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GPIOS</td><td></td><td></td></tr><tr><td>24</td><td>24</td><td>SENSORS</td><td></td><td></td><td>69</td><td>69</td><td>TRANSCIEVER0/1: POWER</td><td></td><td></td></tr><tr><td>25</td><td>25</td><td>B2B FILTERS: UTAH</td><td></td><td></td><td>70</td><td>70</td><td>TRANSCIEVER0/1: TX PORTS</td><td></td><td></td></tr><tr><td>26</td><td>26</td><td>CAMERA:STROBE DRIVER</td><td></td><td></td><td>71</td><td>71</td><td>TRANSCIEVER0/1: PRX PORTS</td><td><SYNC_MASTER71></td><td><SYNC_DATE71></td></tr><tr><td>27</td><td>27</td><td>Accessory: Buck Circuit</td><td></td><td><SYNC_DATE27></td><td>72</td><td>72</td><td>RECEIVE MATCHING</td><td><SYNC_MASTER72></td><td><SYNC_DATE72></td></tr><tr><td>28</td><td>28</td><td>TRINITY:FF SPECIFIC</td><td></td><td></td><td>73</td><td>73</td><td>LOWER ANTENNA & COUPLERS</td><td><SYNC_MASTER73></td><td><SYNC_DATE73></td></tr><tr><td>29</td><td>29</td><td>B2B:FOREHEAD</td><td></td><td></td><td>74</td><td>74</td><td>DIVERSITY RECEIVE 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FLEX</td><td></td><td></td><td></td><td><CSA_PAGE86></td><td></td><td><SYNC_MASTER86></td><td><SYNC_DATE86></td></tr><tr><td>42</td><td>42</td><td>spare</td><td></td><td></td><td></td><td><CSA_PAGE87></td><td></td><td><SYNC_MASTER87></td><td><SYNC_DATE87></td></tr><tr><td>43</td><td>43</td><td>spare</td><td></td><td></td><td></td><td><CSA_PAGE88></td><td></td><td><SYNC_MASTER88></td><td><SYNC_DATE88></td></tr><tr><td>44</td><td>44</td><td>B2B FILTERS: RIGHT BUTTON FLEX</td><td></td><td></td><td></td><td><CSA_PAGE89></td><td></td><td><SYNC_MASTER89></td><td><SYNC_DATE89></td></tr><tr><td>45</td><td>45</td><td>B2B FF SPECIFIC</td><td></td><td></td><td></td><td><CSA_PAGE90></td><td></td><td><SYNC_MASTER90></td><td><SYNC_DATE90></td></tr></table>																PAGE	<CSA>	CONTENTS	SYNC	DATE	PAGE	<CSA>	CONTENTS	SYNC	DATE	1	1	TABLE OF CONTENTS	<SYNC_MASTER1>	<SYNC_DATE1>	46	46	LARGE FORM FACTOR SPECIFIC		<SYNC_DATE46>	2	2	SYSTEM:BOM TABLES	<SYNC_MASTER2>	<SYNC_DATE2>	47	47	I2C MAP: AP, 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CLOCKS			20	20	SYSTEM POWER:PMU (3/3)			65	65	PMU: SWITCHERS AND LDOS			21	21	SYSTEM POWER:CHARGER			66	66	BASEBAND: POWER2			22	22	SYSTEM POWER:BATTERY CONN			67	67	BASEBAND: CONTROL			23	23	SYSTEM POWER:BOOST			68	68	BASEBAND GPIOS			24	24	SENSORS			69	69	TRANSCIEVER0/1: POWER			25	25	B2B FILTERS: UTAH			70	70	TRANSCIEVER0/1: TX PORTS			26	26	CAMERA:STROBE DRIVER			71	71	TRANSCIEVER0/1: PRX PORTS	<SYNC_MASTER71>	<SYNC_DATE71>	27	27	Accessory: Buck Circuit		<SYNC_DATE27>	72	72	RECEIVE MATCHING	<SYNC_MASTER72>	<SYNC_DATE72>	28	28	TRINITY:FF SPECIFIC			73	73	LOWER ANTENNA & COUPLERS	<SYNC_MASTER73>	<SYNC_DATE73>	29	29	B2B:FOREHEAD			74	74	DIVERSITY RECEIVE ASM'S	<SYNC_MASTER74>	<SYNC_DATE74>	30	30	B2B:NEVADA		<SYNC_DATE30>	75	75	DIVERSITY RECEIVE LNA'S	d		31	31	AUDIO:CALTRA CODEC (1/2)			76	76	UPPER ANTENNA FEEDS			32	32	AUDIO:CALTRA CODEC (2/2)			77	77	PMU: ET MODULATOR			33	33	AUDIO:SPEAKER AMP 2			78	<CSA_PAGE78>	TEST POINTS & BOOT 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25	25	B2B FILTERS: UTAH			70	70	TRANSCIEVER0/1: TX PORTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
26	26	CAMERA:STROBE DRIVER			71	71	TRANSCIEVER0/1: PRX PORTS	<SYNC_MASTER71>	<SYNC_DATE71>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
27	27	Accessory: Buck Circuit		<SYNC_DATE27>	72	72	RECEIVE MATCHING	<SYNC_MASTER72>	<SYNC_DATE72>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
28	28	TRINITY:FF SPECIFIC			73	73	LOWER ANTENNA & COUPLERS	<SYNC_MASTER73>	<SYNC_DATE73>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
29	29	B2B:FOREHEAD			74	74	DIVERSITY RECEIVE ASM'S	<SYNC_MASTER74>	<SYNC_DATE74>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
30	30	B2B:NEVADA		<SYNC_DATE30>	75	75	DIVERSITY RECEIVE LNA'S	d																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
31	31	AUDIO:CALTRA CODEC (1/2)			76	76	UPPER ANTENNA FEEDS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
32	32	AUDIO:CALTRA CODEC (2/2)			77	77	PMU: ET MODULATOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
33	33	AUDIO:SPEAKER AMP 2			78	<CSA_PAGE78>	TEST POINTS & BOOT CONFIG	<SYNC_MASTER78>	<SYNC_DATE78>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
34	34	AUDIO:SPEAKER AMP 1			79	<CSA_PAGE79>	TDD TRANSMIT	<SYNC_MASTER79>	<SYNC_DATE79>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
35	35	ARC:DRIVER			80	<CSA_PAGE80>	FDD TRANSMIT	<SYNC_MASTER80>	<SYNC_DATE80>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
36	36	ARC:MAGGIE			81	<CSA_PAGE81>	ICEFALL, SIM, DEBUG_CONN	<SYNC_MASTER81>	<SYNC_DATE81>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
37	37	DISPLAY & MESA:POWER				<CSA_PAGE82>		<SYNC_MASTER82>	<SYNC_DATE82>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
38	38	B2B:ORB & MESA				<CSA_PAGE83>		<SYNC_MASTER83>	<SYNC_DATE83>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
39	39	B2B FILTERS: DISPLAY & TOUCH				<CSA_PAGE84>		<SYNC_MASTER84>	<SYNC_DATE84>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
40	40	TRISTAR 2				<CSA_PAGE85>		<SYNC_MASTER85>	<SYNC_DATE85>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
41	41	B2B:DOCK FLEX				<CSA_PAGE86>		<SYNC_MASTER86>	<SYNC_DATE86>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
42	42	spare				<CSA_PAGE87>		<SYNC_MASTER87>	<SYNC_DATE87>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
43	43	spare				<CSA_PAGE88>		<SYNC_MASTER88>	<SYNC_DATE88>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
44	44	B2B FILTERS: RIGHT BUTTON FLEX				<CSA_PAGE89>		<SYNC_MASTER89>	<SYNC_DATE89>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45	45	B2B FF SPECIFIC				<CSA_PAGE90>		<SYNC_MASTER90>	<SYNC_DATE90>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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NAND BOM Options

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
335S00169	1	NAND, 8,32GB,16nm,MLC	U1701	CRITICAL	NAND_32G
335S00182	1	NAND, 8,128GB,16nm,TLC	U1701	CRITICAL	NAND_128G
335S00183	1	NAND, 7,256GB,3Dv3,TLC	U1701	CRITICAL	NAND_256G
138S0867	5	CAP,X5R,150P,20V,6.3V,0.45MM,WR2TL,0402	C1748,C1713,C1716,C1721,C1733	CRITICAL	NAND_32G
138S00003	5	CAP,X5R,150P,20V,6.3V,0.45MM,WR2TL,0402	C1748,C1713,C1716,C1721,C1733	CRITICAL	NAND_128G
138S00003	5	CAP,X5R,150P,20V,6.3V,0.45MM,WR2TL,0402	C1748,C1713,C1716,C1721,C1733	CRITICAL	NAND_256G

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S00201	335S00169	ALTERNATE	U1701	T,15nm,MLC,32GB
335S00209	335S00169	ALTERNATE	U1701	S,16nm,MLC,32GB
335S00195	335S00182	ALTERNATE	U1701	SS,1Ynm,TLC,128GB
335S00180	335S00182	ALTERNATE	U1701	T,15nm,TLC,128GB
335S00179	335S00182	ALTERNATE	U1701	SD,15nm,TLC,128GB
335S00148	335S00183	ALTERNATE	U1701	SD,3Dv2,TLC,256GB
335S00190	335S00183	ALTERNATE	U1701	SS,3Dv3,TLC,256GB

#22686038-See Radar

Magnesium Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
338S00173	338S00203	ALTERNATE	U2402	Larger Mafar (-20 Flaw) Magnesium

UT LDO Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S00889	353S00015	ALTERNATE	U2501	UT, 100 mΩ, 2.92V, CDP 0.65uA-0.5

Mamba LDO Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S00932	353S00576	ALTERNATE	U3801	UT, 100 mΩ, 2.7V

I2C5 Alternate

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S00234	335S00233	ALTERNATE	U1101	I2C5 ALTERNATE

Active Diode Alternate

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
376S00106	376S00047	ALTERNATE	Q2101	DIODES INC. ACT DIODE

DDR PLL Alternate

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
155S00095	155S00068	ALTERNATE	FL1501	PMU BD, 1000M, 2V, 100M, 200M, 400M

Power Inductor Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
152S00118	152S00075	ALTERNATE	ALL	IND,PMU,BEOL,1.2 10K,3.33A,0.545 OHM,2014
152S00077	152S00397	ALTERNATE	ALL	IND,PMU,BEOL,1.2 10K,3.33A,0.514 OHM,2014
152S00121	152S00081	ALTERNATE	ALL	IND,PMU,BEOL,1.47 10K,3.3A,0.544 OHM,2012
152S00123	152S1936	ALTERNATE	ALL	IND,PMU,BEOL,1X 10K,3.33A,0.545 OHM,2015
152S00402	152S00366	ALTERNATE	ALL	IND,BEOL,100K,1.2A,0.335 OHM,2013
152S00297	152S1843	ALTERNATE	ALL	CINTEC 2012 10K
152S00365	152S00297	ALTERNATE	ALL	CINTEC 2012 10K
152S00398	152S00204	ALTERNATE	ALL	IND,PMU,0.100K,10V,4.7H,2300OH,2012
152S00120	152S00077	ALTERNATE	ALL	For Chestnut Inductor only
152S00117	152S00074	ALTERNATE	ALL	IND,PMU,BEOL,1.0 10K,3.33A,0.545 OHM,2014

updated 11/12

updated 11/12

reverted 11/13

For Chestnut inductor/ so it doesn't interfere with PMU inducotr Buck 7 alts

Racepoint BUCKS LX (BUCKS LX is Taiyo only)

Global R/C Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
118S0764	118S0717	ALTERNATE	ALL	RES, 3.92K, 0.1%, 0201
138S0702	138S0657	ALTERNATE	ALL	CAP,X5R, 4.7UF, 4V, 0610
138S00006	138S0835	ALTERNATE	ALL	CAP, 3.75MM, 4.7UF, 4V, 0402
138S0648	138S0652	ALTERNATE	ALL	CAP,X5R,4.70F,4.7V,0.45MM,0402,76150
132S0400	132S0436	ALTERNATE	ALL	CAP,X5R,0.220F,4.7V,0.0105,70K
138S00024	138S0986	ALTERNATE	ALL	CAP,20K,0.0004,1.0V,0V,0V,0402,76150,70K
138S0706	138S0739	ALTERNATE	ALL	CAP,X5R,10P,20V,6.3V,0.45MM,0402,76150A
138S0945	138S0739	ALTERNATE	ALL	CAP,X5R,10P,20V,6.3V,0.45MM,0402,76150A
132S0436	132S0400	ALTERNATE	ALL	CAP,X5R,0.22F,4.7V,0.0105,70K,20K

Global Ferrite Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
155S00067	155S0581	ALTERNATE	ALL	FERR, 2400OH, 0.380OH DCM, 0201
155S0581	155S00067	ALTERNATE	ALL	FERR, 2400OH, 0.380OH DCM, 0201
155S00012	155S00168	ALTERNATE	ALL	FLTR, 65 OHMS, 0605
155S00194	155S0610	ALTERNATE	ALL	FERR BD, 1500OH, TDK
155S00200	155S0610	ALTERNATE	ALL	FERR BD, 1500OH, TY
152S00489	152S00456	ALTERNATE	ALL	FERR BD, 0.470H, TY

Global Varistor Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
377S0168	377S0140	ALTERNATE	ALL	VARSISTOR, 6.0V, 100PF, 01005

Acc Buck Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
371S00087	371S00064	ALTERNATE	D2700	D100K,SHOOTKEY,30V,200MA,0201
152S00558	152S00557	ALTERNATE	L2700	IND,MLC,0.470H,2.5A,80mOhm,1608
376S00166	376S00164	ALTERNATE	Q2700,Q2701	MPPT,12V,C904

Load Switch OMIT TABLE

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
353S01007	1	CHNSEM1, 1C, LOAD, SWITCH, MLCSP4	U2710,NPCSM_RF	CRITICAL	


N&V 15uF Cap Alternates

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
138S00005	138S00003	ALTERNATE	01010, 01011, 01011	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01017, 01042, 01044	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01019, 01044, 01043	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01019, 01041, 01041	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01041, 01041, 01041	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01011, 01040, 01047	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01011, 01040, 01040	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01014, 01041, 01040	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01014, 01041, 01041	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00005	138S00003	ALTERNATE	01040, 01043	CAP,X5R,150P,4.7V,0.45MM,0402,TY
138S00048	138S00003	ALTERNATE	ALL	CAP,X5R,150P,4.7V,0.45MM,0402,8710200A

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D11 EEEE CALLOUTS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
825-6838	1	EEEE CODE FOR 639-01812	EEEE_GY2T	CRITICAL	EEEE_D11_BEST_UP
825-6838	1	EEEE CODE FOR 639-01813	EEEE_GY2V	CRITICAL	EEEE_D11_SUPRME_UP
825-6838	1	EEEE CODE FOR 639-01814	EEEE_GY2W	CRITICAL	EEEE_D11_EXTRME_UP
825-6838	1	EEEE CODE FOR 639-02118	EEEE_H3RW	CRITICAL	EEEE_D11_BEST_ROW
825-6838	1	EEEE CODE FOR 639-02139	EEEE_H3RP	CRITICAL	EEEE_D11_SUPRME_ROW
825-6838	1	EEEE CODE FOR 639-02140	EEEE_H3RQ	CRITICAL	EEEE_D11_EXTRME_ROW
825-6838	1	EEEE CODE FOR 639-02460	EEEE_H8CL	CRITICAL	EEEE_D11_BEST_CH
825-6838	1	EEEE CODE FOR 639-02465	EEEE_H8CK	CRITICAL	EEEE_D11_SUPRME_CH
825-6838	1	EEEE CODE FOR 639-02462	EEEE_H8C3	CRITICAL	EEEE_D11_EXTRME_CH

CAYMAN DDR Alternates

339S00258	339S00257	ALTERNATE	ALL	DDR-S, 3G, B1

CAYMAN OMIT TABLE

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
339S00257	1	CAYMAN, DDR-S, 3G, B1	U0700	CRITICAL	

2.2uF CAP Alts

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
138S00049	138S00032	ALTERNATE	ALL	CAP-050-330-2-22P-2000-3V-20V, E10000A
138S0831	138S00032	ALTERNATE	ALL	CAP-050-330-2-22P-200-6-3V-20V-00000A

SIP Alternates


PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
339M00009	339M00003	ALTERNATE	ALL	TRINITY BLUE,STATS
339M00008	339M00002	ALTERNATE	ALL	NEO,STATS

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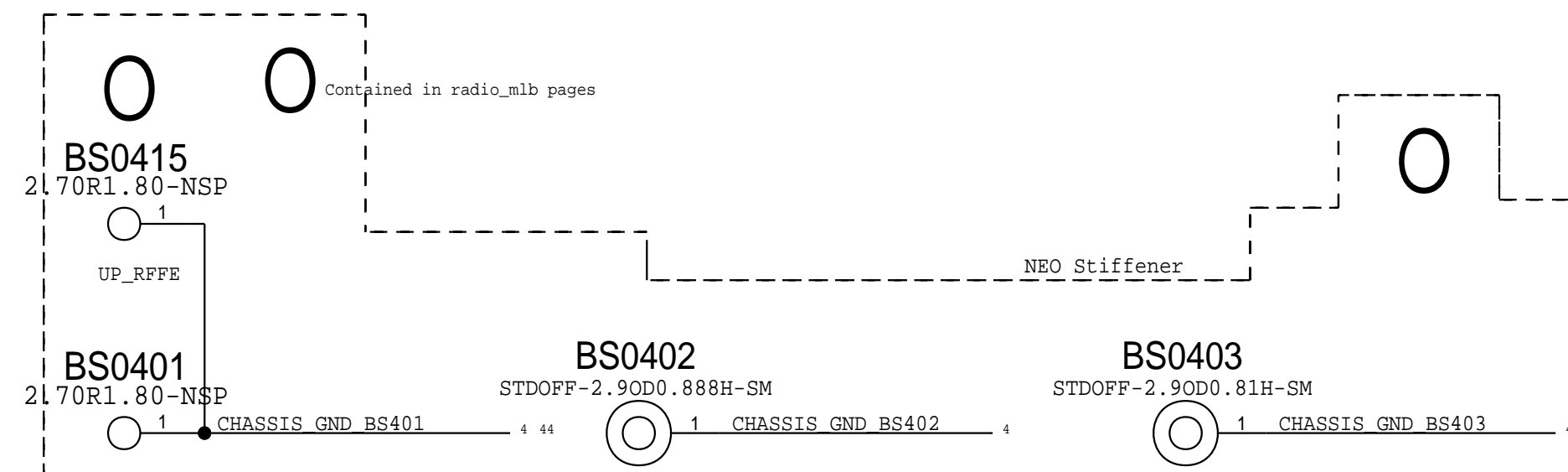
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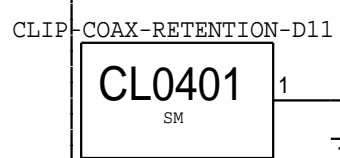
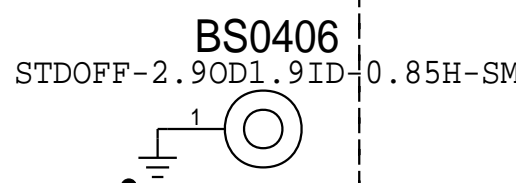
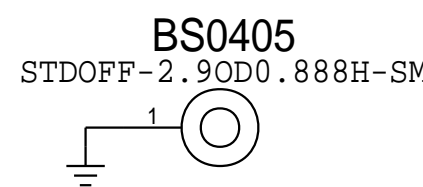
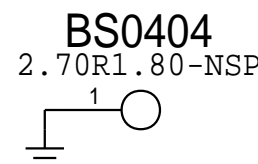
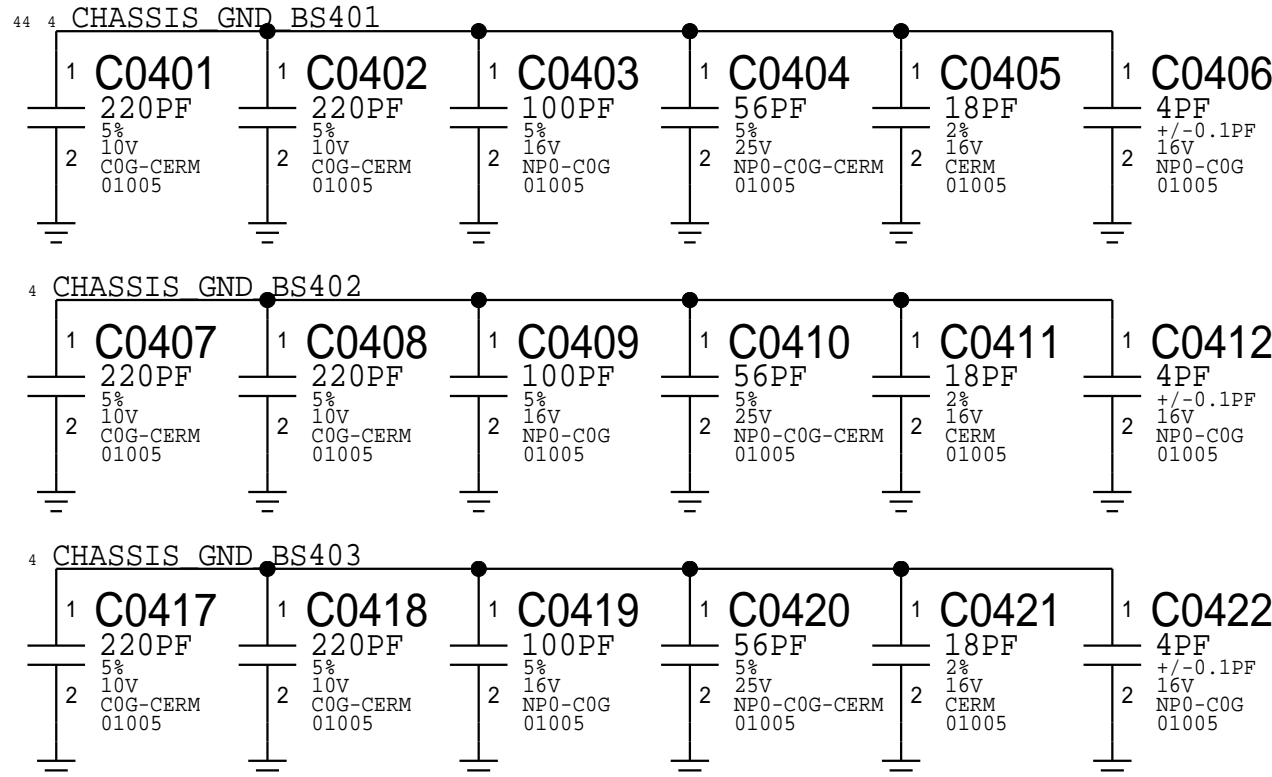
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SIZE
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Current as of D11 MCO 056-01585 rev. 63

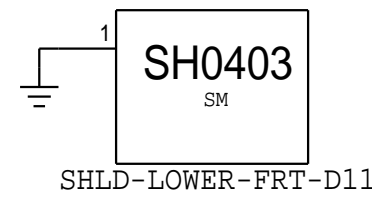
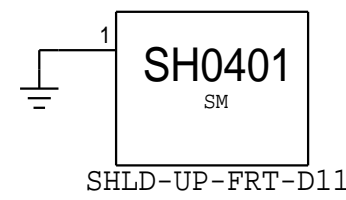


PTH per Rev63 for 1.8mm Drill

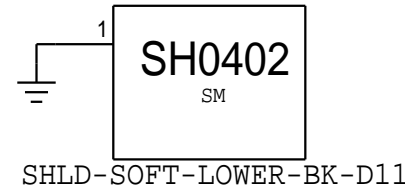
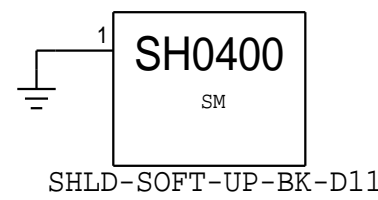


NORTH_SCREW_EXPOSED

Front Shields

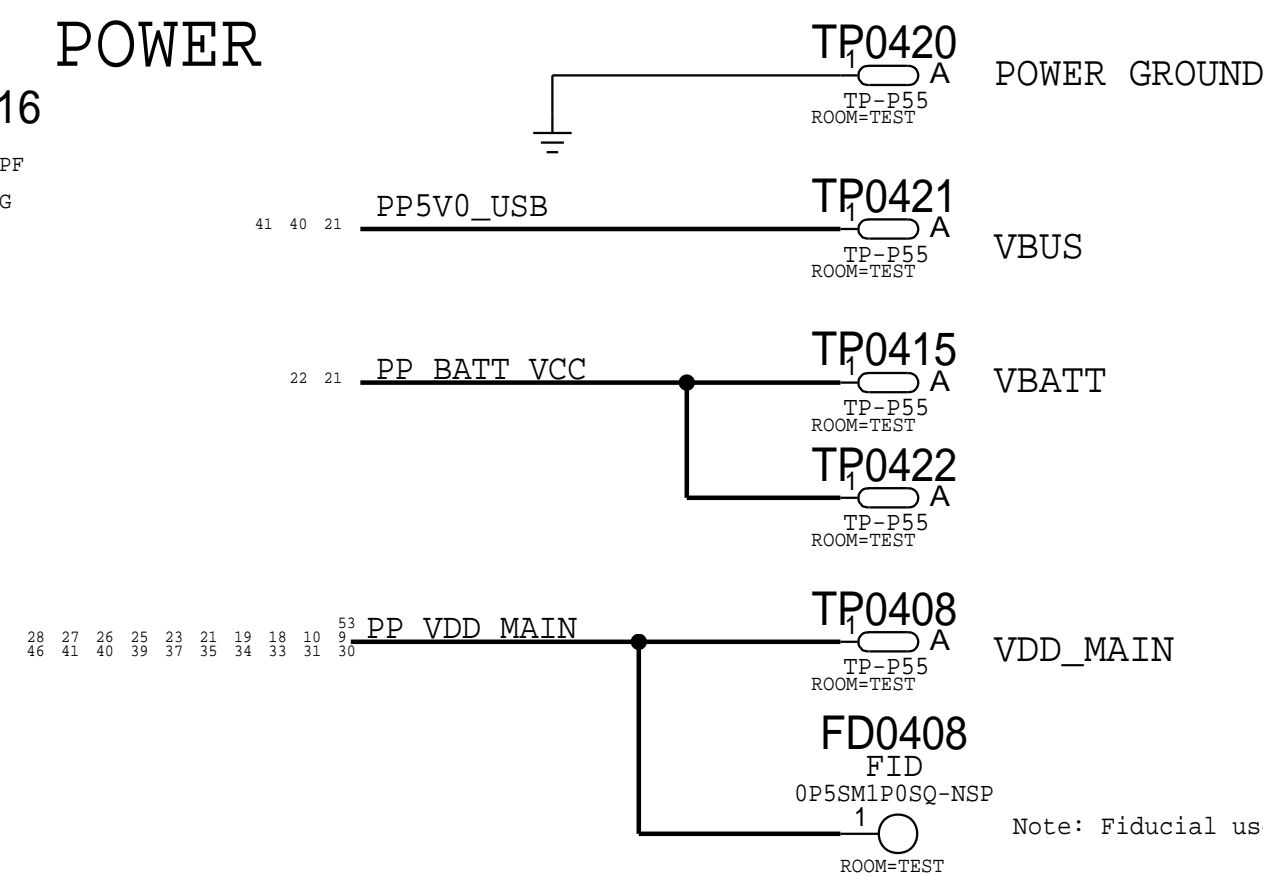


Back Shields

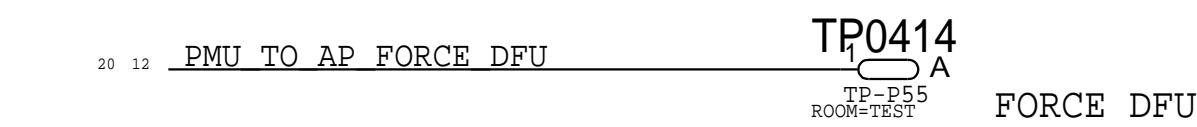


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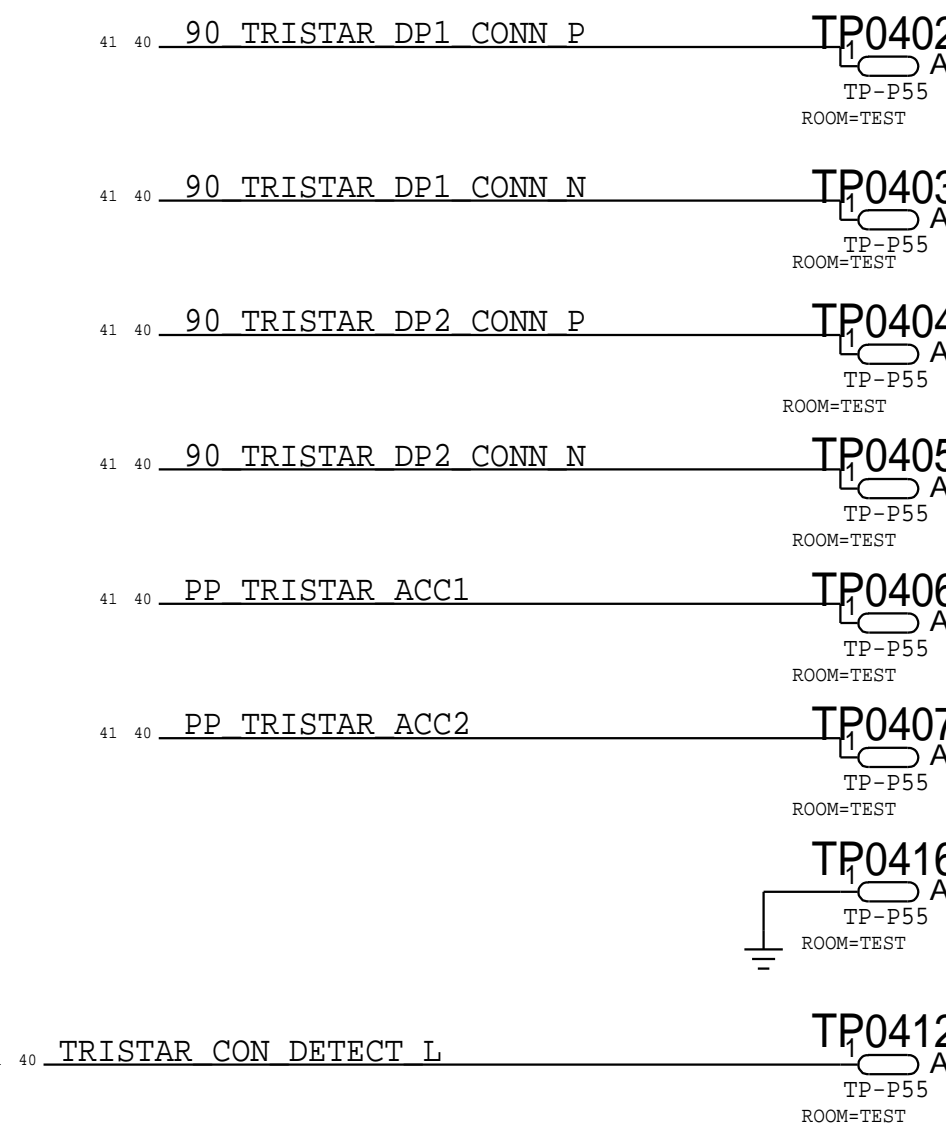
POWER



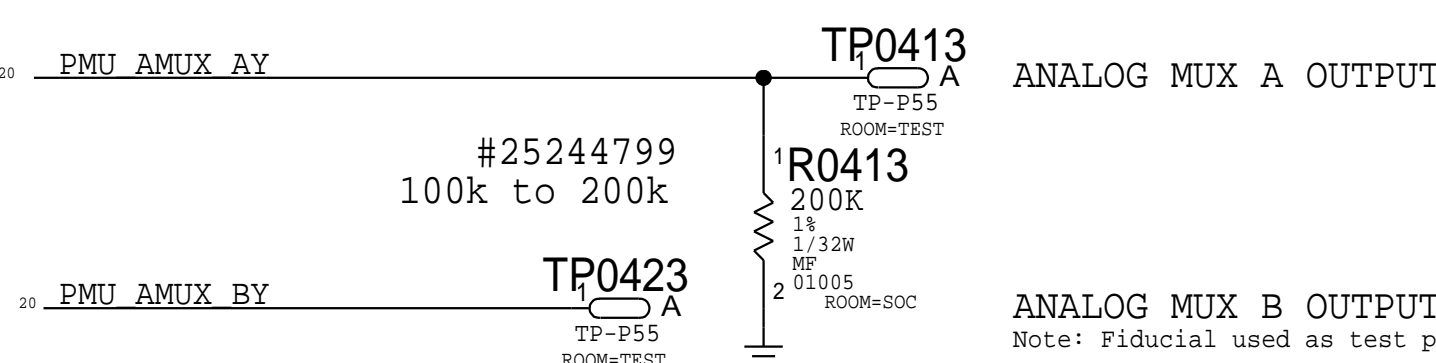
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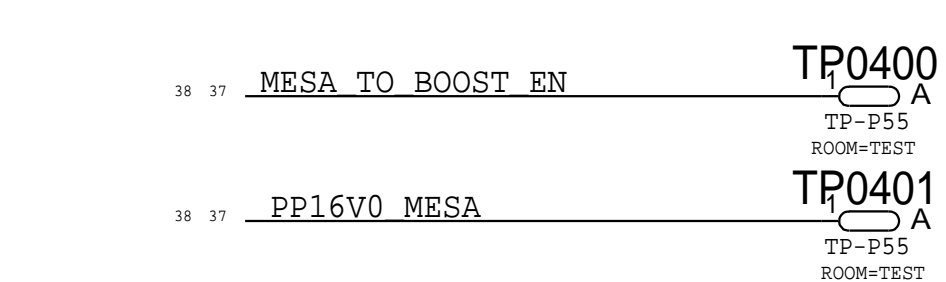
E75



AMUX



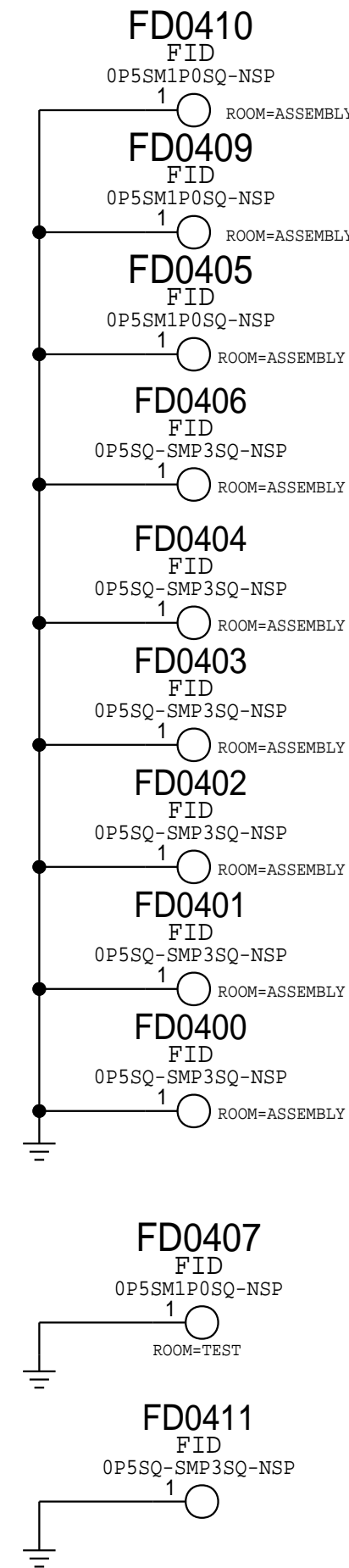
MOJAVE




LCM

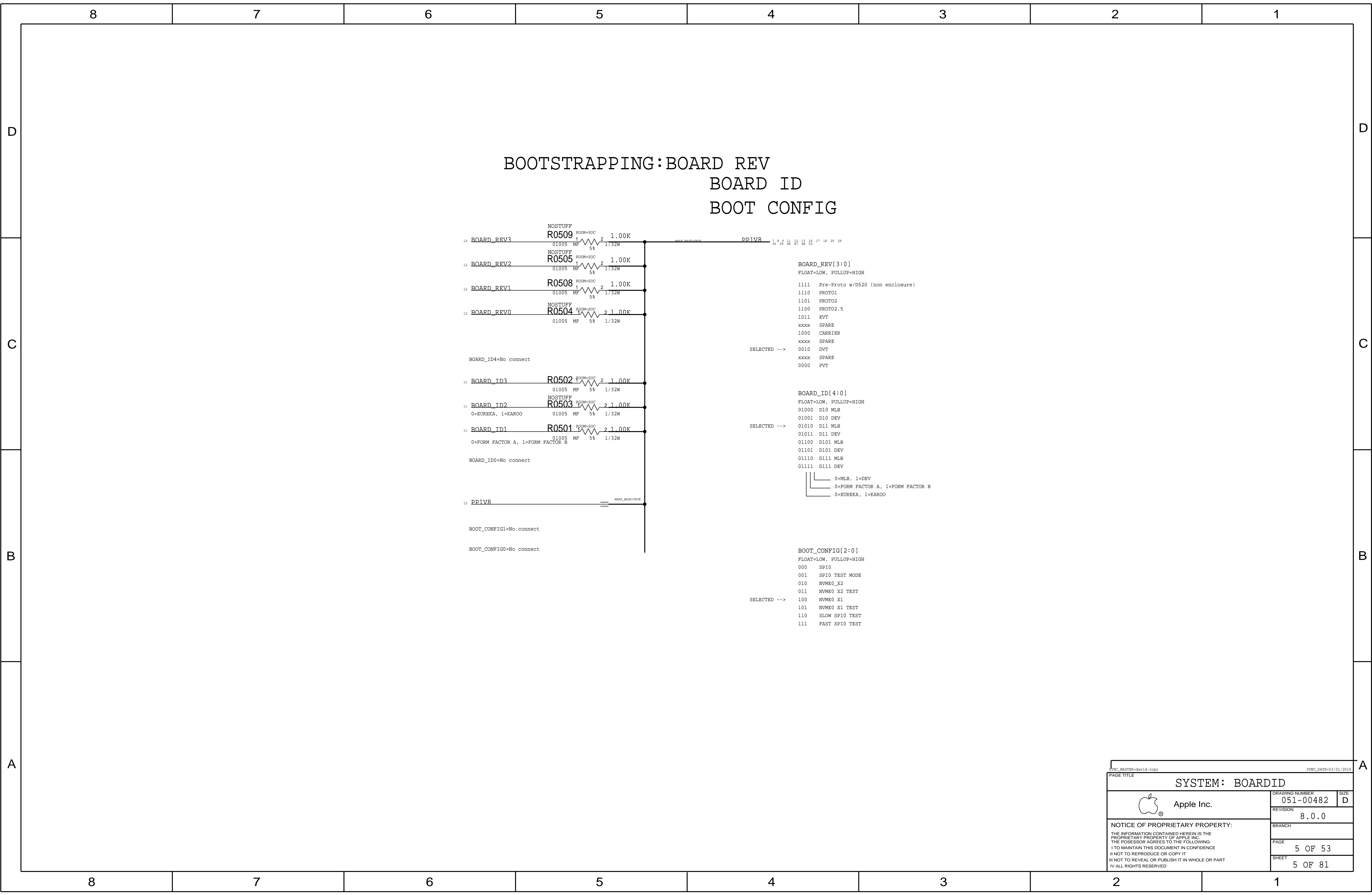


FIDUCIALS





TOP SIDE

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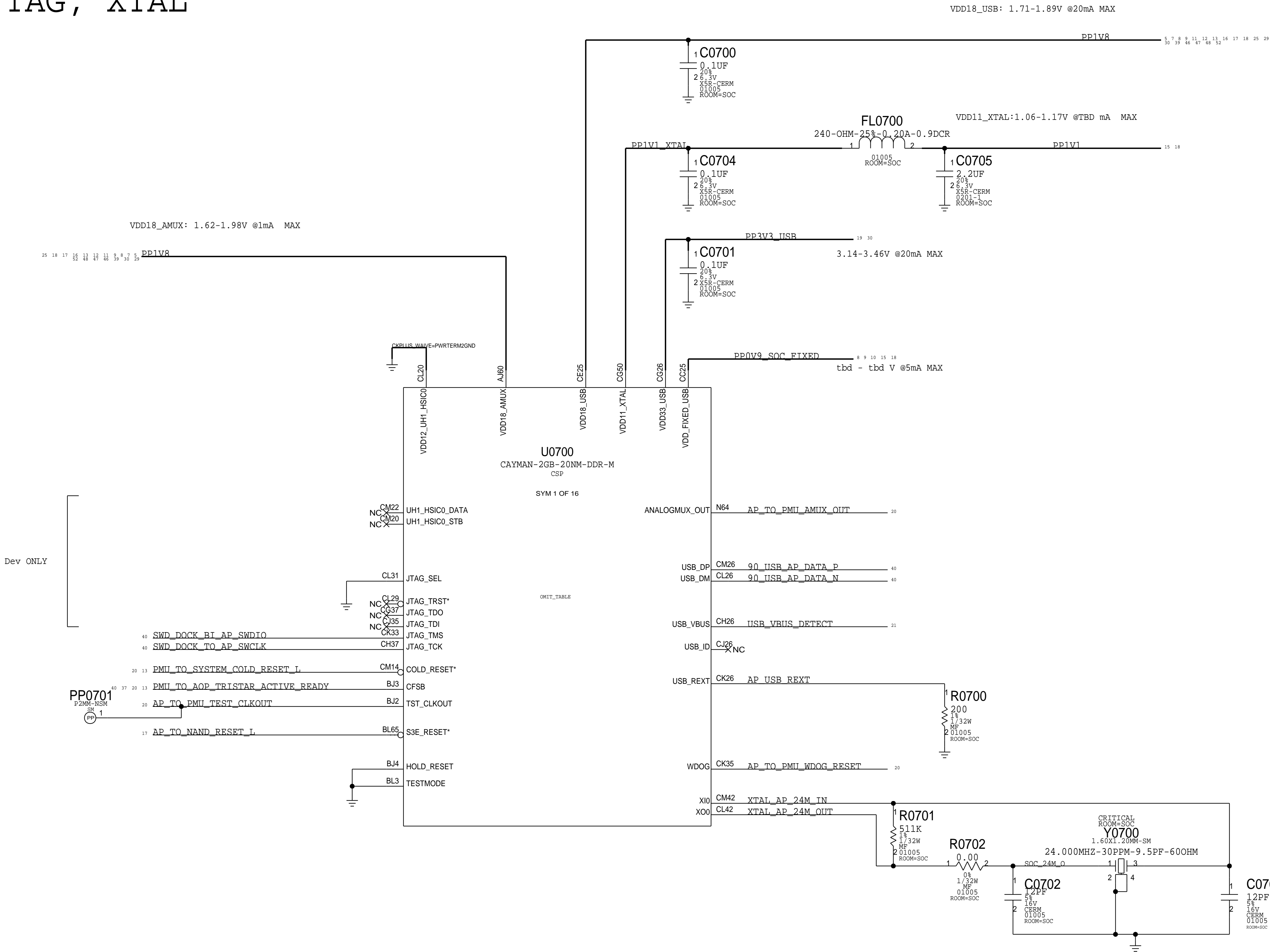


