXW206  
DZDZ101  
U U101

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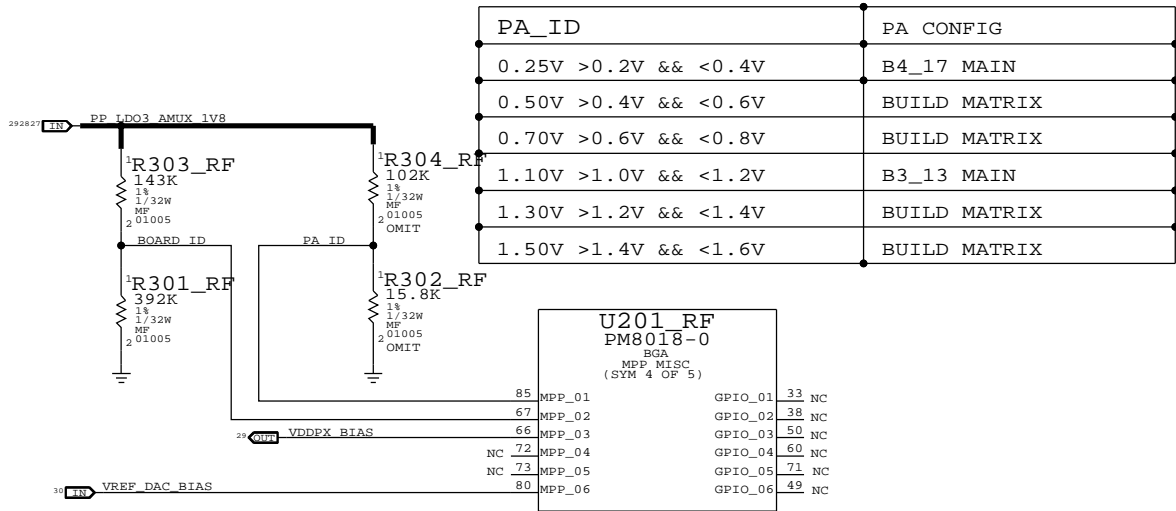
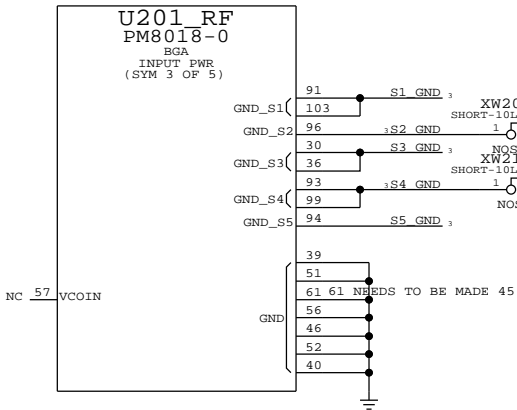
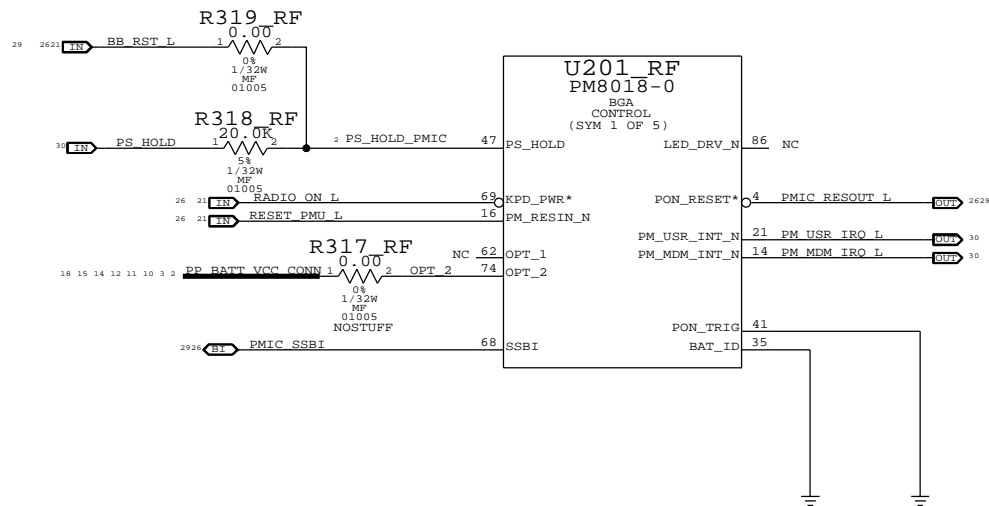


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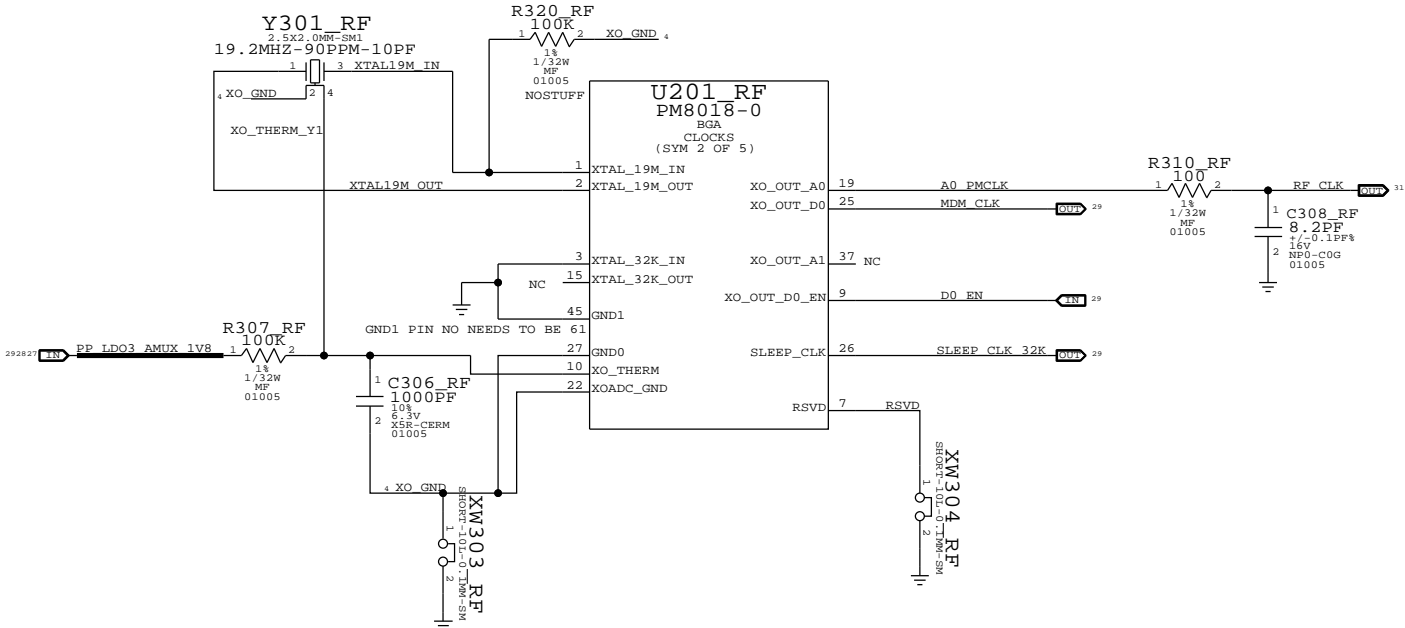
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BOARD_ID	REVISION
0.25V : >0.2V && <0.4V	PROTO1
0.50V : >0.4V && <0.6V	PROTO2
0.70V : >0.6V && <0.8V	PROTO3
0.90V : >0.8V && <1.0V	EVT1
1.10V : >1.0V && <1.2V	EVT2
1.30V : >1.2V && <1.4V	EVT3/PVT



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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# BASEBAND (1 OF 2)

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U501\_RF  
MDM9615M  
BGA  
(6 OF 6)  
GND

U501\_RF  
MDM9615M  
BGA  
(2 OF 6)  
EBI1\_EBI2

R608\_RF

NC	D21	EBI2_NAND_CS*	EBI2_AD_0	J20	NC
NC	E19	EBI2_OE*	EBI2_AD_1	J19	NC
NC	D20	EBI2_WE*	EBI2_AD_2	G19	NC
NC	D19	EBI2_BUSY*	EBI2_AD_3	H20	NC
			EBI2_AD_4	J21	NC
			EBI2_AD_5	H19	NC
NC	C20	EBI2_CLE*	EBI2_AD_6	H21	NC
NC	E20	EBI2_ALE*	EBI2_AD_7	E21	NC

R504: TO BE DELETED AT EVT1

NOSTUFF  
R504\_RF  
0.00  
08 1/32W  
MF 01005

U501\_RF  
MDM9615M  
BGA  
(1 OF 6)  
DIGITAL

R502\_RF

R R502  
C C528  
L LXXX  
U U501

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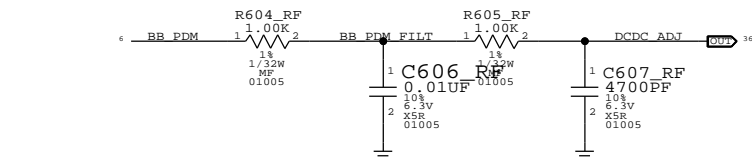
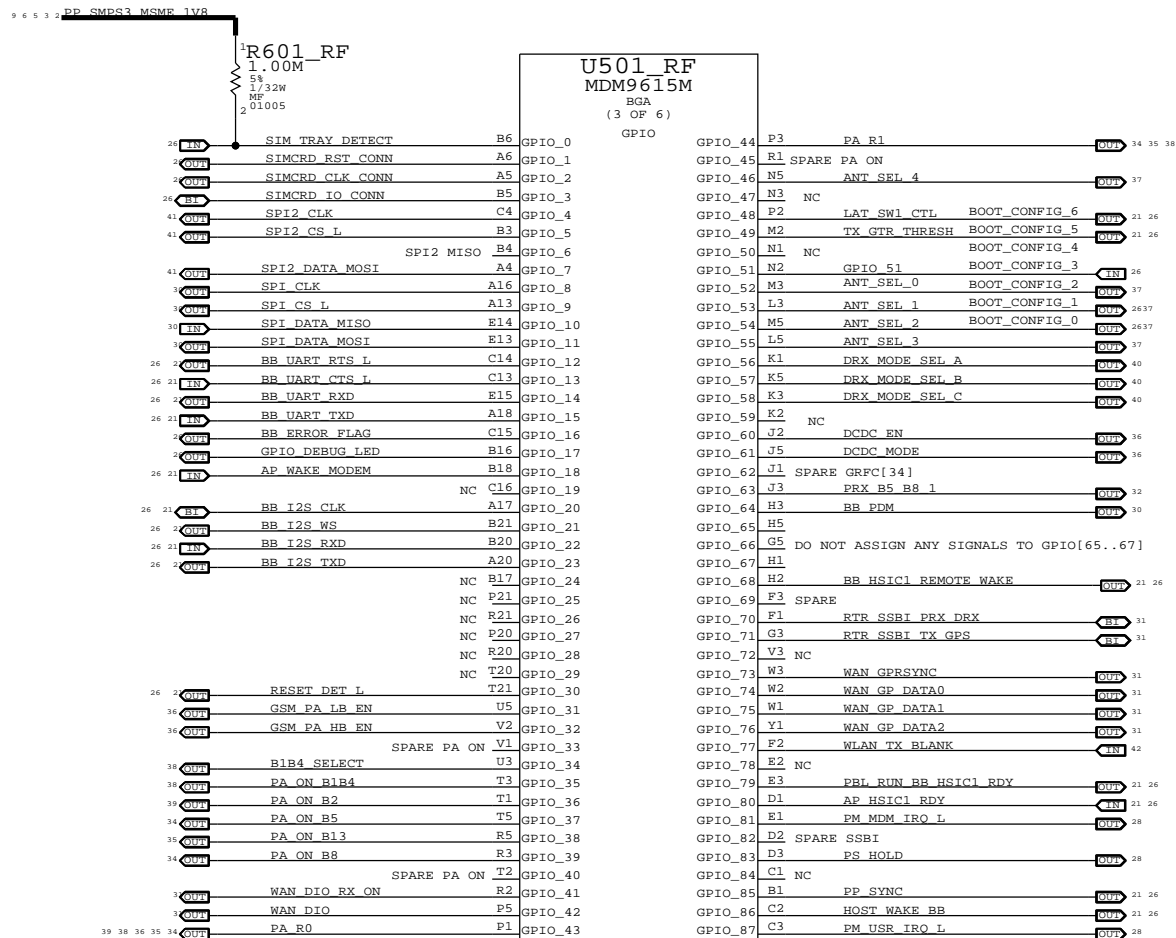
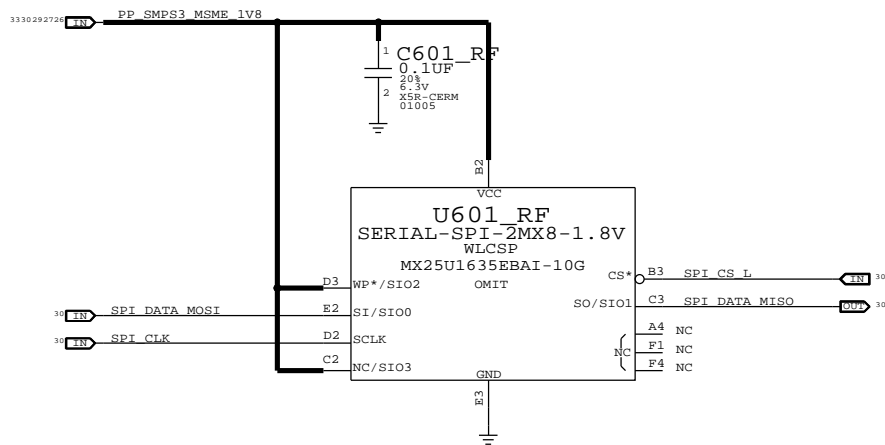
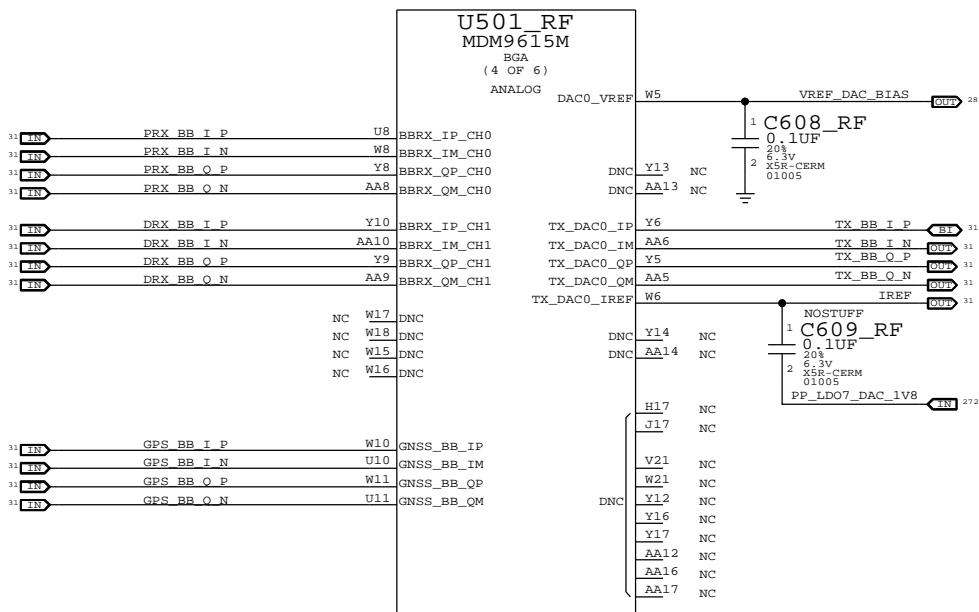
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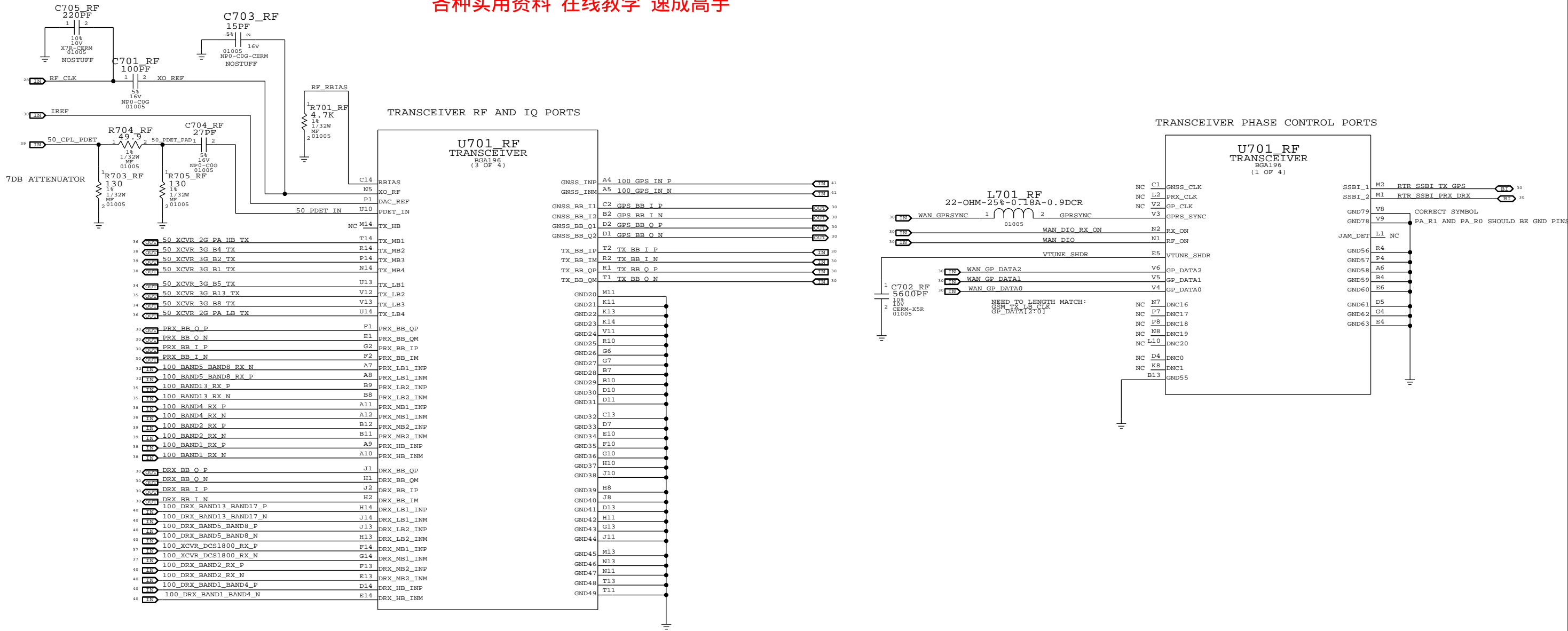
R R608  
C C609  
L L601