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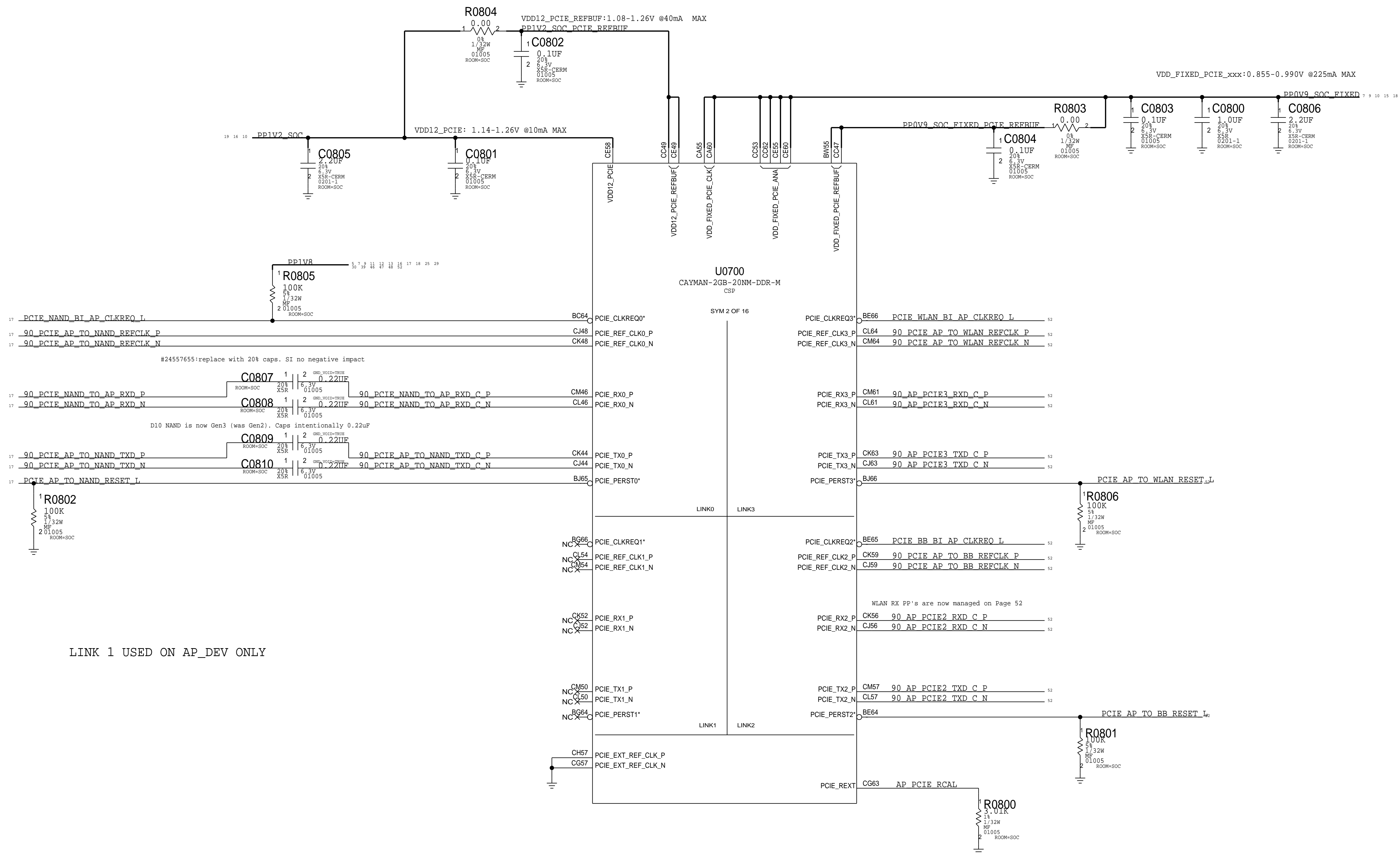
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SOC - USB, JTAG, XTAL



SOC - PCIE INTERFACES



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			SHEET		8 OF 81	

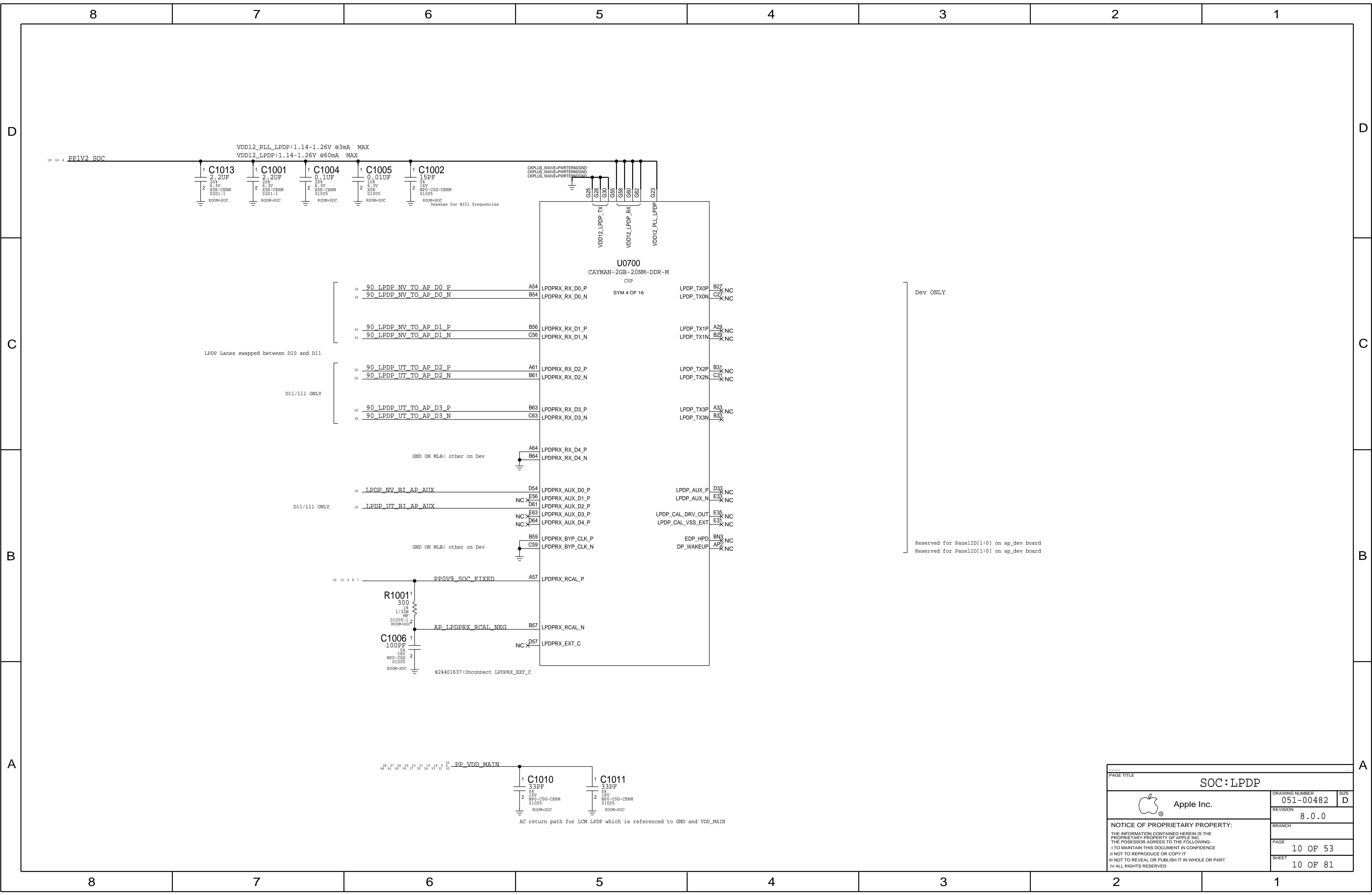
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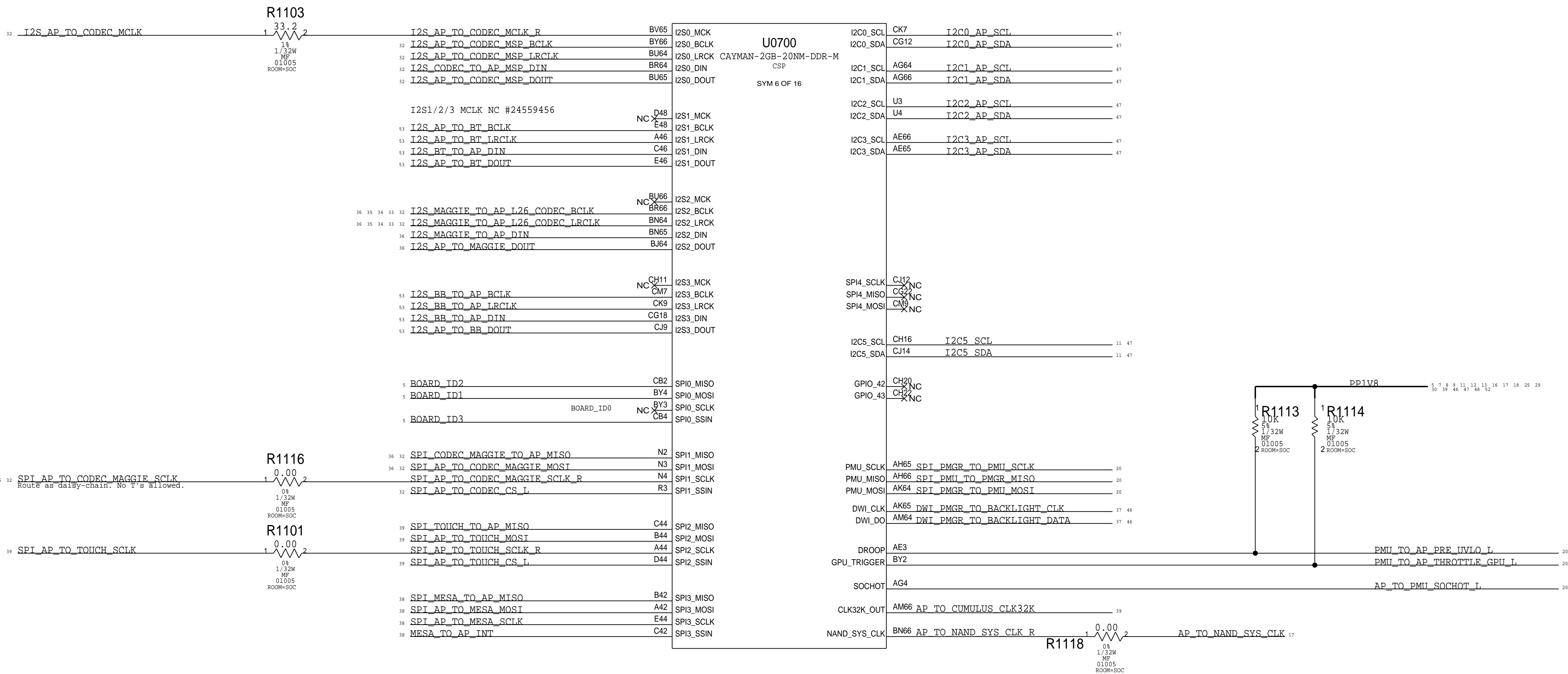
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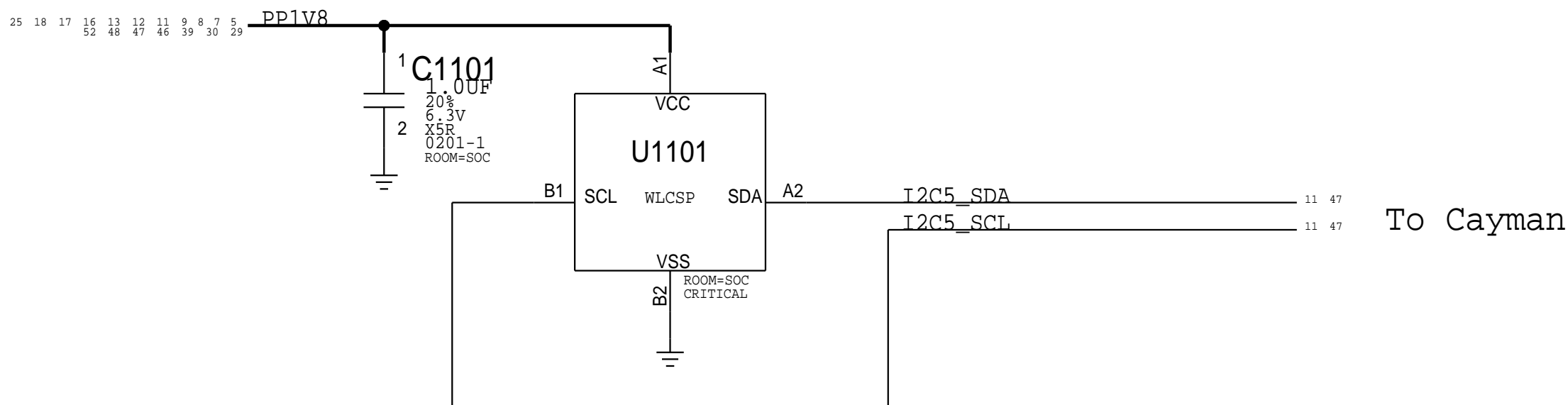
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SOC - SERIAL INTERFACES



I2C5
See Radar#25316444 for Details



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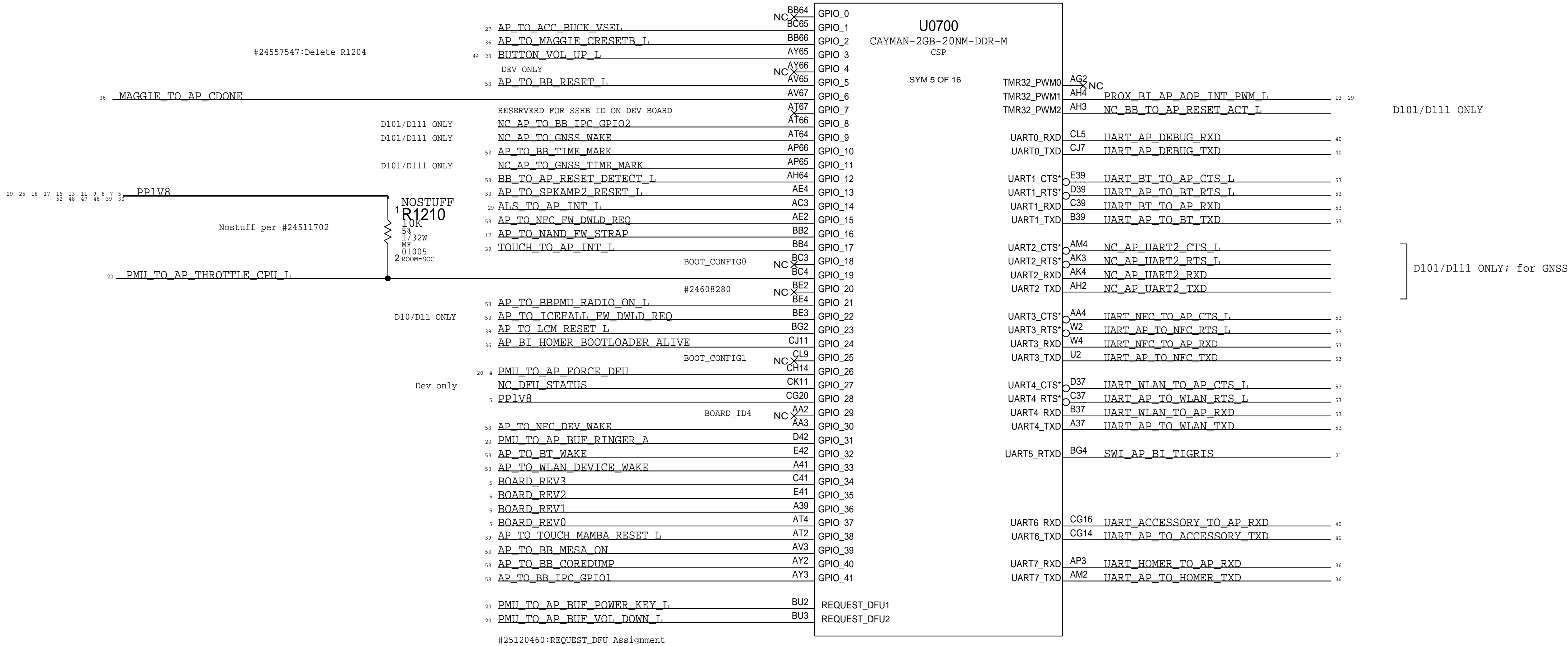
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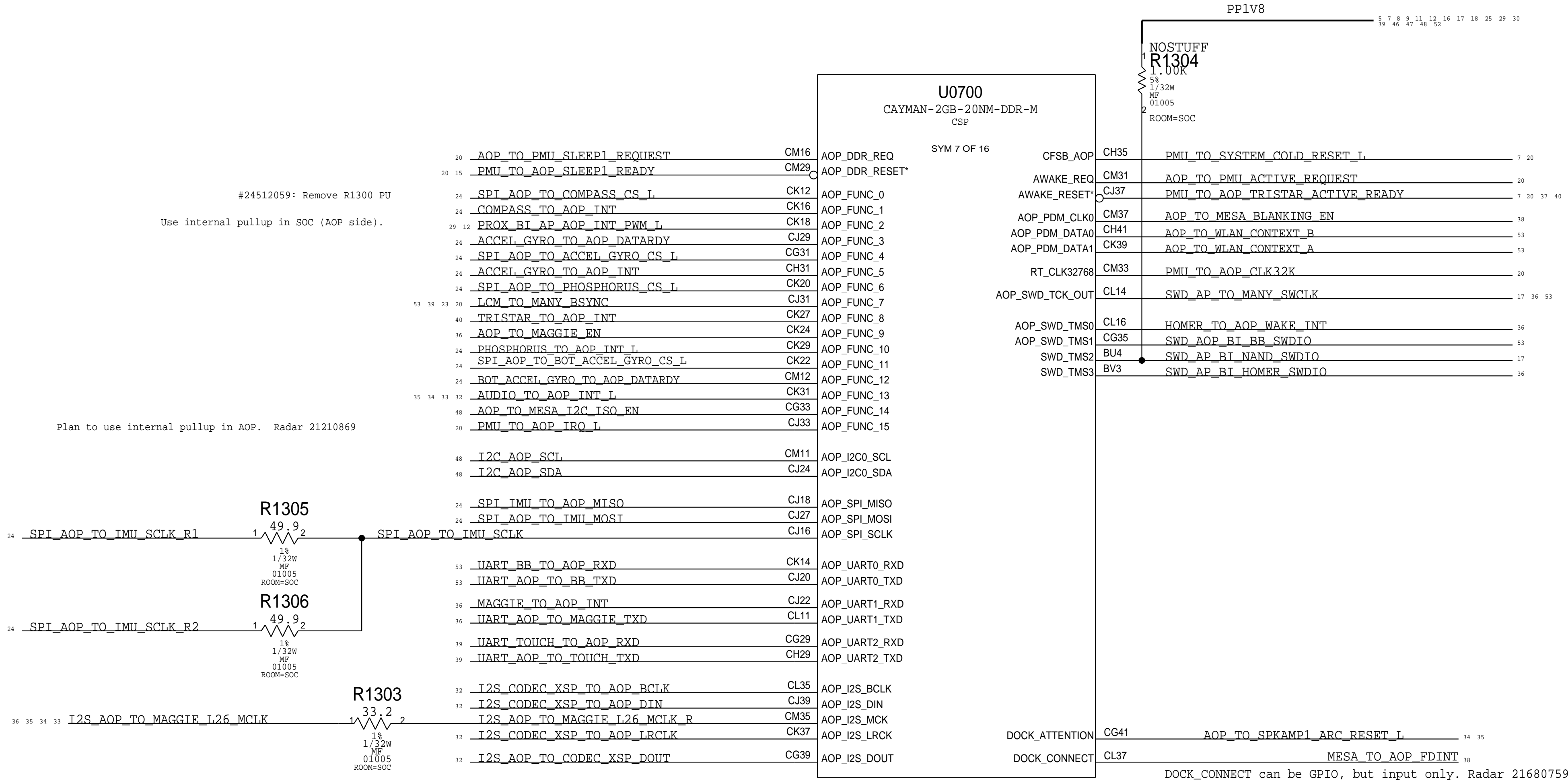
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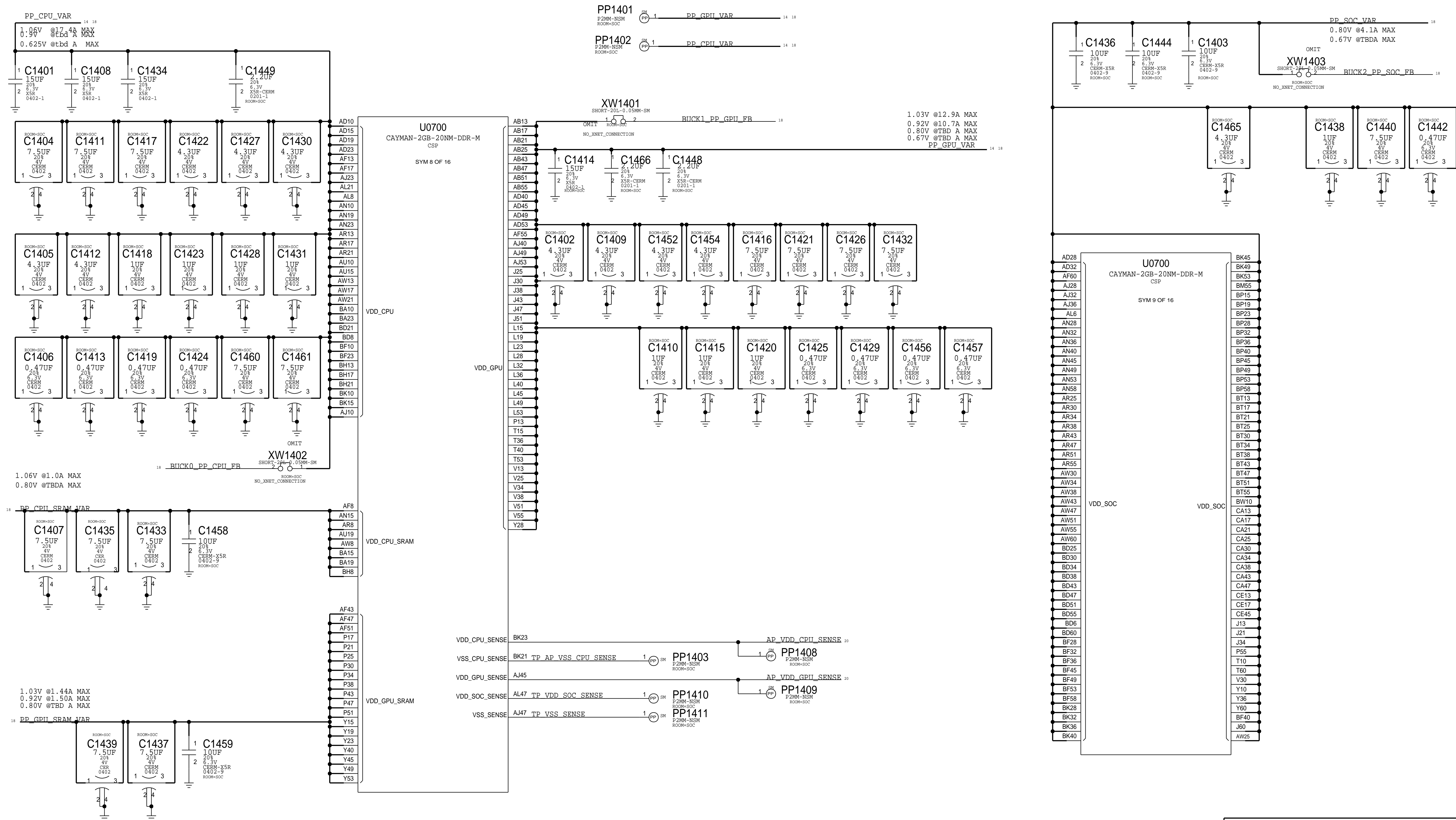
SOC - GPIO INTERFACES



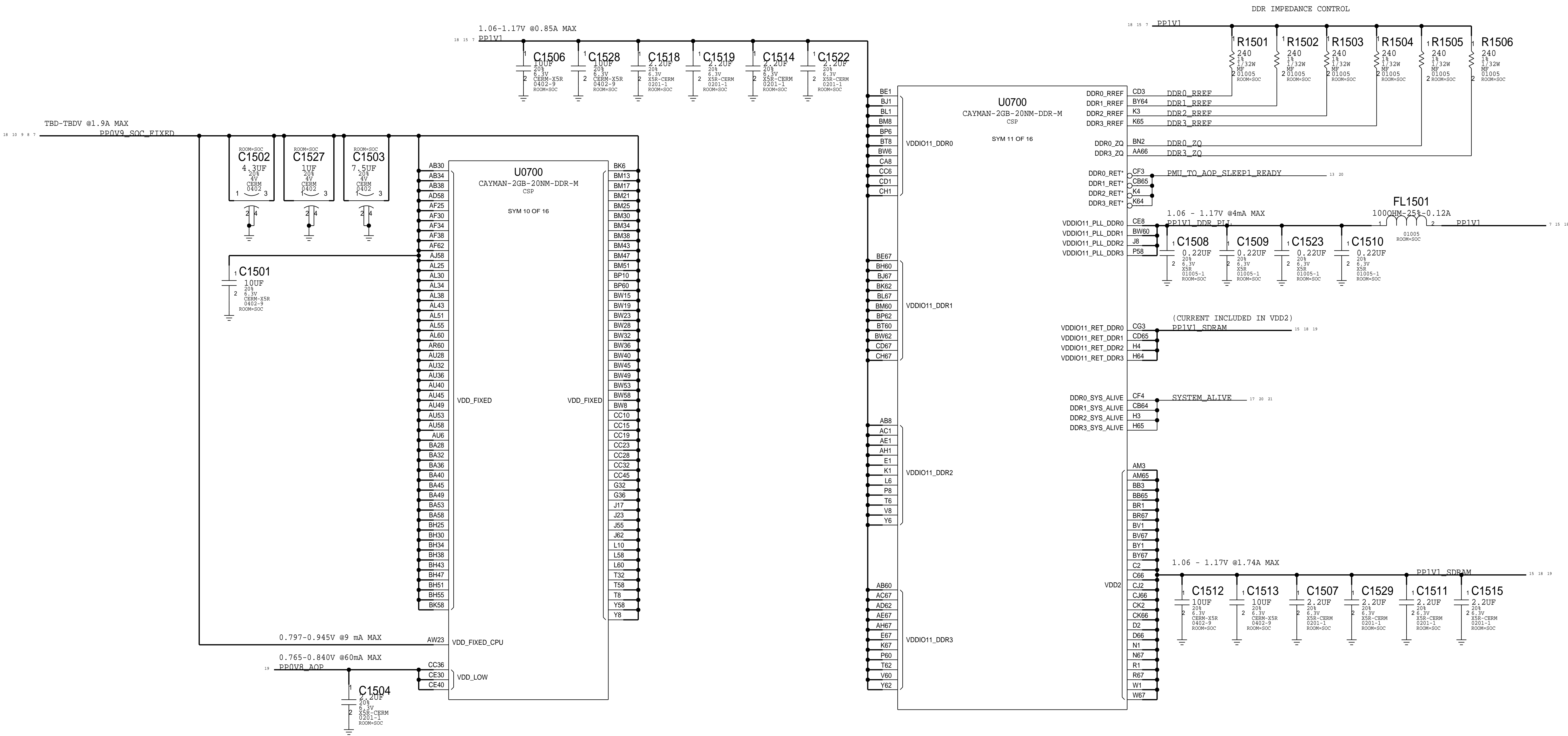
SOC - AOP



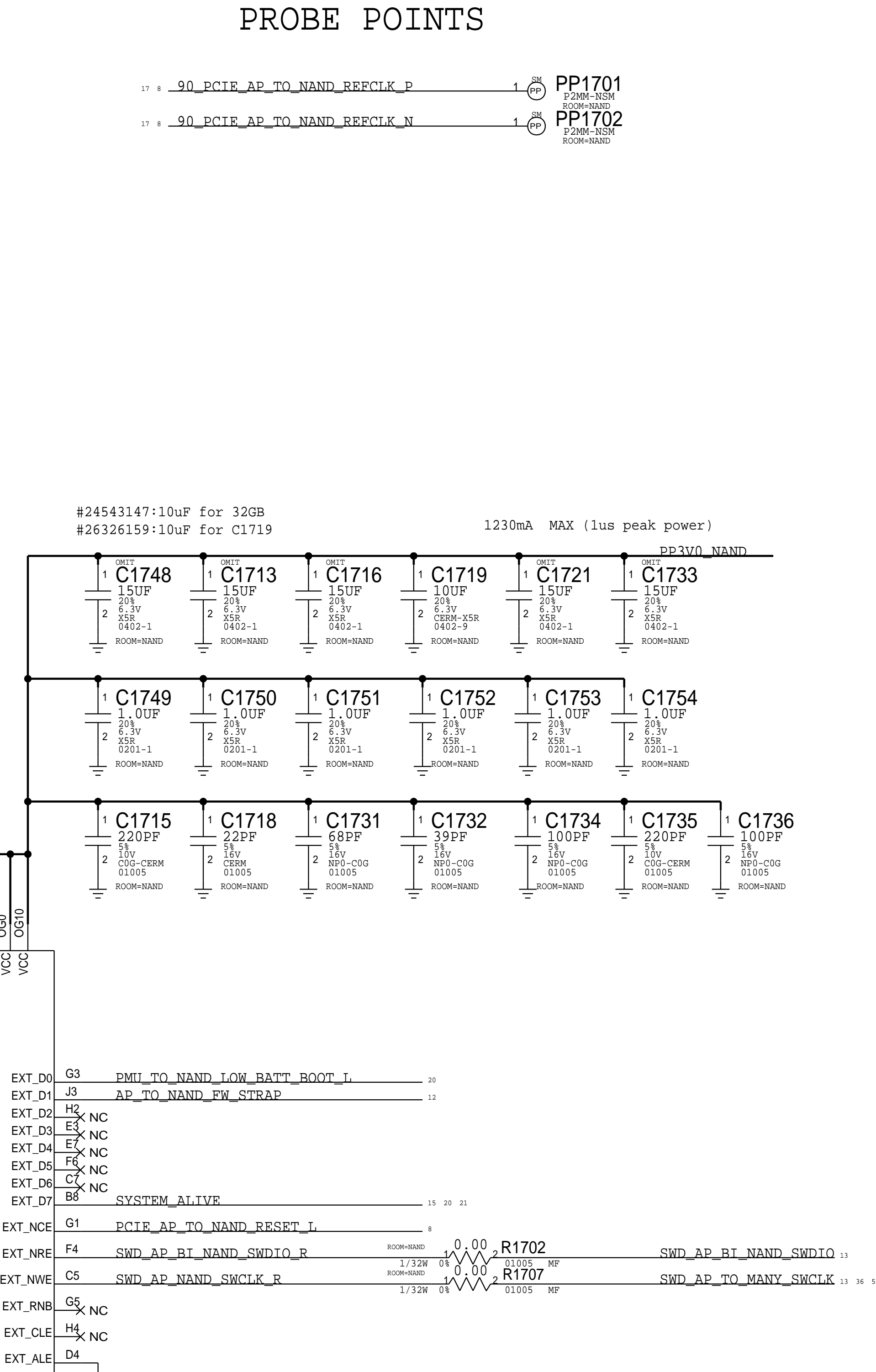
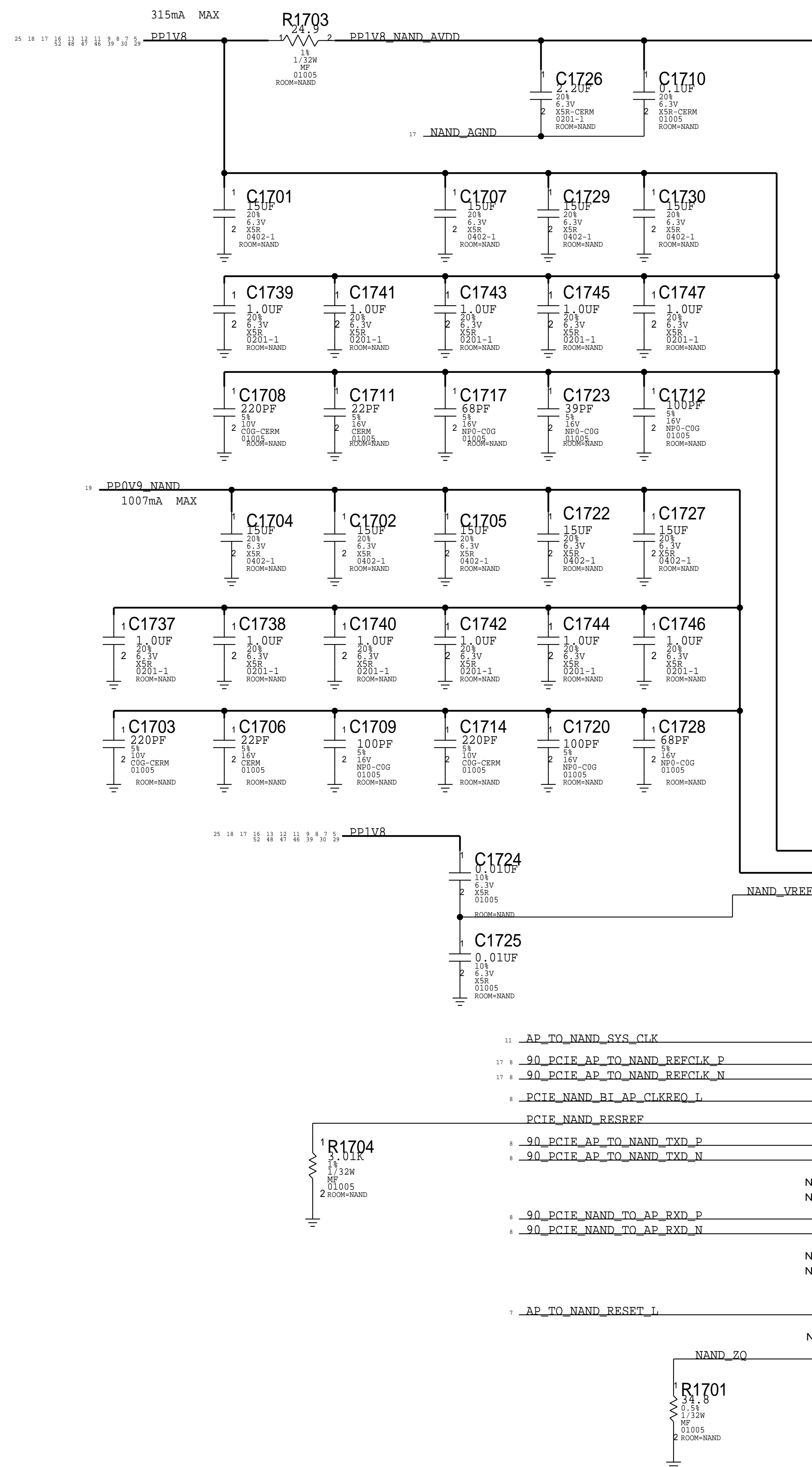
SOC - CPU, GPU & SOC RAILS




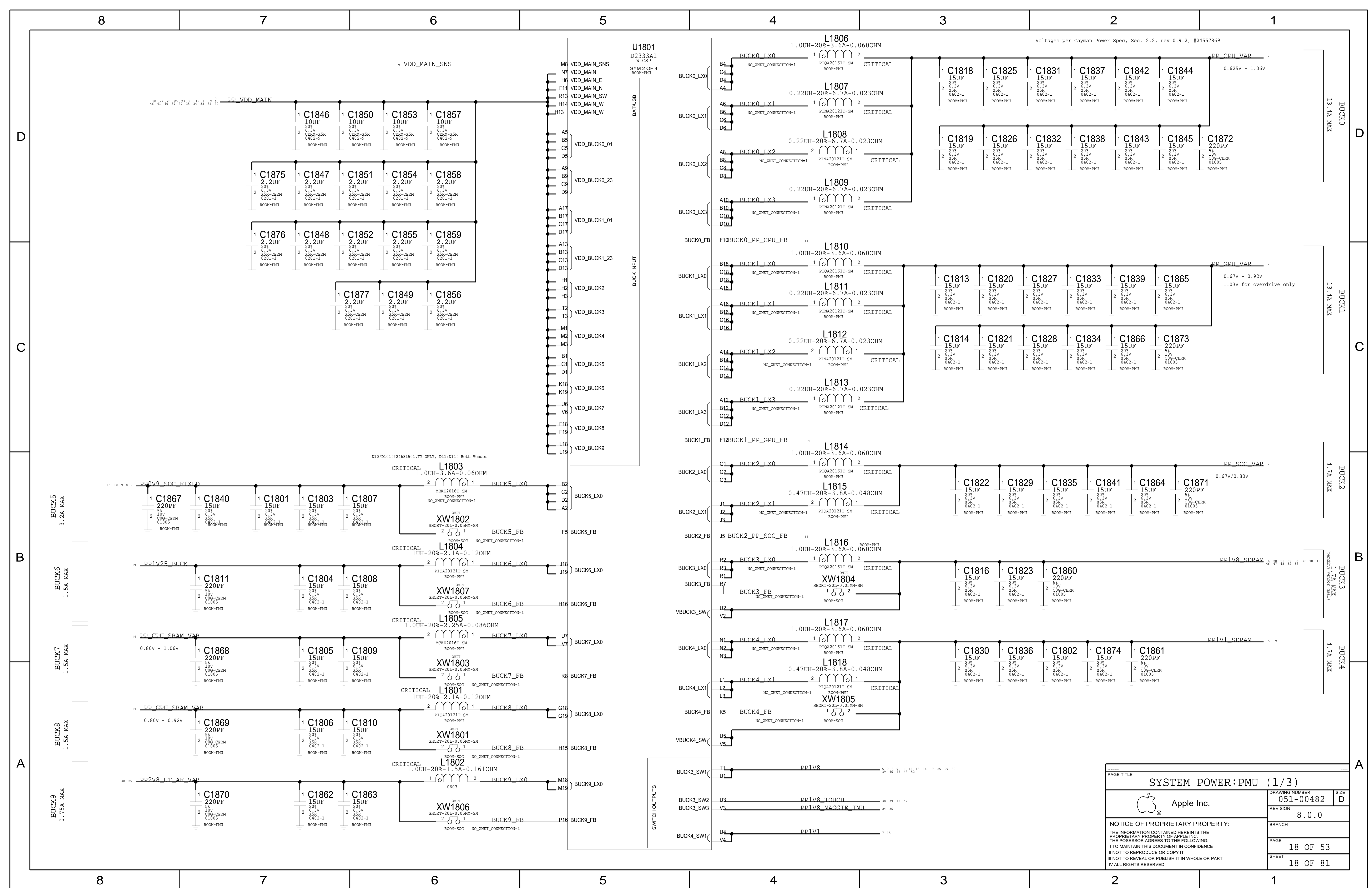
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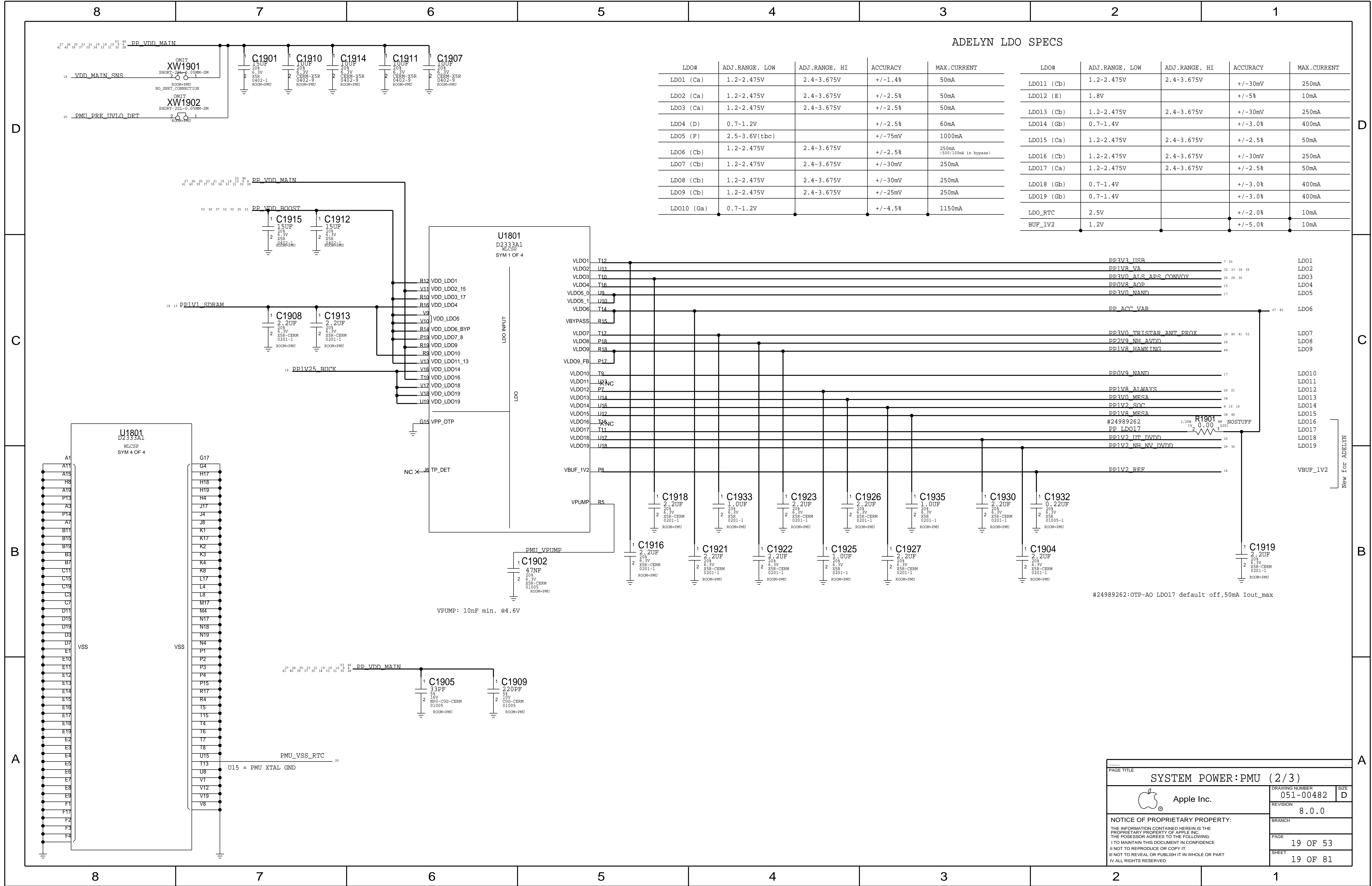


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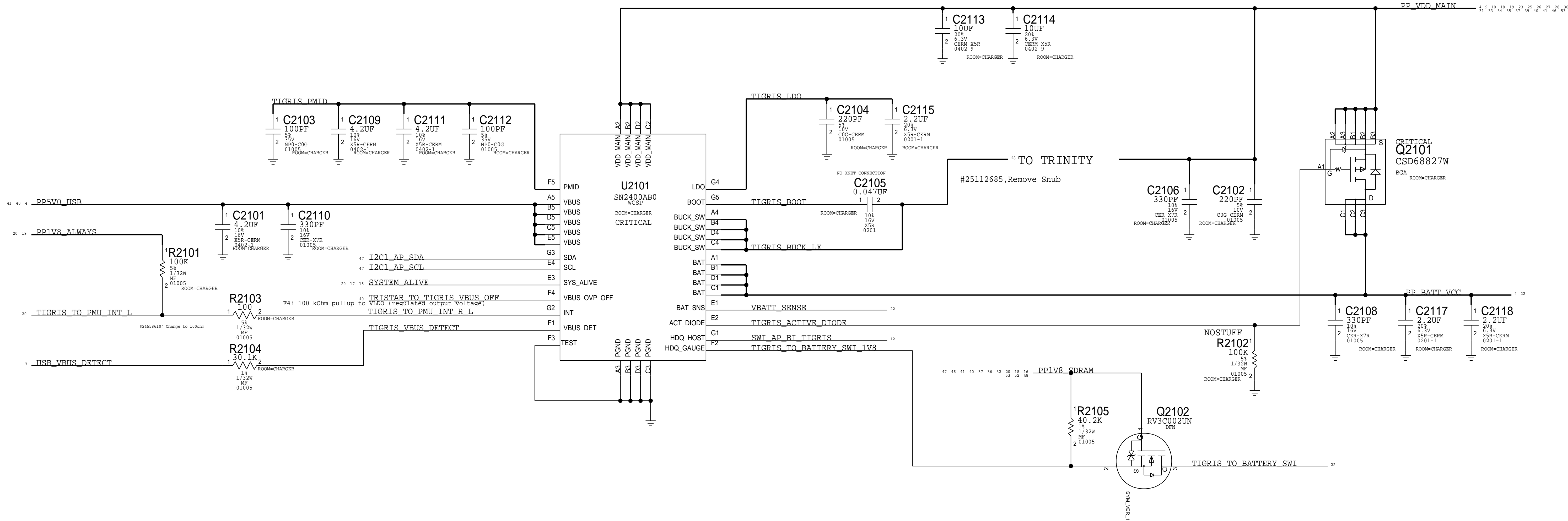



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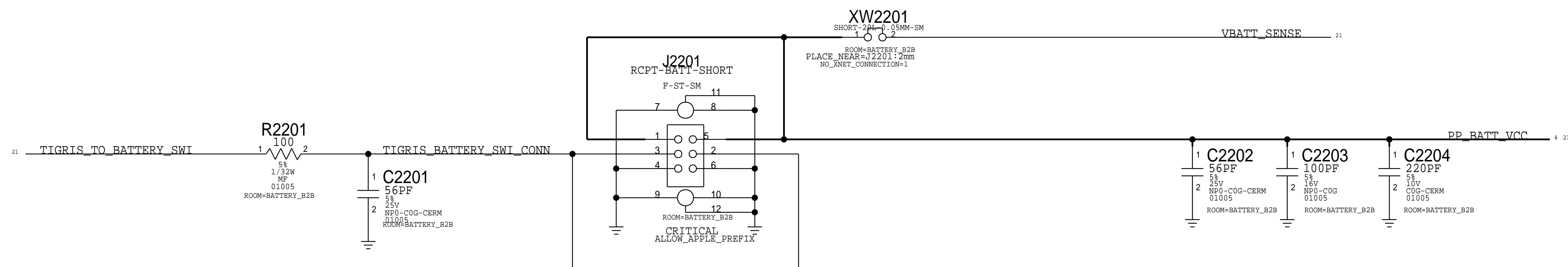
TIGRIS CHARGER



PAGE TITLE		
SYSTEM POWER:CHARGER		
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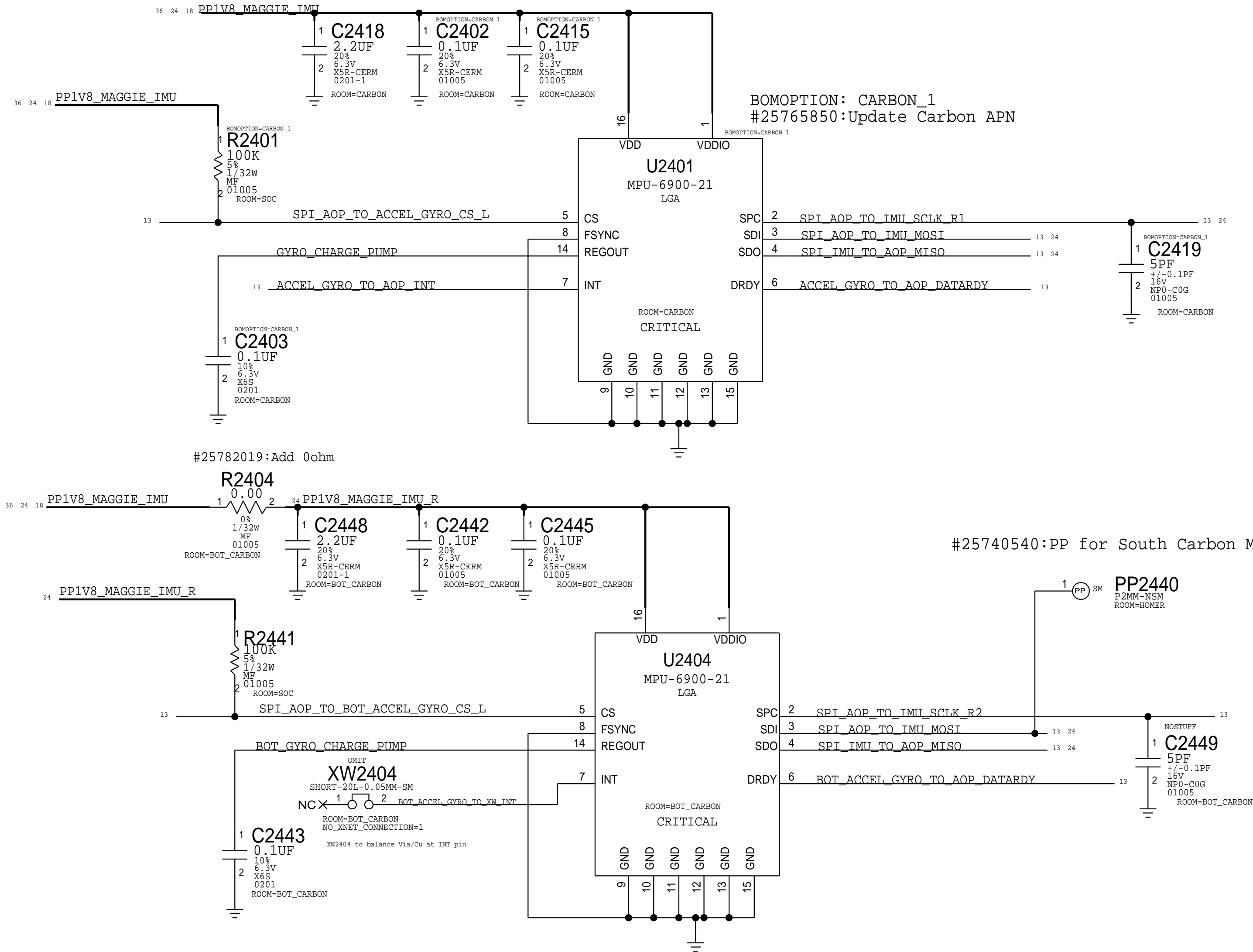
BATTERY CONNECTOR

THIS ONE ON MLB ---> 516S00172 (matches d10 mlb MCO rev 27)

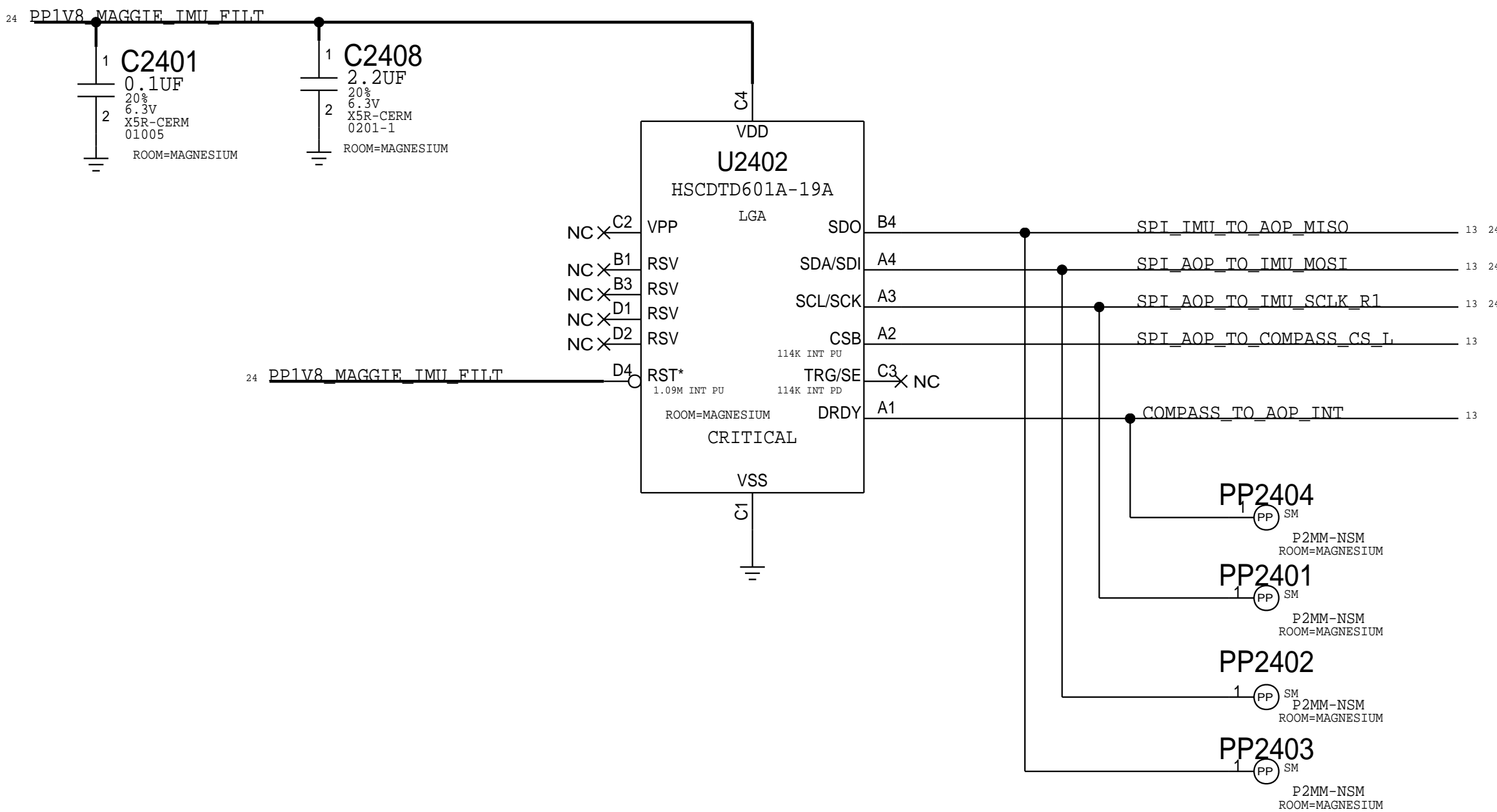


CARBON - ACCEL & GYRO

INVENSENSE, MPU-6800: C2403=0.1uF



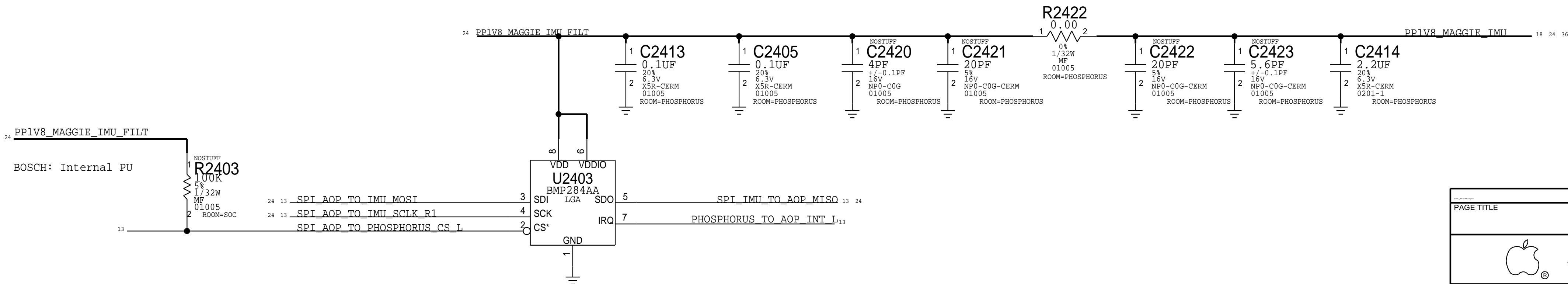
MAGNESIUM - COMPASS



PHOSPHORUS

#24593845

BOSCH (APN:338S00188): nostuff C2420/C2421/C2422/C2423 and R2403 PU
ST (APN:338S00230): stuff C2420-C2423, C2420R2422 with 155S00017, stuff R2403 PU
C2420=4pF(131S0253),C2405=3pF(131S0251) per #25691124



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SENSORS			
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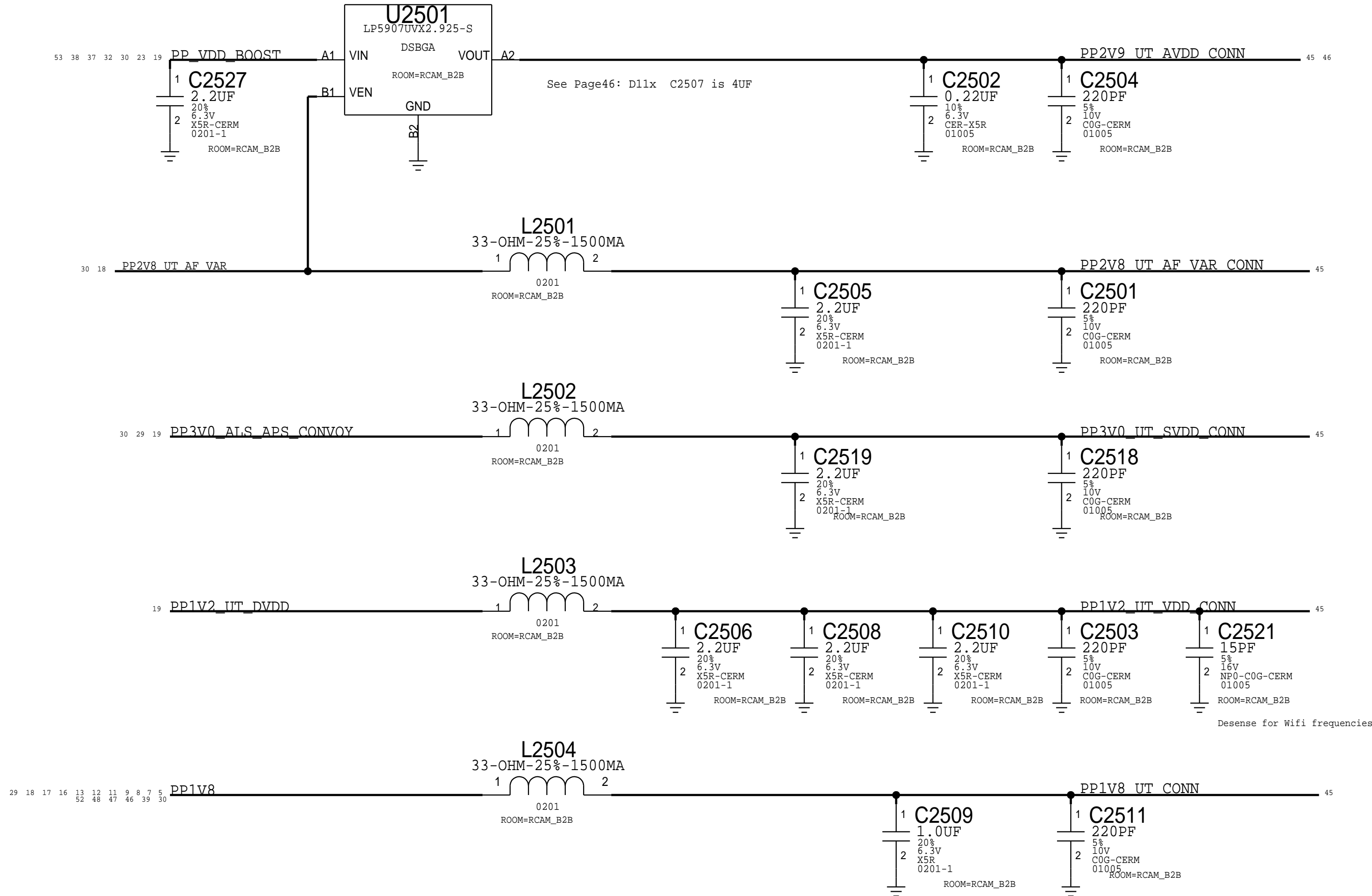
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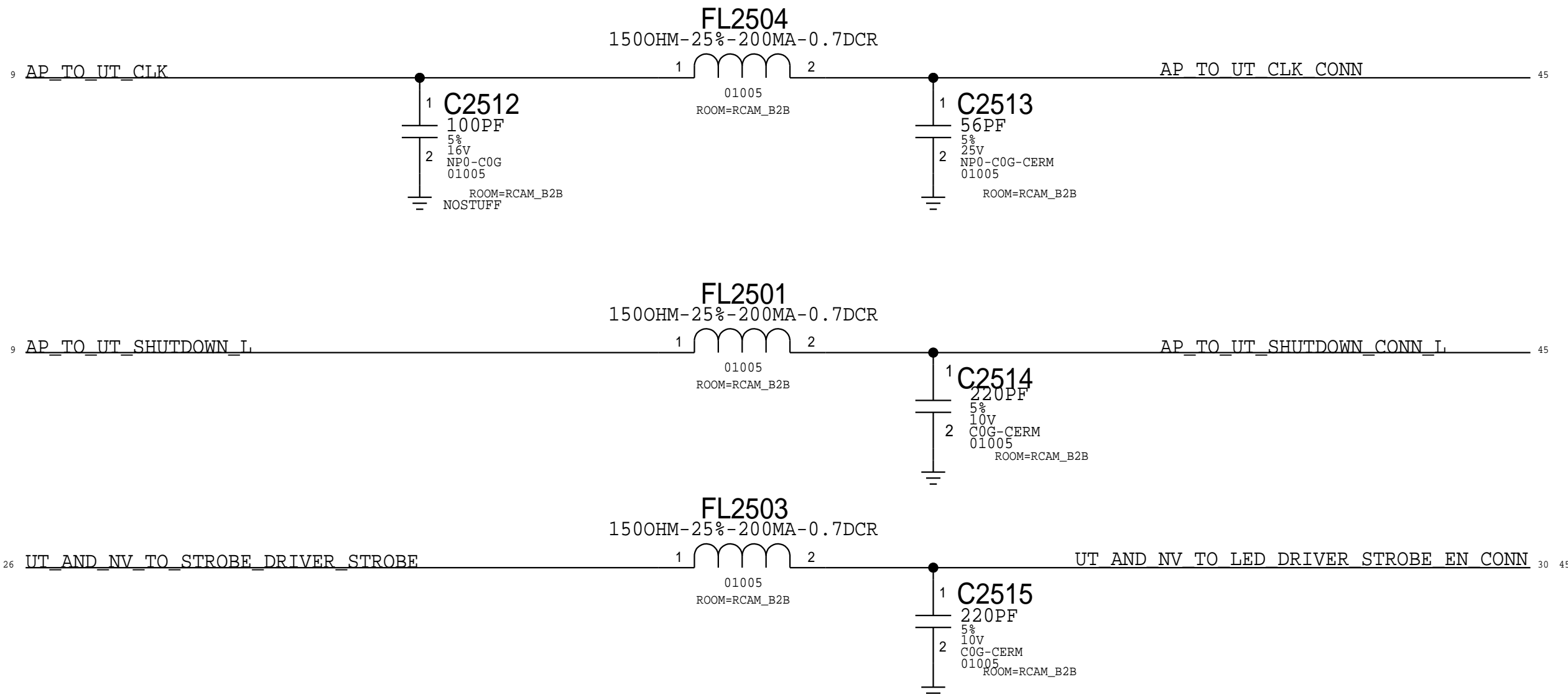
UTAH POWER

NOTE: OUTPUT IMPEDANCE MUST BE >0.005-OHM
IN ORDER TO MEET CAP ESR REQUIREMENT PER LDO SPEC.
VENDOR ALSO RECOMMENDS CIN = COUT FOR STABILITY

Scrub voltage selection

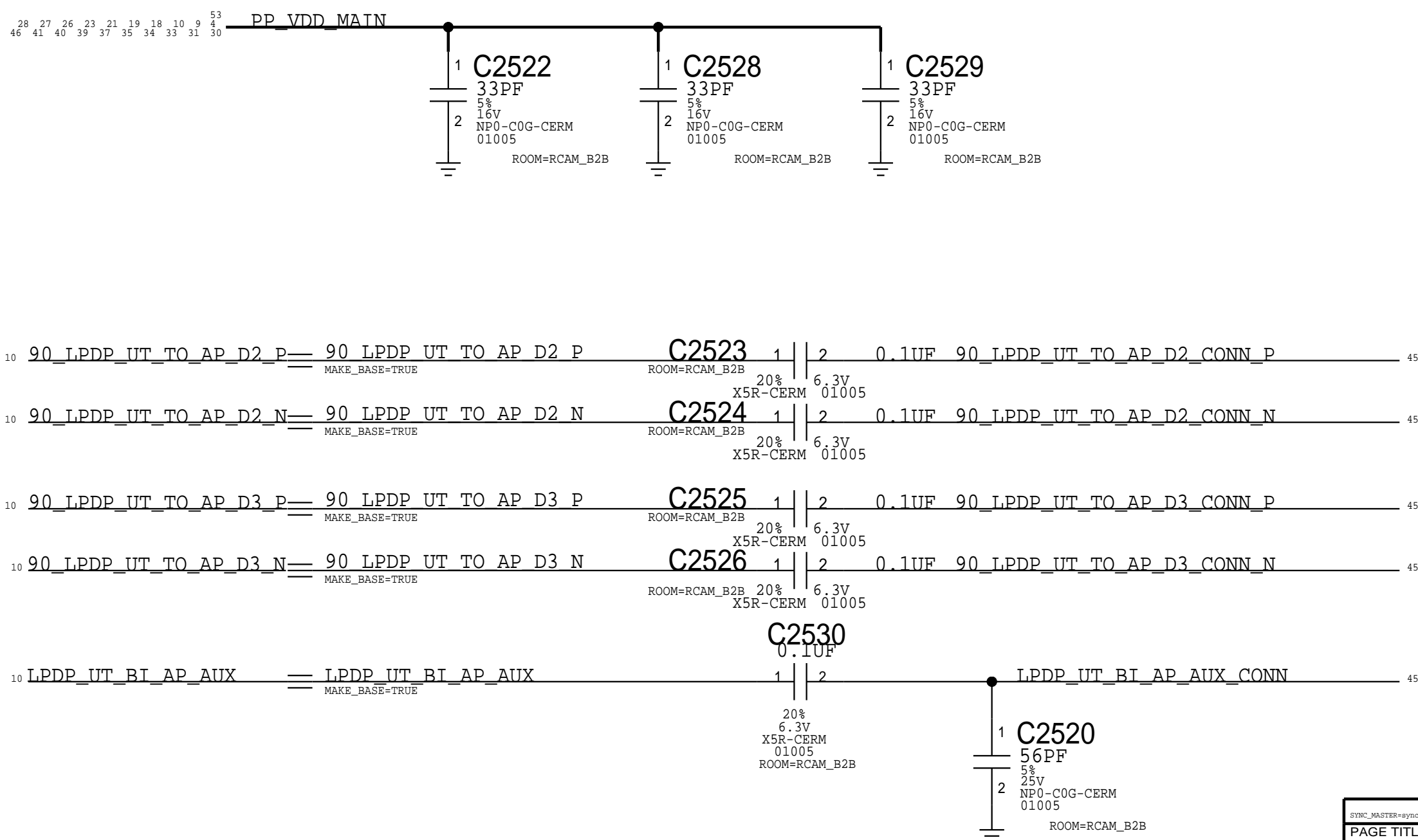


IO FILTERS



LPDP FILTERS

AC return path for LPDP which is referenced to GND and VDD_MAIN



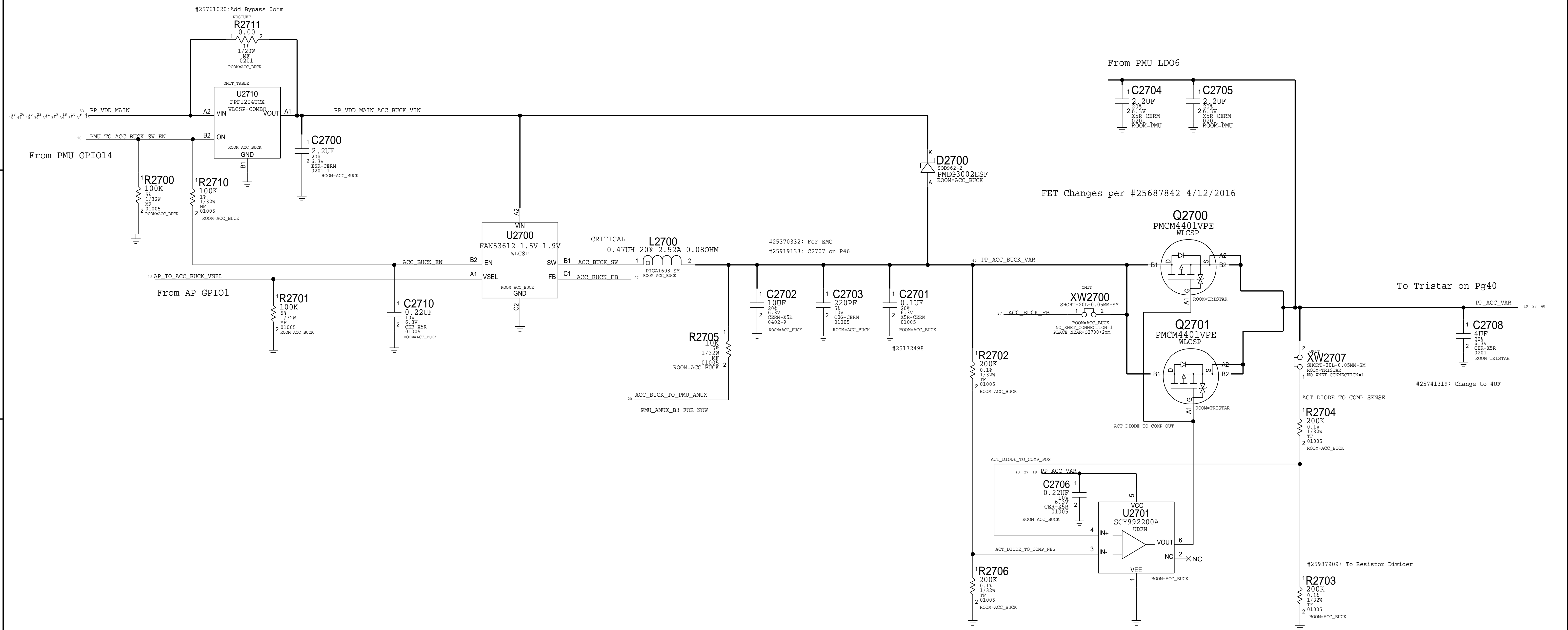
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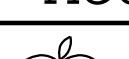
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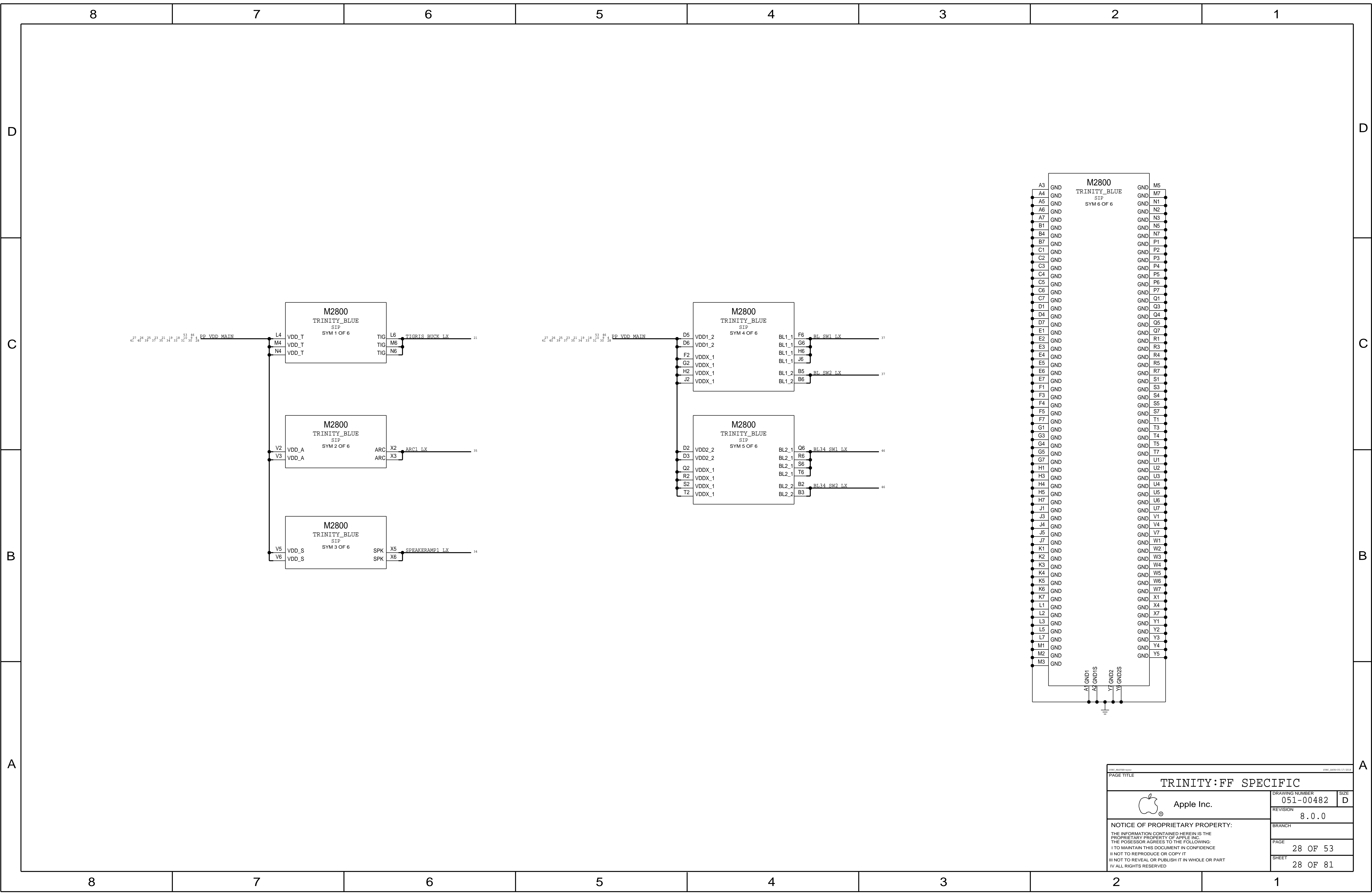
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ACCESSORY BUCK