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MOBILE DATA MODEM ( 2 OF 2 )		
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# RF TRANSCEIVER (1 OF 3)

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R R705  
C C705  
L L701  
U U701

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# RF TRANSCEIVER SWITCHING NETWORKS ( 2 OF 3 )

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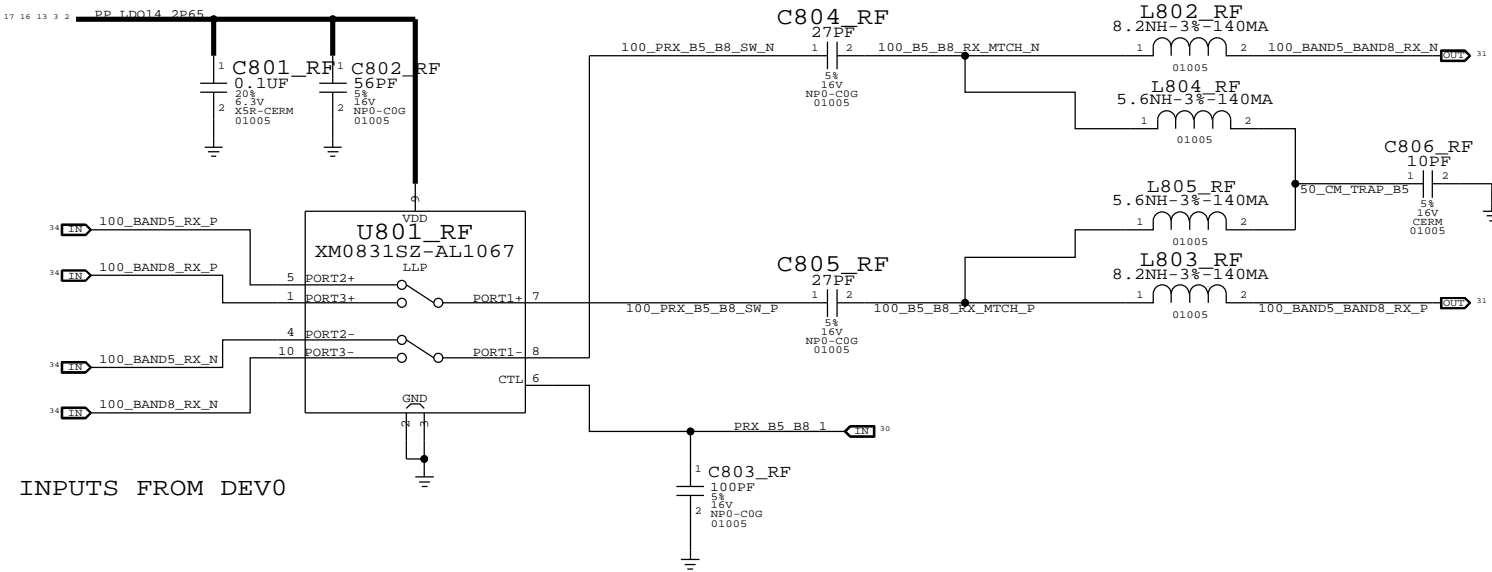
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## BAND 5/BAND 8 PRX TRANSCEIVER SWITCH


### 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 DEV0



R RXXX  
C C806  
L L803  
U U801

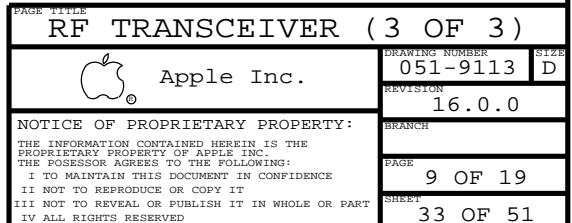
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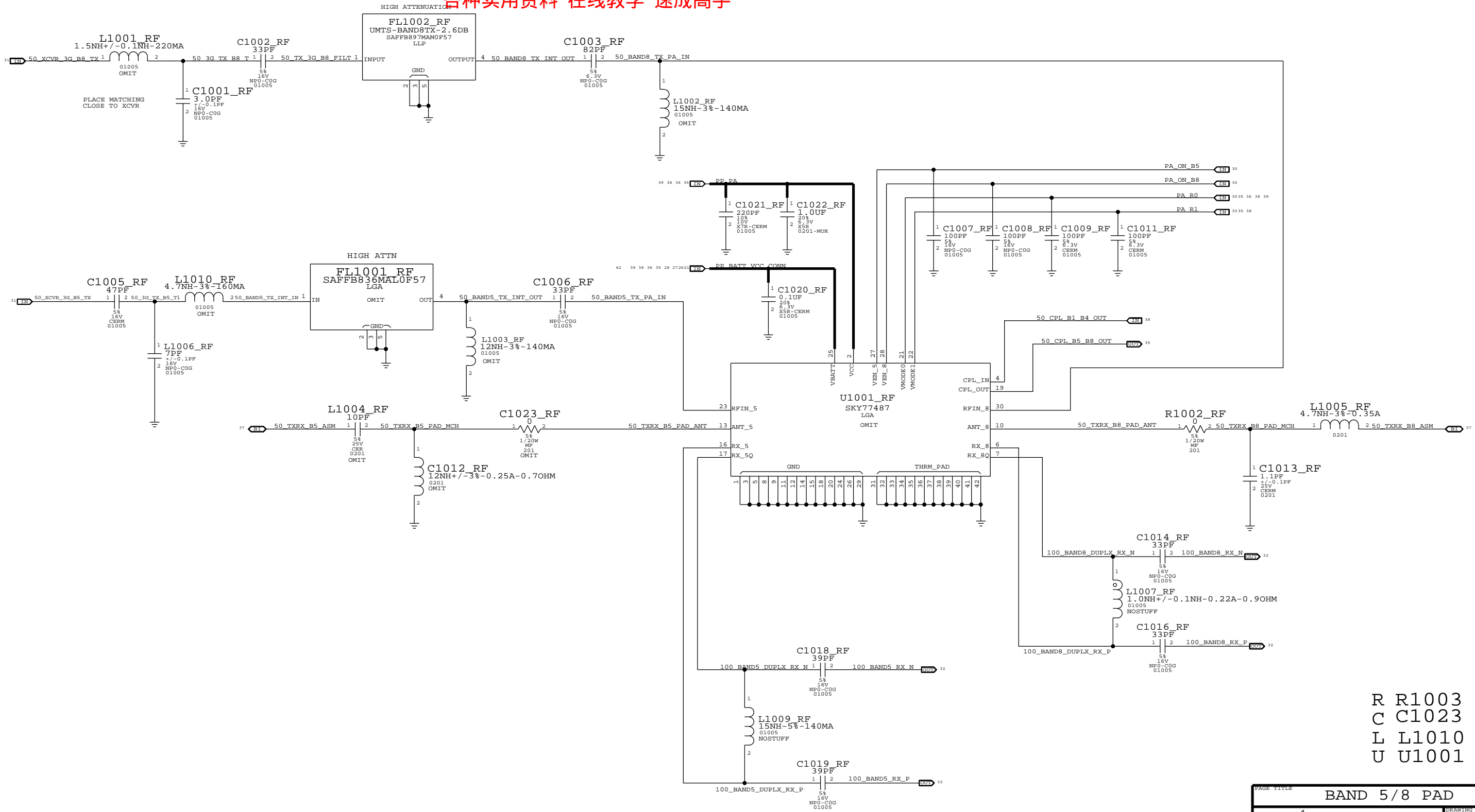
BAND 5 / 8 PAD

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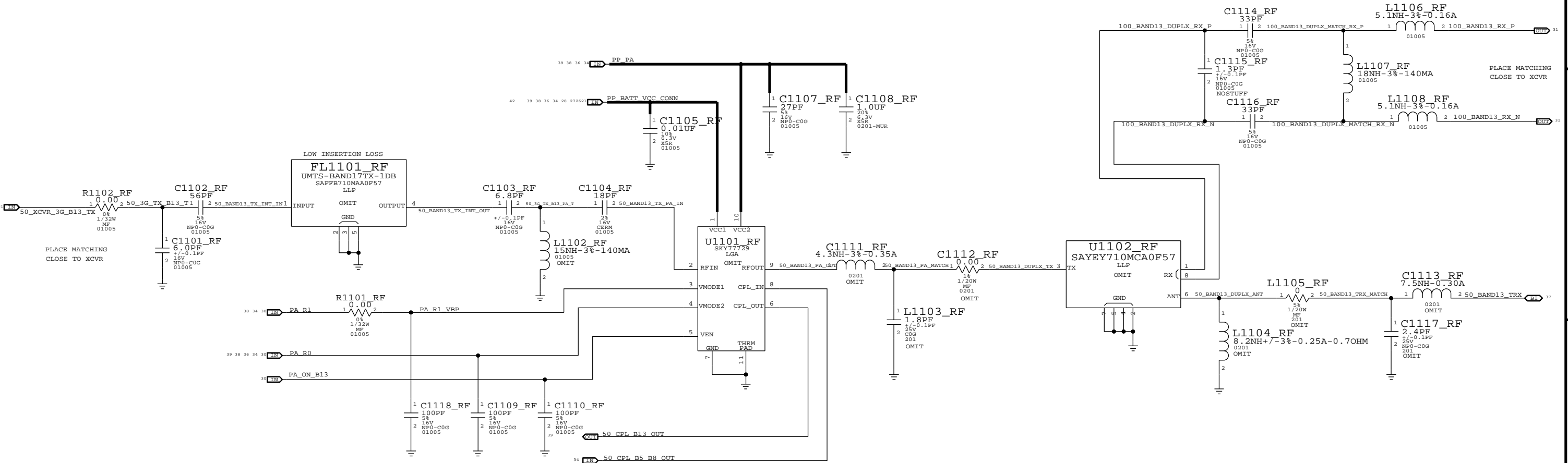
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R R1003
C C1023
L L1010
U U1001
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B13/17 INTERSTAGE, PA, AND DUPLER

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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

Apple Inc.

051-9113

16.0.0

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# 2G PA, PA DC/DC CONVERTER

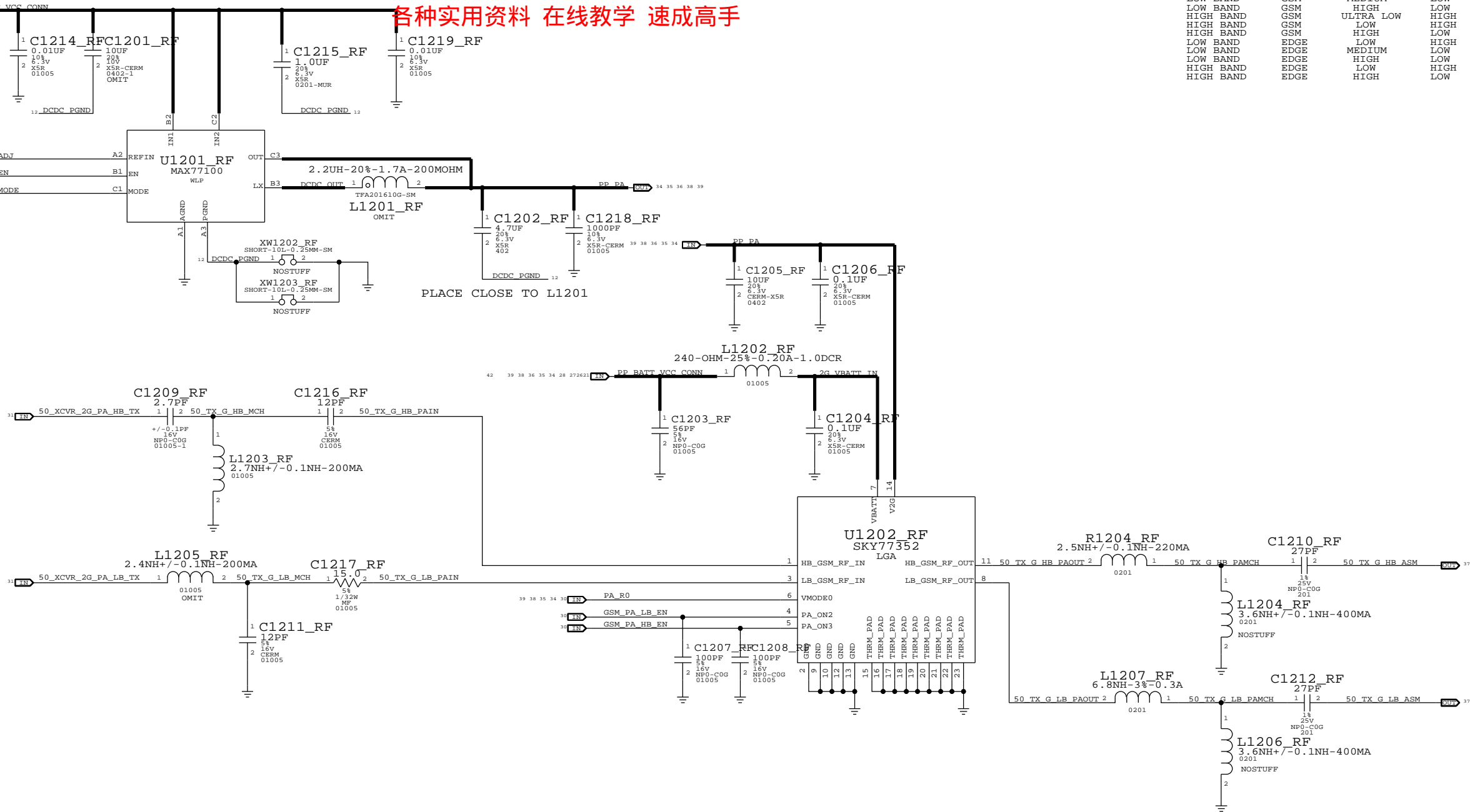
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## 2G PA GAIN MODES