SYMC_DATE=05/17/2016		SYMC_DATE=05/17/2016	
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Accessory: Buck Circuit			
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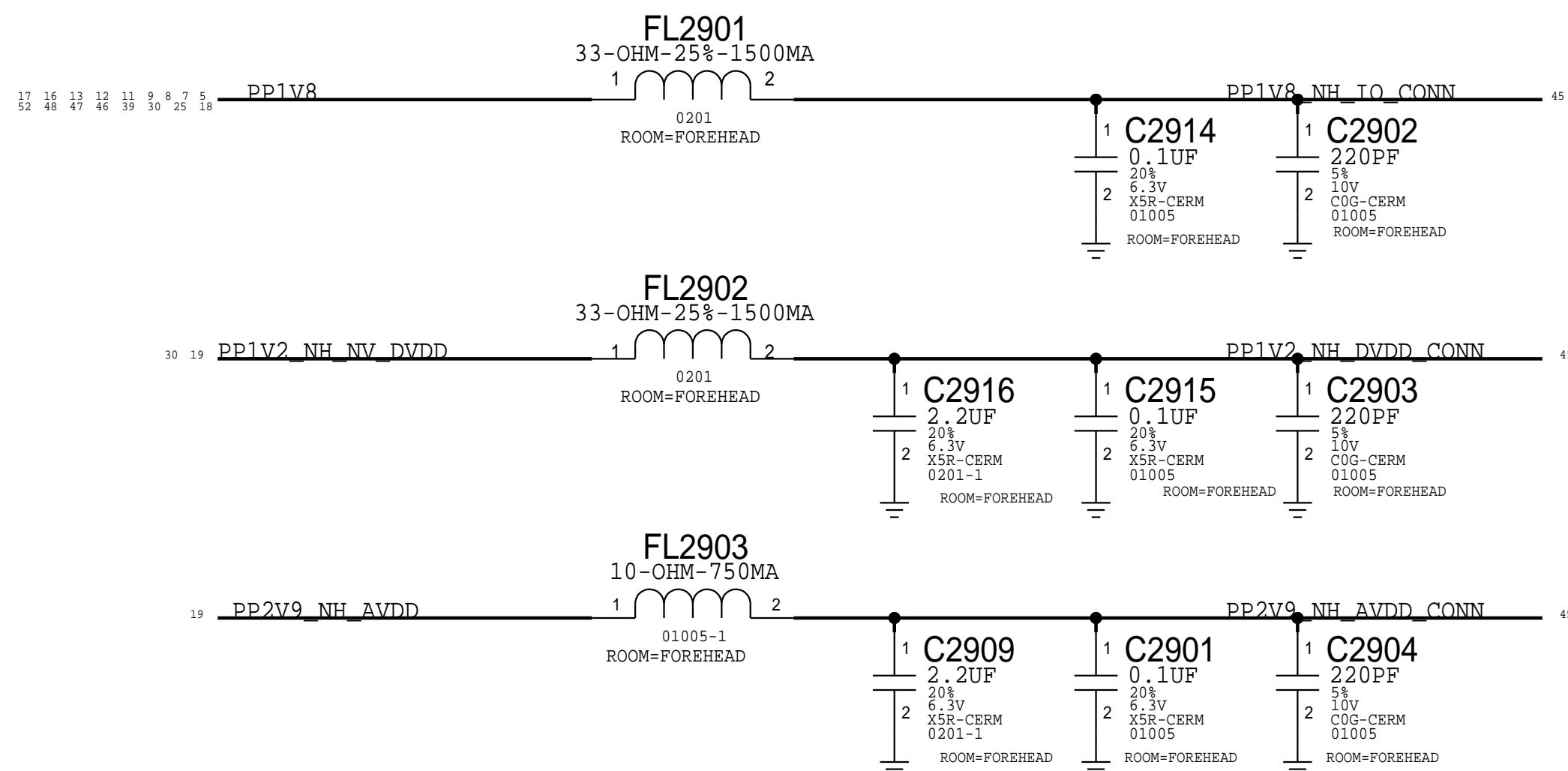
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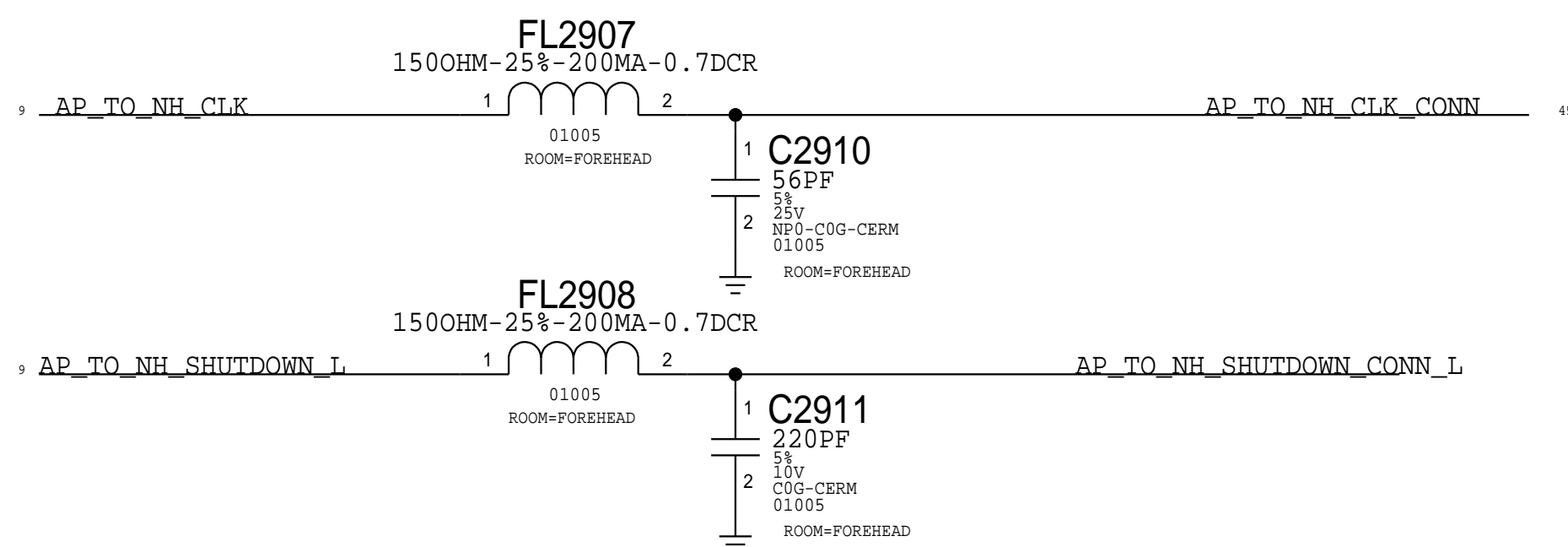
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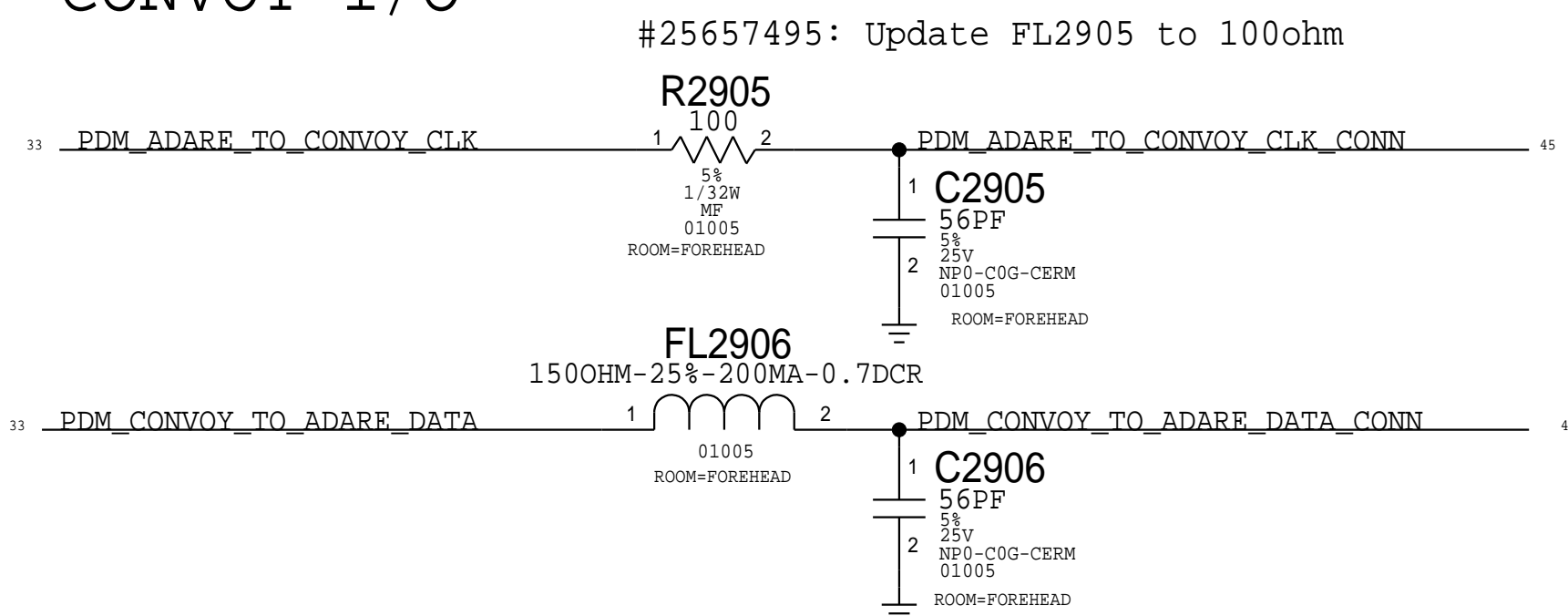
NEW HAMPSHIRE POWER



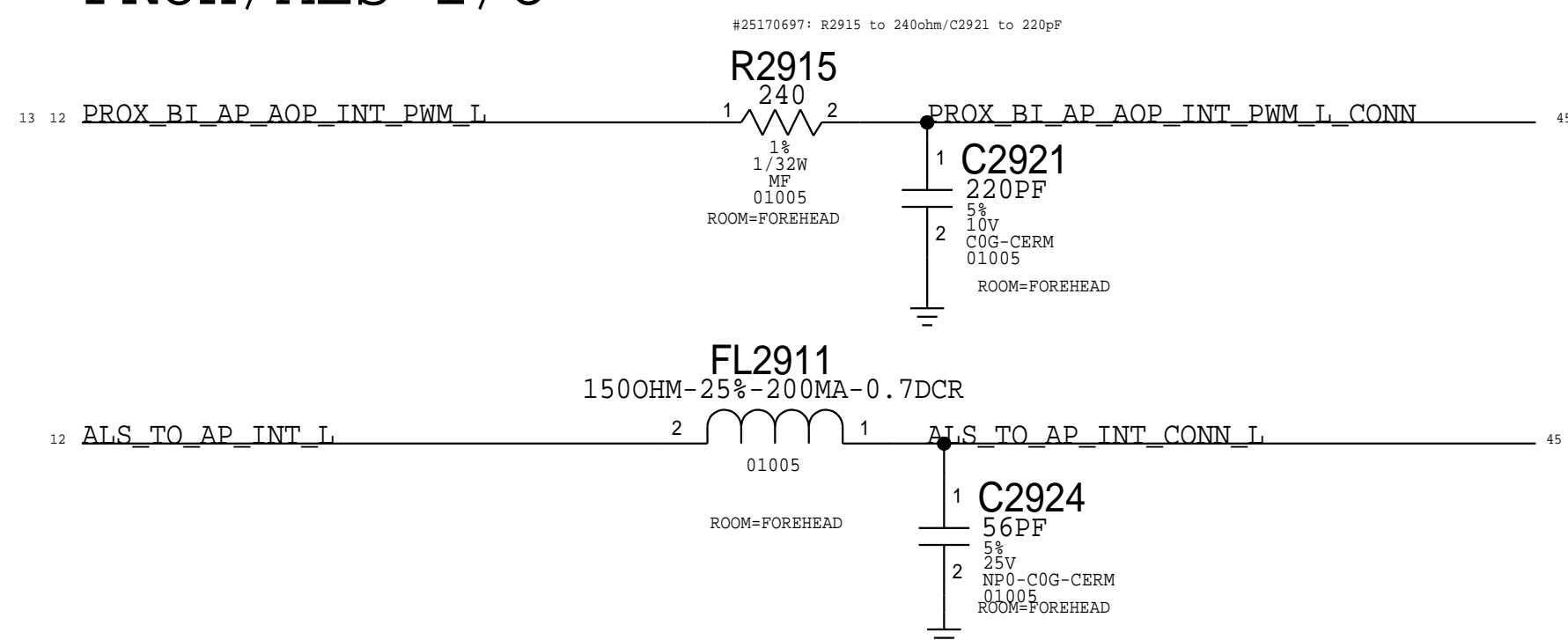
NEW HAMPSHIRE I/O



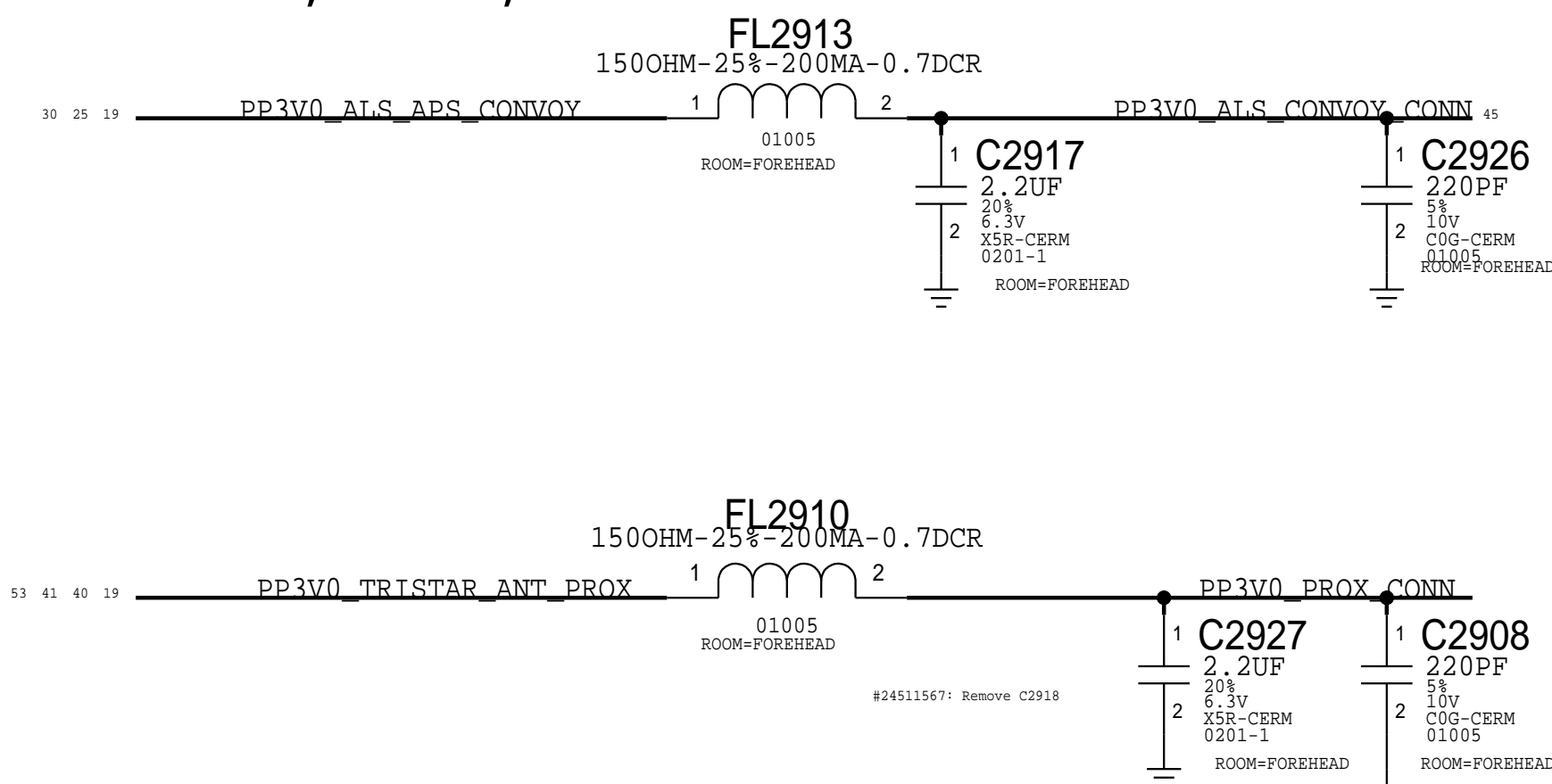
CONVOY I/O



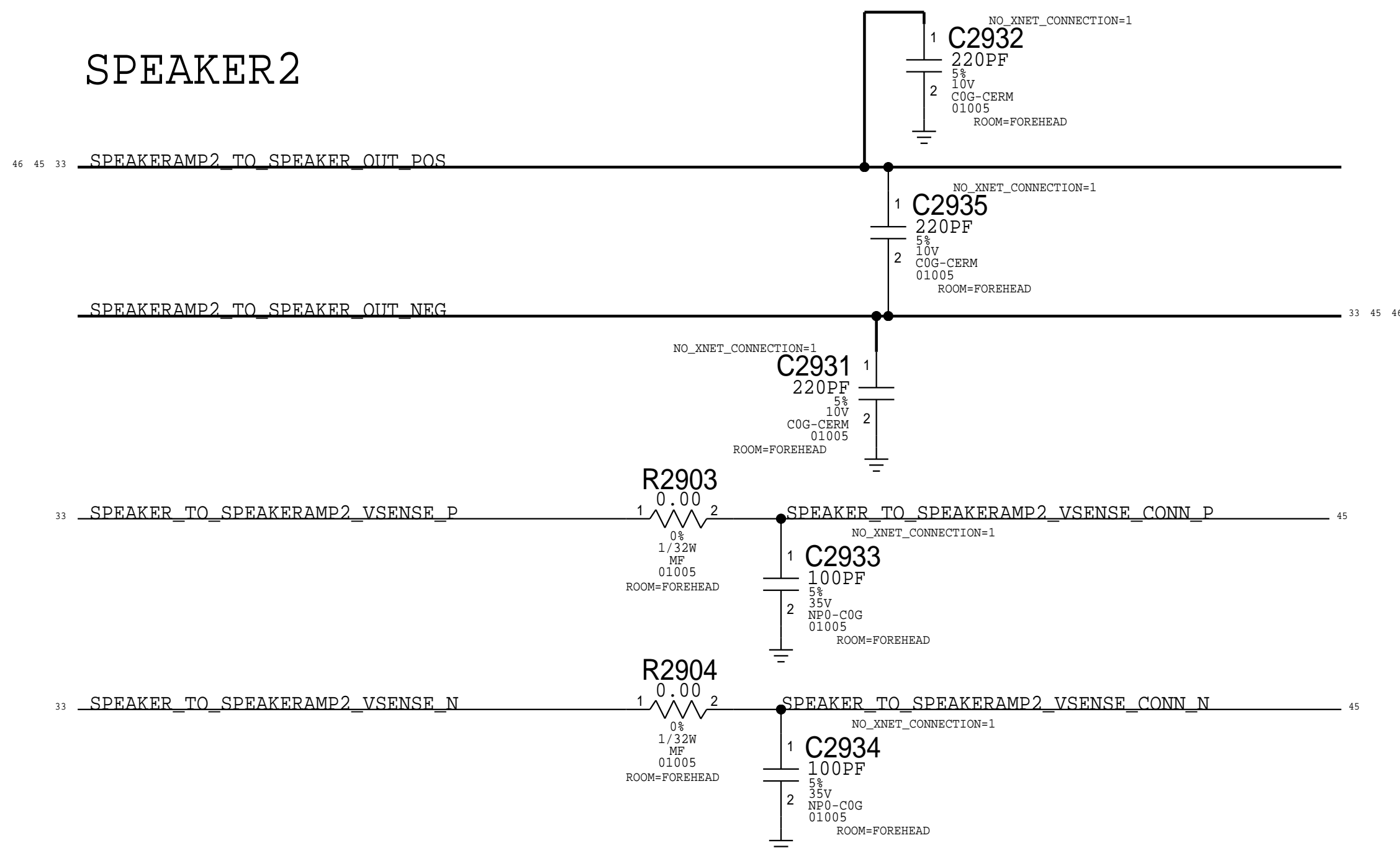
PROX/ALS I/O



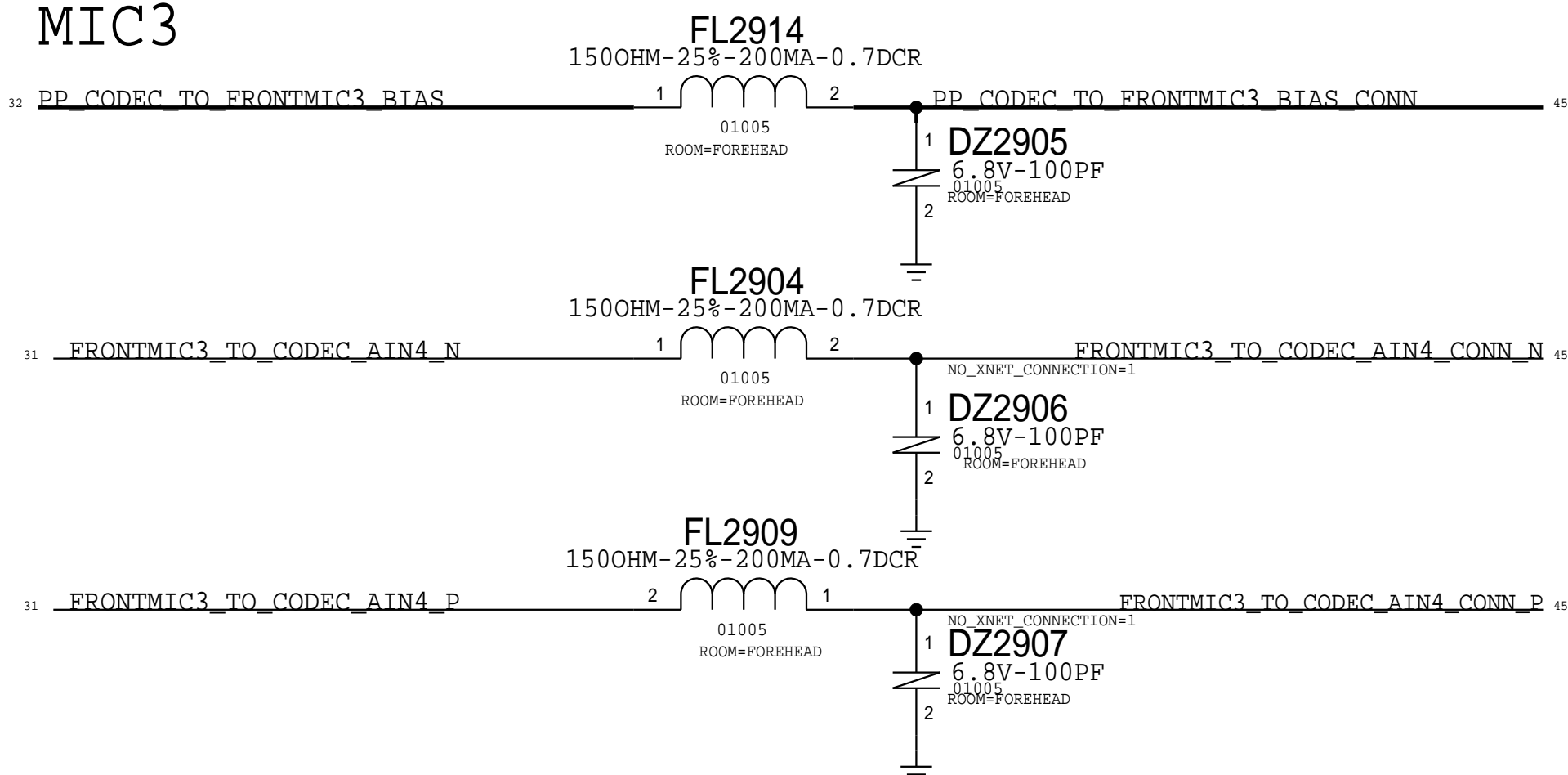
PROX, ALS, & CONVOY POWER




SPEAKER2



MIC3



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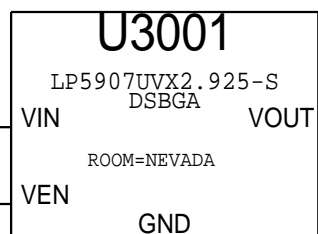
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NEVADA POWER

NOTE: OUTPUT IMPEDANCE MUST BE >0.005-OHM
IN ORDER TO MEET CAP ESR REQUIREMENT PER LDO SPEC.
VENDOR ALSO RECOMMENDS CIN = COUT FOR STABILITY

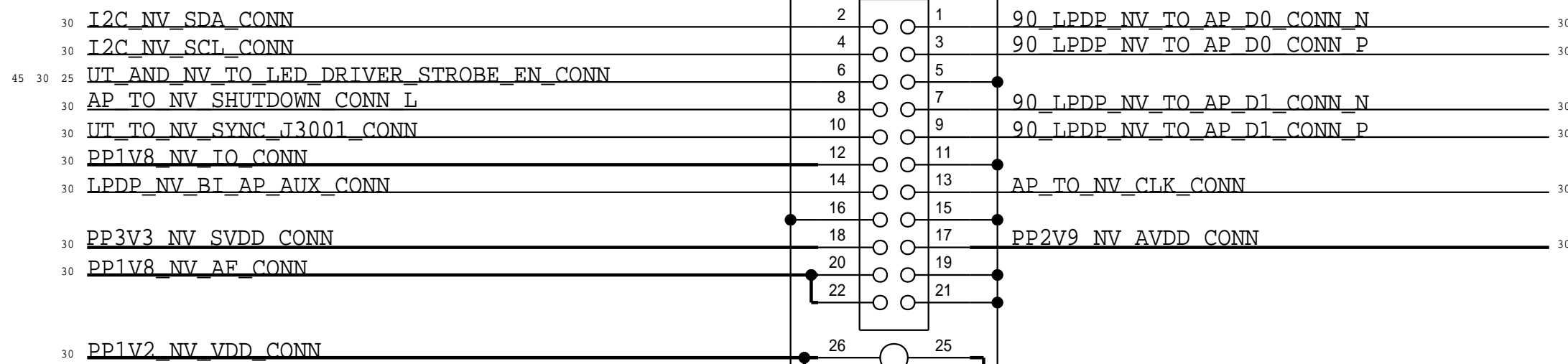
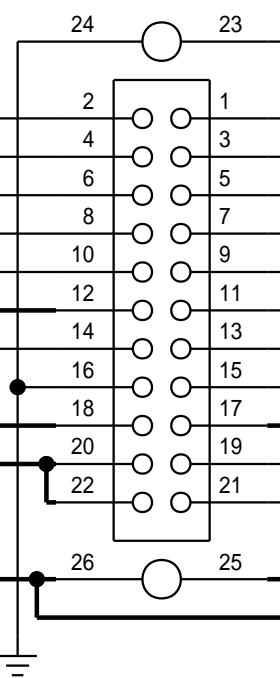


NEVADA CONNECTOR

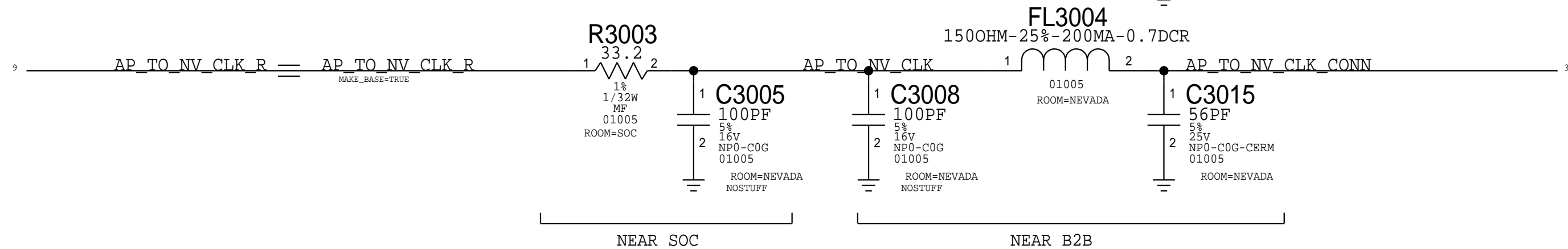
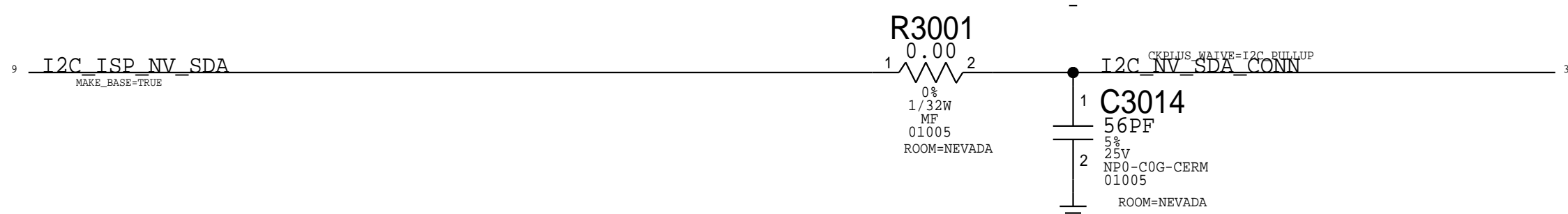
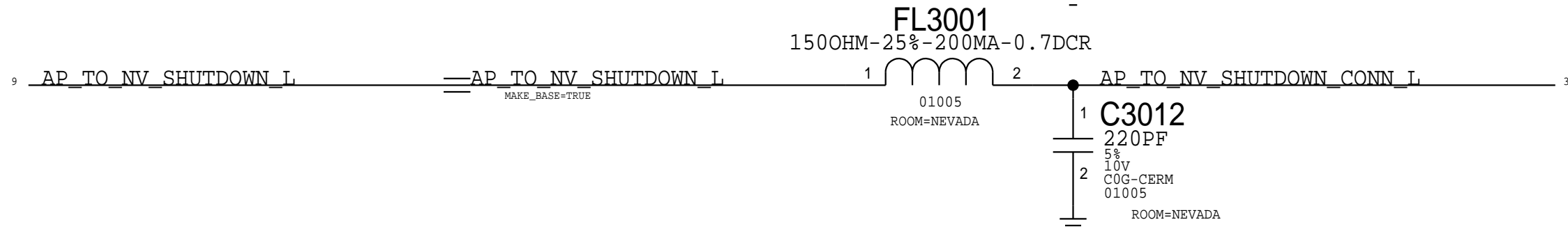
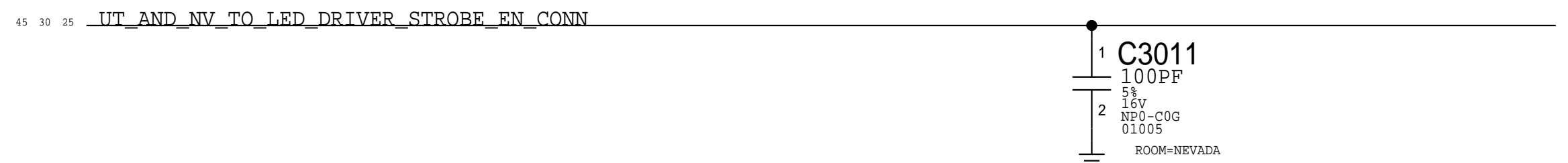
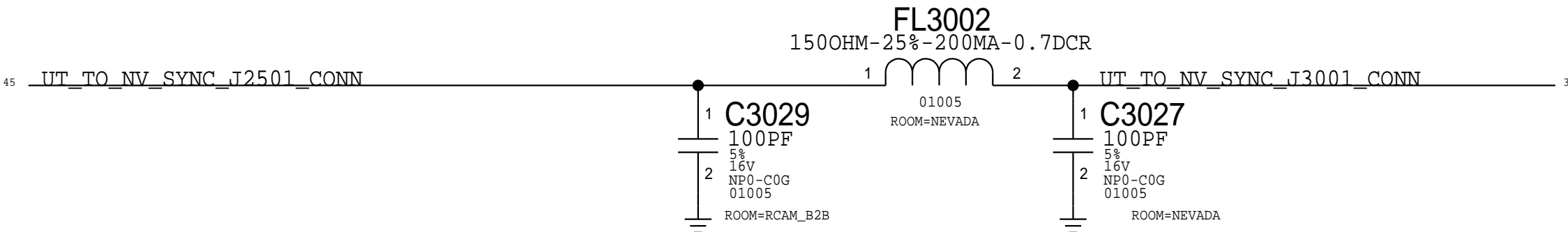
THIS ONE ---> 516S00152 RCPT (USED ON MLB)
516S00151 PLUG

THIS PAGE UNIQUE TO LARGE FORM FACTOR
OTHER FORM FACTOR SPECIFIC PAGES:
4 - Mechanical
46 - FF Specific

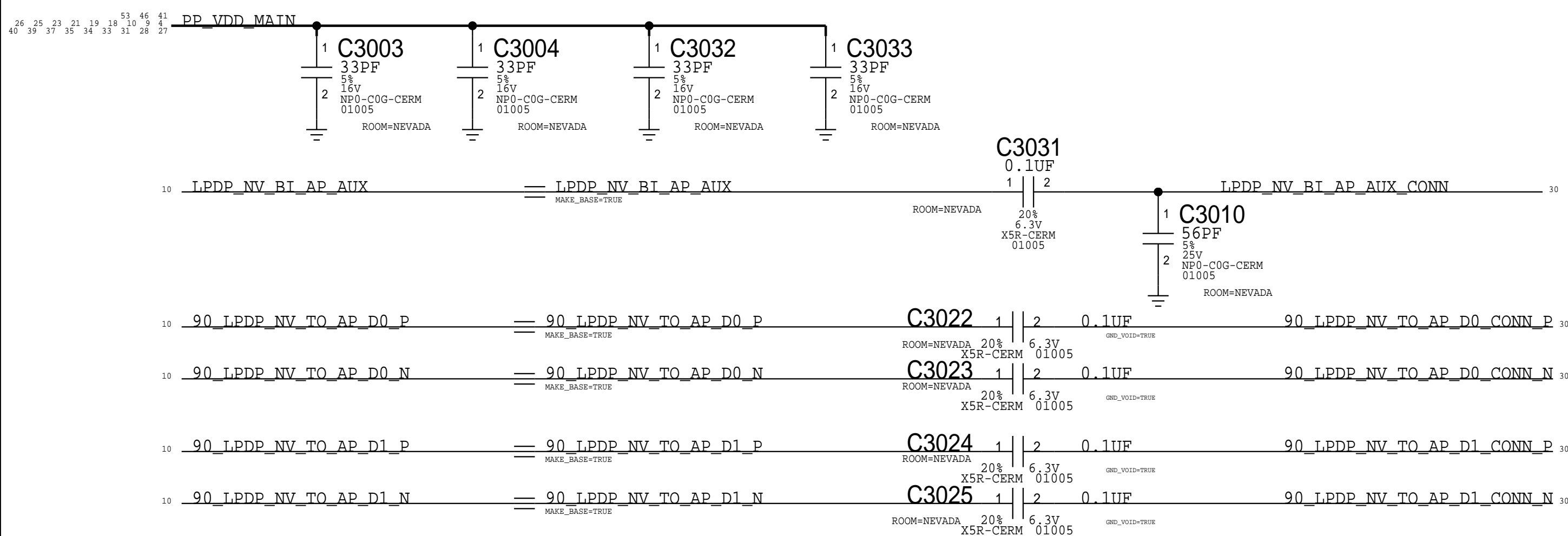
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GPIO FILTERS



LPDP FILTERS



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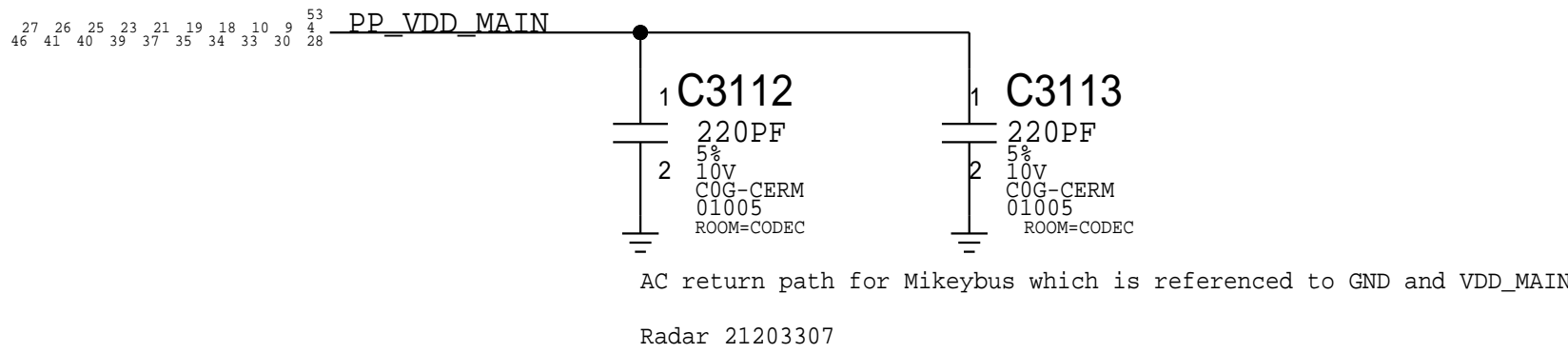
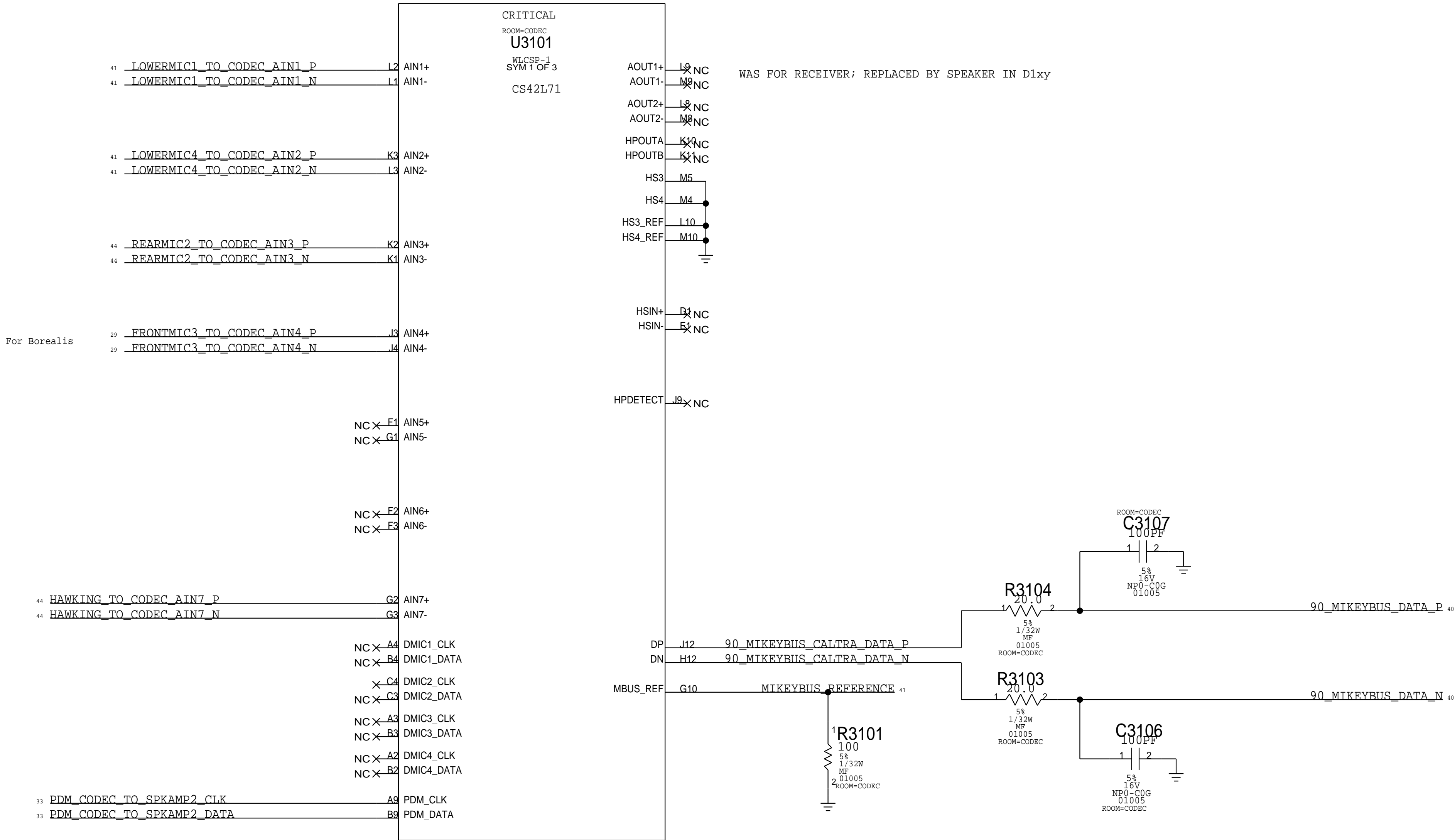
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CALTRA AUDIO CODEC (ANALOG INPUTS & OUTPUTS)



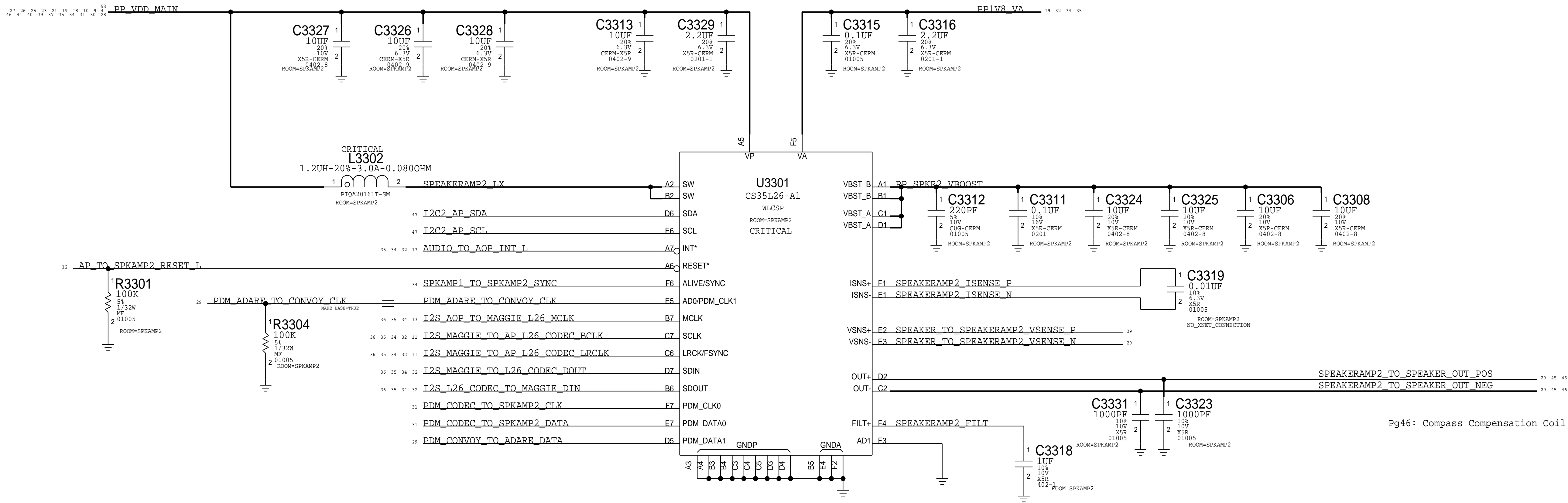
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D

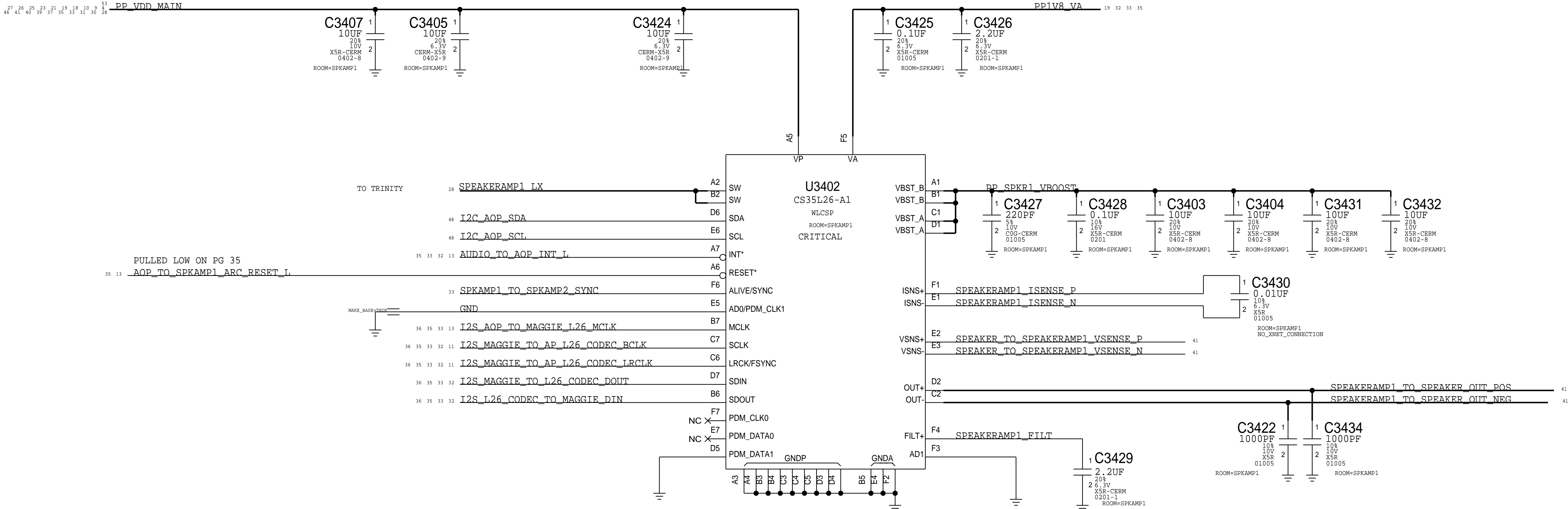



A

SPEAKER AMPLIFIER 2 (North)

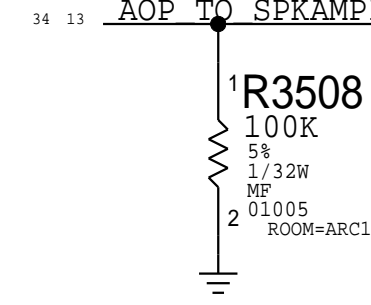


(South)



PAGE TITLE <h1 style="text-align: center;">AUDIO: SPEAKER AMP 1</h1>		DRAWING NUMBER <div style="border: 1px solid black; padding: 5px; display: inline-block;">051-00482</div>		SIZE <div style="border: 1px solid black; padding: 5px; display: inline-block;">D</div>
 <div style="margin-left: 20px;"> <h2>Apple Inc.</h2> </div>		REVISION <div style="border: 1px solid black; padding: 5px; display: inline-block;">8.0.0</div>		
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		SHEET <div style="border: 1px solid black; padding: 5px; display: inline-block;">34 OF 81</div>		

ARC D



D

C

B

A

D

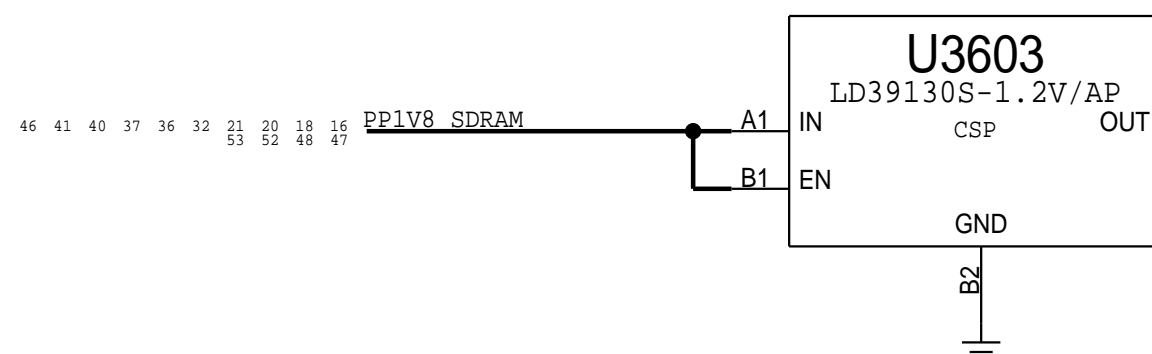
C

B

A

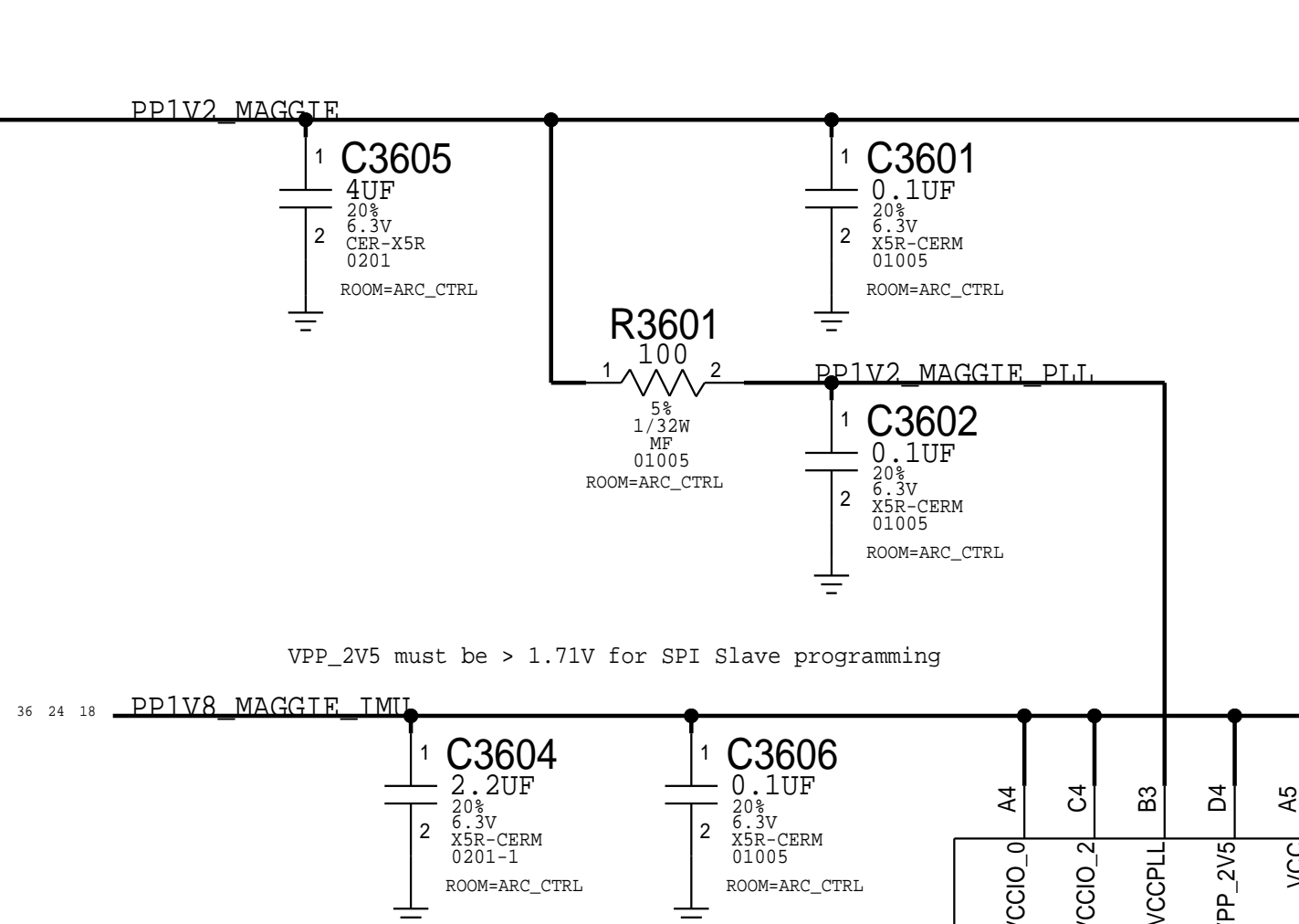
MAGGIE LDO

APN: 353S00842



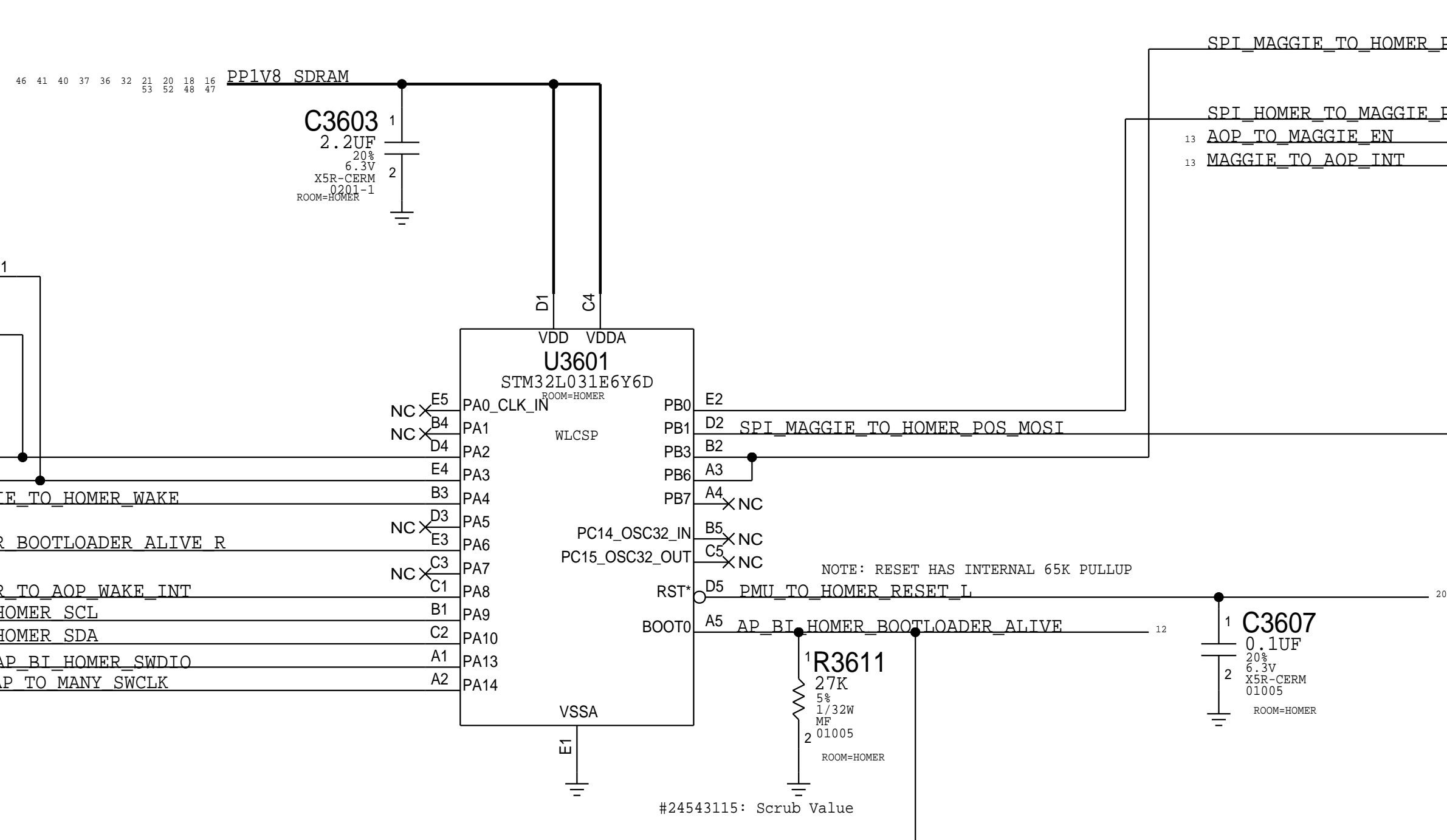
MAGGIE


APN: 336S00020



HOMER STM32L0 MICRO

STM32L03 APN: 337S00231

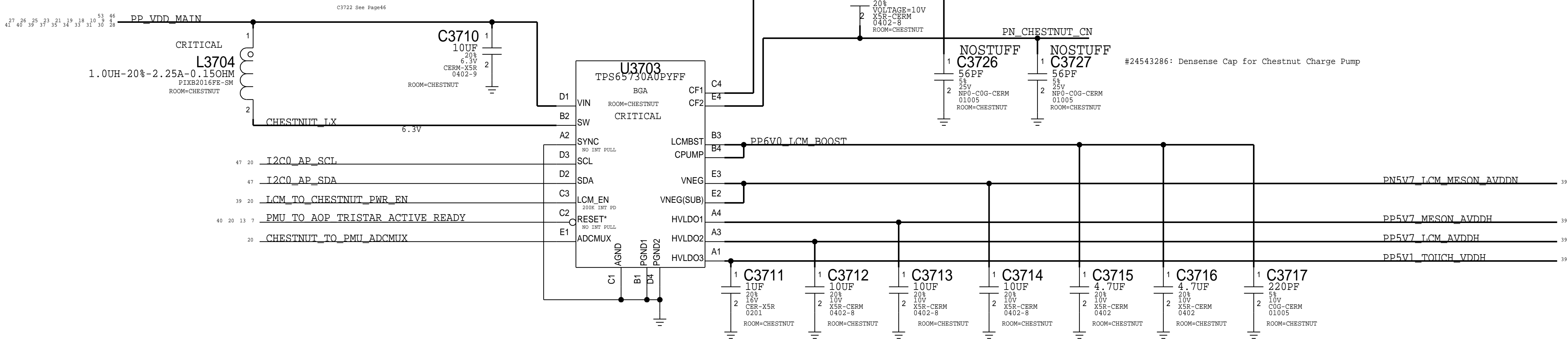


PAGE TITLE			
ARC:MAGGIE			
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	8.0.0		
	BRANCH		
	PAGE		
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	SHEET		
	36 OF 81		

DISPLAY & TOUCH - POWER SUPPLIES

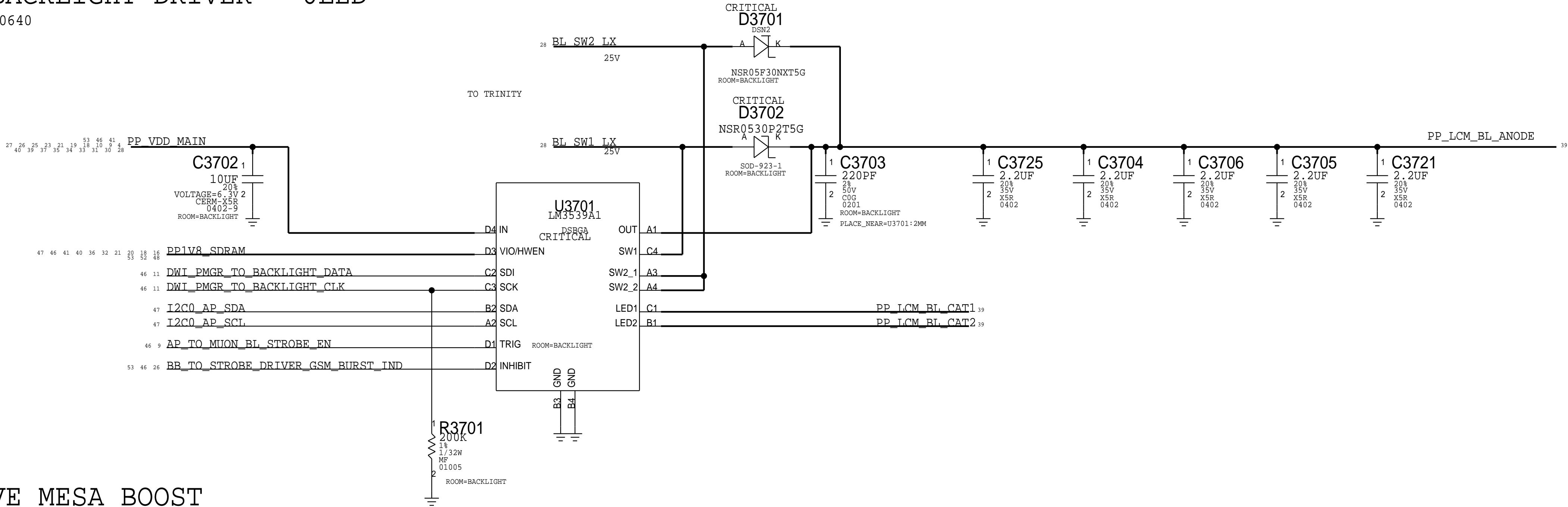
CHESTNUT DISPLAY PMU

APN:338S1172



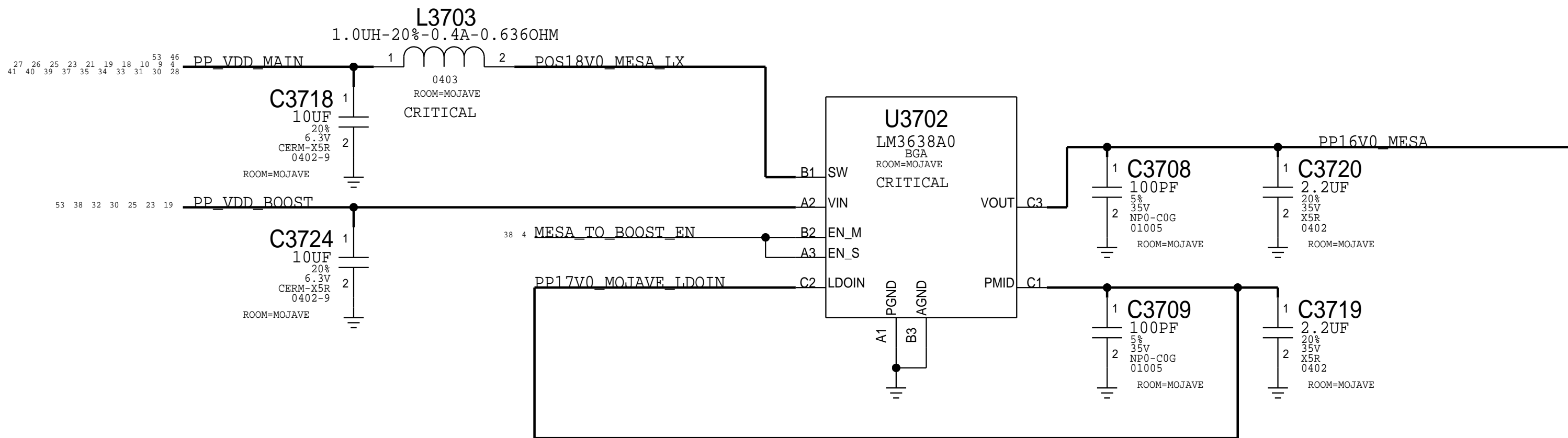
LED BACKLIGHT DRIVER - 6LED


APN:353s00640



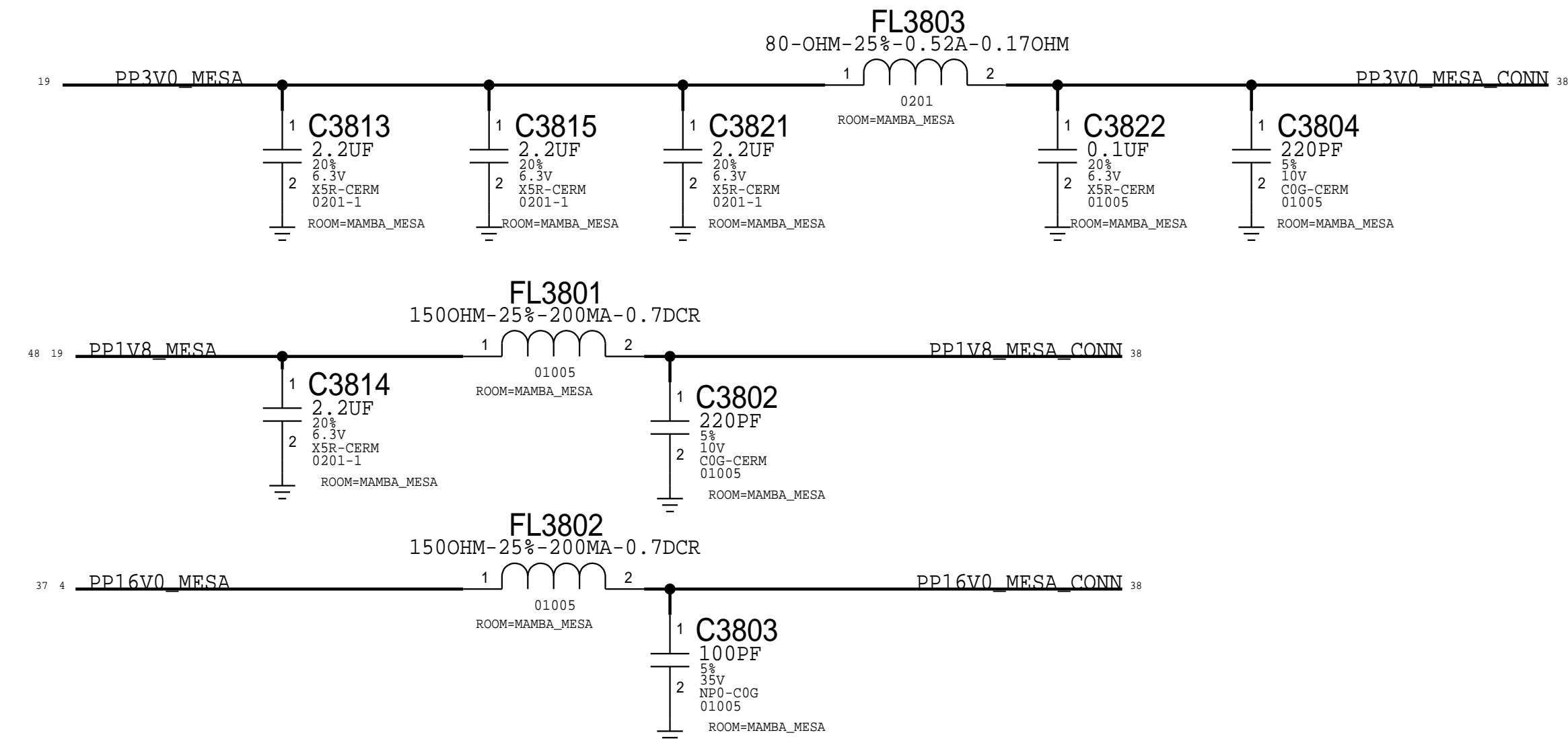
MOJAVE MESA BOOST

APN:353S00671

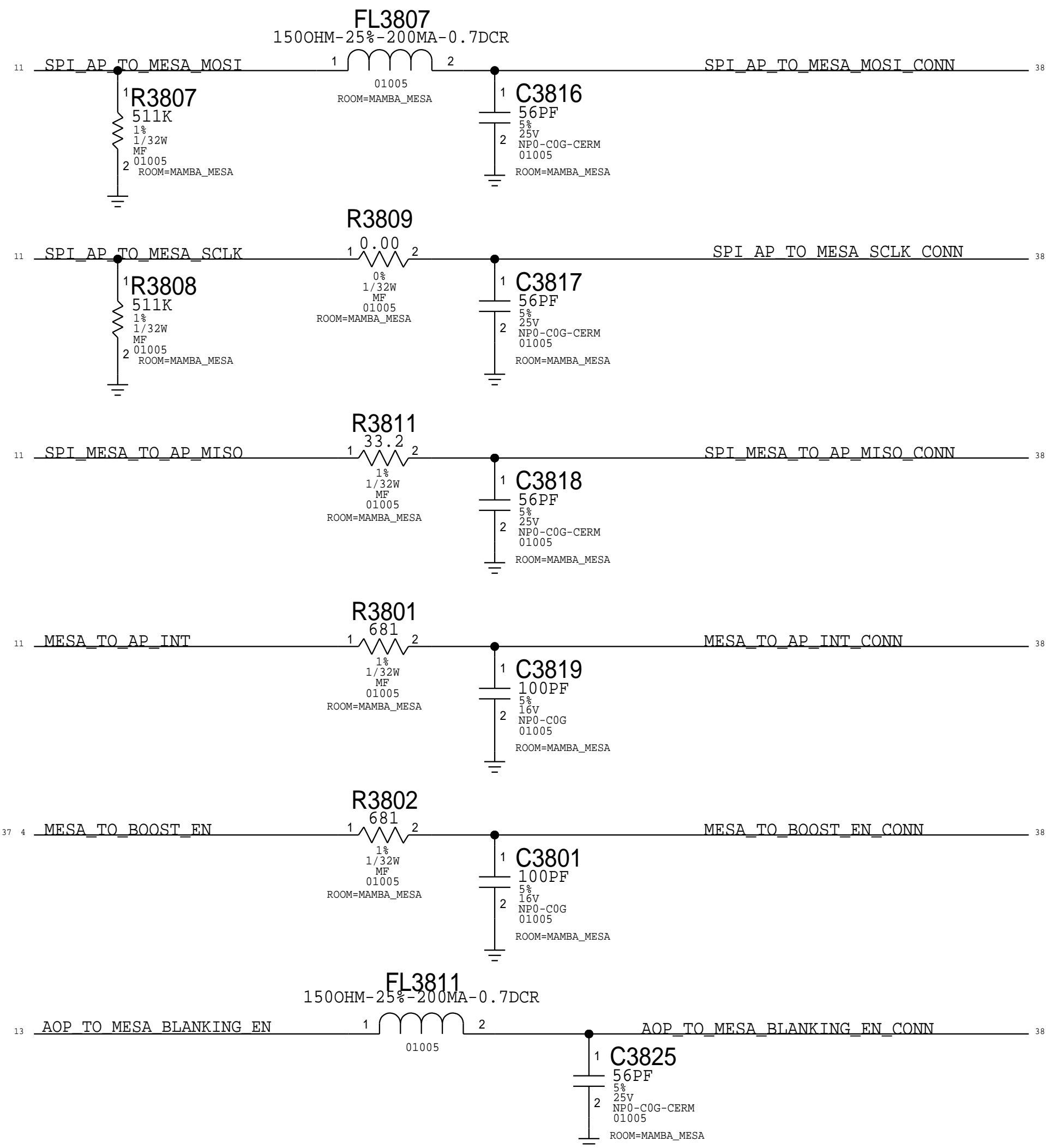


DISPLAY & MESA:POWER			
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MESA POWER

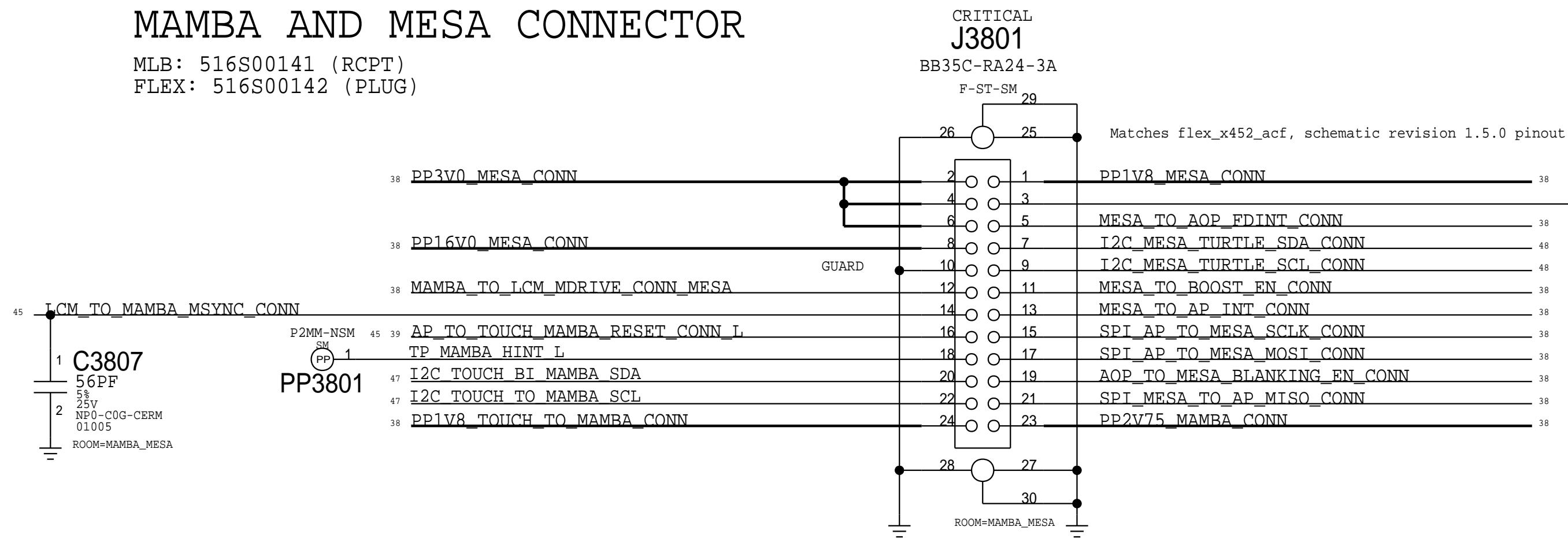


MESA DIGITAL I/O



MAMBA AND MESA CONNECTOR

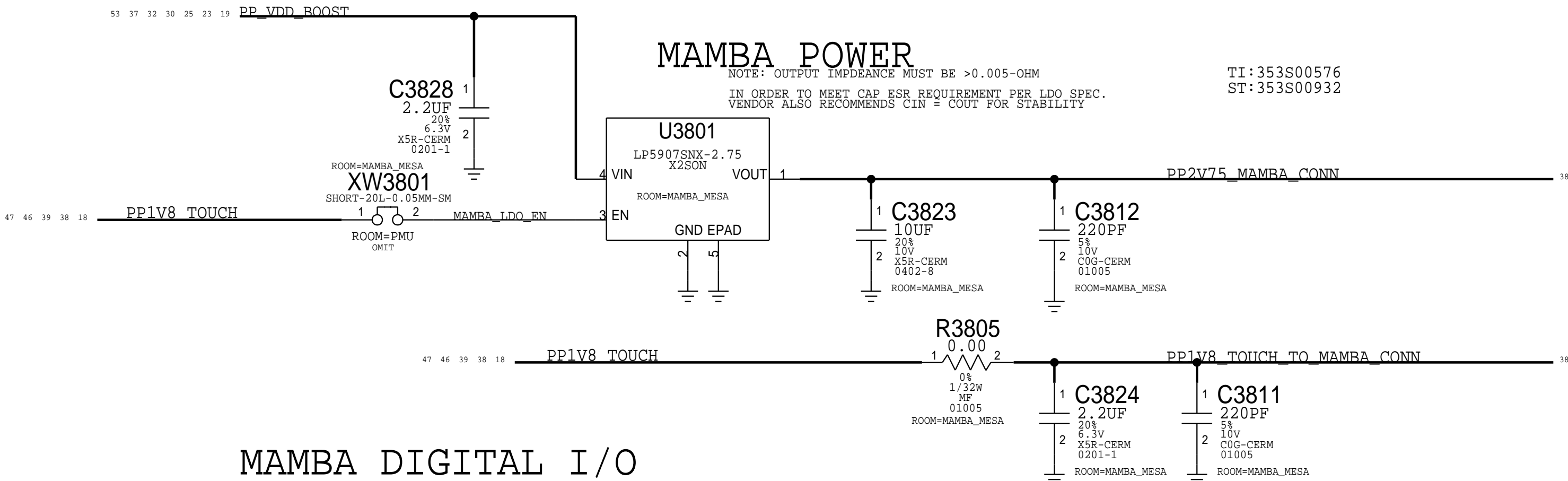
MLB: 516S00141 (RCPT)
FLEX: 516S00142 (PLUG)



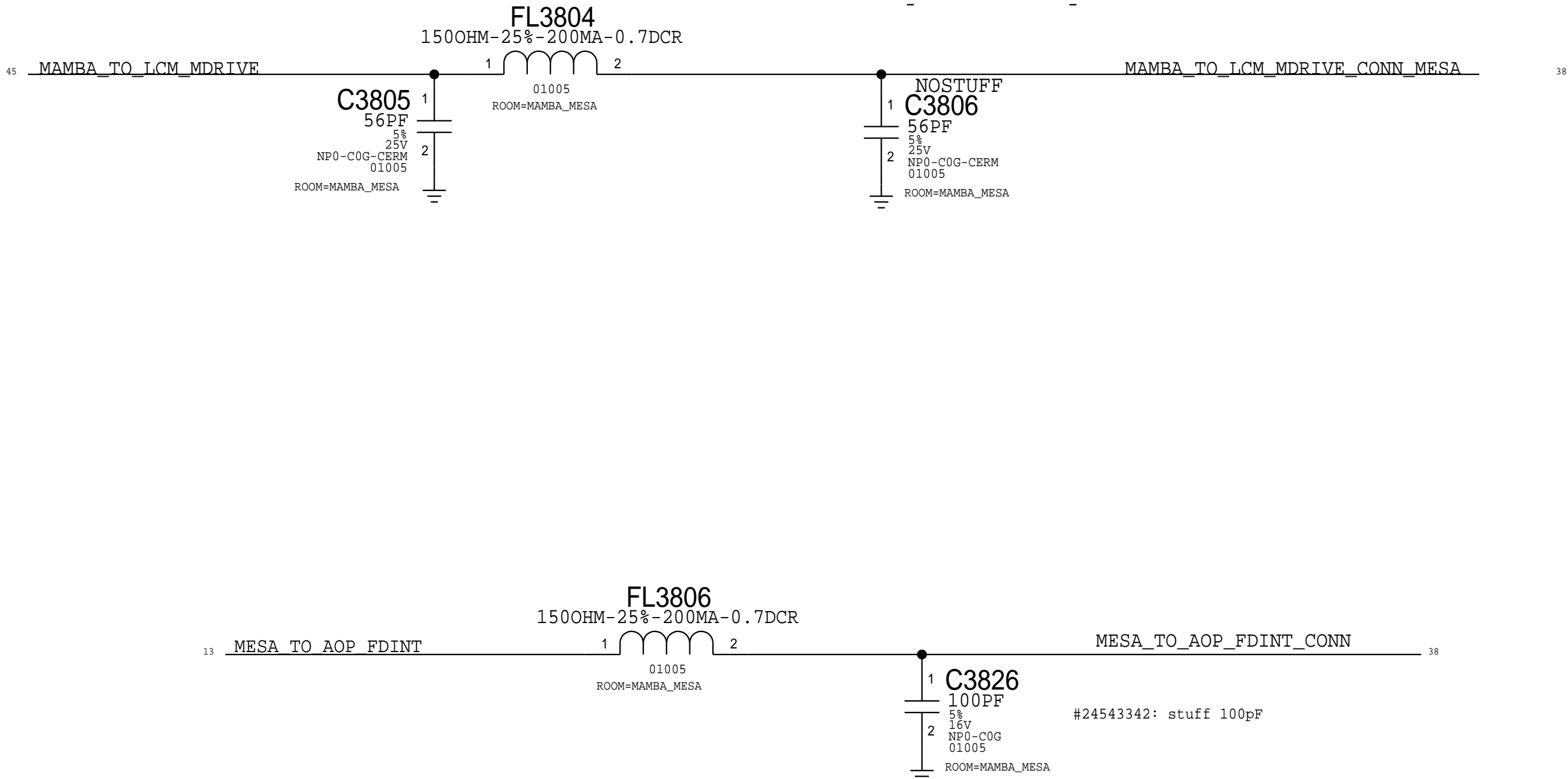
MAMBA POWER


NOTE: OUTPUT IMPEDANCE MUST BE >0.005-OHM
IN ORDER TO MEET CAP ESR REQUIREMENT PER LDO SPEC.
VENDOR ALSO RECOMMENDS CIN = COUT FOR STABILITY.