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

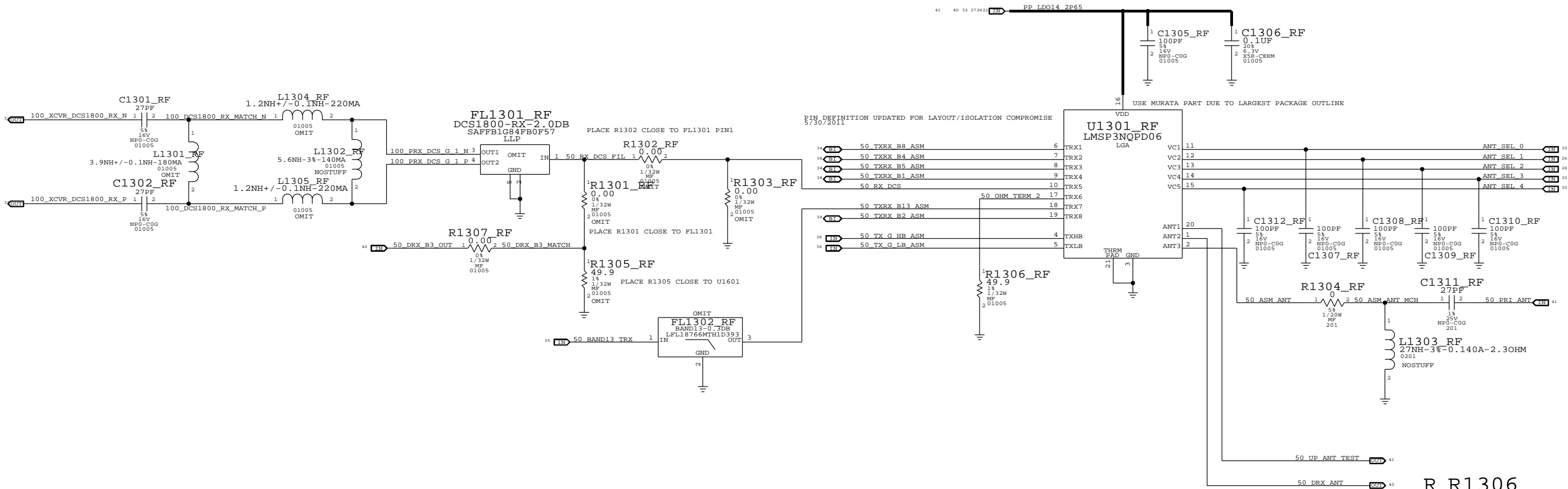


R R1209  
C C1220  
L L1207  
U U1202


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ASM, DCS RX

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R R1306  
C C1312  
L 1305  
U U1301  
FL FL1302

PAGE TITLE		
DCS RX, ASM		
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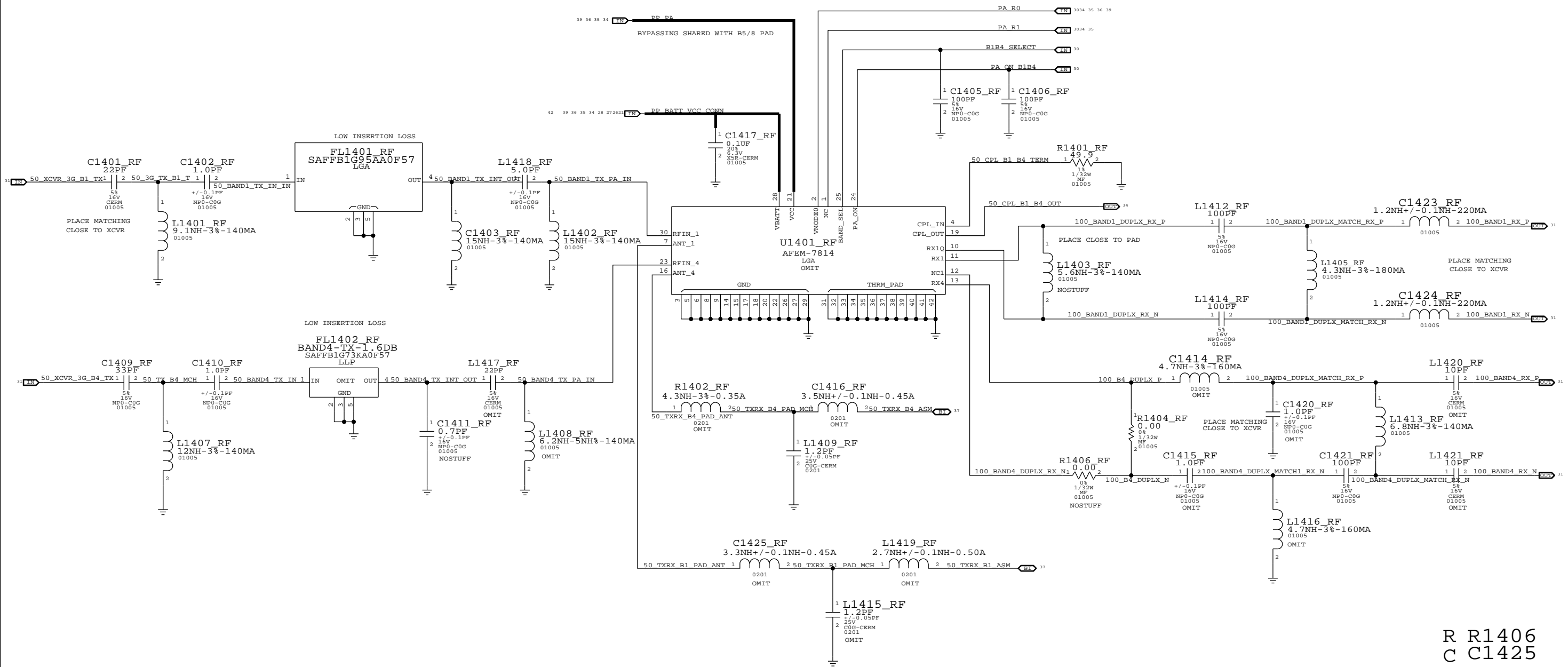
BAND 1 / 4 PAD

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R R1406
C C1425
L L1422
U U1401
FL FL1101
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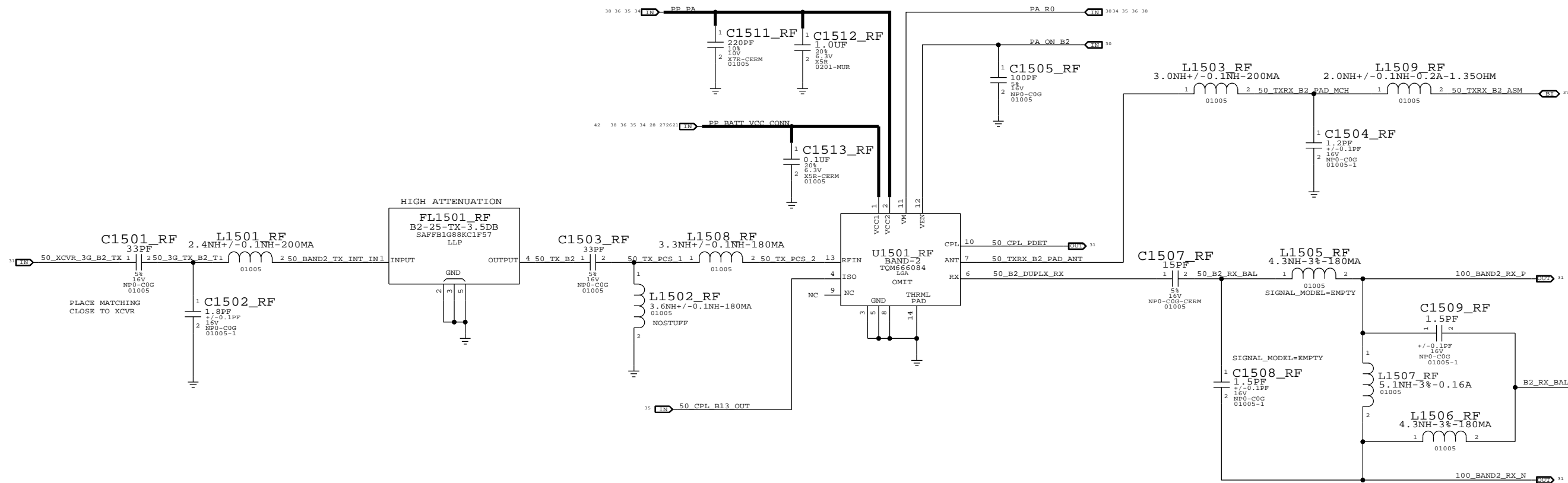
BAND2    PAD

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```
R R1501
C C1513
L L1509
U U1501
FL FL1501
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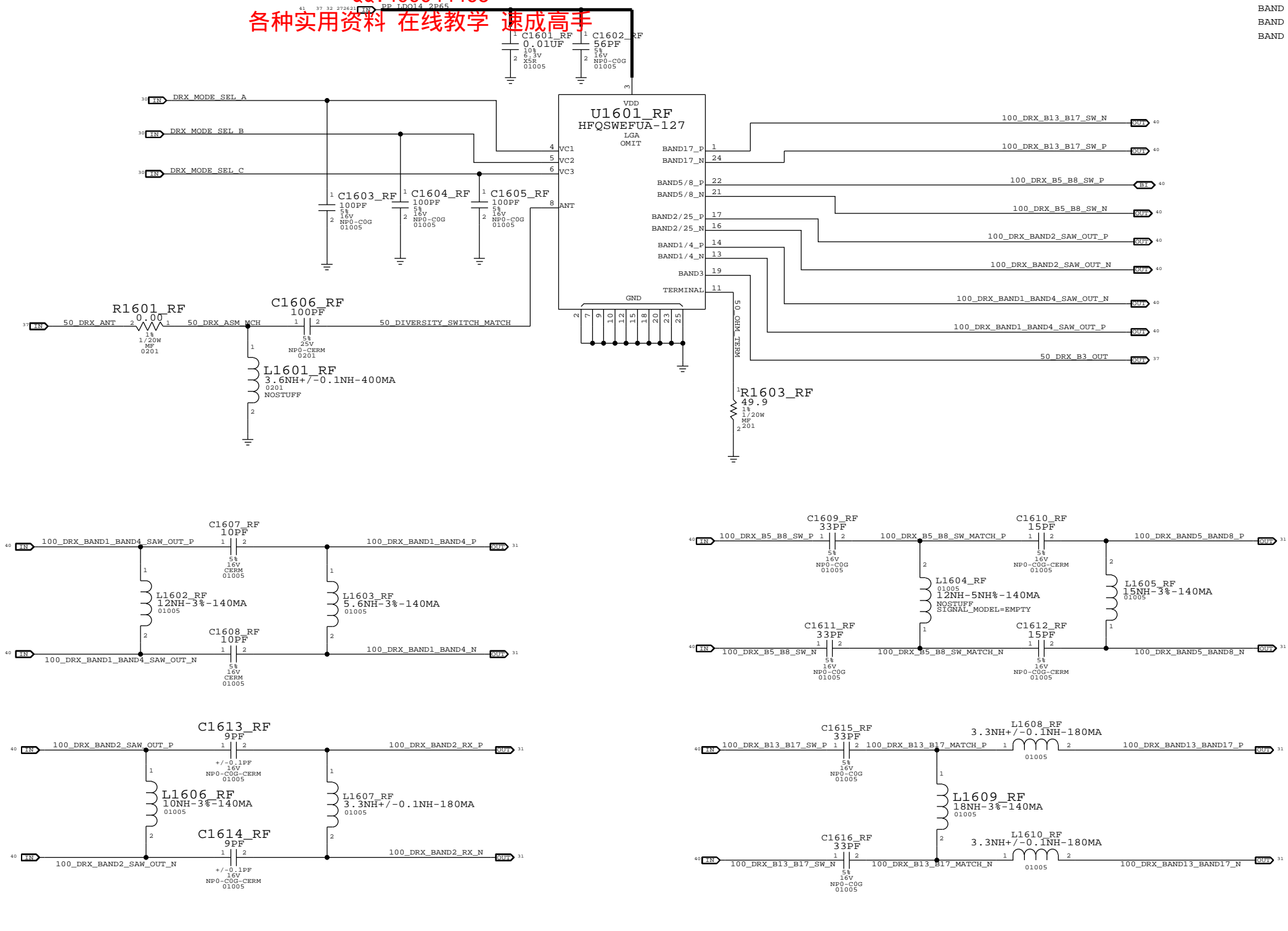
# RX DIVERSITY


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## DIVERSITY MODULE LOGIC

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



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# GPS

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## UPPER\_ANT\_CELL

## UPPER\_ANT\_GPS

## LOWER\_ANT

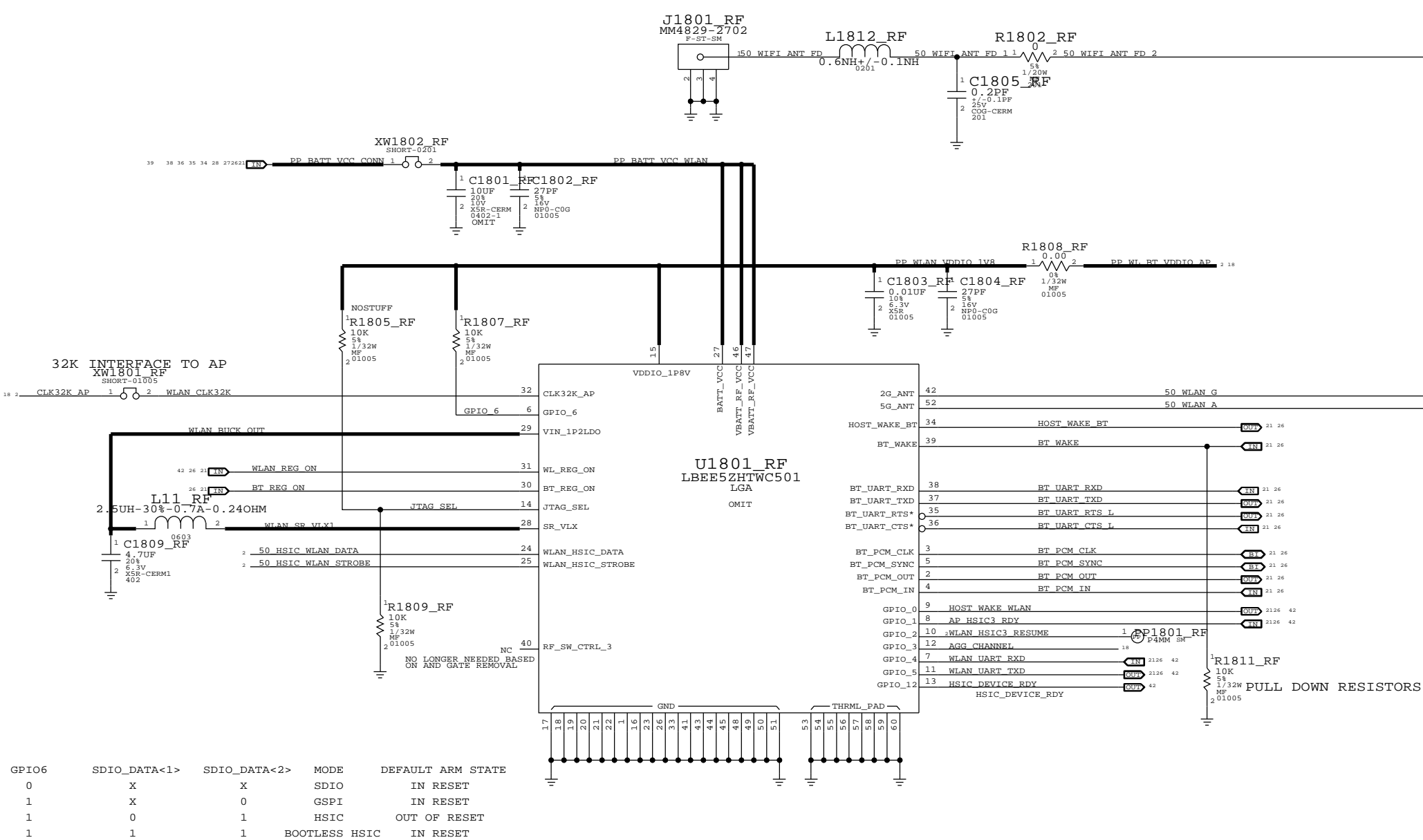
R R1704  
C C1729  
L L1733  
U U1703

GPS		
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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
152S1564	1	2.4NH, INDUCTOR - MURATA	L1205_RF	Y	B4_17
152S1564	1	2.4NH, INDUCTOR - MURATA	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
339S0175	1	WIFI MODULE - USI	U1801_RF	Y	B4_17
339S0175	1	WIFI MODULE - USI	U1801_RF	Y	B3_13