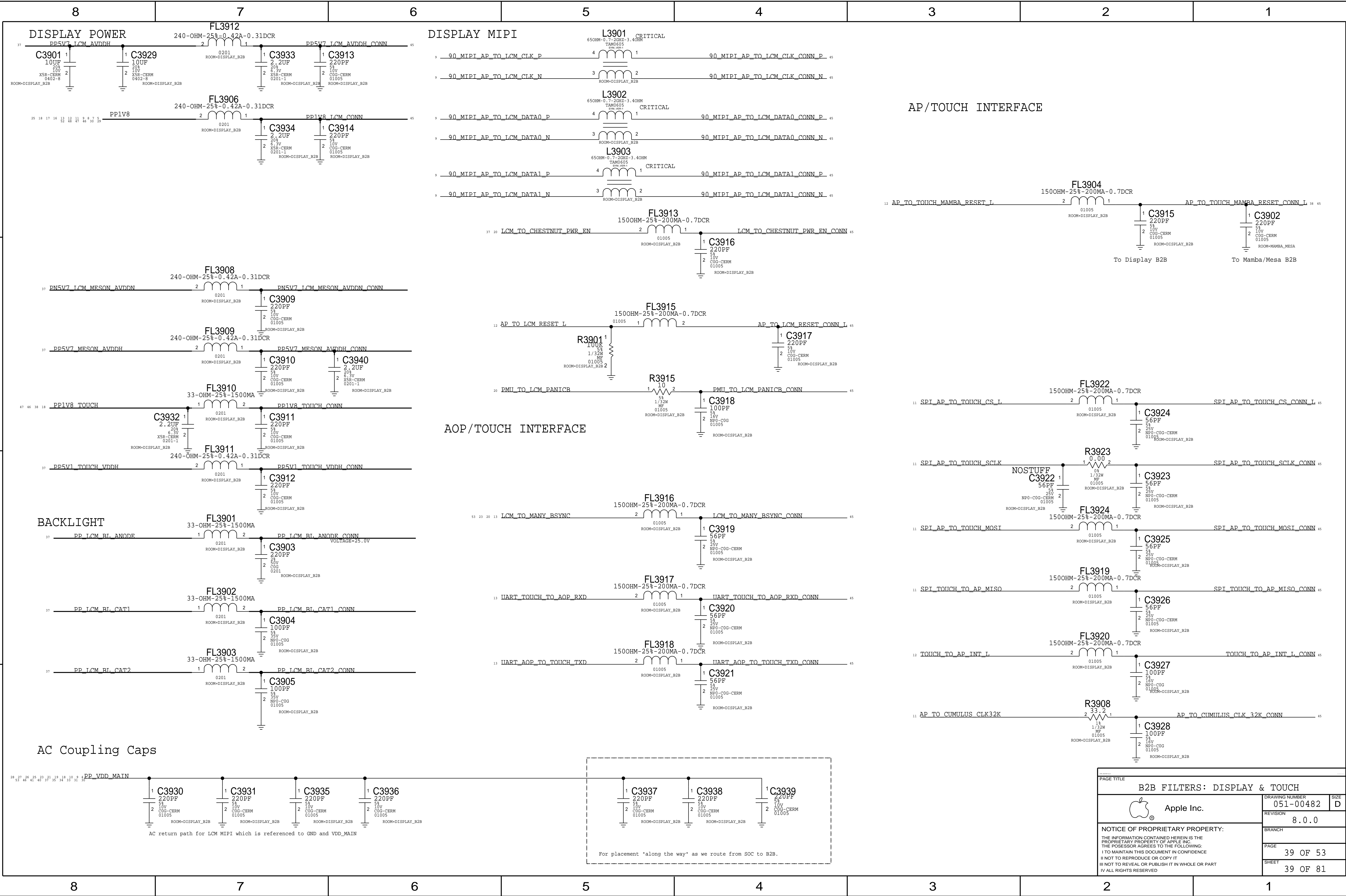
TI:353S00576
ST:353S00932



MAMBA DIGITAL I/O

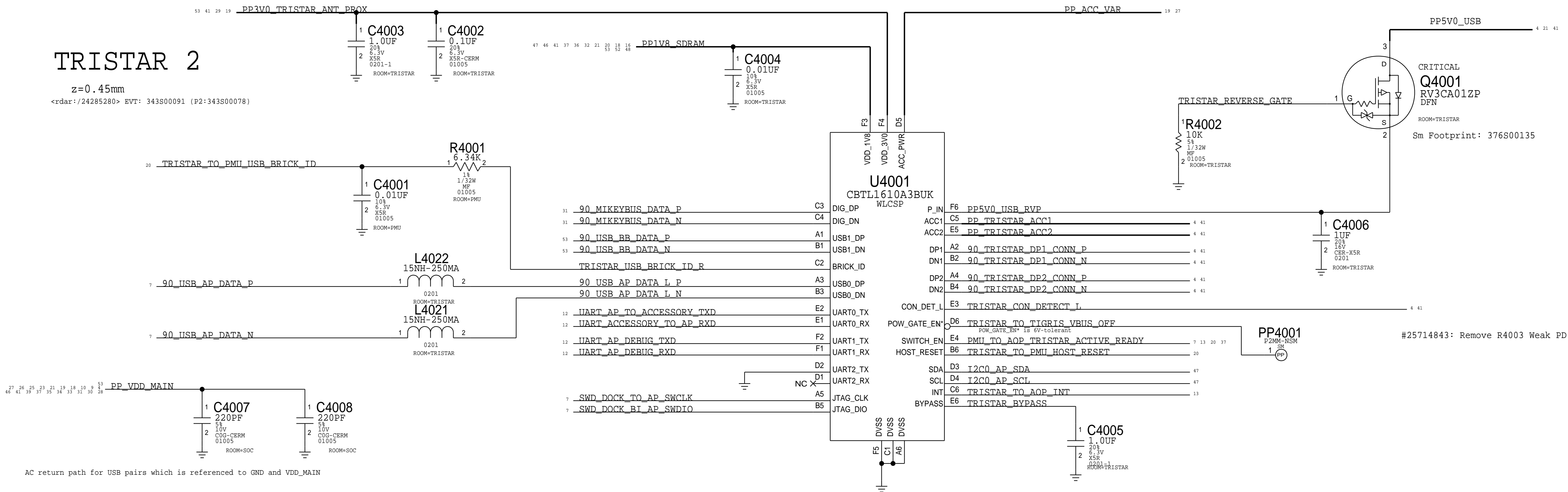



PAGE TITLE			
B2B:ORB & MESA			
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BRANCH			
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TRISTAR 2

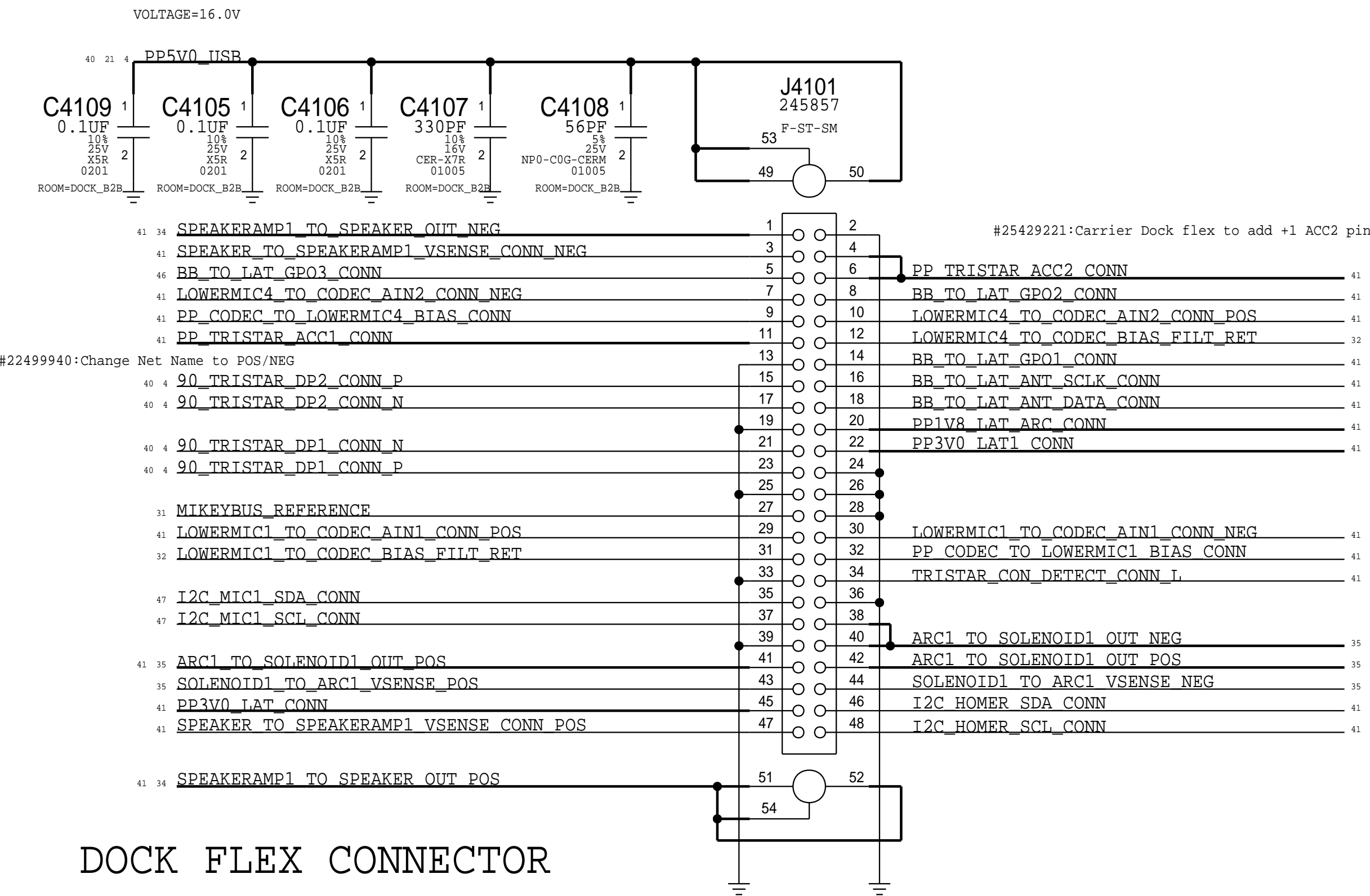
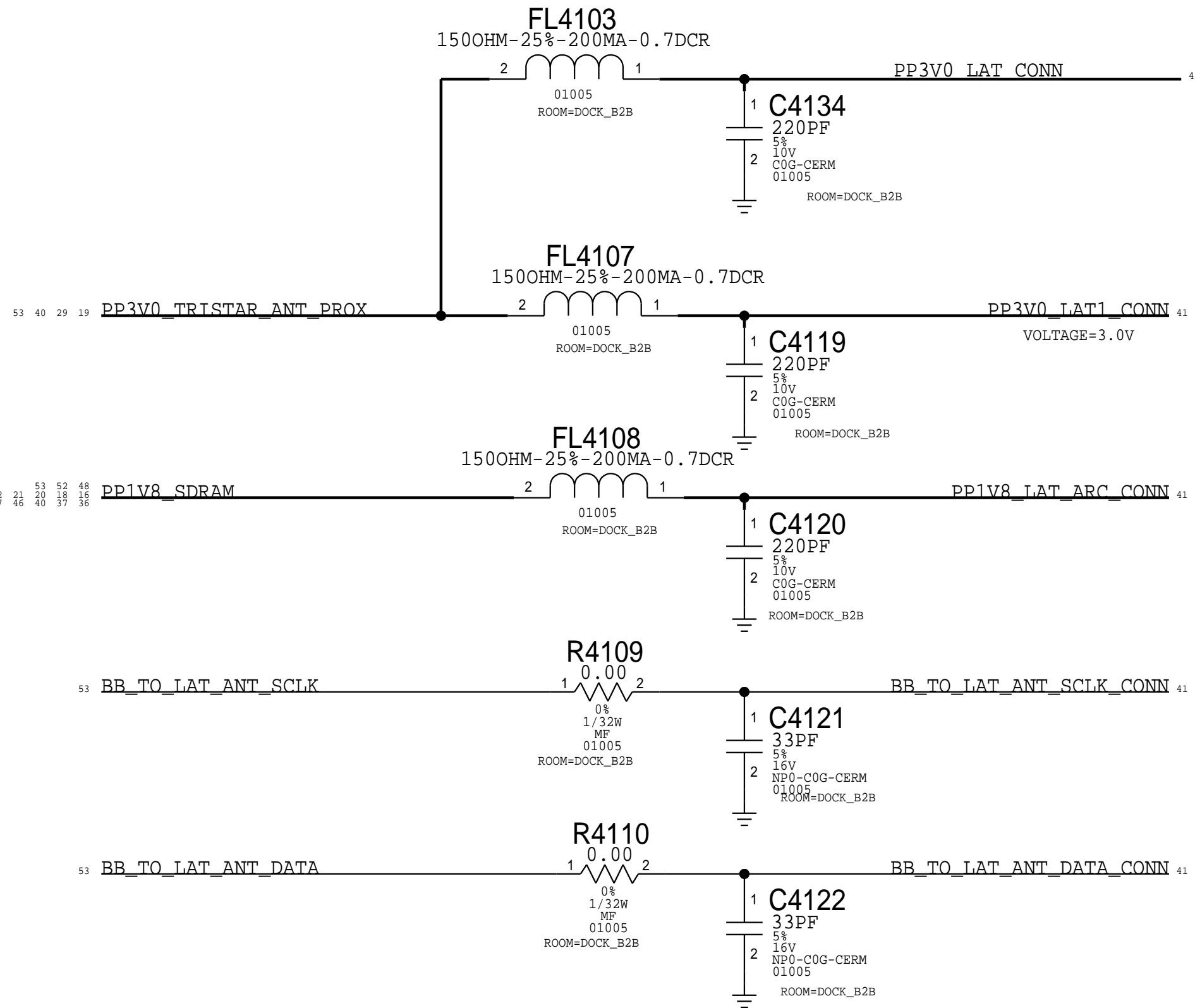
z=0.45mm
<rdar:24285280> EVT: 343S00091 (P2:343S00078)



PAGE TITLE			
TRISTAR 2			
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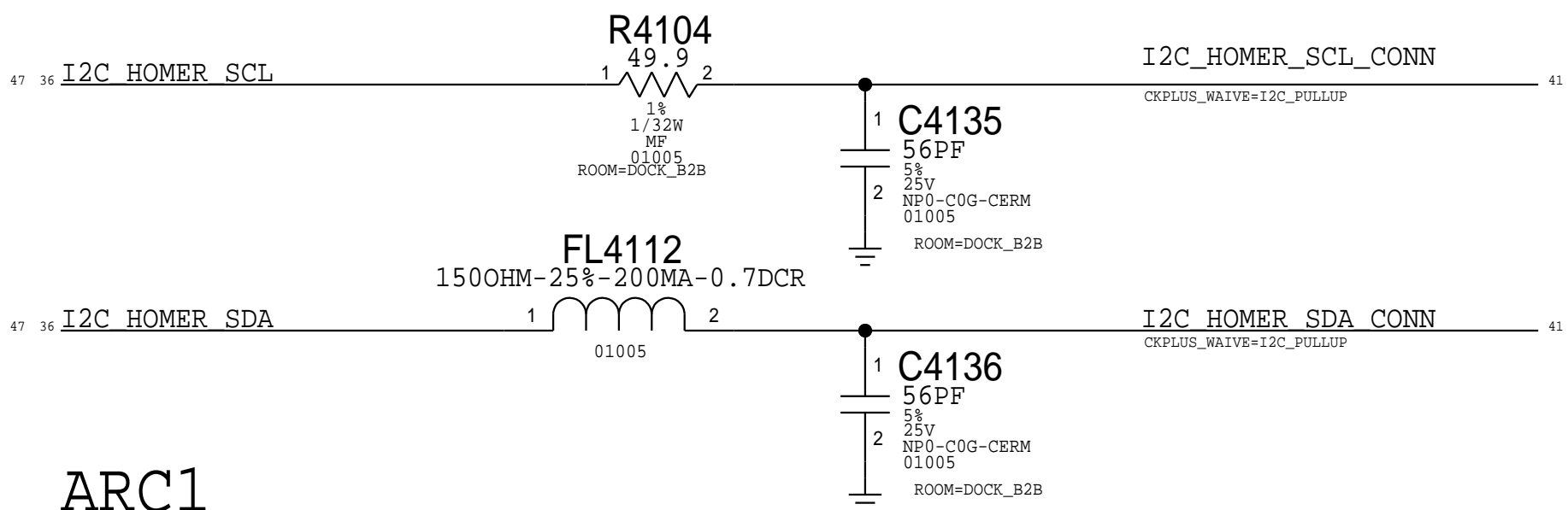
ANTENNA

Please loop in Matt Mow (Antenna Team)
when changing these components!

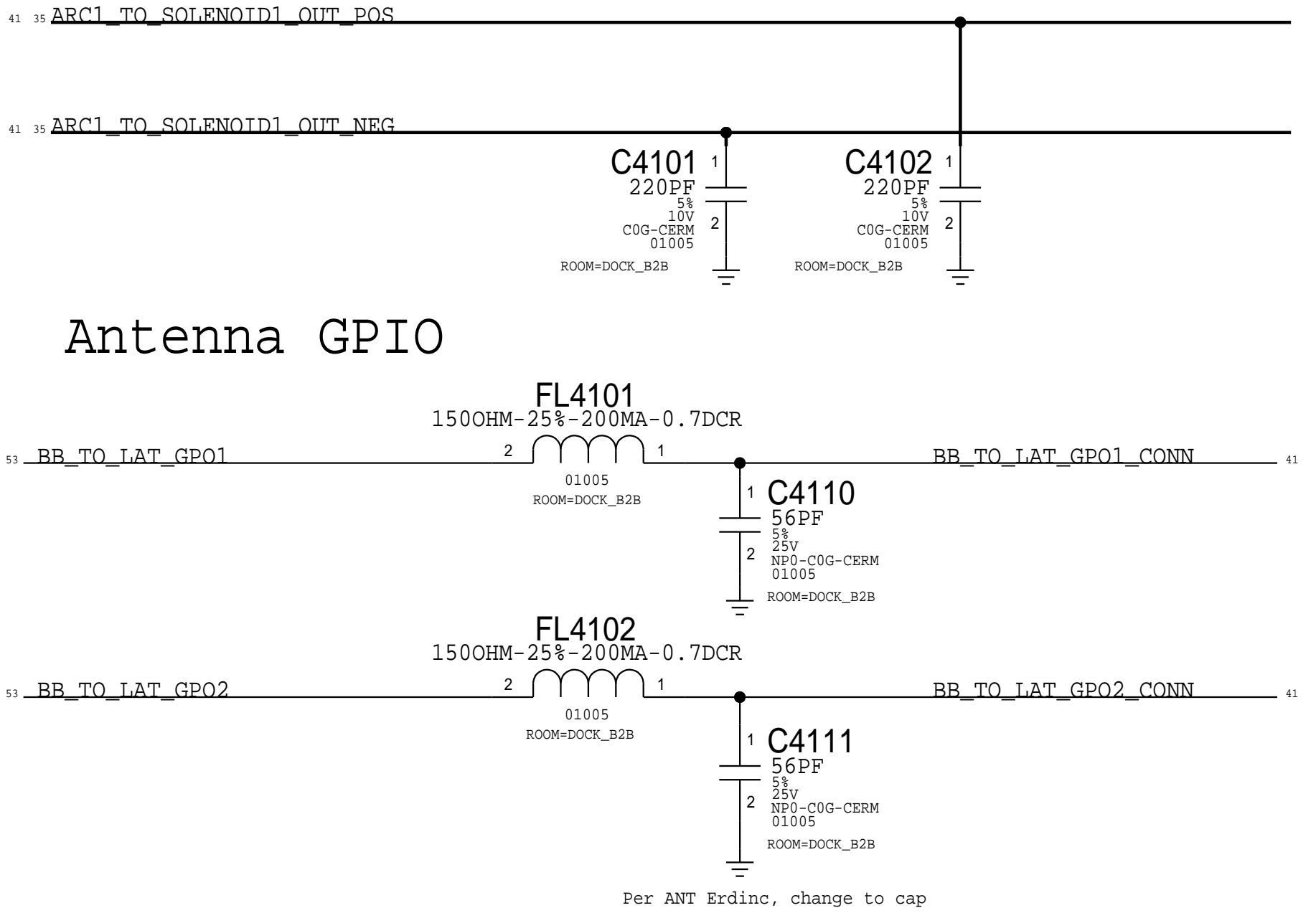


ARC CONTROL

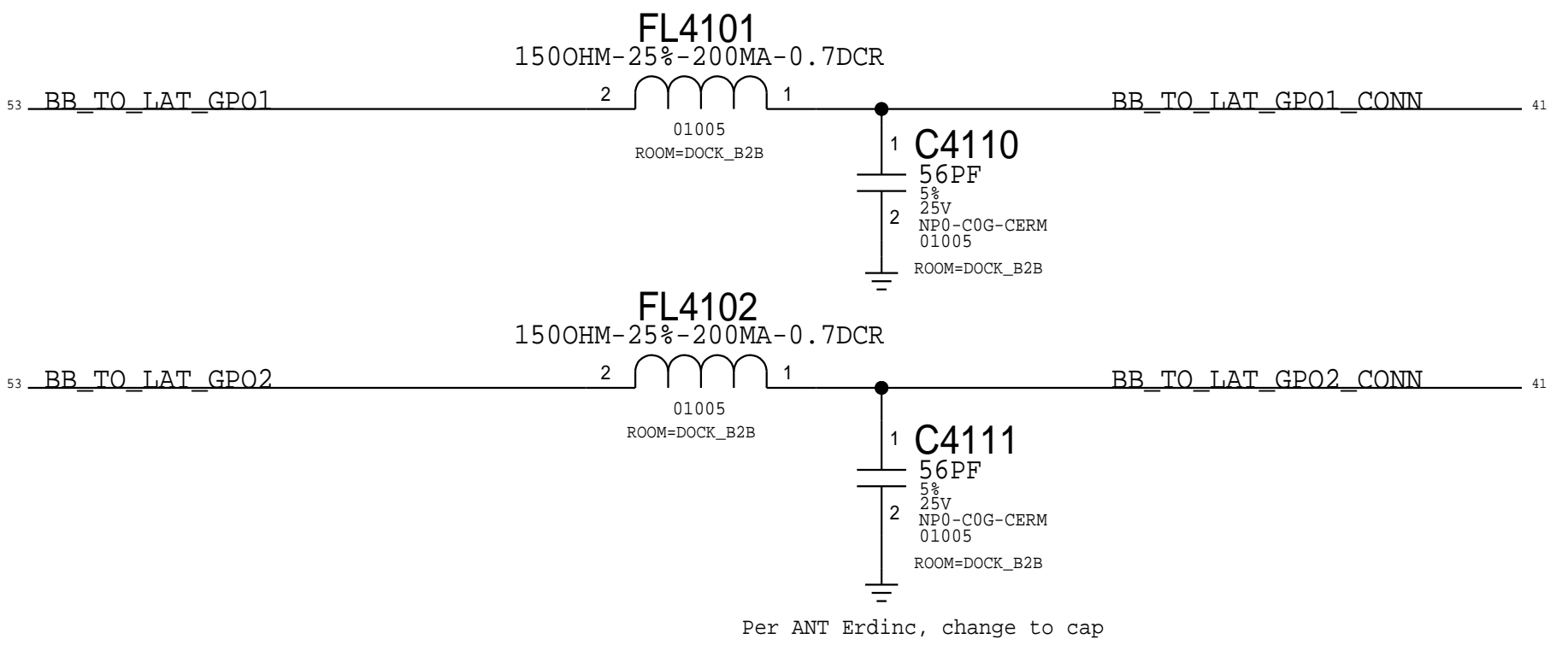
#26118161: Update FL4104 to 49.9ohm



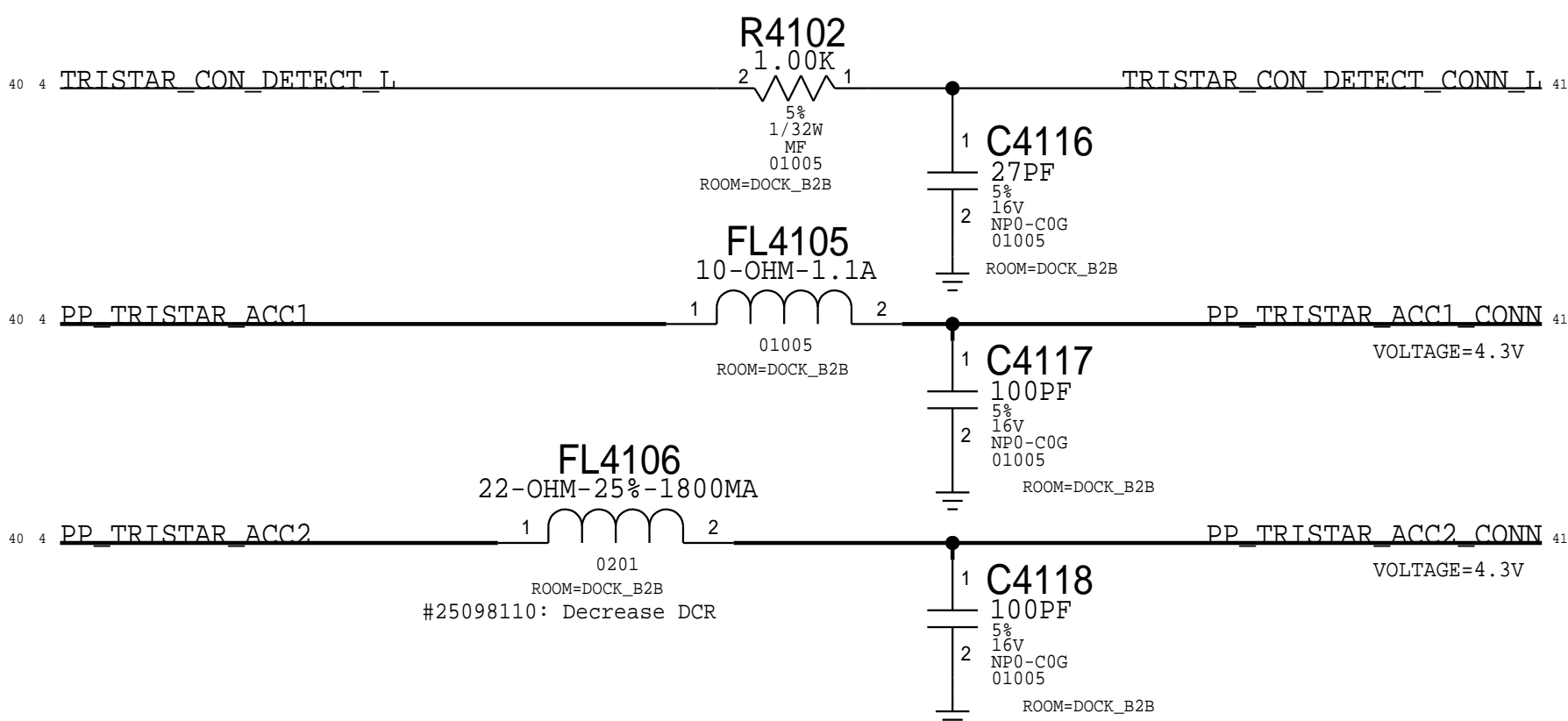
ARC1



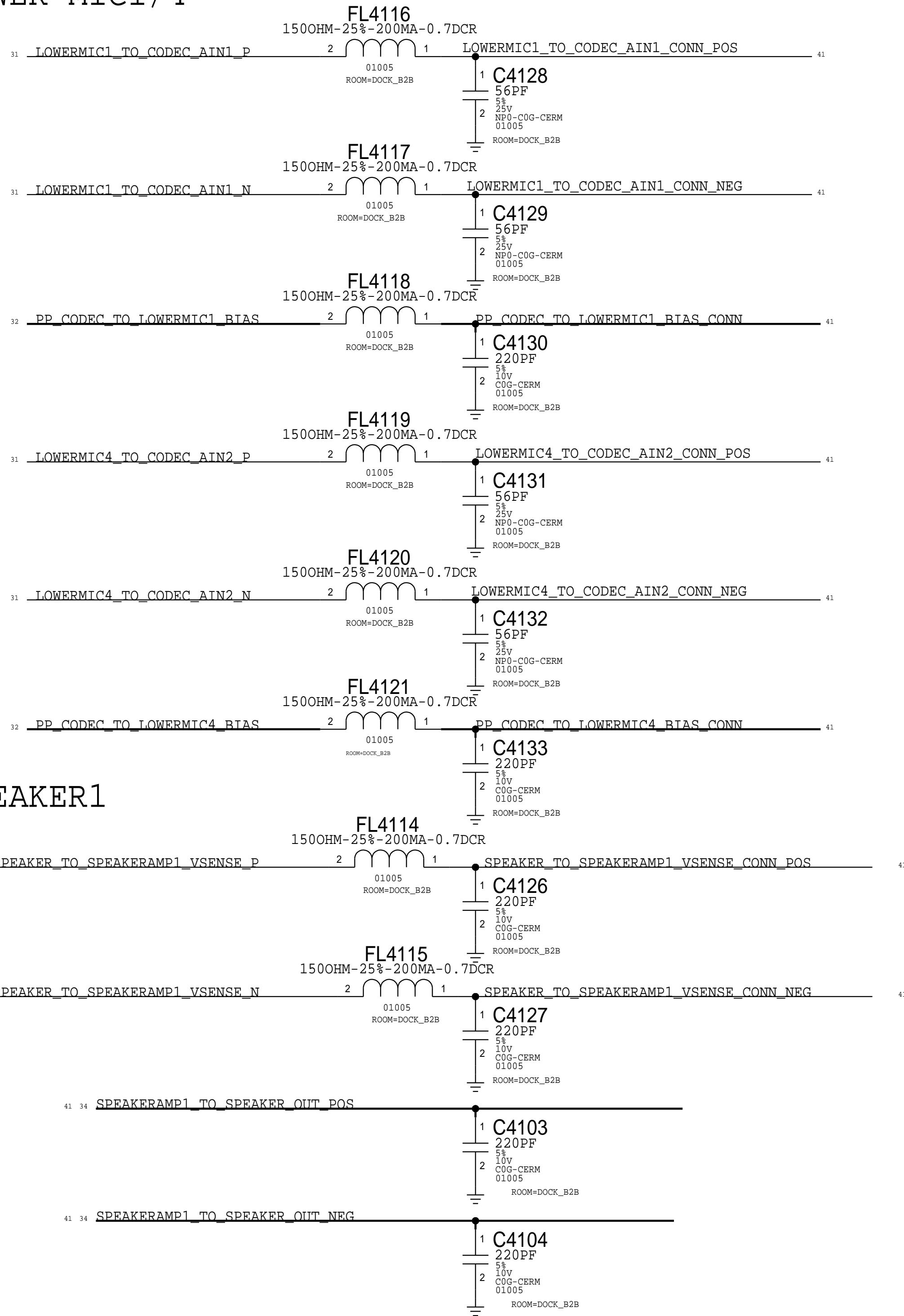
Antenna GPIO



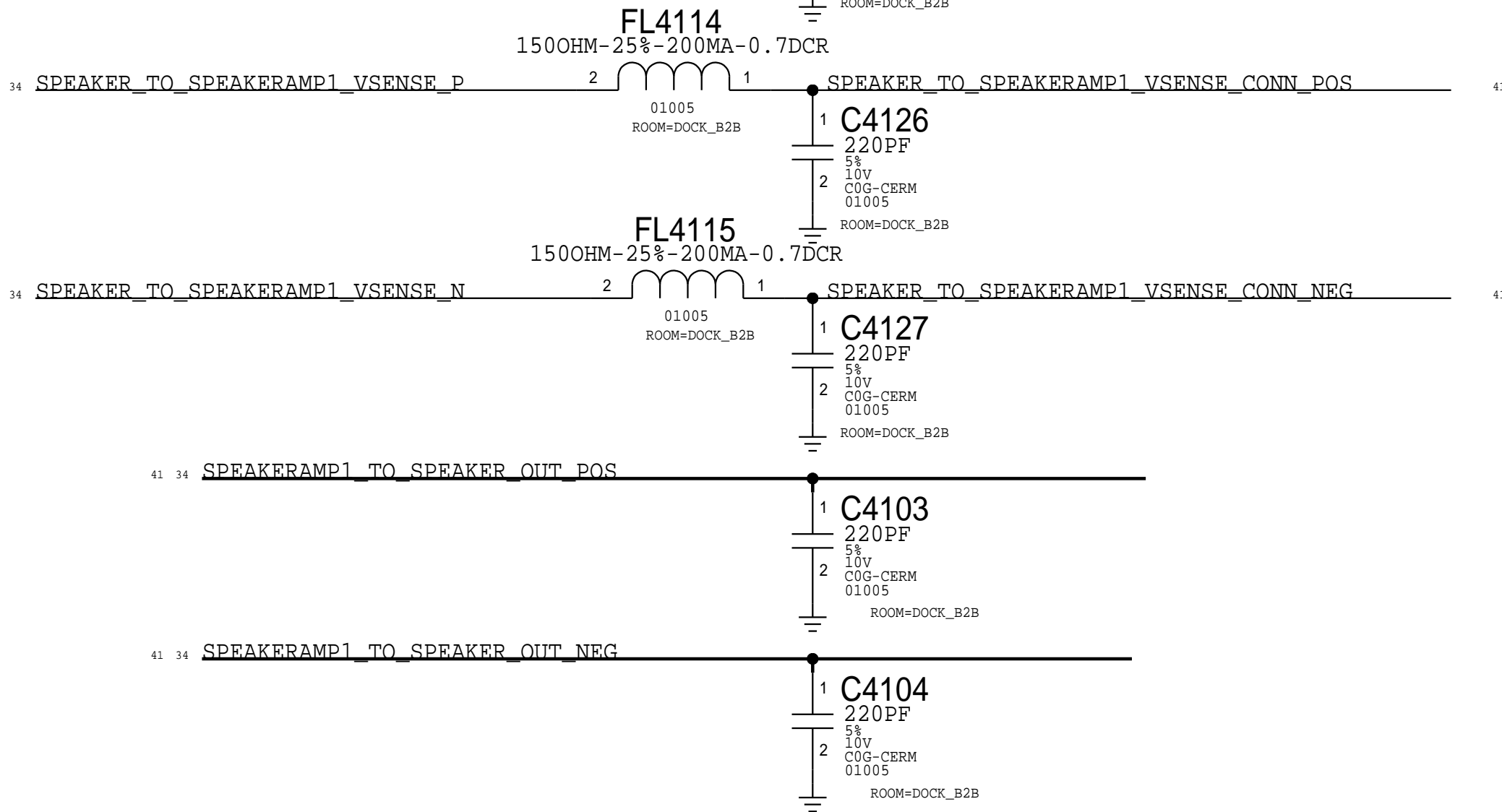
TRISTAR



LOWER MIC1/4

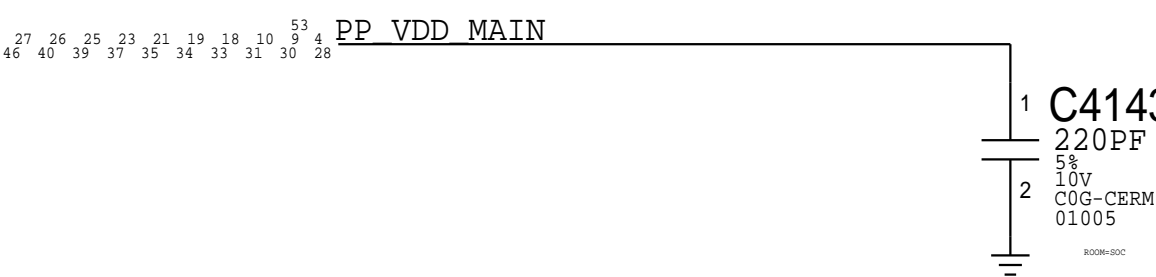



SPEAKER1




USB AC Coupling


AC return path for USB pairs which is referenced to GND and VDD_MAIN




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B2B:DOCK FLEX		
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8		7		6		5		4		3		2		1		
																D
																C
																B
																A
8		7		6		5		4		3		2		1		