SINGING CAP BOM OPTIONS  
NEED TO COPY FROM AP TABLE  
WHEN STAN FINISHES

## B5/B5E BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
117S0002	1	0 OHM RESISTOR - 0201	C1023_RF	Y	B4_17
152S1343	1	12NH INDUCTOR - 0201	C1012_RF	Y	B4_17
131S0428	1	10PF CAPACITOR - 0201	L1004_RF	Y	B4_17
131S0457	1	100PF CAPACITOR - 0201	C1023_RF	Y	B3_13
131S0425	1	0.5PF CAPACITOR - 0201	C1012_RF	Y	B3_13
152S1336	1	8.2NH INDUCTOR - 0201	L1004_RF	Y	B3_13

## 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
152S1742	1	1.6NH INDUCTOR	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
152S1221	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
152S1221	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	16.0.0
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8	7	6	5	4	3	2	1
<div><div><div><div><div><div>Title: Basenet Report</div><div>Design: single_brd</div><div>Date: Jul 2 13:25:05 2012</div></div></div><div><div>Base nets and synonyms for single_brd.lib.SINGLE_BRD(@single_brd.lib.single_brd(sch.1))</div><div>Base Signal      Synonyms      Location([Zone][dir])</div></div><div><div>45_CAM0_CLK - 45_CAM0_CLK - 7C1 20D7</div><div>45_CAM0_CLK_R - @single_brd.lib.SINGLE_BRD - 7C3</div><div>45_CAM1_CLK - 45_CAM1_CLK - 7C1 11D8</div><div>45_CAM1_CLK_R - @single_brd.lib.SINGLE_BRD - 7C3</div><div>45_DWI_AP_CLK - 45_DWI_AP_CLK - 3D3 13A2 13B7</div><div>45_DWI_AP_DO - @single_brd.lib.SINGLE_BRD - 3D3 13A2 13B7</div><div>45_FMI0_DQS - 45_FMI0_DQS - 6B6 6B8 6C2</div><div>45_FMI0_RE_L - @single_brd.lib.SINGLE_BRD - 6B6 6B8 6C2</div><div>45_FMI1_DQS - 45_FMI1_DQS - 6B3 6B5</div><div>45_FMI1_RE_L - @single_brd.lib.SINGLE_BRD - 6B3 6B5</div><div>45_I2S0_BCLK - 45_I2S0_BCLK - 3D4 9C2</div><div>45_I2S0_MCK_R - @single_brd.lib.SINGLE_BRD - 3D5</div><div>45_I2S0_MCLK - @single_brd.lib.SINGLE_BRD - 3D5 9C2</div><div>45_I2S1_BCLK - @single_brd.lib.SINGLE_BRD - 3D4 21C4</div><div>45_I2S2_BCLK - @single_brd.lib.SINGLE_BRD - 3D4 9C2 14C5</div><div>45_I2S2_MCK_R - @single_brd.lib.SINGLE_BRD - 3D5</div><div>45_I2S2_MCLK - @single_brd.lib.SINGLE_BRD - 3D5 14C5</div><div>45_I2S3_BCLK - @single_brd.lib.SINGLE_BRD - 3C4 21B4</div><div>45_I2S4_BCLK - @single_brd.lib.SINGLE_BRD - 3C4 9C2</div><div>45_PROX_RX - @single_brd.lib.SINGLE_BRD - 11C8 17C8</div><div>45_PROX_RX_CONN - @single_brd.lib.SINGLE_BRD - 11C5</div><div>45_XTAL_24M_I - @single_brd.lib.SINGLE_BRD - 2C4</div><div>45_XTAL_24M_O - @single_brd.lib.SINGLE_BRD - 2B4</div><div>50_HSIC1_DATA - @single_brd.lib.SINGLE_BRD - 2C6 21B4</div><div>50_HSIC1_DATA - @single_brd.lib.SINGLE_BRD - 26B3 26D8 29B3</div><div>50_HSIC1_STB - 50_HSIC1_STB - 2C6 21B4</div><div>50_HSIC1_STB - @single_brd.lib.SINGLE_BRD - 26B3 26C8 29B3</div><div>50_HSIC3_DATA - 50_HSIC3_DATA - 2B6 21B4</div><div>50_HSIC3_DATA - @single_brd.lib.SINGLE_BRD - 26B8 42B7</div><div>50_HSIC3_STB - 50_HSIC3_STB - 2B6 21B4</div><div>50_HSIC3_STB - @single_brd.lib.SINGLE_BRD - 26B8 42B7</div><div>90_BB_USB_N - 90_BB_USB_N - 15B5 21C4</div><div>90_BB_USB_N - @single_brd.lib.SINGLE_BRD - 26C3 26C8 29A5</div><div>90_BB_USB_P - 90_BB_USB_P - 15C5 21C4</div><div>90_BB_USB_P - @single_brd.lib.SINGLE_BRD - 26C3 26C8 29A5</div><div>90_CAM0_MIPI_CLK_CON - 90_CAM0_MIPI_CLK_CONN_N - 20C4</div><div>90_CAM0_MIPI_CLK_CON - @single_brd.lib.SINGLE_BRD - 20B4</div><div>90_CAM0_MIPI_CLK_N - 90_CAM0_MIPI_CLK_N - 7C5 20C1</div><div>90_CAM0_MIPI_CLK_P - @single_brd.lib.SINGLE_BRD - 7C5 20C1</div><div>90_CAM0_MIPI_DATA0_C - 90_CAM0_MIPI_DATA0_CONN_N - 20C4</div><div>90_CAM0_MIPI_DATA0_C - @single_brd.lib.SINGLE_BRD - 20C4</div><div>90_CAM0_MIPI_DATA0_N - 90_CAM0_MIPI_DATA0_N - 7D5 20C1</div><div>90_CAM0_MIPI_DATA0_P - @single_brd.lib.SINGLE_BRD - 7D5 20C1</div><div>90_CAM0_MIPI_DATA1_C - 90_CAM0_MIPI_DATA1_CONN_N - 20C4</div><div>90_CAM0_MIPI_DATA1_C - @single_brd.lib.SINGLE_BRD - 20C4</div><div>90_CAM0_MIPI_DATA1_N - 90_CAM0_MIPI_DATA1_N - 7D5 20C1</div><div>90_CAM0_MIPI_DATA1_P - @single_brd.lib.SINGLE_BRD - 7D5 20C1</div><div>90_CAM0_MIPI_DATA2_C - 90_CAM0_MIPI_DATA2_CONN_N - 20B4</div><div>90_CAM0_MIPI_DATA2_C - @single_brd.lib.SINGLE_BRD - 20B4</div><div>90_CAM0_MIPI_DATA2_N - 90_CAM0_MIPI_DATA2_N - 7C5 20B1</div><div>90_CAM0_MIPI_DATA2_P - @single_brd.lib.SINGLE_BRD - 7C5 20B1</div><div>90_CAM0_MIPI_DATA3_C - 90_CAM0_MIPI_DATA3_CONN_N - 20B4</div><div>90_CAM0_MIPI_DATA3_C - @single_brd.lib.SINGLE_BRD - 20B4</div></div></div><div><div><div>90_CAM0_MIPI_DATA3_C - 90_CAM0_MIPI_DATA3_CONN_N - 20B4</div><div>90_CAM0_MIPI_DATA3_N - 90_CAM0_MIPI_DATA3_N - 7C5 20B1</div><div>90_CAM0_MIPI_DATA3_P - 90_CAM0_MIPI_DATA3_P - 7C5 20B1</div><div>90_CAM1_MIPI_CLK_CON - 90_CAM1_MIPI_CLK_CONN_N - 11C4</div><div>90_CAM1_MIPI_CLK_CON - @single_brd.lib.SINGLE_BRD - 11C4</div><div>90_CAM1_MIPI_CLK_N - 90_CAM1_MIPI_CLK_N - 7C3 11D2</div><div>90_CAM1_MIPI_CLK_P - @single_brd.lib.SINGLE_BRD - 7C3 11D2</div><div>90_CAM1_MIPI_DATA0_C - 90_CAM1_MIPI_DATA0_CONN_N - 11C4</div><div>90_CAM1_MIPI_DATA0_C - @single_brd.lib.SINGLE_BRD - 11C4</div><div>90_CAM1_MIPI_DATA0_N - 90_CAM1_MIPI_DATA0_N - 7C3 11C2</div><div>90_CAM1_MIPI_DATA0_P - @single_brd.lib.SINGLE_BRD - 7C3 11C2</div><div>90_CODEC_MIKEY_N - 90_CODEC_MIKEY_N - 10C3</div><div>90_CODEC_MIKEY_P - 90_CODEC_MIKEY_P - 10C3</div><div>90_E_CONN_PAIR1_N - 90_E_CONN_PAIR1_N - 16C4 22C4</div><div>90_E_CONN_PAIR1_P - @single_brd.lib.SINGLE_BRD - 16C4 22C4</div><div>90_E_CONN_PAIR2_N - 90_E_CONN_PAIR2_N - 16C4 22C4</div><div>90_E_CONN_PAIR2_P - @single_brd.lib.SINGLE_BRD - 16C4 22C4</div><div>90_E_PAIR1_N - 90_E_PAIR1_N - 15B4 16B2</div><div>90_E_PAIR1_P - @single_brd.lib.SINGLE_BRD - 15B4 16B2</div><div>90_E_PAIR2_N - 90_E_PAIR2_N - 15B4 16B2</div><div>90_E_PAIR2_P - @single_brd.lib.SINGLE_BRD - 15B4 16B2</div><div>90_LCM_MIPI_CLK_CONN - 90_LCM_MIPI_CLK_CONN_N - 18C5</div><div>90_LCM_MIPI_CLK_CONN - @single_brd.lib.SINGLE_BRD - 18C5</div><div>90_LCM_MIPI_CLK_CONN_P - 90_LCM_MIPI_CLK_CONN_P - 7C5 18C7</div><div>90_LCM_MIPI_CLK_P - @single_brd.lib.SINGLE_BRD - 7C5 18C7</div><div>90_LCM_MIPI_DATA0_CO - 90_LCM_MIPI_DATA0_CONN_N - 18C5</div><div>90_LCM_MIPI_DATA0_CO - @single_brd.lib.SINGLE_BRD - 18C5</div><div>90_LCM_MIPI_DATA0_N - 90_LCM_MIPI_DATA0_N - 7C5 18C7</div><div>90_LCM_MIPI_DATA0_P - @single_brd.lib.SINGLE_BRD - 7C5 18C7</div><div>90_LCM_MIPI_DATA1_CO - 90_LCM_MIPI_DATA1_CONN_N - 18C5</div><div>90_LCM_MIPI_DATA1_CO - @single_brd.lib.SINGLE_BRD - 18C5</div><div>90_LCM_MIPI_DATA1_N - 90_LCM_MIPI_DATA1_N - 7C5 18C7</div><div>90_LCM_MIPI_DATA1_P - @single_brd.lib.SINGLE_BRD - 7C5 18C7</div><div>90_LCM_MIPI_DATA2_CO - 90_LCM_MIPI_DATA2_CONN_N - 18B5</div><div>90_LCM_MIPI_DATA2_CO - @single_brd.lib.SINGLE_BRD - 18B5</div><div>90_LCM_MIPI_DATA2_N - 90_LCM_MIPI_DATA2_N - 7C5 18B7</div><div>90_LCM_MIPI_DATA2_P - @single_brd.lib.SINGLE_BRD - 7C5 18B7</div><div>90_LCM_MIPI_DATA3_CO - 90_LCM_MIPI_DATA3_CONN_N - 18B5</div><div>90_LCM_MIPI_DATA3_CO - @single_brd.lib.SINGLE_BRD - 7C5 18B7</div><div>90_LCM_MIPI_DATA3_N - 90_LCM_MIPI_DATA3_N - 7C5 18B7</div><div>90_LCM_MIPI_DATA3_P - @single_brd.lib.SINGLE_BRD - 7C5 18B7</div><div>90_MIKEY_DIG_N - 90_MIKEY_DIG_N - 15C6</div><div>90_MIKEY_DIG_P - @single_brd.lib.SINGLE_BRD - 15C6</div><div>90_MIKEY_TRISTAR_N - 90_MIKEY_TRISTAR_N - 10C1 15C8</div><div>90_MIKEY_TRISTAR_P - @single_brd.lib.SINGLE_BRD - 10C1 15C8</div><div>90_USBHS_N - 90_USBHS_N - 2B3 15B5</div><div>90_USBHS_P - 90_USBHS_P - 2B3 15B5</div><div>90_USBHS_SOC_N - 90_USBHS_SOC_N - 2B4</div><div>90_USBHS_SOC_P - 90_USBHS_SOC_P - 2B4</div><div>ACCEL_INT1 - ACCEL_INT1 - 3B5 14A4</div><div>ACCEL_INT1_FL - @single_brd.lib.SINGLE_BRD - 14A5 14B8</div><div>ACCEL_INT2_FL - ACCEL_INT2_FL - 14A5 14B8</div><div>ACCEL_INT2_L - ACCEL_INT2_L - 3A7 14A4</div><div>ACT_DIO - ACT_DIO - 12C6</div><div>ADC_LDO6_RUIM_V18 - @single_brd.lib.SINGLE_BRD - 13B6 21C4</div><div>ADC_LV18 - 90_CAM0_MIPI_DATA3_CONN_N - 26D5</div><div>ADC_LV18 - @single_brd.lib.SINGLE_BRD - 26D5</div><div>ADC_SMP11_MSMC_IV05 - 90_CAM0_MIPI_DATA3_CONN_N - 13C6 21C4</div><div>ADC_SMP11_MSMC_IV05 - @single_brd.lib.SINGLE_BRD - 13C6 21C4</div><div>ADC_SMP13_MSMC_IV18 - 90_CAM0_MIPI_DATA3_CONN_N - 13C6 21C4</div><div>ADC_SMP13_MSMC_IV18 - @single_brd.lib.SINGLE_BRD - 13C6 21C4</div></div></div><div><div><div>90_CAM0_MIPI_DATA3_C - 90_CAM0_MIPI_DATA3_CONN_N - 20B4</div><div>90_CAM0_MIPI_DATA3_N - 90_CAM0_MIPI_DATA3_N - 7C5 20B1</div><div>90_CAM0_MIPI_DATA3_P - 90_CAM0_MIPI_DATA3_P - 7C5 20B1</div><div>90_CAM1_MIPI_CLK_CON - 90_CAM1_MIPI_CLK_CONN_N - 11C4</div><div>90_CAM1_MIPI_CLK_CON - @single_brd.lib.SINGLE_BRD - 11C4</div><div>90_CAM1_MIPI_CLK_N - 90_CAM1_MIPI_CLK_N - 7C3 11D2</div><div>90_CAM1_MIPI_CLK_P - @single_brd.lib.SINGLE_BRD - 7C3 11D2</div><div>90_CAM1_MIPI_DATA0_C - 90_CAM1_MIPI_DATA0_CONN_N - 11C4</div><div>90_CAM1_MIPI_DATA0_C - @single_brd.lib.SINGLE_BRD -</div></div></div></div></div>							



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	16C4	22B5	HS4_CONTROL_CONN	HS4_CONTROL_CONN - @single_brd_lib.SINGLE_BRD	16C5	INT_MIC3_N	@single_brd_lib.SINGLE_BRD	INT_MIC3_N - INT_MIC3_N	9B7	11B2	C						
	CUMULUS_IN<5>	CUMULUS_IN<5> - @single_brd_lib.SINGLE_BRD	17C2	17C7	E_CONN_DETECT	E_CONN_DETECT - @single_brd_lib.SINGLE_BRD	16C4	22B5	HS4_REF	HS4_REF - @single_brd_lib.SINGLE_BRD	10A4	16D8	INT_MIC3_P	@single_brd_lib.SINGLE_BRD	INT_MIC3_P - INT_MIC3_P	9B7		11B2					
	CUMULUS_IN<6>	CUMULUS_IN<6> - @single_brd_lib.SINGLE_BRD	17C7	17D2	E_CONN_TP	E_CONN_TP - @single_brd_lib.SINGLE_BRD	16C4	16D5	HS4_REF_CONN	HS4_REF_CONN - @single_brd_lib.SINGLE_BRD	16C4	16D5	INT_MIC3_RET	@single_brd_lib.SINGLE_BRD	INT_MIC3_RET - INT_MIC3_RET	11C4							
	CUMULUS_IN<7>	CUMULUS_IN<7> - @single_brd_lib.SINGLE_BRD	17C2	17C7	E_DETECT	E_DETECT - @single_brd_lib.SINGLE_BRD	13C4	15B4	I2C0_SCL_VI8	I2C0_SCL_VI8 - @single_brd_lib.SINGLE_BRD	3D2	13A4	13B6	14B1	14D6	15B4							
	CUMULUS_IN<8>	CUMULUS_IN<8> - @single_brd_lib.SINGLE_BRD	17C2	17C7	E_DET_PFMU_TRISTAR	E_DET_PFMU_TRISTAR - @single_brd_lib.SINGLE_BRD	13C4	15B4	I2C0_SDA_VI8	I2C0_SDA_VI8 - @single_brd_lib.SINGLE_BRD	3D2	13A4	13B6	14B1	14D6	15B4							
	CUMULUS_IN<9>	CUMULUS_IN<9> - @single_brd_lib.SINGLE_BRD	17C2	17C7	FLASH_ENABLE	FLASH_ENABLE - @single_brd_lib.SINGLE_BRD	3B2	12C7	I2C1_SCL_VI8	I2C1_SCL_VI8 - @single_brd_lib.SINGLE_BRD	3D2	14A4	IRLED_DRAIN	IRLED_DRAIN - @single_brd_lib.SINGLE_BRD	15B4	11C4							
	CUMULUS_IN<10>	CUMULUS_IN<10> - @single_brd_lib.SINGLE_BRD	17C7	17D2	FMIO_ALE	FMIO_ALE - @single_brd_lib.SINGLE_BRD	6B7	6C3	I2C1_SDA_VI8	I2C1_SDA_VI8 - @single_brd_lib.SINGLE_BRD	3D2	14A4	IRLED_K	IRLED_K - @single_brd_lib.SINGLE_BRD	11C4								
	CUMULUS_IN<11>	CUMULUS_IN<11> - @single_brd_lib.SINGLE_BRD	17C2	17C7	FMIO_CEN0	FMIO_CEN0 - @single_brd_lib.SINGLE_BRD	6C3	6C8	I2C2_SCL_VI8	I2C2_SCL_VI8 - @single_brd_lib.SINGLE_BRD	3D2	11B8	JTAG_SWCLK	JTAG_SWCLK - @single_brd_lib.SINGLE_BRD	2B6	15B5							
	CUMULUS_IN<12>	CUMULUS_IN<12> - @single_brd_lib.SINGLE_BRD	17C2	17C7	FMIO_CLE	FMIO_CLE - @single_brd_lib.SINGLE_BRD	6B7	6C3	I2C2_SDA_VI8	I2C2_SDA_VI8 - @single_brd_lib.SINGLE_BRD	3D2	11B8	JTAG_SWDIO	JTAG_SWDIO - @single_brd_lib.SINGLE_BRD	2B6	15B5							
	CUMULUS_IN<13>	CUMULUS_IN<13> - @single_brd_lib.SINGLE_BRD	17C2	17C7	FMIO_DQVREF	FMIO_DQVREF - @single_brd_lib.SINGLE_BRD	6B3	6B6	I2C_SCL_ALS	I2C_SCL_ALS - @single_brd_lib.SINGLE_BRD	11C5	L19C5	KEEPACT	KEEPACT - @single_brd_lib.SINGLE_BRD	3B7	13C2							
C	CUMULUS_IN<14>	CUMULUS_IN<14> - @single_brd_lib.SINGLE_BRD	17C2	17C7	FMIO_I0<0>	FMIO_I0<0> - @single_brd_lib.SINGLE_BRD	6B6	6C4	I2C_SCL_COMP	I2C_SCL_COMP - @single_brd_lib.SINGLE_BRD	14A5	14A7	14B6	L19_FILT	@single_brd_lib.SINGLE_BRD	14D4	B						
	CUMULUS_PROX_RX	CUMULUS_PROX_RX - @single_brd_lib.SINGLE_BRD	17C7		FMIO_I0<1>	FMIO_I0<1> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2C_SDA_ALS	I2C_SDA_ALS - @single_brd_lib.SINGLE_BRD	11C5	L19C5	L19_IREF	@single_brd_lib.SINGLE_BRD	14C4								
	CUMULUS_VDDANA	CUMULUS_VDDANA - @single_brd_lib.SINGLE_BRD	17D7		FMIO_I0<2>	FMIO_I0<2> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2C_SDA_COMP	I2C_SDA_COMP - @single_brd_lib.SINGLE_BRD	14A5	14A7	14B6	L19_LDO_FILT	@single_brd_lib.SINGLE_BRD	14D4							
	CUMULUS_VDDCORE	CUMULUS_VDDCORE - @single_brd_lib.SINGLE_BRD	17D7		FMIO_I0<3>	FMIO_I0<3> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2S0_DIN	I2S0_DIN - @single_brd_lib.SINGLE_BRD	3D4	9C2	L19_SES_N	@single_brd_lib.SINGLE_BRD	14D4								
	CUMULUS_VSTM_OUT<0>	CUMULUS_VSTM_OUT<0> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FMIO_I0<4>	FMIO_I0<4> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2S0_DOUT	I2S0_DOUT - @single_brd_lib.SINGLE_BRD	3D4	9C2	L19_SES_P	@single_brd_lib.SINGLE_BRD	14D4								
	CUMULUS_VSTM_OUT<1>	CUMULUS_VSTM_OUT<1> - @single_brd_lib.SINGLE_BRD	17B3	17C5	FMIO_I0<5>	FMIO_I0<5> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2S0_LRCLK	I2S0_LRCLK - @single_brd_lib.SINGLE_BRD	3D4	9C2	L19_SWITCH	@single_brd_lib.SINGLE_BRD	14D6								
	CUMULUS_VSTM_OUT<2>	CUMULUS_VSTM_OUT<2> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FMIO_I0<6>	FMIO_I0<6> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2S1_DIN	I2S1_DIN - @single_brd_lib.SINGLE_BRD	3D4	21C4	L19_VSENSE_N	@single_brd_lib.SINGLE_BRD	14D4								
	CUMULUS_VSTM_OUT<3>	CUMULUS_VSTM_OUT<3> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FMIO_I0<7>	FMIO_I0<7> - @single_brd_lib.SINGLE_BRD	6C4	6C8	I2S1_DOUT	I2S1_DOUT - @single_brd_lib.SINGLE_BRD	3D4	21C4	L19_VSENSE_P	@single_brd_lib.SINGLE_BRD	14D4								
	CUMULUS_VSTM_OUT<4>	CUMULUS_VSTM_OUT<4> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FMIO_WE_L	FMIO_WE_L - @single_brd_lib.SINGLE_BRD	6B7	6C3	BB_I2S_TXD	BB_I2S_TXD - @single_brd_lib.RADIO_MLB(i594_page 19)	26C8	30B4	L65_FILT+	@single_brd_lib.SINGLE_BRD	10B4								
	CUMULUS_VSTM_OUT<5>	CUMULUS_VSTM_OUT<5> - @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	26C8	30B4	L65_VCCPFLT+	@single_brd_lib.SINGLE_BRD	10C4								
B	CUMULUS_VSTM_OUT<6>	CUMULUS_VSTM_OUT<6> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_CEN0	FM11_CEN0 - @single_brd_lib.SINGLE_BRD	6C3	6C6	BB_I2S_RXD	BB_I2S_RXD - @single_brd_lib.RADIO_MLB(i594_page 19)	26C8	30B4	L65_VCCPFLT-	@single_brd_lib.SINGLE_BRD	10C4	A							
	CUMULUS_VSTM_OUT<7>	CUMULUS_VSTM_OUT<7> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_CLE	FM11_CLE - @single_brd_lib.SINGLE_BRD	6B6	6C3	I2S1_LRCLK	I2S1_LRCLK - @single_brd_lib.SINGLE_BRD	26C8	30B4	LAT_SW1_CTL	@single_brd_lib.SINGLE_BRD	16C5		21A4						
	CUMULUS_VSTM_OUT<8>	CUMULUS_VSTM_OUT<8> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_I0<0>	FM11_I0<0> - @single_brd_lib.SINGLE_BRD	6C5		I2S2_DIN	I2S2_DIN - @single_brd_lib.SINGLE_BRD	3D4	9B2	14C5	LCD_BL_CA	@single_brd_lib.SINGLE_BRD		13B1	18D1					
	CUMULUS_VSTM_OUT<9>	CUMULUS_VSTM_OUT<9> - @single_brd_lib.SINGLE_BRD	17C5		FM11_I0<1>	FM11_I0<1> - @single_brd_lib.SINGLE_BRD	6C5		I2S2_DOUT	I2S2_DOUT - @single_brd_lib.SINGLE_BRD	3D4	9C2	14C5	LCD_BL_CA_CONN	@single_brd_lib.SINGLE_BRD		18C4	22D4					
	CUMULUS_VSTM_OUT<10>	CUMULUS_VSTM_OUT<10> - @single_brd_lib.SINGLE_BRD	17C5		FM11_I0<2>	FM11_I0<2> - @single_brd_lib.SINGLE_BRD	6C5		I2S2_DOUT	I2S2_DOUT - @single_brd_lib.SINGLE_BRD	3D4	9C2	14C5	LCD_BL_CC1	@single_brd_lib.SINGLE_BRD		13A2	18D1					
	CUMULUS_VSTM_OUT<11>	CUMULUS_VSTM_OUT<11> - @single_brd_lib.SINGLE_BRD	17B3	17C5	FM11_I0<3>	FM11_I0<3> - @single_brd_lib.SINGLE_BRD	6C5		I2S2_LRCLK	I2S2_LRCLK - @single_brd_lib.SINGLE_BRD	3D4	9C2	14C5	LCD_BL_CC1_CONN	@single_brd_lib.SINGLE_BRD		18C4	22D4					
	CUMULUS_VSTM_OUT<12>	CUMULUS_VSTM_OUT<12> - @single_brd_lib.SINGLE_BRD	17B3	17C5	FM11_I0<4>	FM11_I0<4> - @single_brd_lib.SINGLE_BRD	6C5		I2S3_DIN	I2S3_DIN - @single_brd_lib.SINGLE_BRD	3C4	21B4	LCD_BL_CC2	@single_brd_lib.SINGLE_BRD	13A2		18D1						
	CUMULUS_VSTM_OUT<13>	CUMULUS_VSTM_OUT<13> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_I0<5>	FM11_I0<5> - @single_brd_lib.SINGLE_BRD	6C5		BT_PCM_OUT	BT_PCM_OUT - @single_brd_lib.RADIO_MLB(i594_page 19)	26B8	42B3	LCD_BL_CC2_CONN	@single_brd_lib.SINGLE_BRD	18C4		22D4						
	CUMULUS_VSTM_OUT<14>	CUMULUS_VSTM_OUT<14> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_I0<6>	FM11_I0<6> - @single_brd_lib.SINGLE_BRD	6C5		LCD_DESENSE	LCD_DESENSE - @single_brd_lib.SINGLE_BRD	13A2												
	CUMULUS_VSTM_OUT<15>	CUMULUS_VSTM_OUT<15> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_I0<7>	FM11_I0<7> - @single_brd_lib.SINGLE_BRD	6C5		LCD_DESENSE_CONN	LCD_DESENSE_CONN - @single_brd_lib.SINGLE_BRD	18D4												
A	CUMULUS_VSTM_OUT<16>	CUMULUS_VSTM_OUT<16> - @single_brd_lib.SINGLE_BRD	17C3	17C5	FM11_WE_L	FM11_WE_L - @single_brd_lib.SINGLE_BRD	6B6	6C3	LCD_HIFA_BSYN	LCD_HIFA_BSYN - @single_brd_lib.SINGLE_BRD	3B7	17A1	17B2	18B1									
	CUMULUS_VSTM_OUT<17>	CUMULUS_VSTM_OUT<17> - @single_brd_lib.SINGLE_BRD	17B5	17C3	FORCE_DFU	FORCE_DFU - @single_brd_lib.SINGLE_BRD	3A7	22B8	LCD_HIFA_BSYN_CONN	LCD_HIFA_BSYN_CONN - @single_brd_lib.SINGLE_BRD	18C4												
	CUMULUS_VSTM_OUT<18>	CUMULUS_VSTM_OUT<18> - @single_brd_lib.SINGLE_BRD	17B5	17C3	GCM_SEL	GCM_SEL - @single_brd_lib.SINGLE_BRD	17B2	17B5	LCD_HIFA_BSYN_CONN	LCD_HIFA_BSYN_CONN - @single_brd_lib.SINGLE_BRD	18C4												
	CUMULUS_VSTM_OUT<19>	CUMULUS_VSTM_OUT<19> - @single_brd_lib.SINGLE_BRD	17B5	17C3	GRAPE_INT_L	GRAPE_INT_L - @single_brd_lib.SINGLE_BRD	3B7	17B8	LCD_PANIC_L_CONN	LCD_PANIC_L_CONN - @single_brd_lib.SINGLE_BRD	18C4												
	DDR0_VREF_CA	DDR0_VREF_CA - @single_brd_lib.SINGLE_BRD	4A7	4D6	GRAPE_RESET_L	GRAPE_RESET_L - @single_brd_lib.SINGLE_BRD	3A7	17B7	LCD_PANIC_L_CONN	LCD_PANIC_L_CONN - @single_brd_lib.SINGLE_BRD	18C4												
	DDR0_VREF_DQ	DDR0_VREF_DQ - @single_brd_lib.SINGLE_BRD	4A5	4D6	GYRO_DEN	GYRO_DEN - @single_brd_lib.SINGLE_BRD	14B2		LCD_PIFA	LCD_PIFA - @single_brd_lib.SINGLE_BRD	18C4												
	DDR0_ZQ	DDR0_ZQ - @single_brd_lib.SINGLE_BRD	4D6	4D6	GYRO_INT1	GYRO_INT1 - @single_brd_lib.SINGLE_BRD	3A7	14B2	LCD_PIFA_R	LCD_PIFA_R - @single_brd_lib.SINGLE_BRD	3C4	18B1											
	DDR1_VREF_CA	DDR1_VREF_CA - @single_brd_lib.SINGLE_BRD	4A6	4D6	GYRO_INT2	GYRO_INT2 - @single_brd_lib.SINGLE_BRD	3B5	14B2	LCD_PWR_EN	LCD_PWR_EN - @single_brd_lib.SINGLE_BRD	13B2	13B4	13C6	18C1	19A6								
	DDR1_VREF_DQ	DDR1_VREF_DQ - @single_brd_lib.SINGLE_BRD	4A4	4D6	GYRO_PUMP	GYRO_PUMP - @single_brd_lib.SINGLE_BRD	14B2		LCD_PWR_EN_CONN	LCD_PWR_EN_CONN - @single_brd_lib.SINGLE_BRD	18C4												
	DDR1_ZQ	DDR1_ZQ - @single_brd_lib.SINGLE_BRD	4D6	4D6	HIFA_BUFF_INV	HIFA_BUFF_INV - @single_brd_lib.SINGLE_BRD	17A2		LCD_RESET_L	LCD_RESET_L - @single_brd_lib.SINGLE_BRD	3B7	18B1	19B6										
	DEV_H3IC3_RDY	DEV_H3IC3_RDY - @single_brd_lib.SINGLE_BRD	3B5	21D1	HOLD_KEY_BUFF_L	HOLD_KEY_BUFF_L - @single_brd_lib.SINGLE_BRD	3A3	3B7	13C4	13C6	9C6	16C2	LCD_RESET_L_CONN	@single_brd_lib.SINGLE_BRD	18C4								
8			7			6			5			4			3			2			1		
8			7			6			5			4			3			2			1		