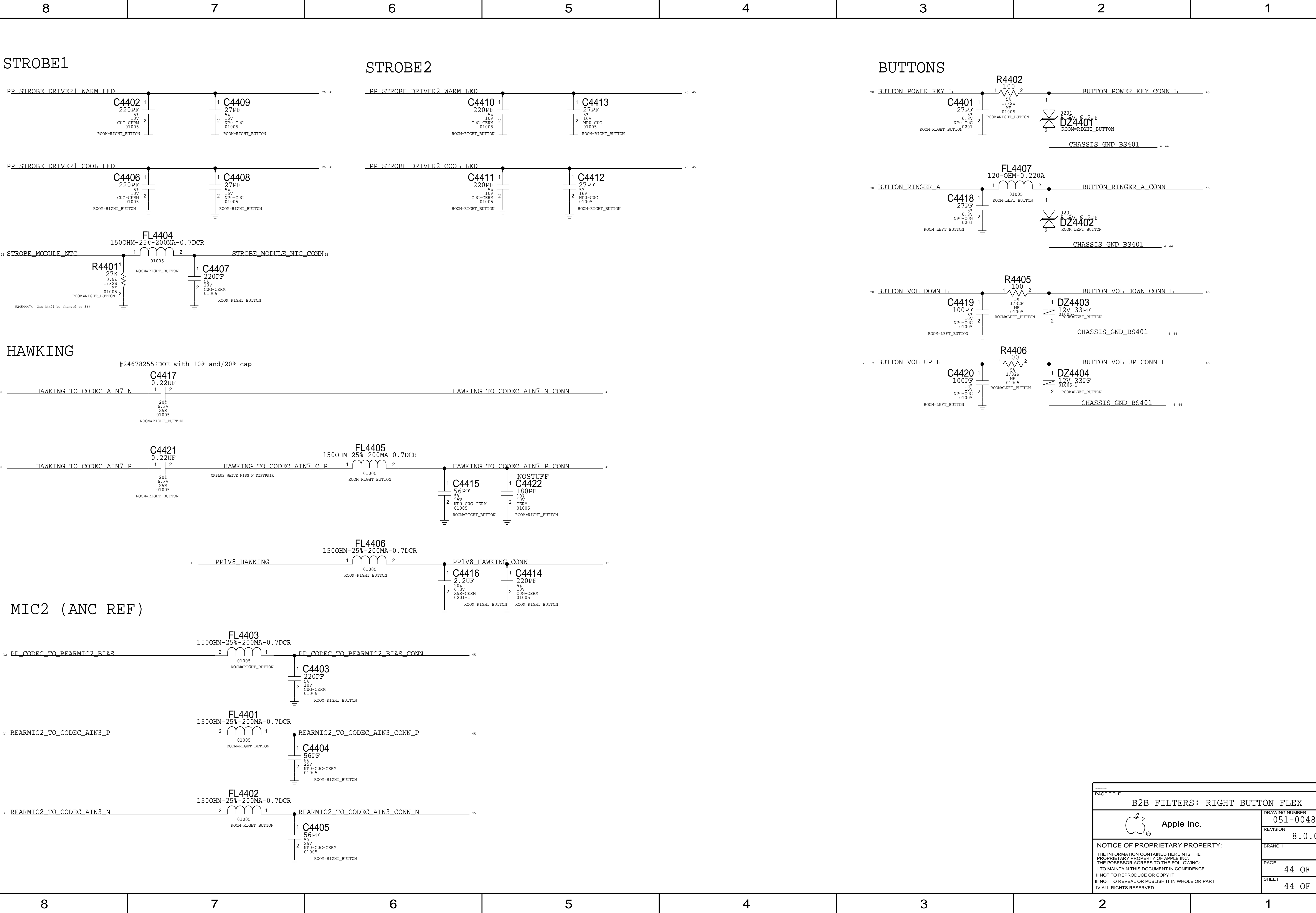
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8		7		6		5		4		3		2		1			
D																D	
C																C	
B																B	
A																A	
8		7		6		5		4		3		2		1			

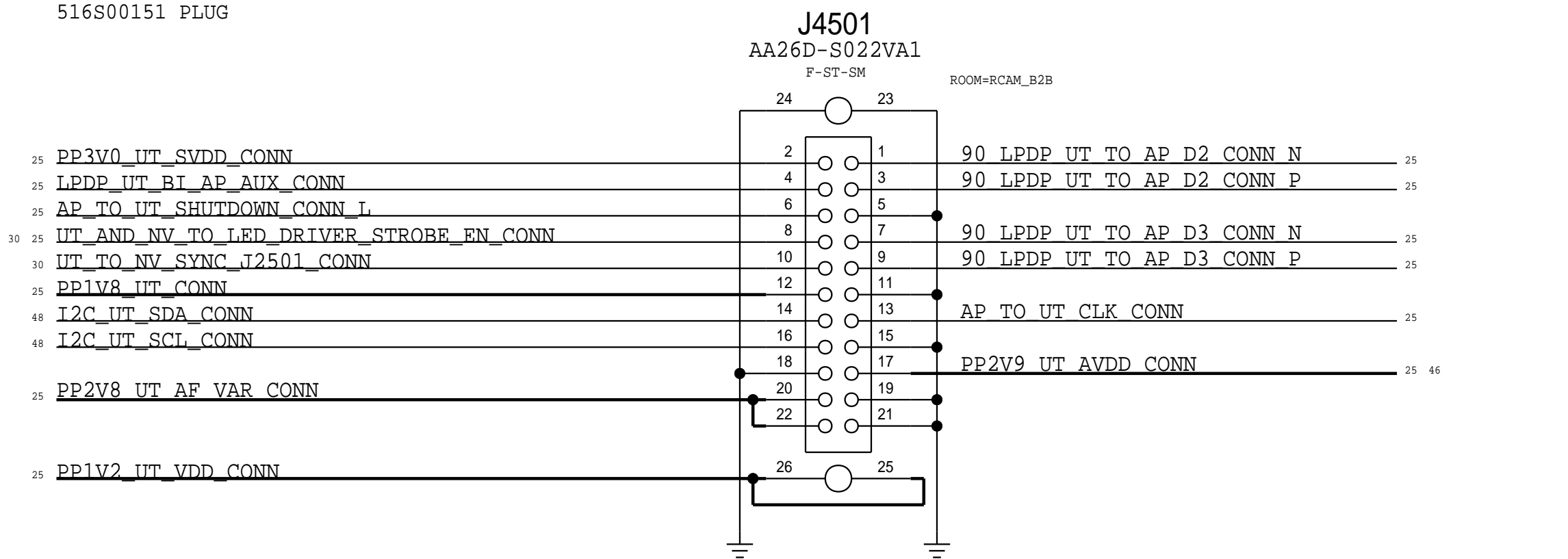
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spare		
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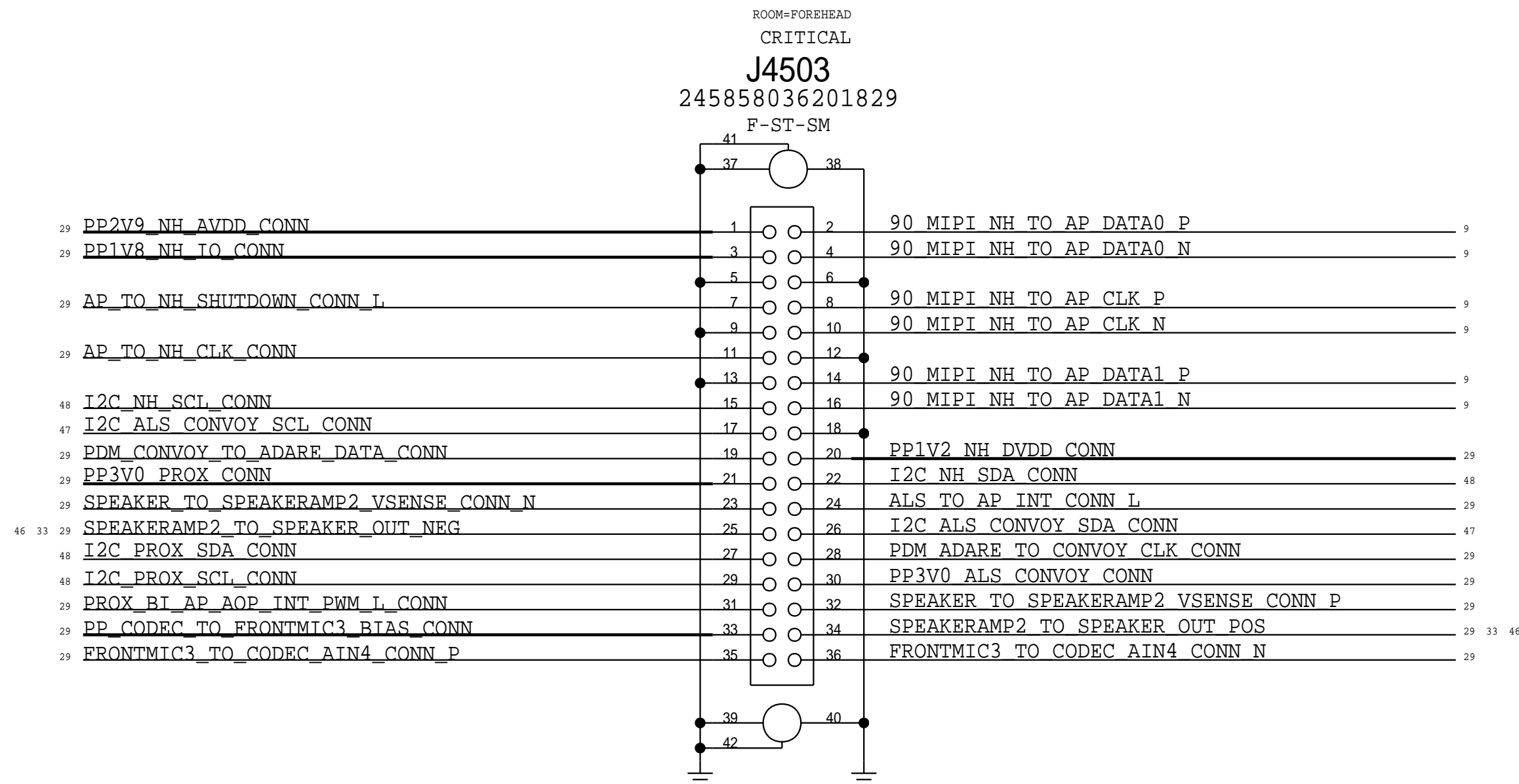
UTAH-D FLEX CONNECTOR

516S00152 RCPT (USED ON MLB) <-- THIS ONE
516S00151 PLUG



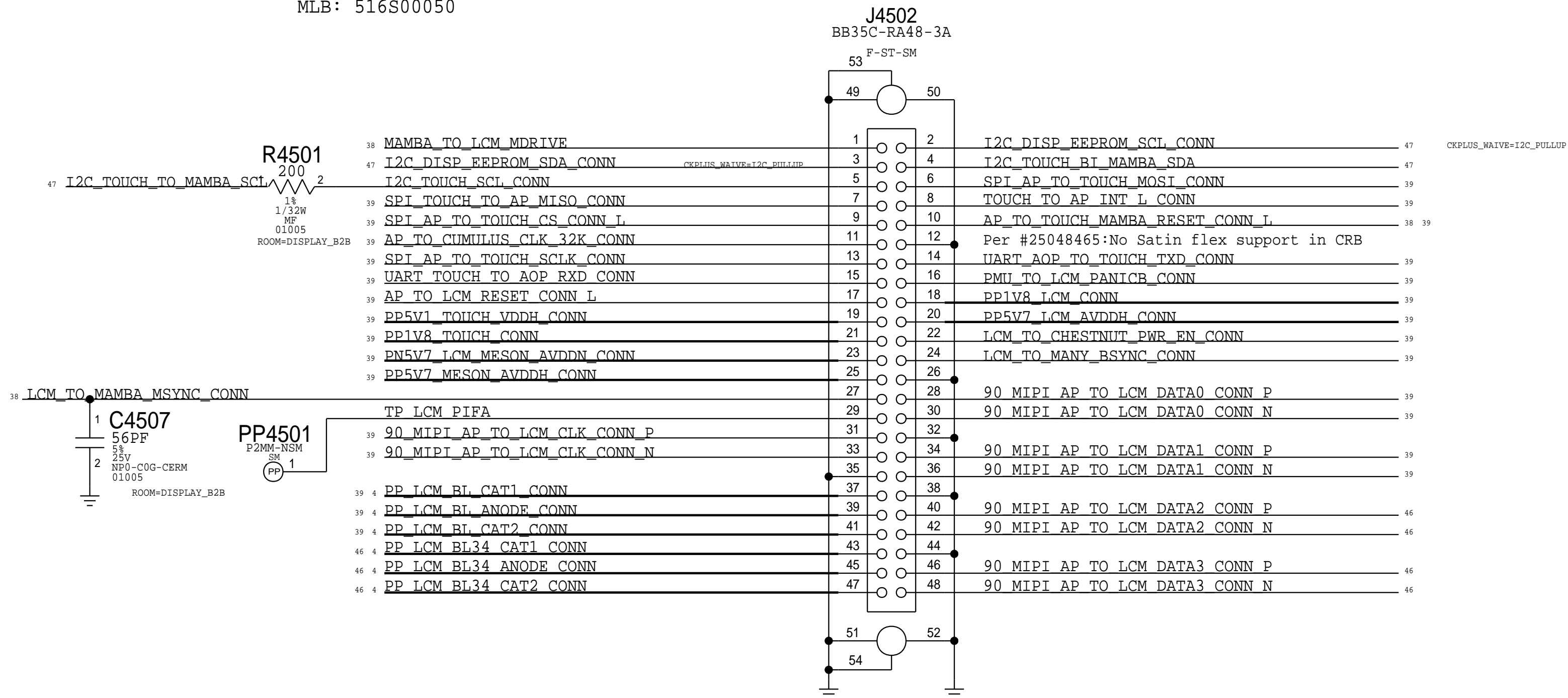
FOREHEAD FLEX CONNECTOR

MLB: 516S00146 (MCO REV 27)



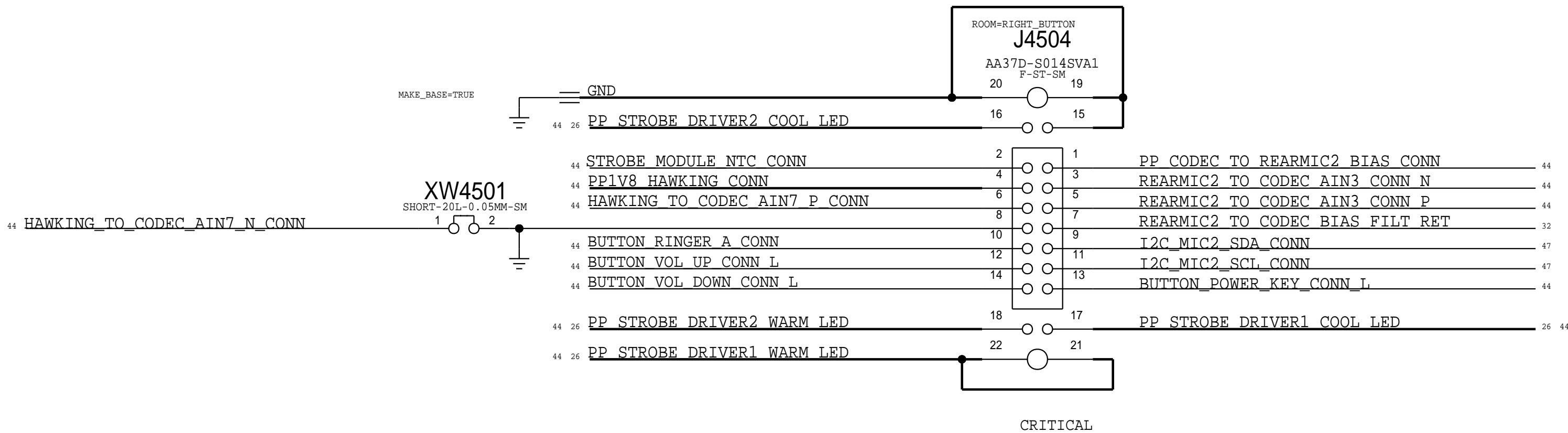
DISPLAY / TOUCH FLEX CONNECTOR

MLB: 516S00050



COMBO BUTTON FLEX CONNECTOR

APPLE APN: 516S00150 <-- THIS ONE ON MLB (matched MCO rev 27)
APPLE APN: 516S00149



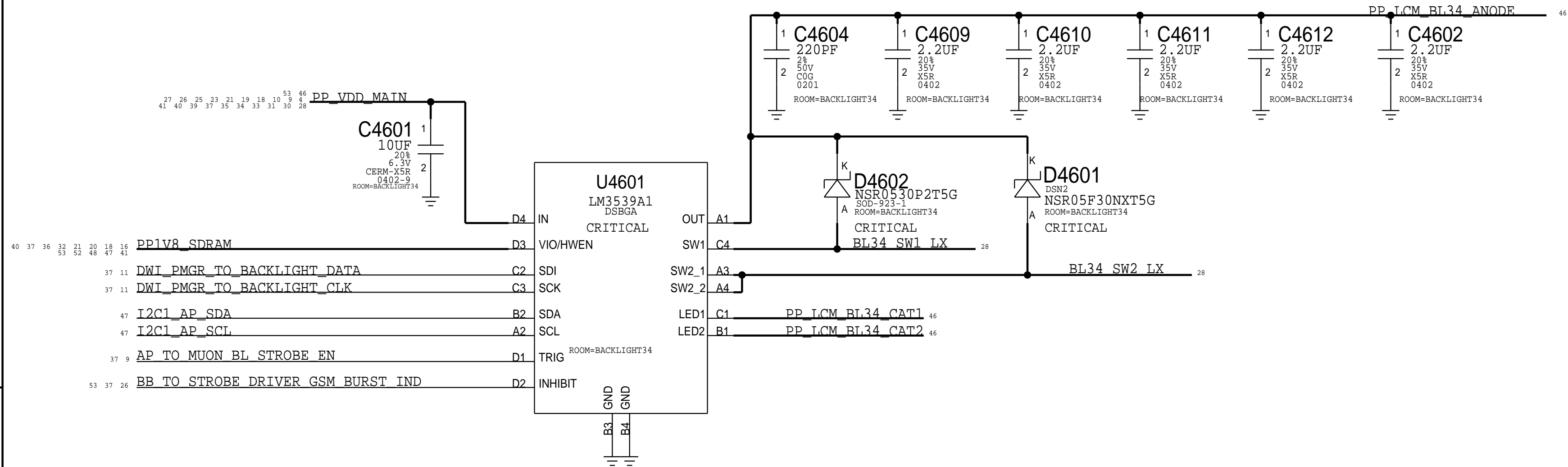
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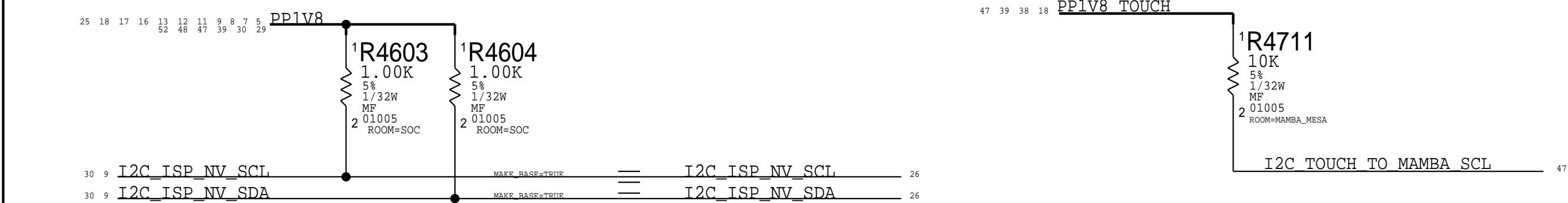
THIS PAGE UNIQUE TO LARGE FORM FACTOR

2ND BACKLIGHT DRIVER - 4LED



ISP I2C1

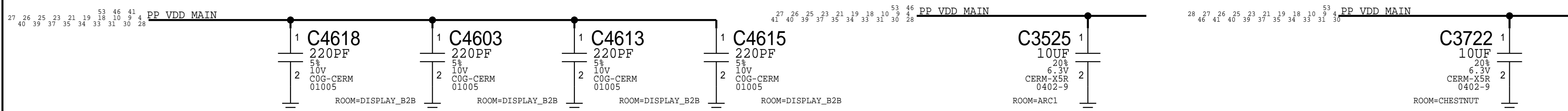
TOUCH I2C



VDD MAIN CAP
AC Coupling Caps

ARC CAP

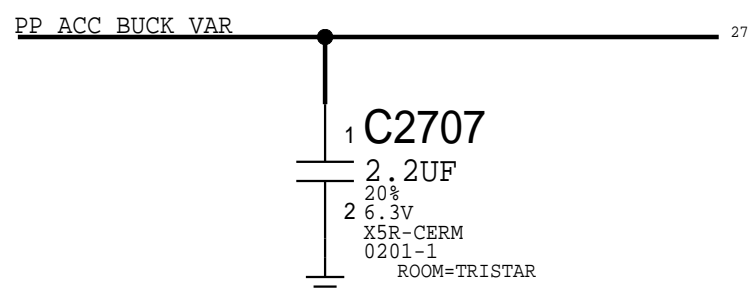
CHESTNUT CAP



AC return path for LCM MIPI which is referenced to GND and VDD_MAIN


Top Speaker Compass Coil

ACC Buck Caps



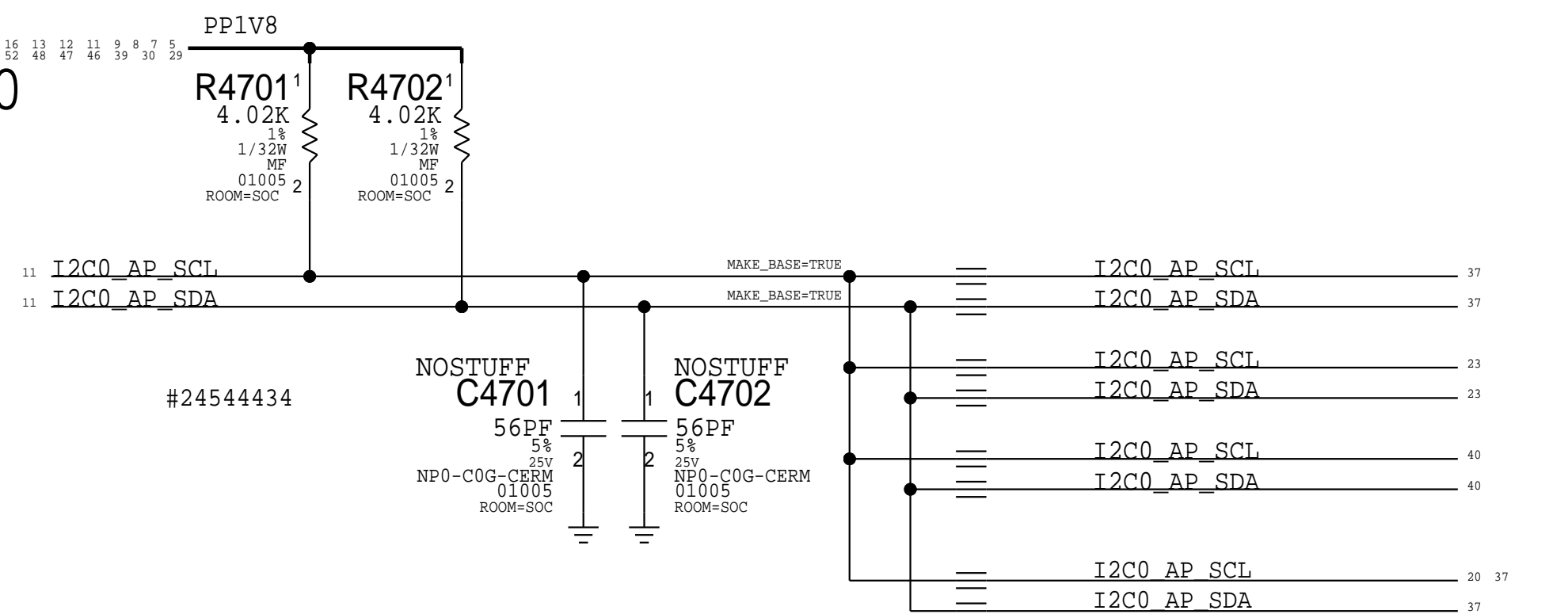
Extra RF GND



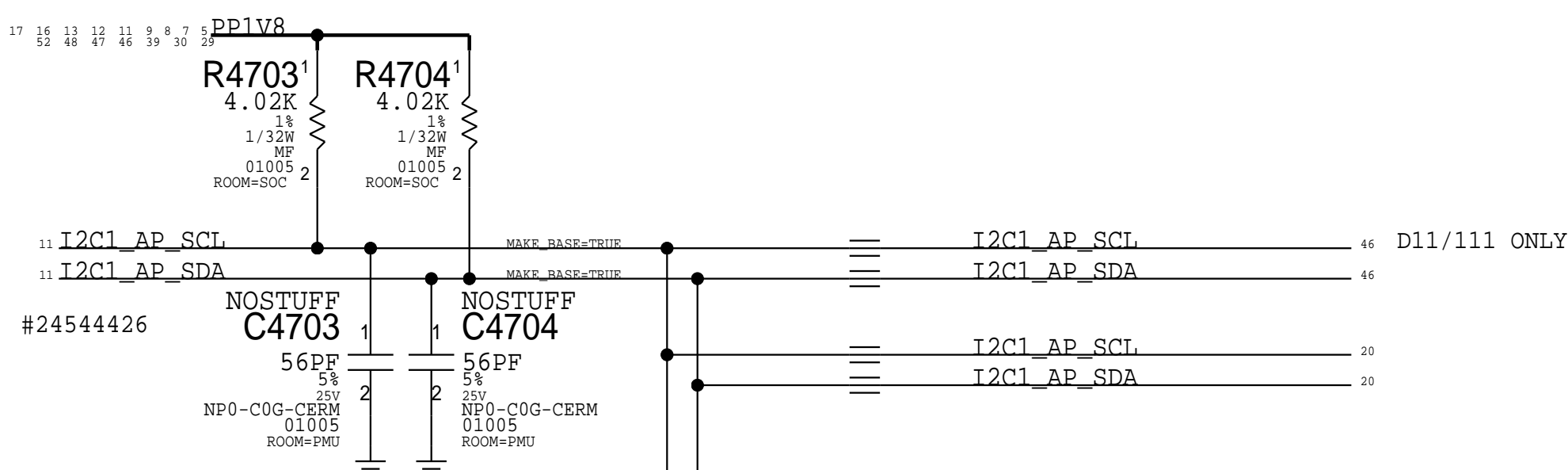
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LARGE FORM FACTOR SPECIFIC		
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AP

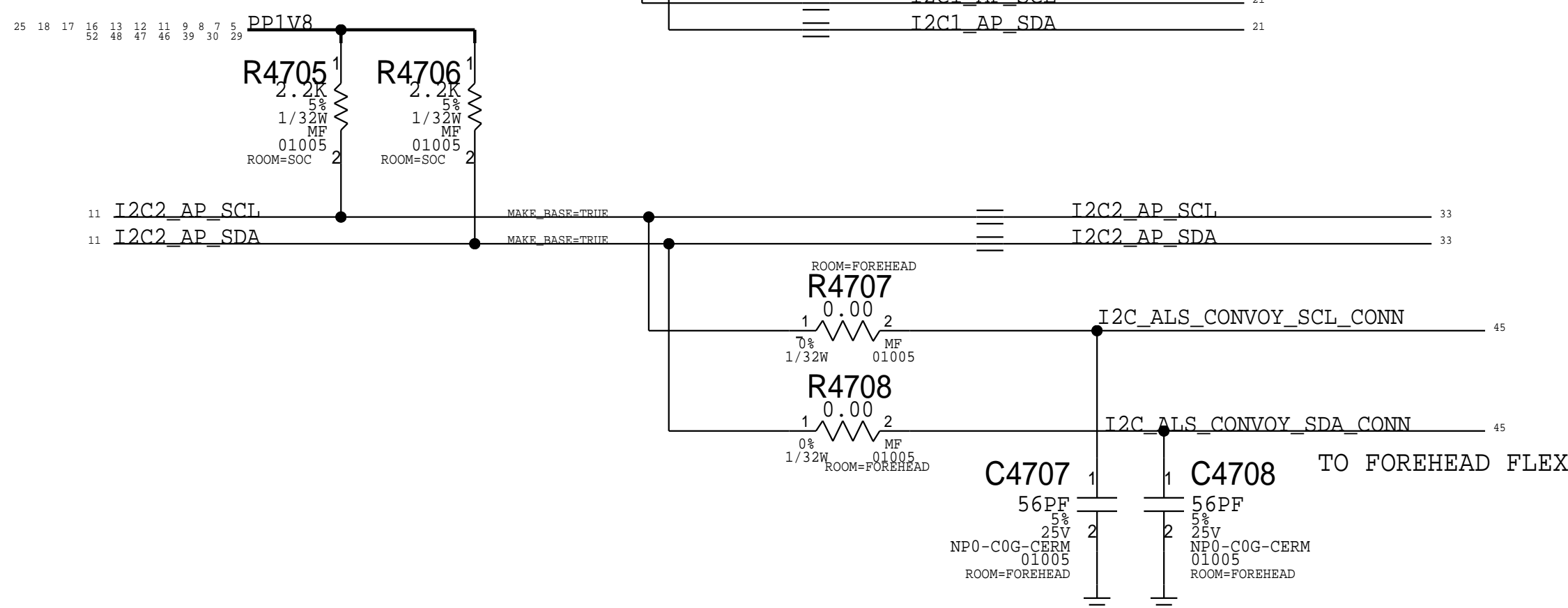
I2C0



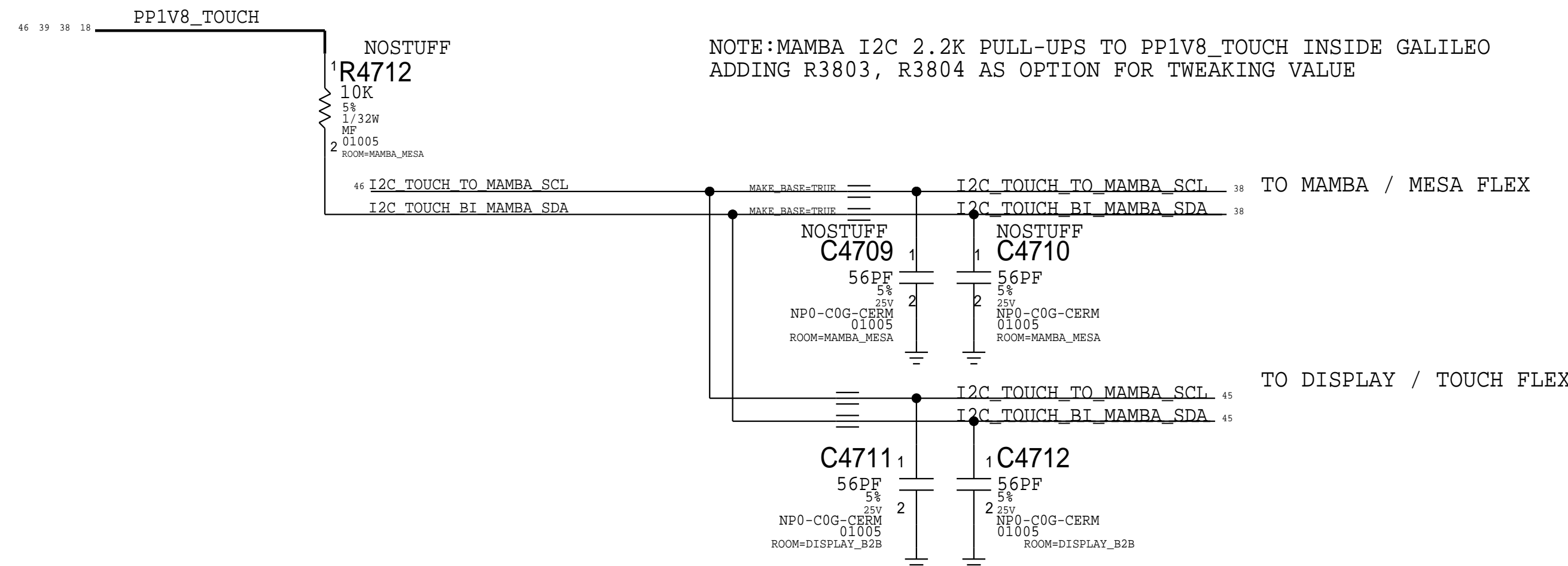
I2C1



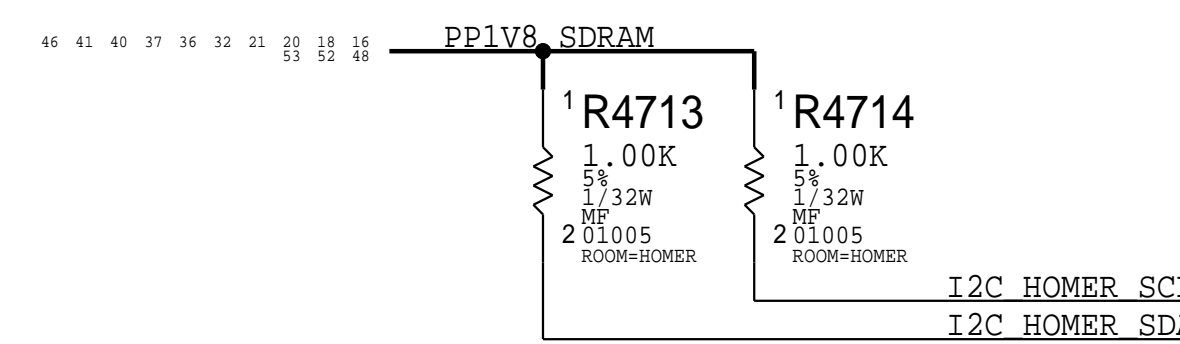
I2C2



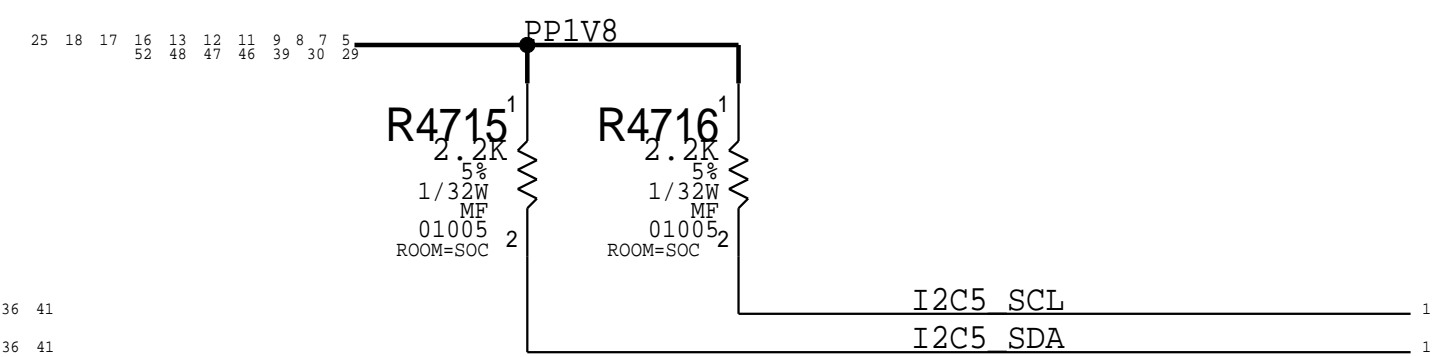
TOUCH



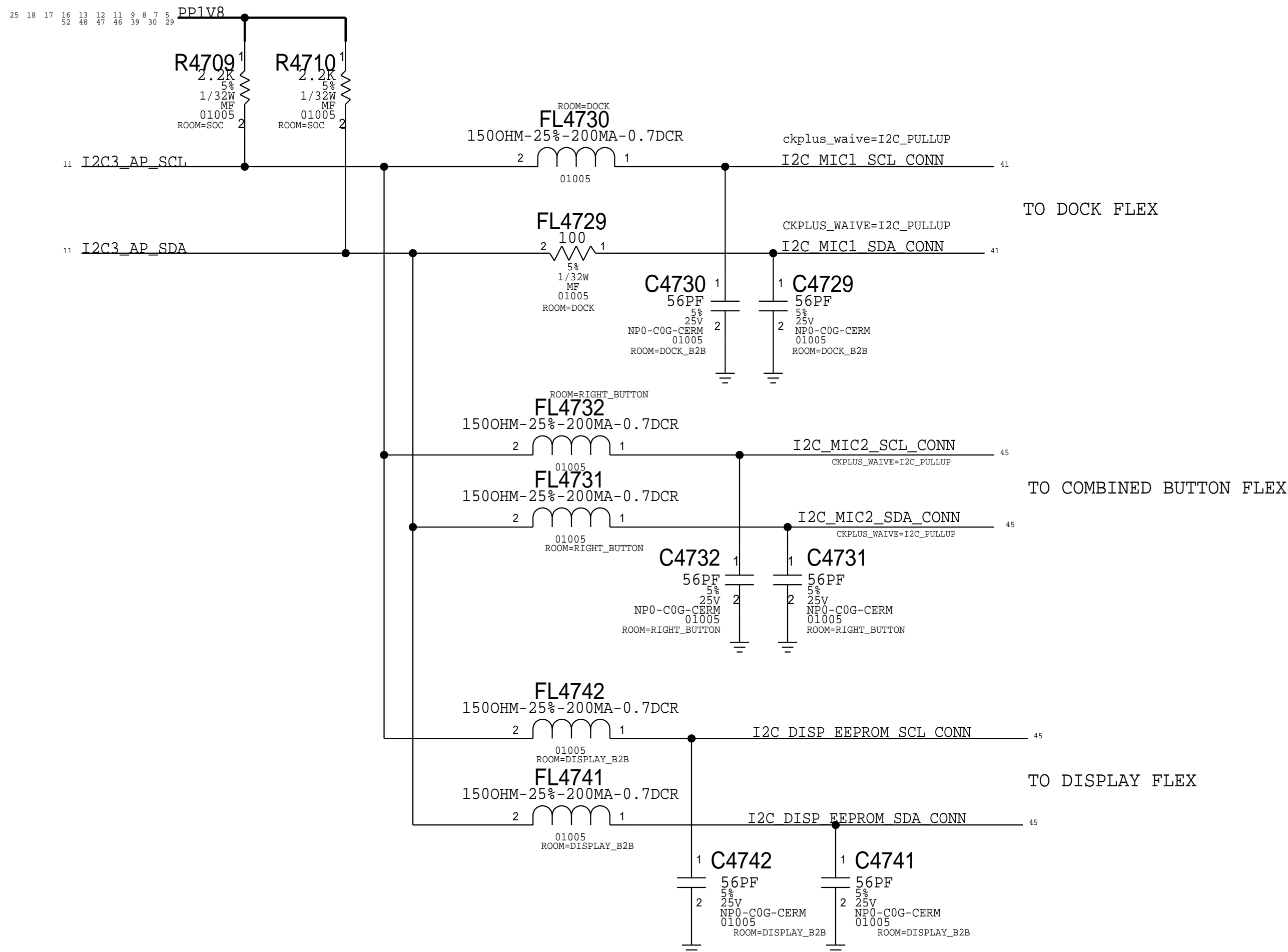
HOMER



I2C5



I2C3



PAGE TITLE		
I2C MAP: AP, TOUCH, HOMER, I2C5		
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AOP
I2C