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8			7			6			5			4			3			2			1		
D	NAND_VDDI	NAND_VDDI - @single_brd.lib.SINGLE_BRD	6D4	PP2V5_CAM0_AF_GROUND	PP2V5_CAM0_AF_GROUND - @single_brd.lib.SINGLE_BRD	20C5	SAGE_PANEL_IN<11>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_IN<11> -	17C3 18A8	UART1_CTS_L	UART1_CTS_L - @single_brd.lib.SINGLE_BRD	3B5 21C4	D	C	B	A	A	B	C	D			
	NEG_BOOST_OUT	NEG_BOOST_OUT - @single_brd.lib.SINGLE_BRD	19D3	PP2V8_CAM0_CONN	PP2V8_CAM0_CONN - @single_brd.lib.SINGLE_BRD	20C5	SAGE_PANEL_IN<12>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_IN<12> -	17C3 18A6	UART1_RTS_L	UART1_RTS_L - @single_brd.lib.SINGLE_BRD	3B5 21C4											
	NEG_SWITCH	NEG_SWITCH - @single_brd.lib.SINGLE_BRD	19D3	PP2V8_CAM1_CONN	PP2V8_CAM1_CONN - @single_brd.lib.SINGLE_BRD	20C5	SAGE_PANEL_IN<13>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_IN<13> -	17C3 18A6	UART1_RXD	UART1_RXD - @single_brd.lib.SINGLE_BRD	3B5 15B5 21C4											
	NTC_CAM_N	NTC_CAM_N - @single_brd.lib.SINGLE_BRD	12A6	PP2V8_CAM_AVDD	PP2V8_CAM_AVDD - @single_brd.lib.SINGLE_BRD	12B8 15C4	SAGE_PANEL_IN<14>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_IN<14> -	17C3 18A6	UART1_TXD	UART1_TXD - @single_brd.lib.SINGLE_BRD	3B5 15B5 21C4											
	NTC_CAM_P	NTC_CAM_P - @single_brd.lib.SINGLE_BRD	12A6 12B7	PP3V0_ACC	PP3V0_ACC - @single_brd.lib.SINGLE_BRD	11C5	SAGE_PANEL_VSTM_OUT<1>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<1> -	17C1 18A6 18A8	UART2_RXD	UART2_RXD - @single_brd.lib.SINGLE_BRD	3B5 15B5											
	NTC_FOREHEAD_N	NTC_FOREHEAD_N - @single_brd.lib.SINGLE_BRD	12A8	PP3V0_ALS	PP3V0_ALS - @single_brd.lib.SINGLE_BRD	14A5 14A8 14B8	SAGE_PANEL_VSTM_OUT<2>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<2> -	17C1 18A8	UART2_TXD	UART2_TXD - @single_brd.lib.SINGLE_BRD	3B5 15B5											
	NTC_FOREHEAD_P	NTC_FOREHEAD_P - @single_brd.lib.SINGLE_BRD	12A7 12B7	PP3V0_COMP	PP3V0_COMP - @single_brd.lib.SINGLE_BRD	12B5 14A4 14B1	SAGE_PANEL_VSTM_OUT<3>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<3> -	17C1 18A8	UART3_CTS_L	UART3_CTS_L - @single_brd.lib.SINGLE_BRD	3B5 21B4											
	NTC_H5P_N	NTC_H5P_N - @single_brd.lib.SINGLE_BRD	12A5	PP3V0_IMU	PP3V0_IMU - @single_brd.lib.SINGLE_BRD	11C2 12B5	SAGE_PANEL_VSTM_OUT<4>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<4> -	17C1 18A8	UART3_RTS_L	UART3_RTS_L - @single_brd.lib.SINGLE_BRD	3B5 21B4											
	NTC_H5P_P	NTC_H5P_P - @single_brd.lib.SINGLE_BRD	12A5 12B7	PP3V0_IO	PP3V0_IO - @single_brd.lib.SINGLE_BRD	12C8 16B8	SAGE_PANEL_VSTM_OUT<5>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<5> -	17C1 18A6	UART3_RXD	UART3_RXD - @single_brd.lib.SINGLE_BRD	3A5 21B4											
	NTC_PA_N	NTC_PA_N - @single_brd.lib.SINGLE_BRD	12A4	PP3V0_NAND	PP3V0_NAND - @single_brd.lib.SINGLE_BRD	15C2 16B8	SAGE_PANEL_VSTM_OUT<6>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<6> -	17C1 18A6	UART6_RXD	UART6_RXD - @single_brd.lib.SINGLE_BRD	3A5 15B5											
	NTC_PA_P	NTC_PA_P - @single_brd.lib.SINGLE_BRD	12A4 12B7	PP3V0_NAND_XW	PP3V0_NAND_XW - @single_brd.lib.SINGLE_BRD	13B3 17D7	SAGE_PANEL_VSTM_OUT<7>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<7> -	17C1 18A6	UART6_TXD	UART6_TXD - @single_brd.lib.SINGLE_BRD	3A5 15B5											
	OSC32I	OSC32I - @single_brd.lib.SINGLE_BRD	12B6	PP3V0_PROX	PP3V0_PROX - @single_brd.lib.SINGLE_BRD	13B3 18C1 19B2	SAGE_PANEL_VSTM_OUT<8>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<8> -	17C1 18A6	USB_BRICKID	USB_BRICKID - @single_brd.lib.SINGLE_BRD	13C2 15B5											
	OSC32O	OSC32O - @single_brd.lib.SINGLE_BRD	12A6	PP3V0_PROX_ALS	PP3V0_PROX_ALS - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<9>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<9> -	17C1 18A6	USB_BRICKID_PMU	USB_BRICKID_PMU - @single_brd.lib.SINGLE_BRD	13C4 13C6											
	OVF_GATE	OVF_GATE - @single_brd.lib.SINGLE_BRD	16B7	PP3V0_PROX_IR	PP3V0_PROX_IR - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<10>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<10> -	17C1 18A6	USB_CONN_SNUB	USB_CONN_SNUB - @single_brd.lib.SINGLE_BRD	16B5											
	OVF_SW_EN_L	OVF_SW_EN_L - @single_brd.lib.SINGLE_BRD	15B4 16B8	PP3V0_USBMUX	PP3V0_USBMUX - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<11>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<11> -	17C1 18A6	USB_REXT	USB_REXT - @single_brd.lib.SINGLE_BRD	2B4											
	PBL_RUN_BB_HSIIC1_RDY	PBL_RUN_BB_HSIIC1_RDY - @single_brd.lib.RADIO_MLB(i594_page 19)	3A7 21D4	PP3V2_CODECC	PP3V2_CODECC - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<12>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<12> -	17C1 18A6	USB_VBUS_DETECT	USB_VBUS_DETECT - @single_brd.lib.SINGLE_BRD	2B4 12C8											
	PMU_ADC_IN7	PMU_ADC_IN7 - @single_brd.lib.SINGLE_BRD	13C3 13C6	PP3V3_VIB	PP3V3_VIB - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<13>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<13> -	17C1 18A6	VBST_OUTH_STACK	VBST_OUTH_STACK - @single_brd.lib.SINGLE_BRD	17B4											
	PMU_AMUX_AY	PMU_AMUX_AY - @single_brd.lib.SINGLE_BRD	13C6 13D5 22C8	PP5V0_TRISTAR	PP5V0_TRISTAR - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<14>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<14> -	17C1 18A6	VBST_OUTL_STACK	VBST_OUTL_STACK - @single_brd.lib.SINGLE_BRD	17A4											
	PMU_AMUX_AY_CTRL	PMU_AMUX_AY_CTRL - @single_brd.lib.SINGLE_BRD	3C5 13D7	PP5V0_USB_CONN	PP5V0_USB_CONN - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<15>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<15> -	17C1 18A6	VCENTER	VCENTER - @single_brd.lib.SINGLE_BRD	12C7											
	PMU_AMUX_AY_R	PMU_AMUX_AY_R - @single_brd.lib.SINGLE_BRD	13D6	PP5V0_USB_PROTECT	PP5V0_USB_PROTECT - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<16>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<16> -	17C1 18A6	VDD_REF	VDD_REF - @single_brd.lib.SINGLE_BRD	13C5											
	PMU_AMUX_BY	PMU_AMUX_BY - @single_brd.lib.SINGLE_BRD	13B6 13D5 22C8	PP5V0_USB_RPROT	PP5V0_USB_RPROT - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<17>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<17> -	17C1 18A6	VDD_RTC	VDD_RTC - @single_brd.lib.SINGLE_BRD	13C5											
	PMU_AMUX_BY_CTRL	PMU_AMUX_BY_CTRL - @single_brd.lib.SINGLE_BRD	3B5 13D7	PP5V1_GRAPE_VDDH	PP5V1_GRAPE_VDDH - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<18>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<18> -	17C1 18A6	VHP_FLYC	VHP_FLYC - @single_brd.lib.SINGLE_BRD	10C4											
C	PMU_AMUX_BY_R	PMU_AMUX_BY_R - @single_brd.lib.SINGLE_BRD	13D6	PP5V7_LCD_AVDDH	PP5V7_LCD_AVDDH - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<19>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<19> -	17C1 18A6	VHP_FLYN	VHP_FLYN - @single_brd.lib.SINGLE_BRD	10C4	C	B	A	A	B	C	D				
	PMU_DWI_CLK	PMU_DWI_CLK - @single_brd.lib.SINGLE_BRD	13B6	PP5V7_LCD_AVDDH_CONN	PP5V7_LCD_AVDDH_CONN - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<20>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<20> -	17C1 18A6	VIB	VIB - @single_brd.lib.SINGLE_BRD	8B5											
	PMU_DWI_DI	PMU_DWI_DI - @single_brd.lib.SINGLE_BRD	13B6	PP5V7_SAGE_AVDDH	PP5V7_SAGE_AVDDH - @single_brd.lib.SINGLE_BRD	18C4	SAGE_PANEL_VSTM_OUT<21>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<21> -	17C1 18A6	VIB_LDO_EN	VIB_LDO_EN - @single_brd.lib.SINGLE_BRD	3B5 8C7											
	PMU_DWI_DO	PMU_DWI_DO - @single_brd.lib.SINGLE_BRD	13B6	PPN_ZQ	PPN_ZQ - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<22>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<22> -	17C1 18A6	VIB_PWM	VIB_PWM - @single_brd.lib.SINGLE_BRD	3B5 8C7											
	PMU_IRQ_L	PMU_IRQ_L - @single_brd.lib.SINGLE_BRD	3B7 13B6	PP_BATT_VCC	PP_BATT_VCC - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<23>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<23> -	17C1 18A6	VIB_PWM_G	VIB_PWM_G - @single_brd.lib.SINGLE_BRD	8C7											
	PMU_RESET_IN	PMU_RESET_IN - @single_brd.lib.SINGLE_BRD	13B6	PP_BATT_VCC_CONN	PP_BATT_VCC_CONN - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<24>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<24> -	17C1 18A6	VIB_RETURN	VIB_RETURN - @single_brd.lib.SINGLE_BRD	8B5											
	PMU_RESET_IN	PMU_RESET_IN - @single_brd.lib.SINGLE_BRD	13B6	PP_L19_VBOOST	PP_L19_VBOOST - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<25>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<25> -	17C1 18A6	VOL_DWN_L	VOL_DWN_L - @single_brd.lib.SINGLE_BRD	3B7 8B7 13C6											
	PMN5V7_LCM_AVDDN_CONN	PMN5V7_LCM_AVDDN_CONN - @single_brd.lib.SINGLE_BRD	18C4	PP_LD014_2P65	PP_LD014_2P65 - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<26>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<26> -	17C1 18A6	VOL_DWN_L_CONN	VOL_DWN_L_CONN - @single_brd.lib.SINGLE_BRD	8B5											
	PMN5V7_SAGE_AVDDN	PMN5V7_SAGE_AVDDN - @single_brd.lib.SINGLE_BRD	17A5 17D4 18D1 19B8 19D1	PP_LD014_2P65	PP_LD014_2P65 - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<27>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<27> -	17C1 18A6	VOL_UP_L	VOL_UP_L - @single_brd.lib.SINGLE_BRD	3B7 8B7 13C6											
	PP1V0	PP1V0 - @single_brd.lib.SINGLE_BRD	2C7 2D3 7B4 7D5 12A4	PP_LD014_2P65	PP_LD014_2P65 - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<28>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<28> -	17C1 18A6	VOL_UP_L_CONN	VOL_UP_L_CONN - @single_brd.lib.SINGLE_BRD	8B5											
	PP1V0_SRAM	PP1V0_SRAM - @single_brd.lib.SINGLE_BRD	5C7 12A4	PP_VCC_MAIN	PP_VCC_MAIN - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<29>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<29> -	17C1 18A6	VPUMP	VPUMP - @single_brd.lib.SINGLE_BRD	12D5											
	PP1V1_CPU0	PP1V1_CPU0 - @single_brd.lib.SINGLE_BRD	5D8 12D5	PROX_FILT	PROX_FILT - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<30>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<30> -	17C1 18A6	VREF	VREF - @single_brd.lib.SINGLE_BRD	13C5											
	PP1V1_CPU0_FET	PP1V1_CPU0_FET - @single_brd.lib.SINGLE_BRD	12D4	PROX_RX_EN_LV8	PROX_RX_EN_LV8 - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<31>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<31> -	17C1 18A6	VSW_CHG	VSW_CHG - @single_brd.lib.SINGLE_BRD	12C7											
	PP1V1_CPU1	PP1V1_CPU1 - @single_brd.lib.SINGLE_BRD	5C8 12D3	PROX_RX_EN_LV8	PROX_RX_EN_LV8 - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<32>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<32> -	17C1 18A6	WDOG	WDOG - @single_brd.lib.SINGLE_BRD	2C4 13A7											
	PP1V1_CPU1_FET	PP1V1_CPU1_FET - @single_brd.lib.SINGLE_BRD	12D2	PROX_RX_EN_CONN	PROX_RX_EN_CONN - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<33>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<33> -	17C1 18A6	WIFI_REG_ON	WIFI_REG_ON - @single_brd.lib.SINGLE_BRD	13B7 21C4											
	PP1V1_CPUB	PP1V1_CPUB - @single_brd.lib.SINGLE_BRD	5D8 12D1	PROX_TX_EN_LV8_L	PROX_TX_EN_LV8_L - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<34>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<34> -	17C1 18A6	WIFI_REG_ON_R	WIFI_REG_ON_R - @single_brd.lib.SINGLE_BRD	13B6											
	PP1V1_CPUB	PP1V1_CPUB - @single_brd.lib.SINGLE_BRD	5D8 12D1	PROX_TX_EN_BUFF	PROX_TX_EN_BUFF - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<35>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<35> -	17C1 18A6	WLAN_REG_ON	WLAN_REG_ON - @single_brd.lib.SINGLE_BRD	26C8 42A4 42A8 42C7											
	PP1V1_SOC	PP1V1_SOC - @single_brd.lib.SINGLE_BRD	5D4 12C2	RADIO_ON_L	RADIO_ON_L - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<36>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<36> -	17C1 18A6	WLAN_HSIC3_RESUME	WLAN_HSIC3_RESUME - @single_brd.lib.SINGLE_BRD	3B7 21A4											
	PP1V2	PP1V2 - @single_brd.lib.SINGLE_BRD	2C6 4A6 4C7 4D3 12B5	RESET_LV8_L	RESET_LV8_L - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<37>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<37> -	17C1 18A6	WLAN_HSIC3_RESUME	WLAN_HSIC3_RESUME - @single_brd.lib.SINGLE_BRD	26D8 42B5											
	PP1V2_CAM0_CONN	PP1V2_CAM0_CONN - @single_brd.lib.SINGLE_BRD	20B5	RF_RESET_L	RF_RESET_L - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<38>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<38> -	17C1 18A6	WLED_LX	WLED_LX - @single_brd.lib.SINGLE_BRD	13B3											
	PP1V2_SDRAM	PP1V2_SDRAM - @single_brd.lib.SINGLE_BRD	4A8 4D7 4D8 12B7 12C1	REVERSE_GATE	REVERSE_GATE - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<39>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<39> -	17C1 18A6	XTAL_24M_O_R	XTAL_24M_O_R - @single_brd.lib.SINGLE_BRD	2C3											
	PP1V7_VA_DAC	PP1V7_VA_DAC - @single_brd.lib.SINGLE_BRD	12B4 14D4	RINGER_A	RINGER_A - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<40>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<40> -	17C1 18A6	XTAL_GND	XTAL_GND - @single_brd.lib.SINGLE_BRD	2B2											
B	PP1V8	PP1V8 - @single_brd.lib.SINGLE_BRD	2B7 2C3 2D7 3C7 3C7 3D2 3D2 4B3 5A7 5B5 6B6 6B7 6C8 6D1 7B2 7D1 7D2 10D6 11C2 12B1 12B5 13A4 13D6 14B3 14B4 17D2 18B1 18C1 20B7 20C7 3A4 12A5	RINGER_A_CONN	RINGER_A_CONN - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<41>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<41> -	17C1 18A6				B	A	A	B	C	D					
	PP1V8_ALWAYS	PP1V8_ALWAYS - @single_brd.lib.SINGLE_BRD	20C5	RINGER_A_CONN	RINGER_A_CONN - @single_brd.lib.SINGLE_BRD	6B3	SAGE_PANEL_VSTM_OUT<42>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<42> -	17C1 18A6														
	PP1V8_CAM0_CONN	PP1V8_CAM0_CONN - @single_brd.lib.SINGLE_BRD	20C5	SAGE_LX	SAGE_LX - @single_brd.lib.SINGLE_BRD	17B3	SAGE_PANEL_VSTM_OUT<43>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<43> -	17C1 18A8														
	PP1V8_CAM0_REG	PP1V8_CAM0_REG - @single_brd.lib.SINGLE_BRD	20B7	SAGE_LY	SAGE_LY - @single_brd.lib.SINGLE_BRD	17B3	SAGE_PANEL_VSTM_OUT<44>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<44> -	17C1 18A8														
	PP1V8_CAM1_CONN	PP1V8_CAM1_CONN - @single_brd.lib.SINGLE_BRD	11C4	SAGE_PANEL_IN<0>	SAGE_PANEL_IN<0> - @single_brd.lib.SINGLE_BRD	17C3 18A8	SAGE_PANEL_VSTM_OUT<45>	@single_brd.lib.SINGLE_BRD SAGE_PANEL_VSTM_OUT<45> -	17C3 18A8														
	PP1V8_COMP	PP1V8_COMP - @single_brd.lib.SINGLE_BRD	14A7 14A8 14B5 14B7	SAGE_PANEL_IN<1>	SAGE_PANEL_IN<1> - @																		

8				7				6				5				4				3				2				1			
D	Base nets and synonyms for single_brd_lib.RADIO_MLB(@single_brd_lib.single_brd(sch_1):page19_i594@radio_mlb_1 ib.radio_mlb(sch_1))			Base Signal			Synonyms			Location([Zone][dir])																					
	2G_VBATT_IN			2G_VBATT_IN -			36C4																								
	50_3G_TX_B1_T			@single_brd_lib.RADIO_MLB			38C8																								
	50_3G_TX_B2_T			@single_brd_lib.RADIO_MLB			39C8																								
	50_3G_TX_B5_T			@single_brd_lib.RADIO_MLB			34C8																								
	50_3G_TX_B8_T			@single_brd_lib.RADIO_MLB			34D7																								
	50_3G_TX_B13_PA_T			50_3G_TX_B13_PA_T -			35C6																								
	50_3G_TX_B13_T			@single_brd_lib.RADIO_MLB			35C8																								
	50_ASM_ANT			@single_brd_lib.RADIO_MLB			37B2																								
	50_ASM_ANT_MCH			@single_brd_lib.RADIO_MLB			37B2																								
C	50_B2_DUPLX_RX			@single_brd_lib.RADIO_MLB			39C4																								
	50_B2_RX_BAL			50_B2_RX_BAL -			39C3																								
	50_BAND1_TX_INT_OUT			@single_brd_lib.RADIO_MLB			38C6																								
	50_BAND1_TX_IN_IN			50_BAND1_TX_IN_IN -			38C7																								
	50_BAND1_TX_PA_IN			50_BAND1_TX_PA_IN -			38C6																								
	50_BAND2_TX_INT_IN			50_BAND2_TX_INT_IN -			39C7																								
	50_BAND4_TX_IN			50_BAND4_TX_IN -			38B7																								
	50_BAND4_TX_INT_OUT			@single_brd_lib.RADIO_MLB			38B6																								
	50_BAND4_TX_PA_IN			@single_brd_lib.RADIO_MLB			38B6																								
	50_BAND5_TX_INT_IN			@single_brd_lib.RADIO_MLB			34C7																								
B	50_BAND5_TX_INT_OUT			@single_brd_lib.RADIO_MLB			34C6																								
	50_BAND5_TX_PA_IN			@single_brd_lib.RADIO_MLB			34C5																								
	50_BAND8_TX_INT_OUT			@single_brd_lib.RADIO_MLB			34D6																								
	50_BAND8_TX_PA_IN			50_BAND8_TX_PA_IN -			34D5																								
	50_BAND13_DUPLX_ANT			50_BAND13_DUPLX_ANT -			35C2																								
	50_BAND13_DUPLX_TX			@single_brd_lib.RADIO_MLB			35C3																								
	50_BAND13_PA_MATCH			50_BAND13_PA_MATCH -			35C4																								
	50_BAND13_PA_OUT			@single_brd_lib.RADIO_MLB			35C4																								
	50_BAND13_TRX			@single_brd_lib.RADIO_MLB			35C1			37B6																					
	50_BAND13_TRX_MATCH			@single_brd_lib.RADIO_MLB			35C2																								
A	50_BAND13_TX_INT_IN			@single_brd_lib.RADIO_MLB			35C7																								
	50_BAND13_TX_INT_OUT			@single_brd_lib.RADIO_MLB			35C6																								
	50_BAND13_TX_PA_IN			50_BAND13_TX_PA_IN -			35C5																								
	50_CM_TRAP_B5			50_CM_TRAP_B5 -			32C3																								
	50_CPL_B1_B4_OUT			50_CPL_B1_B4_OUT -			34C3			38C3																					
	50_CPL_B1_B4_TERM			50_CPL_B1_B4_TERM -			38C4																								

Base nets and synonyms for single_brd_lib.RADIO_MLB(@single_brd_lib.single_brd(sch_1):page19_i594@radio_mlb_1 ib.radio_mlb(sch_1))				Base Signal				Synonyms				Location([Zone][dir])																							
2G_VBATT_IN				2G_VBATT_IN -				36C4																											
50_3G_TX_B1_T				@single_brd_lib.RADIO_MLB				38C8																											
50_3G_TX_B2_T				@single_brd_lib.RADIO_MLB				39C8																											
50_3G_TX_B5_T				@single_brd_lib.RADIO_MLB				34C8																											
50_3G_TX_B8_T				@single_brd_lib.RADIO_MLB				34D7																											
50_3G_TX_B13_PA_T				50_3G_TX_B13_PA_T -				35C6																											
50_3G_TX_B13_T				@single_brd_lib.RADIO_MLB				35C8																											
50_ASM_ANT				@single_brd_lib.RADIO_MLB				37B2																											
50_ASM_ANT_MCH				@single_brd_lib.RADIO_MLB				37B2																											
50_B2_DUPLX_RX				@single_brd_lib.RADIO_MLB				39C4																											
50_B2_RX_BAL				50_B2_RX_BAL -				39C3																											
50_BAND1_TX_INT_OUT				@single_brd_lib.RADIO_MLB				38C6																											
50_BAND1_TX_IN_IN				50_BAND1_TX_IN_IN -				38C7																											
50_BAND1_TX_PA_IN				50_BAND1_TX_PA_IN -				38C6																											
50_BAND2_TX_INT_IN				50_BAND2_TX_INT_IN -				39C7																											
50_BAND4_TX_IN				50_BAND4_TX_IN -				38B7																											
50_BAND4_TX_INT_OUT				@single_brd_lib.RADIO_MLB				38B6																											
50_BAND4_TX_PA_IN				@single_brd_lib.RADIO_MLB				38B6																											
50_BAND5_TX_INT_IN				@single_brd_lib.RADIO_MLB				34C7																											
50_BAND5_TX_INT_OUT				@single_brd_lib.RADIO_MLB				34C6																											
50_BAND5_TX_PA_IN				@single_brd_lib.RADIO_MLB				34C5																											
50_BAND8_TX_INT_OUT				@single_brd_lib.RADIO_MLB				34D6																											
50_BAND8_TX_PA_IN				50_BAND8_TX_PA_IN -				34D5																											
50_BAND13_DUPLX_ANT				50_BAND13_DUPLX_ANT -				35C2																											
50_BAND13_DUPLX_TX				@single_brd_lib.RADIO_MLB				35C3																											
50_BAND13_PA_MATCH				50_BAND13_PA_MATCH -				35C4																											
50_BAND13_PA_OUT				@single_brd_lib.RADIO_MLB				35C4																											
50_BAND13_TRX				@single_brd_lib.RADIO_MLB				35C1				37B6																							
50_BAND13_TRX_MATCH				@single_brd_lib.RADIO_MLB				35C2																											
50_BAND13_TX_INT_IN				@single_brd_lib.RADIO_MLB				35C7																											
50_BAND13_TX_INT_OUT				@single_brd_lib.RADIO_MLB				35C6																											
50_BAND13_TX_PA_IN				50_BAND13_TX_PA_IN -				35C5																											
50_CM_TRAP_B5				50_CM_TRAP_B5 -				32C3																											
50_CPL_B1_B4_OUT				50_CPL_B1_B4_OUT -				34C3				38C3																							
50_CPL_B1_B4_TERM				50_CPL_B1_B4_TERM -				38C4																											
50_CPL_B5_B8_OUT				50_CPL_B5_B8_OUT -				34C3				35B5				39B5																			
50_CPL_B13_OUT				50_CPL_B13_OUT -				35B5				39B5																							
50_CPL_PDET				50_CPL_PDET -				31D8				39C3																							
50_DIVERSITY_SWITCH_MATCH				50_DIVERSITY_SWITCH_MATCH -				40C6																											
50_DRX_ANT				@single_brd_lib.RADIO_MLB				37A2				40C7																							
50_DRX_ASM_MCH				@single_brd_lib.RADIO_MLB				40C6																											
50_DRX_B3_MATCH				@single_brd_lib.RADIO_MLB				37B6																											
50_DRX_B3_OUT				@single_brd_lib.RADIO_MLB				37B6				40C2																							
50_GPS_FILT_CONN				50_GPS_FILT_CONN -				41C6																											
50_GPS_FILT_IN				50_GPS_FILT_IN -				41C5																											
50_GPS_LNA_OUT				50_GPS_LNA_OUT -				41C8																											
50_HSI1_BB_DATA				50_HSI1_DATA -				2C6				21B4																							
50_HSI1_BB_STROBE				50_HSI1_DATA -				26B3				26D8				29B3																			
50_HSI1_CTS				50_HSI1_CTS -				2C6				21B4																							
50_HSI1_CTS_CAL				50_HSI1_CTS -				26B3				26C8				29B3																			
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
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50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
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50_HSI1_CTS_CAL				50_HSI1_CTS -				29B3																											
50_HSI1_CTS_CAL				50_HSI1_CTS -																															



8				7				6				5				4				3				2				1			
D	BOARD_ID	@single_brd_lib.RADIO_MLB	BOARD_ID -	28D4	PA_ON_B8	@single_brd_lib.RADIO_MLB	PA_ON_B8 -	30B4 35B7	PP_SMPS2_RF1_LV3	PP_SMPS2_RF1_LV3 -	27C1 29A5 33D6 33D8	WAN_GP_DATA0	WAN_GP_DATA0 -	30B2 31C4	D																
	BT_PCM_CLK	@single_brd_lib.RADIO_MLB	45_I2S3_BCLK -	3C4 21B4	PA_ON_B13	@single_brd_lib.RADIO_MLB	PA_ON_B13 -	30B4 35B7	PP_SMPS3_MSME_IV8	PP_SMPS3_MSME_IV8 -	26D1 26D6 27A7 27C1 29A6	WAN_GP_DATA1	WAN_GP_DATA1 -	30B2 31C4																	
	BT_PCM_CLK	@single_brd_lib.SINGLE_BRD	BT_PCM_CLK -	26B8 42B3	PA_R0	@single_brd_lib.RADIO_MLB	PA_R0 -	30A4 34C2 35B7 36B5 38D3	PP_SMPS4_RF2_2V0	PP_SMPS4_RF2_2V0 -	29D8 30B8 30C4 33A4 27A7 27B1 33C5	WAN_GP_DATA2	WAN_GP_DATA2 -	30B2 31C4																	
	BT_PCM_IN	@single_brd_lib.RADIO_MLB	I2S3_DOUT -	3C4 21B4	PA_R1	@single_brd_lib.RADIO_MLB	PA_R1 -	35C6	PP_SMPS5_DSP_IV05	@single_brd_lib.RADIO_MLB	27A7 27B1	WLAN_BUCK_OUT	WLAN_BUCK_OUT -	42C7																	
	BT_PCM_IN	@single_brd_lib.SINGLE_BRD	BT_PCM_IN -	26B8 42B3	PA_R1_VBP	@single_brd_lib.RADIO_MLB	PA_R1_VBP -	35C6	PP_VREG	PP_VREG -	27D4	WLAN_CLK32K	WLAN_CLK32K -	42C7																	
	BT_PCM_OUT	@single_brd_lib.RADIO_MLB	I2S3_DIN -	3C4 21B4	PBL_RUN_BB_HSIC1_RDY	@single_brd_lib.SINGLE_BRD	PBL_RUN_BB_HSIC1_RDY -	26C1 26D8 30B2	PP_VSW_S1	@single_brd_lib.RADIO_MLB	27D4	WLAN_HSIC3_RESUME	WLAN_HSIC3_RESUME -	3B7 21A4																	
	BT_PCM_OUT	@single_brd_lib.SINGLE_BRD	BT_PCM_OUT -	26B8 42B3	PMIC_RESOUT_L	@single_brd_lib.RADIO_MLB	PMIC_RESOUT_L -	26C1 28C6 29B5	PP_VSW_S2	@single_brd_lib.RADIO_MLB	27C4	WLAN_REG_ON	WLAN_REG_ON -	26D8 42B5																	
	BT_PCM_SYNC	@single_brd_lib.SINGLE_BRD	I2S3_LRCLK -	3C4 21B4	PMIC_SSBI	@single_brd_lib.RADIO_MLB	PMIC_SSBI -	26C6 28C8 29A5	PP_VSW_S3	@single_brd_lib.RADIO_MLB	27C4	WLAN_REG_ON_RC	WLAN_REG_ON_RC -	42A7																	
	BT_REG_ON	@single_brd_lib.RADIO_MLB	BT_REG_ON -	13B7 21C4	PM_MDM_IRQ_L	@single_brd_lib.RADIO_MLB	PM_MDM_IRQ_L -	28C6 30B2	PP_VSW_S4	@single_brd_lib.RADIO_MLB	27B4	WLAN_SR_VLX1	WLAN_SR_VLX1 -	42B7																	
	BT_REG_ON	@single_brd_lib.SINGLE_BRD	BT_REG_ON -	26B8 42C7	PM_USR_IRQ_L	@single_brd_lib.RADIO_MLB	PM_USR_IRQ_L -	28C6 30A2	PP_VSW_S5	@single_brd_lib.RADIO_MLB	27B3	WLAN_TX_BLANK	WLAN_TX_BLANK -	30B2 42A4																	
C	BT_UART_CTS_L	@single_brd_lib.RADIO_MLB	UART3_RTS_L -	3B5 21B4	PP_BATT_VCC_CONN	@single_brd_lib.SINGLE_BRD	PP_BATT_VCC_CONN -	8C7 12D8 14D7 19D7 21C5	PP_WLAN_VDDIO_IV8	@single_brd_lib.RADIO_MLB	42C5	WLAN_UART_RXD	UART4_TXD -	3A5 21C4	C																
	BT_UART_CTS_L	@single_brd_lib.SINGLE_BRD	BT_UART_CTS_L -	26B8 42B3	PP_BATT_VCC_WLAN	@single_brd_lib.RADIO_MLB	PP_BATT_VCC_WLAN -	26D1 26D8 27B8 28C8 34C5	PP_WL_BT_VDDIO_AP	@single_brd_lib.SINGLE_BRD	3C8 4C7 9B3 12B2 12C1	WLAN_UART_TXD	UART4_RXD -	3A5 21B4																	
	BT_UART_RTS_L	@single_brd_lib.RADIO_MLB	UART3_CTS_L -	3B5 21B4	PP_DIG	@single_brd_lib.RADIO_MLB	PP_DIG -	33A3 33C3	PP_XO_LP8_FILT	@single_brd_lib.RADIO_MLB	33A4 33C3	XO_GND	XO_GND -	28A4 28B3 28B4																	
	BT_UART_RTS_L	@single_brd_lib.SINGLE_BRD	BT_UART_RTS_L -	26B8 42B3	PP_LDO1	@single_brd_lib.RADIO_MLB	PP_LDO1 -	27B2 29B5 33A5	PRX_B5_B8_1	@single_brd_lib.RADIO_MLB	30B2 32B4	XO_REF	XO_REF -	31D7																	
	BT_UART_RXD	@single_brd_lib.RADIO_MLB	UART3_TXD -	3A5 21B4	PP_LDO2_XO_HS_IV8	@single_brd_lib.RADIO_MLB	PP_LDO2_XO_HS_IV8 -	27B2 28B5 28D4 29B6	PRX_BB_I_N	@single_brd_lib.RADIO_MLB	30C8 31C7	XO_THERM_Y1	XO_THERM_Y1 -	28B4																	
	BT_UART_RXD	@single_brd_lib.SINGLE_BRD	BT_UART_RXD -	26B8 42C3	PP_LDO3_AMUX_IV8	@single_brd_lib.RADIO_MLB	PP_LDO3_AMUX_IV8 -	27B2 29B6	PRX_BB_I_P	@single_brd_lib.RADIO_MLB	30C8 31C7	XTAL19M_IN	@single_brd_lib.RADIO_MLB	28B4																	
	BT_UART_TXD	@single_brd_lib.RADIO_MLB	UART3_CTS_L -	3B5 21B4	PP_LDO4_VDDA_3V3	@single_brd_lib.RADIO_MLB	PP_LDO4_VDDA_3V3 -	27B2 41C6	PRX_BB_Q_N	@single_brd_lib.RADIO_MLB	30C8 31C7	XTAL19M_OUT	@single_brd_lib.RADIO_MLB	28B4																	
	BT_WAKE	@single_brd_lib.RADIO_MLB	UART3_TXD -	3A5 21B4	PP_LDO5_GPS_LNA_2V5	@single_brd_lib.RADIO_MLB	PP_LDO5_GPS_LNA_2V5 -	41C8	PRX_BB_Q_P	@single_brd_lib.RADIO_MLB	30C8 31C7																				
	BT_WAKE	@single_brd_lib.SINGLE_BRD	BT_WAKE -	3B7 21B4	PP_LDO5_GPS_LNA_2V5_CONN	@single_brd_lib.RADIO_MLB	PP_LDO5_GPS_LNA_2V5_CONN -	26A3 26A6 26D1 26D6 27A2	PS_HOLD	@single_brd_lib.RADIO_MLB	28C8 30B2																				
	CLK32K_AP	@single_brd_lib.RADIO_MLB	CLK32K_WIFI -	13B6 13C6 21B4	PP_LDO6_RUIM_IV8	@single_brd_lib.RADIO_MLB	PP_LDO6_RUIM_IV8 -	29A6	PS_HOLD_PMIC	@single_brd_lib.RADIO_MLB	26C3 28C7																				
B	DO_EN	@single_brd_lib.SINGLE_BRD	CLK32K_AP -	26C8 42A4 42C8	PP_LDO7_DAC_IV8	@single_brd_lib.RADIO_MLB	PP_LDO7_DAC_IV8 -	27A2 29A6 30C6	RADIO_ON_L	@single_brd_lib.RADIO_MLB	3A7 21D4				B																
	DCDC_ADJ	@single_brd_lib.RADIO_MLB	CLK32K_AP -	26C8 42A4 42C8	PP_LDO8_VDDPX_IV2	@single_brd_lib.RADIO_MLB	PP_LDO8_VDDPX_IV2 -	27A2 29A6	RADIO_ON_L	@single_brd_lib.SINGLE_BRD	26D3 26D8 28C8																				
	DCDC_ADJ	@single_brd_lib.RADIO_MLB	DO_EN -	28B2 29A5	PP_LDO9_PLL_IV05	@single_brd_lib.RADIO_MLB	PP_LDO9_PLL_IV05 -	27A2 29B6 29B8 29D8	REF_BYP_8014_F2	@single_brd_lib.RADIO_MLB	27C6																				
	DCDC_EN	@single_brd_lib.RADIO_MLB	DCDC_ADJ -	30A2 36D8	PP_LDO10_ADSF_IV05	@single_brd_lib.RADIO_MLB	PP_LDO10_ADSF_IV05 -	27A2 29C6 29D7	RESET_DET_L	@single_brd_lib.RADIO_MLB	3A5 21D4																				
	DCDC_EN	@single_brd_lib.SINGLE_BRD	DCDC_EN -	30C2 36D8	PP_LDO11_MDSP_FW_IV05	@single_brd_lib.RADIO_MLB	PP_LDO11_MDSP_FW_IV05 -	27A2 29C6 29D6	RESET_DET_L	@single_brd_lib.SINGLE_BRD	26C1 26D8 30B4																				
	DCDC_MODE	@single_brd_lib.RADIO_MLB	DCDC_MODE -	30B2 36D8	PP_LDO12_MDSP_SW_IV05	@single_brd_lib.RADIO_MLB	PP_LDO12_MDSP_SW_IV05 -	27A2 29B6 29D7	RESET_FMU_L	@single_brd_lib.RADIO_MLB	13B7 21D4																				
	DCDC_OUT	@single_brd_lib.RADIO_MLB	DCDC_PGND -	36C5 36C7 36D6 36D8	PP_LDO13_VDDPX_2V95	@single_brd_lib.RADIO_MLB	PP_LDO13_VDDPX_2V95 -	27A2 29A8	RESET_FMU_L	@single_brd_lib.SINGLE_BRD	26D3 26D8 28C8																				
	DCDC_PGND	@single_brd_lib.RADIO_MLB	DCDC_OUT -	36D6	PP_LDO14_2P65	@single_brd_lib.RADIO_MLB	PP_LDO14_2P65 -	16C2 21A4	RF_CLK	@single_brd_lib.RADIO_MLB	28B1 31D8																				
	DEBUG_RST_L	@single_brd_lib.RADIO_MLB	DCDC_PGND -	36C5 36C7 36D6 36D8	PP_LVS1	@single_brd_lib.RADIO_MLB	PP_LVS1 -	26B8 27A2 32C6 37C3 40D6	RF_RBIA5	@single_brd_lib.RADIO_MLB	31D7																				
	DEV_HSIC3_RDY	@single_brd_lib.SINGLE_BRD	DEV_HSIC3_RDY -	3B5 21D1	PP_PA	@single_brd_lib.RADIO_MLB	PP_PA -	26C6 27D1 29B6	RF_RESET_L	@single_brd_lib.RADIO_MLB	2B7 12B2 13B6 15B4 18B1																				
A	DRX_BB_I_N	@single_brd_lib.RADIO_MLB	DRX_BB_I_N -	30C8 31B7	PP_RF1_1_PRX_VCO	@single_brd_lib.RADIO_MLB	PP_RF1_1_PRX_VCO -	34C5 35D5 36C5 36D5 38D5	RREFEXT	@single_brd_lib.RADIO_MLB	21D4 22B8				A																
	DRX_BB_I_P	@single_brd_lib.RADIO_MLB	DRX_BB_I_P -	30C8 31B7	PP_RF1_2_4	@single_brd_lib.RADIO_MLB	PP_RF1_2_4 -	33C3 33D3	RSVD	@single_brd_lib.RADIO_MLB	26C3 26D8																				
	DRX_BB_Q_N	@single_brd_lib.RADIO_MLB	DRX_BB_Q_N -	30C8 31B7	PP_RF1_2_TX_VCO	@single_brd_lib.RADIO_MLB	PP_RF1_2_TX_VCO -	33C7	RTR_SSB1_PRX_DRX	@single_brd_lib.RADIO_MLB	29A5																				
	DRX_BB_Q_P	@single_brd_lib.RADIO_MLB	DRX_BB_Q_P -	30C8 31B7	PP_RF1_3_20_23	@single_brd_lib.RADIO_MLB	PP_RF1_3_20_23 -	33C6 33D3	RTR_SSB1_TX_GPS	@single_brd_lib.RADIO_MLB	30B2 31C1																				
	DRX_MODE_SEL_A	@single_brd_lib.RADIO_MLB	DRX_MODE_SEL_A -	30C2 40D7	PP_RF1_3_20_23_GPS_P	@single_brd_lib.RADIO_MLB	PP_RF1_3_20_23_GPS_P -	33B7	S1_GND	@single_brd_lib.RADIO_MLB	30B2 31C1																				
	DRX_MODE_SEL_B	@single_brd_lib.RADIO_MLB	DRX_MODE_SEL_B -	30C2 40D7	PP_RF1_3_20_23_RX_PL	@single_brd_lib.RADIO_MLB	PP_RF1_3_20_23_RX_PL -	33A6 33C3	S2_GND	@single_brd_lib.RADIO_MLB	27C3 27C7 28B6																				
	DRX_MODE_SEL_C	@single_brd_lib.RADIO_MLB	DRX_MODE_SEL_C -	30C2 40D7	PP_RF1_3_20_23_TX_PL	@single_brd_lib.RADIO_MLB	PP_RF1_3_20_23_TX_PL -	33B6 33C3	S3_GND	@single_brd_lib.RADIO_MLB	27C3 27C7 28B6																				
	EBI1_CAL	@single_brd_lib.RADIO_MLB	EBI1_CAL -	29D1	PP_RF1_4_TX_LO	@single_brd_lib.RADIO_MLB	PP_RF1_4_TX_LO -	33A6 33C3	S4_GND	@single_brd_lib.RADIO_MLB	27C7 28B6																				
	GPIO_6	@single_brd_lib.RADIO_MLB	GPIO_6 -	42C6	PP_RF1_5_8_9	@single_brd_lib.RADIO_MLB	PP_RF1_5_8_9 -	33A6 33C3	S5_GND	@single_brd_lib.RADIO_MLB	27B3 27C8 28B6																				
	GPIO_51	@single_brd_lib.RADIO_MLB	GPIO_51 -	26C3 30C2	PP_RF1_5_PRE_DRIVER	@single_brd_lib.RADIO_MLB	PP_RF1_5_PRE_DRIVER -	33C3 33C6	SIMCRD_CLK_CONN	@single_brd_lib.RADIO_MLB	26A3 26A6 26C1 30C4																				

8				7				6				5				4				3				2				1			
Title: Cref Part Report Design: single_brd Date: Jul 2 13:25:05 2012				C113 CAP_01005 single_brd[4A7] C114 CAP_01005 single_brd[4A6] C115 CAP_0204 single_brd[5C6] C116 CAP_0201 single_brd[5B6] C117 CAP_01005 single_brd[4A5] C118 CAP_01005 single_brd[5A5] C119 CAP_0402-2 single_brd[4A5] C120 CAP_01005 single_brd[5C6] C121 CAP_0204 single_brd[5D6] C122 CAP_0610 single_brd[5C6] C123 CAP_0402-4 single_brd[13A1] C124 CAP_0204 single_brd[5C6] C125 CAP_0402 single_brd[13A1] C126 CAP_0402-2 single_brd[5C7] C127 CAP_0201 single_brd[16B6] C128 CAP_0201 single_brd[5B6] C129 CAP_0402 single_brd[18C2] C130 CAP_01005 single_brd[17C7] C131 CAP_0402 single_brd[13A2] C132 CAP_01005 single_brd[13B2] C133 CAP_0610 single_brd[5C7] C134 CAP_0204 single_brd[5C6] C135 CAP_0402-1 single_brd[13B1] C136 CAP_01005 single_brd[6C5] C137 CAP_201 single_brd[17B4] C138 CAP_01005 single_brd[10C2] C140 CAP_0402 single_brd[12C3] C141 CAP_0402-2 single_brd[5D3] C142 CAP_0402-2 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_0201 single_brd[17A6] C149 CAP_0402-1 single_brd[17B4] C150 CAP_01005 single_brd[17B4] 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[17A4] 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_0402-2 single_brd[6D3] C183 CAP_0402-2 single_brd[6D3] C184 CAP_0402-2 single_brd[6D3] C185 CAP_0204 single_brd[6D3] C186 CAP_0204 single_brd[6D3] C187 CAP_0402-2 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 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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_01005 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 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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_0402-2 single_brd[8C5] C290 CAP_0402 single_brd[12D4] C291 CAP_0402 single_brd[12C3] C292 CAP_0402 single_brd[12D4] C293 CAP_0402 single_brd[12C2] C294 CAP_0402 single_brd[12D4] C295 CAP_0402 single_brd[12D2] C296 CAP_0402 single_brd[12D4] C297 CAP_0402 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[28B4]single_brd[21] C307 CAP_0402-2 single_brd[6C2] C308 CAP_0402 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] 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single_brd[14A6] C374 CAP_01005 single_brd[8C6] C375 CAP_0402 single_brd[12D7] C376 CAP_0201 single_brd[17A3] C377 CAP_0201 single_brd[17D1] C378 CAP_01005 single_brd[16C3] C379 CAP_01005 single_brd[19B7] C380 CAP_01005 single_brd[15C6] C381 CAP_01005 single_brd[15C5] C382 CAP_01005 single_brd[15C4] C383 CAP_0402 single_brd[12D7] C384 CAP_0402 single_brd[12D6] C385 CAP_0201 single_brd[12C7] C386 CAP_0402 single_brd[19D7] C387 CAP_0402 single_brd[19D7] C388 CAP_01005 single_brd[19D5] C389 CAP_0201-MUR single_brd[20B6] C390 CAP_0201-MUR single_brd[20B7] C391 CAP_0201-MUR single_brd[20A6] C392 CAP_01005 single_brd[20B5] C393 CAP_01005 single_brd[20A5] C394 CAP_0402-2 single_brd[19D5] C395 CAP_01005 single_brd[20C6] C396 CAP_0402-2 single_brd[19D5] C397 CAP_01005 single_brd[20A5] C398 CAP_01005 single_brd[12B2] C399 CAP_01005 single_brd[12B2] C400 CAP_01005 single_brd[20C5] C401 CAP_01005 single_brd[14A6] C402 CAP_01005 single_brd[12C3] C403 CAP_0201-MUR single_brd[20B6] C404 CAP_01005 single_brd[20B6] C405 CAP_01005 single_brd[14A6] C406 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] C411 CAP_0201-MUR single_brd[20C5] C412 CAP_01005 single_brd[10D5] C413 CAP_01005 single_brd[10D5] C414 CAP_0402-2 single_brd[10D5] C415 CAP_01005 single_brd[10D5] C416 CAP_01005 single_brd[10C5] C417 CAP_0201-MUR single_brd[10D4] 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_0402-1 single_brd[19D2] C438 CAP_01005 single_brd[19D2] C439 CAP_201 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 CAP_0201-MUR radio_mlb[29D7]single_brd[21] C502_RF CAP_0201-MUR radio_mlb[29D7]single_brd[21] 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radio_mlb[29A6]single_brd[21]				C113 CAP_01005 single_brd[4A7] C114 CAP_01005 single_brd[4A6] C115 CAP_0204 single_brd[5C6] C116 CAP_0201 single_brd[5B6] C117 CAP_01005 single_brd[4A5] C118 CAP_01005 single_brd[5A5] C119 CAP_0402-2 single_brd[4A5] C120 CAP_01005 single_brd[5C6] C121 CAP_0204 single_brd[5D6] C122 CAP_0610 single_brd[5C6] C123 CAP_0402-4 single_brd[13A1] C124 CAP_0204 single_brd[5C6] C125 CAP_0402 single_brd[13A1] C126 CAP_0402-2 single_brd[5C7] C127 CAP_0201 single_brd[16B6] C128 CAP_0201 single_brd[5B6] C129 CAP_0402 single_brd[18C2] C130 CAP_01005 single_brd[17C7] C131 CAP_0402 single_brd[13A2] C132 CAP_01005 single_brd[13B2] C133 CAP_0610 single_brd[5C7] C134 CAP_0204 single_brd[5C6] C135 CAP_0402-1 single_brd[13B1] C136 CAP_01005 single_brd[6C5] C137 CAP_201 single_brd[17B4] C138 CAP_01005 single_brd[10C2] C140 CAP_0402 single_brd[12C3] C141 CAP_0402-2 single_brd[5D3] C142 CAP_0402-2 single_brd[5D3] C143 CAP_01005 single_brd[10B2] C144 CAP_01005 single_brd[6C5] 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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_0402-2 single_brd[6D3] C183 CAP_0402-2 single_brd[6D3] C184 CAP_0402-2 single_brd[6D3] C185 CAP_0204 single_brd[6D3] C186 CAP_0204 single_brd[6D3] C187 CAP_0402-2 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 single_brd[10B2] 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_0603 radio_mlb[27C3]single_brd[21] C208 CAP_01005 single_brd[12B5] C208_RF CAP_0603 radio_mlb[27C3]single_brd[21] C209 CAP_0402-2 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_01005 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_0402 single_brd[17A6] C240 CAP_010																							

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