ISP
I2C0


#24544699: Support 1MHz

#24550735: ISP I2C0 PU

#24958320: Intentional R4815 Change
Reduce undershoot when Prox Driving


Intentional R4815 Change

TO MAMBA/MESA FLEX

PAGE TITLE		
I2C MAP AOP		
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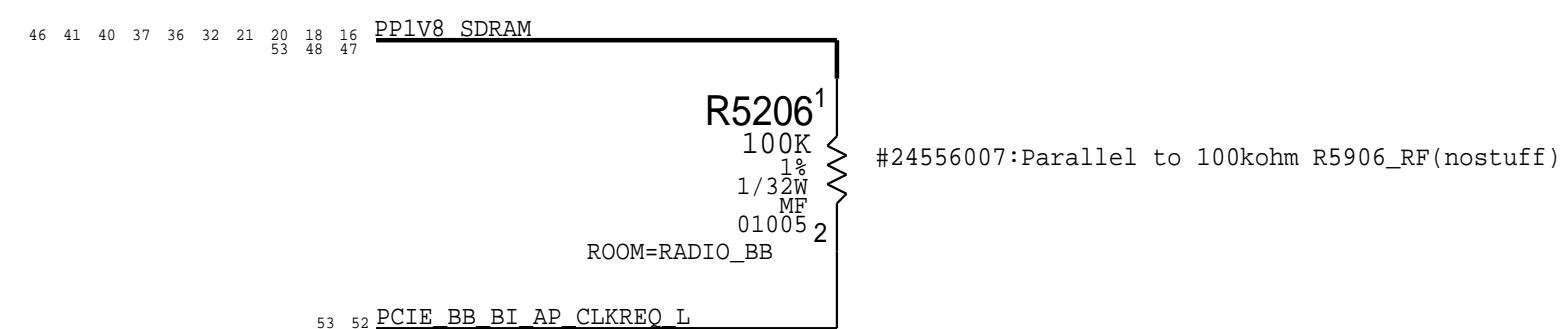
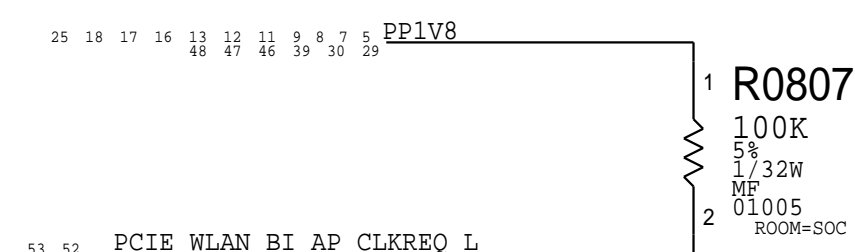
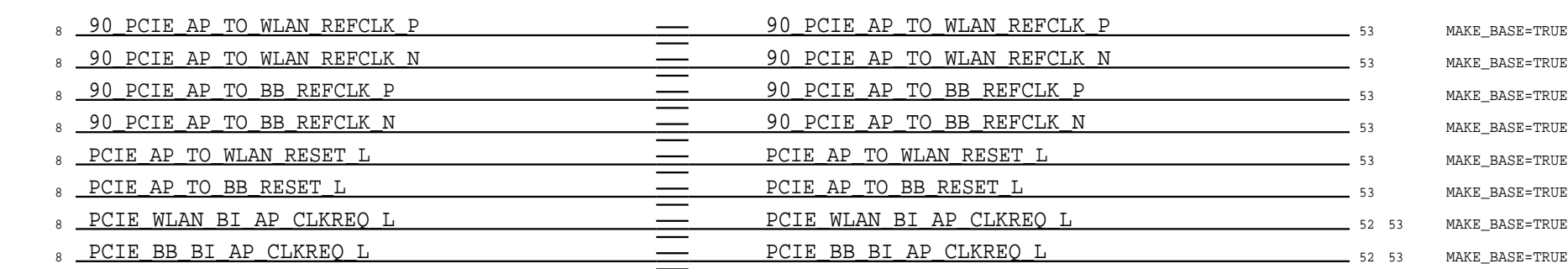
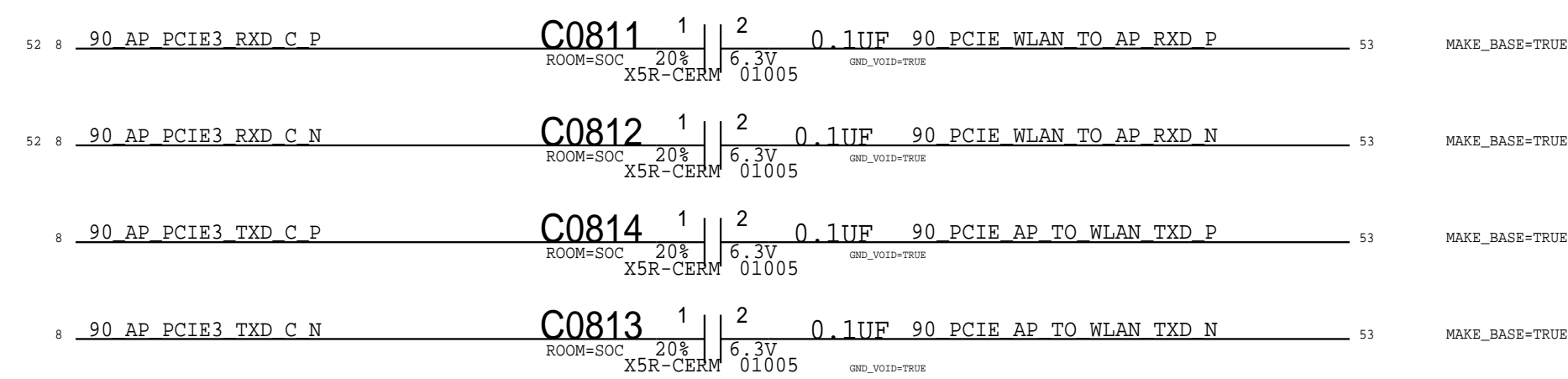
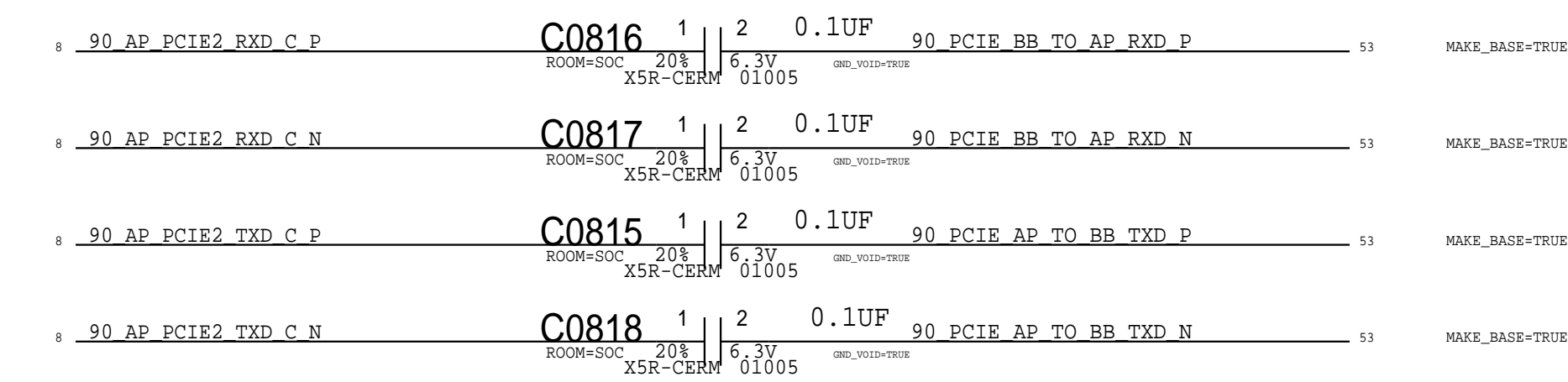
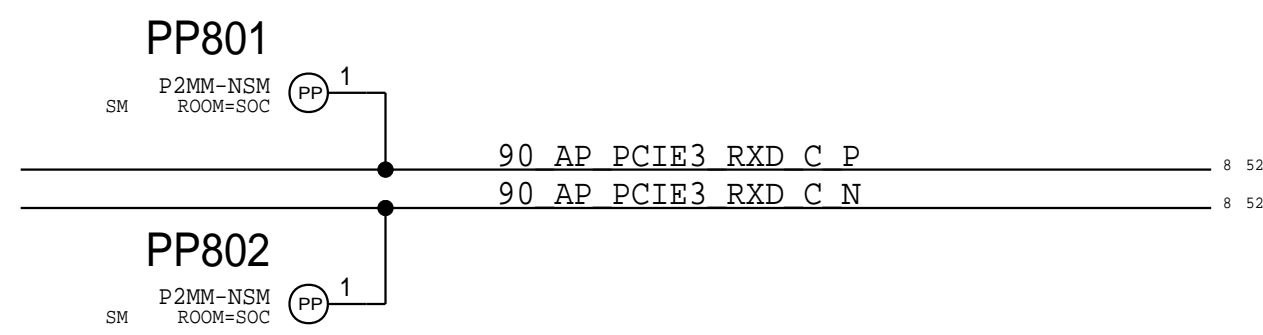
D1x I2C Table

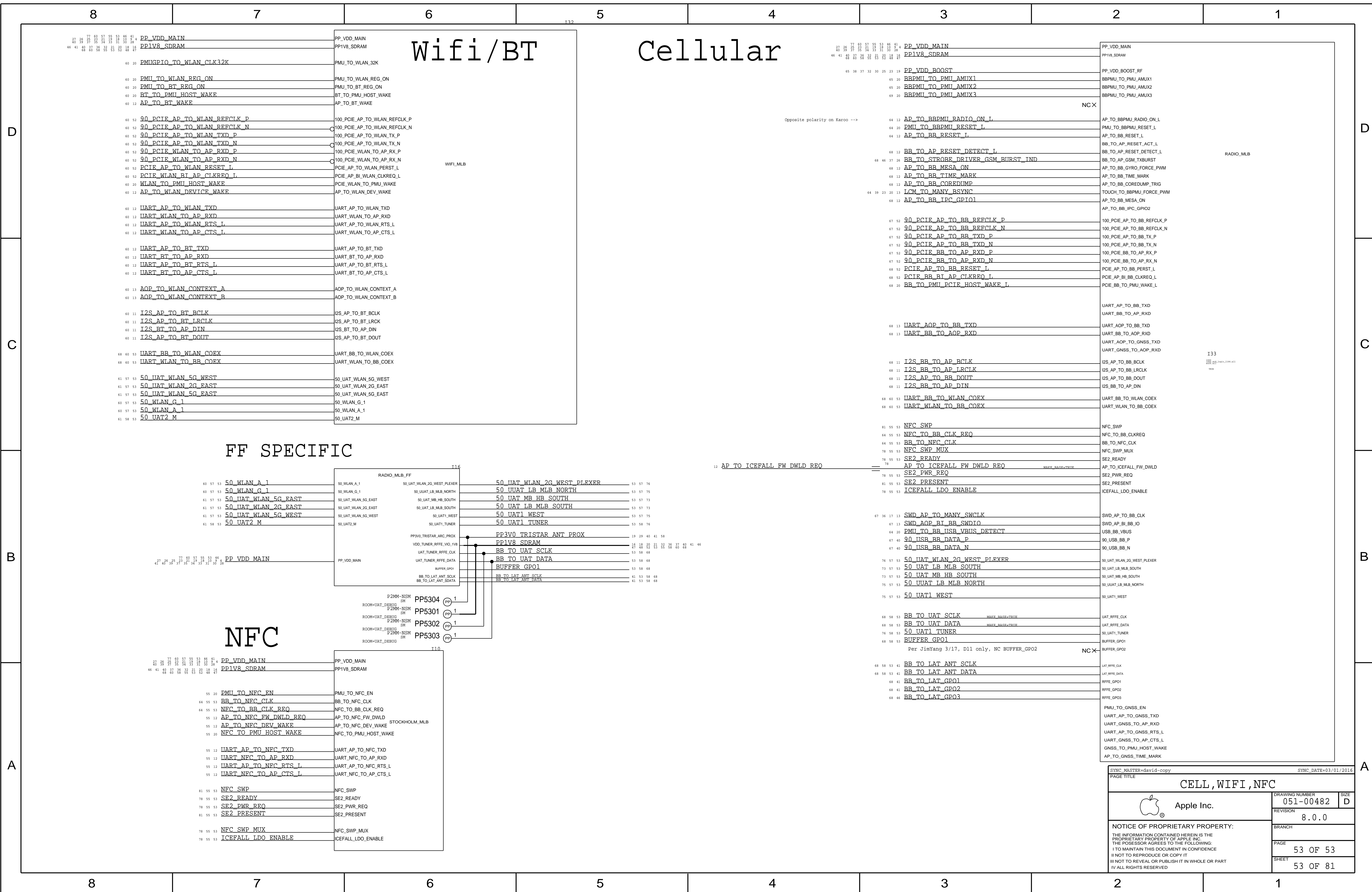
Bus	Device	Binary	7-bit Address	8-bit Address	Max Speed
ISP I2C0 <i>1MHz</i>	SALT LAKE (PRIMARY)	0010000X	0x10	0x20	1 MHz
	SALT LAKE (SECONDARY)	0110000X	0x30	0x60	1 MHz
	GRUNBERG (STANDARD)	0011100X	0x1C	0x38	1 MHz
	GRUNBERG (SPECIAL ABSOLUTE R/W)	0011101X	0x1D	0x3A	1 MHz
	GRUNBERG (SPECIAL DELTA READ)	0011110X	0x1E	0x3C	1 MHz
	STROBE 1	1100011X	0x63	0xC6	1 MHz
ISP I2C1 <i>1MHz</i>	LAS VEGAS (PRIMARY)	0100000X	0x20	0x40	1 MHz
	LAS VEGAS (SECONDARY)	0110000X	0x30	0x60	1 MHz
	EDWIN	1100011X	0x63	0xC6	400 kHz
	STROBE 2	0000110X	0x06	0x0C	1 MHz
ISP I2C2 <i>400kHz</i>	CONCORD	0010000X	0x10	0x20	1 MHz
AOP I2C <i>1MHz</i>	ARC DRIVER 1	100000YX	0x41	0x82	1 MHz
	PROX	1011000X	0x58	0xB0	1 MHz
	SPKAMP1 (L26)	100000YX	0x40	0x80	1 MHz
	TURTLE	0101100X	0x2c	0x58	400 kHz
	MESA	1100001X	0x61	0xC2	400 kHz
Touch I2C <i>600kHz</i>	MAMBA	1100000X	0x60	0xC0	1 MHz
	MESON	1000000X	0x40	0x80	510 kHz
EEPROM I2C	EEPROM	1010001X	0x51	0xA2	400 kHz
AP I2C0 <i>400kHz</i>	BOOST	1110101X	0x75	0xEA	3.4 MHz
	TRISTAR	0011010X	0x1A	0x34	400 kHz
	BACKLIGHT 1	1100010X	0x62	0xC4	1 MHz
	CHESTNUT	0100111X	0x27	0x4E	400 kHz
AP I2C1 <i>400kHz</i>	ADELYN	1110100X	0x74	0xE8	400 kHz
	TIGRIS	1110101X	0x75	0xEA	400 kHz
	BACKLIGHT 2	1100010X	0x62	0xC4	1 MHz
AP I2C2 <i>400kHz</i>	ALS	0101001X	0x29	0x52	400 kHz
	CONVOY	0100001X	0x21	0x42	3.4 MHz
		0100010X	0x22	0x44	400 kHz
	SPKAMP 2 (L26)	10000ZYX	0x40	0x80	400 MHz
AP I2C3 <i>100kHz</i>	DOCK FLEX (MIC1)	1010100X	0x54	0xA8	1 MHz
	COMBINED BUTTON FLEX (MIC2)	1010100X	0x56	0xAC	1 MHz
	DISP EEPROM	1010001X	0x51	0xA2	400kHz
Homer I2C <i>1MHz</i>	SCHRODINGER (STANDARD)	0001110X	0xE	0x1C	1 MHz
	SCHRODINGER (CAL REG'S)	0001111X	0xF	0x1D	1 MHz
	EEPROM (STANDARD)	1010000X	0x50	0xA0	
	EEPROM (CONFIG)	1010000X	0x50	0xA0	

PAGE TITLE						
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	Apple Inc.		DRAWING NUMBER	051-00482	SIZE	D
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			PAGE			
			SHEET			

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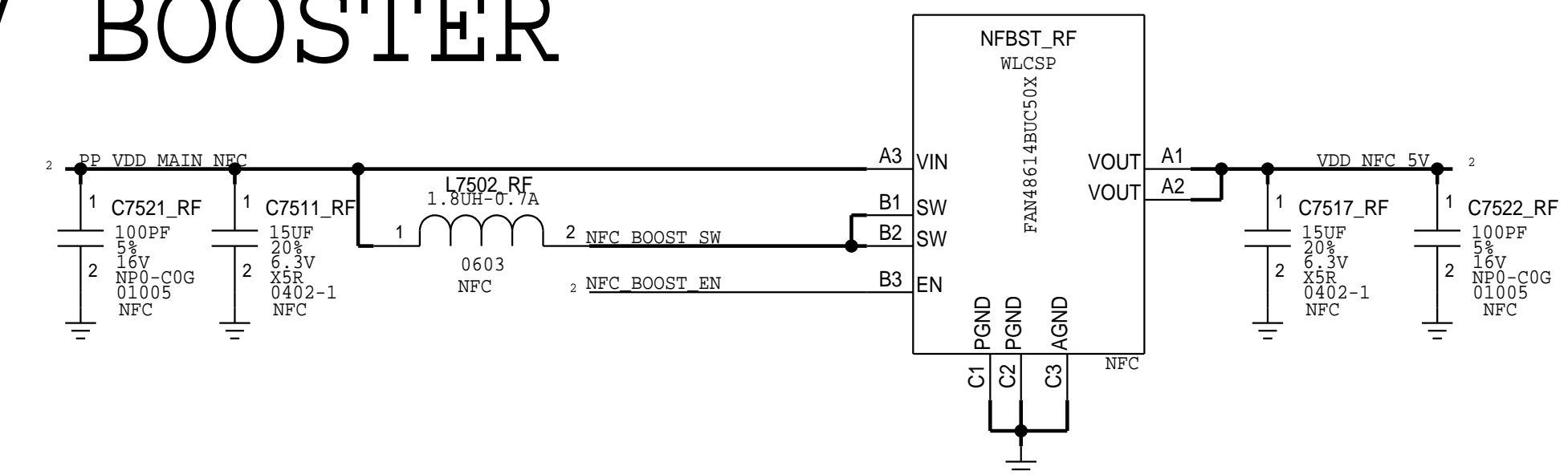
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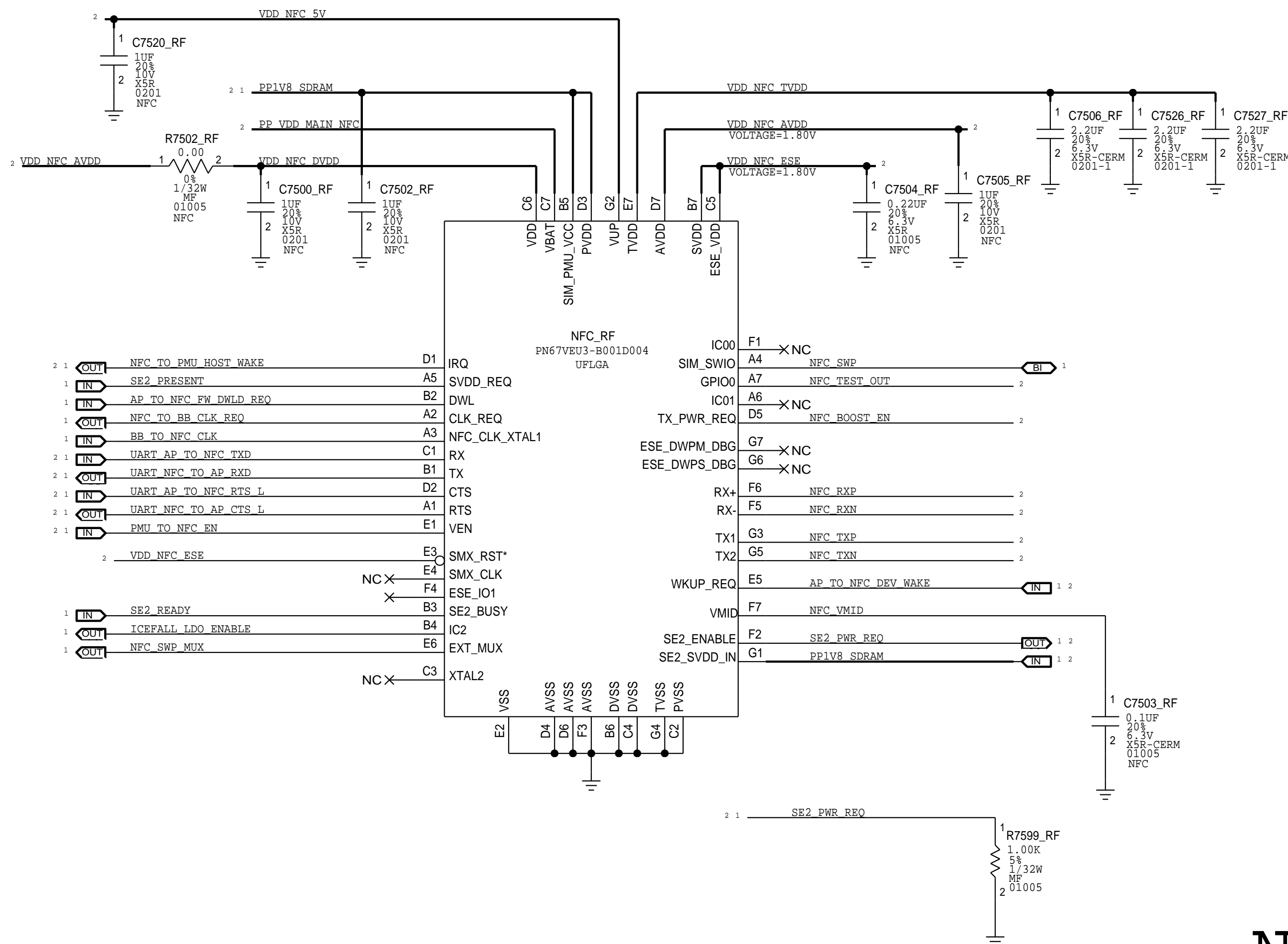


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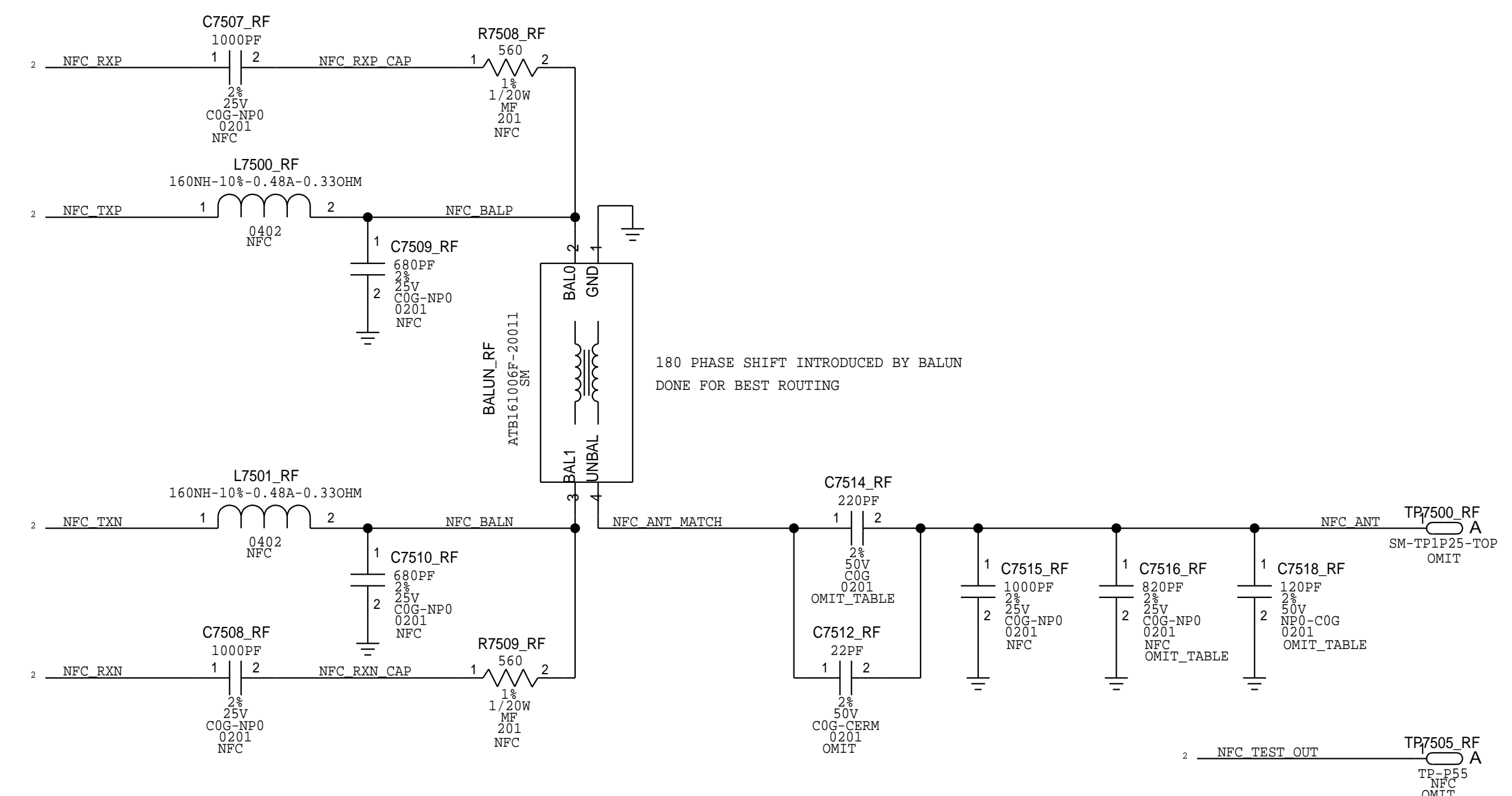
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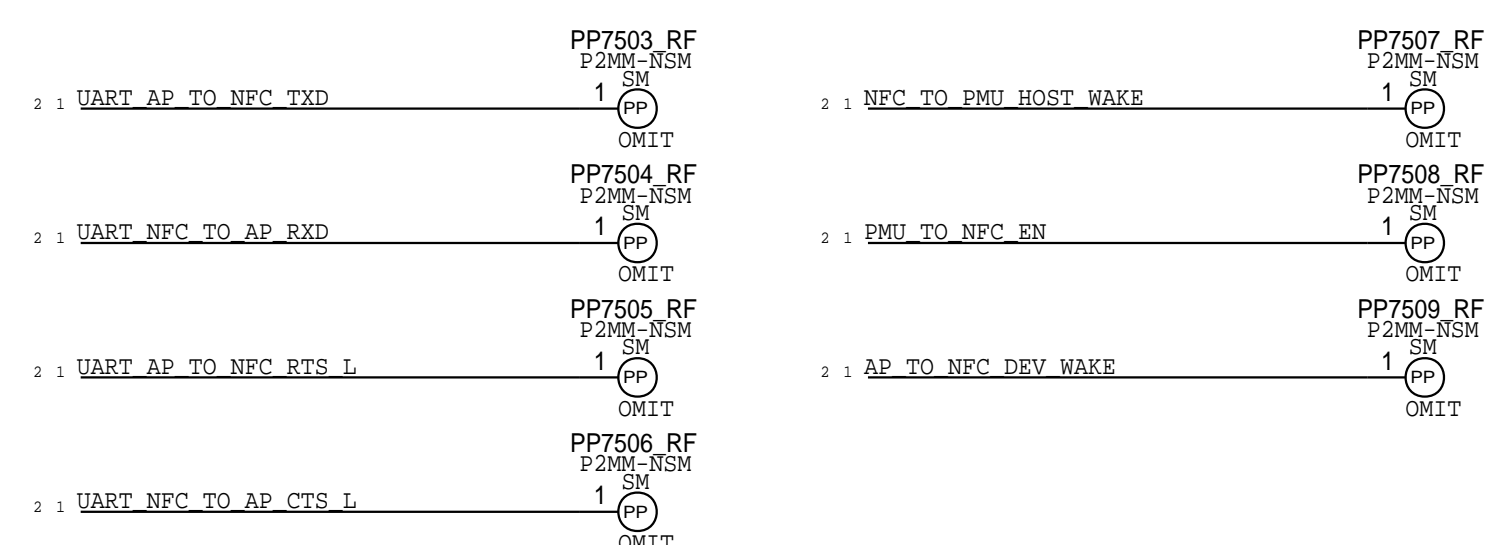
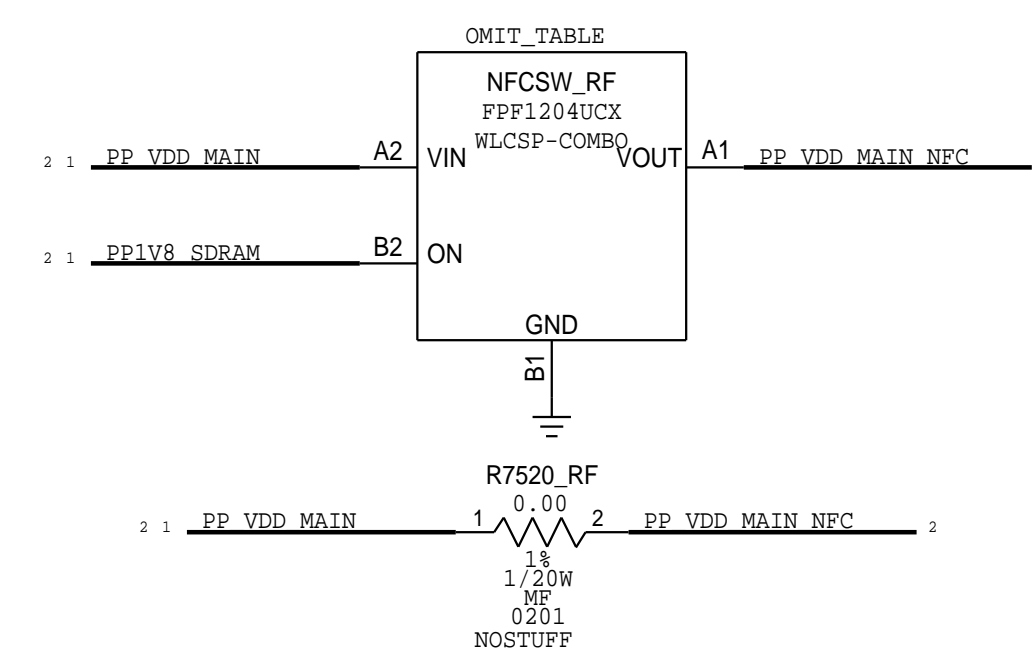
NFC CONTROLLER







NFC FRONT END



NFC LOAD SWITCH



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		SHEET	55 OF 81

8		7		6		5		4		3		2		1																																																											
1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%. 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.												REV	ECN	DESCRIPTION OF REVISION	CK APPD DATE																																																										
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<table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>152S2001</td><td>1</td><td>2.4MS,600MA,0201</td><td>L8008_RF</td><td>CRITICAL</td><td>LMBRF</td></tr><tr><td>152S0983</td><td>1</td><td>6.8MS,2K,1.5A,0.0550HM,0402</td><td>L8009_RF</td><td>CRITICAL</td><td>LMBRF</td></tr></table>																						152S2001	1	2.4MS,600MA,0201	L8008_RF	CRITICAL	LMBRF	152S0983	1	6.8MS,2K,1.5A,0.0550HM,0402	L8009_RF	CRITICAL	LMBRF																																								
152S2001	1	2.4MS,600MA,0201	L8008_RF	CRITICAL	LMBRF																																																																				
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NOLMBRF:																																																																									
<table><tr><td>PART#</td><td>QTY</td><td>DESCRIPTION</td><td>REFERENCE DESIGNATOR(S)</td><td>CRITICAL</td><td>BOM OPTION</td></tr><tr><td>152S2024</td><td>1</td><td>1.4MS,1.1A,0201</td><td>L8008_RF</td><td>CRITICAL</td><td>NOLMBRF</td></tr><tr><td>152S00610</td><td>1</td><td>3.6MS,2K,1.7A,0.0450HM,0402</td><td>L8009_RF</td><td>CRITICAL</td><td>NOLMBRF</td></tr></table>																PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION	152S2024	1	1.4MS,1.1A,0201	L8008_RF	CRITICAL	NOLMBRF	152S00610	1	3.6MS,2K,1.7A,0.0450HM,0402	L8009_RF	CRITICAL	NOLMBRF																																								
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METROCIRC

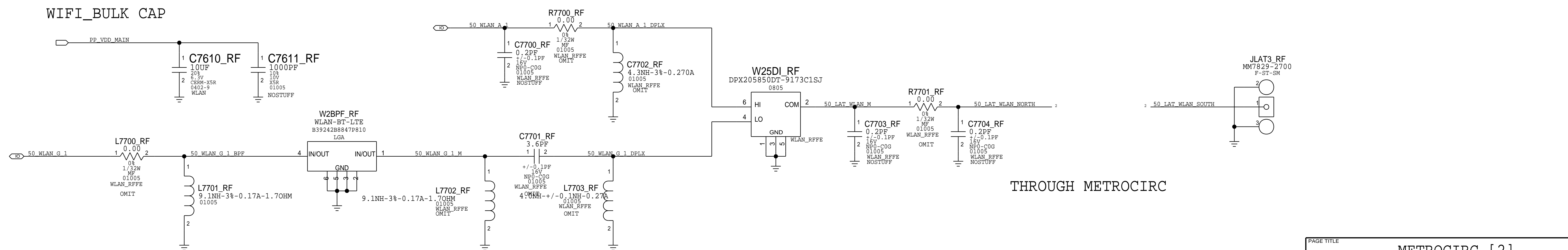
D11 NORTH-SOUTH METROCI RC
339S00147


D11 EAST-WEST METROCIRC
339S00146



WIFI LOWER ANTENNA FEED

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METROCIRC [2]		
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	57 OF 81	

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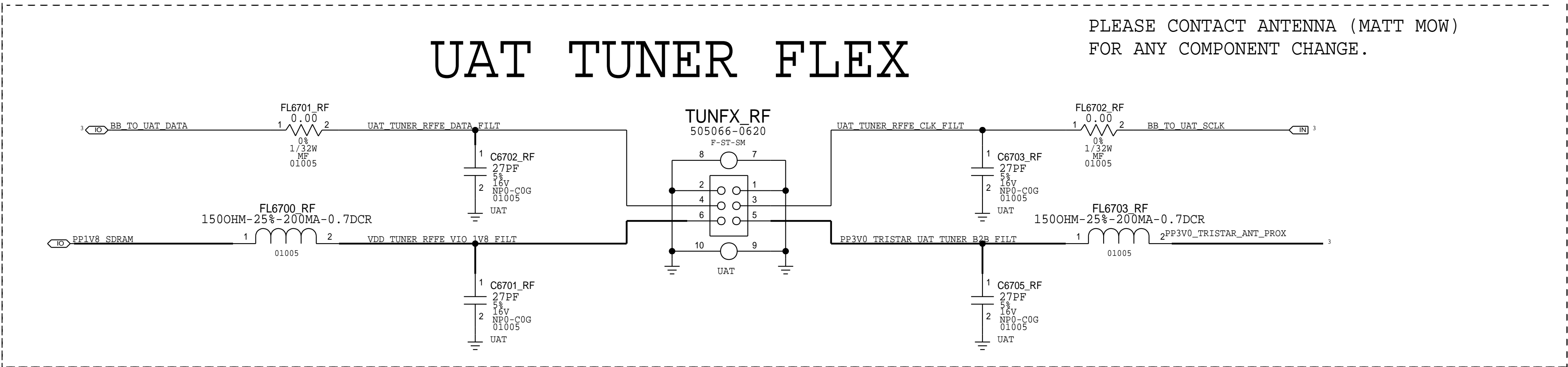
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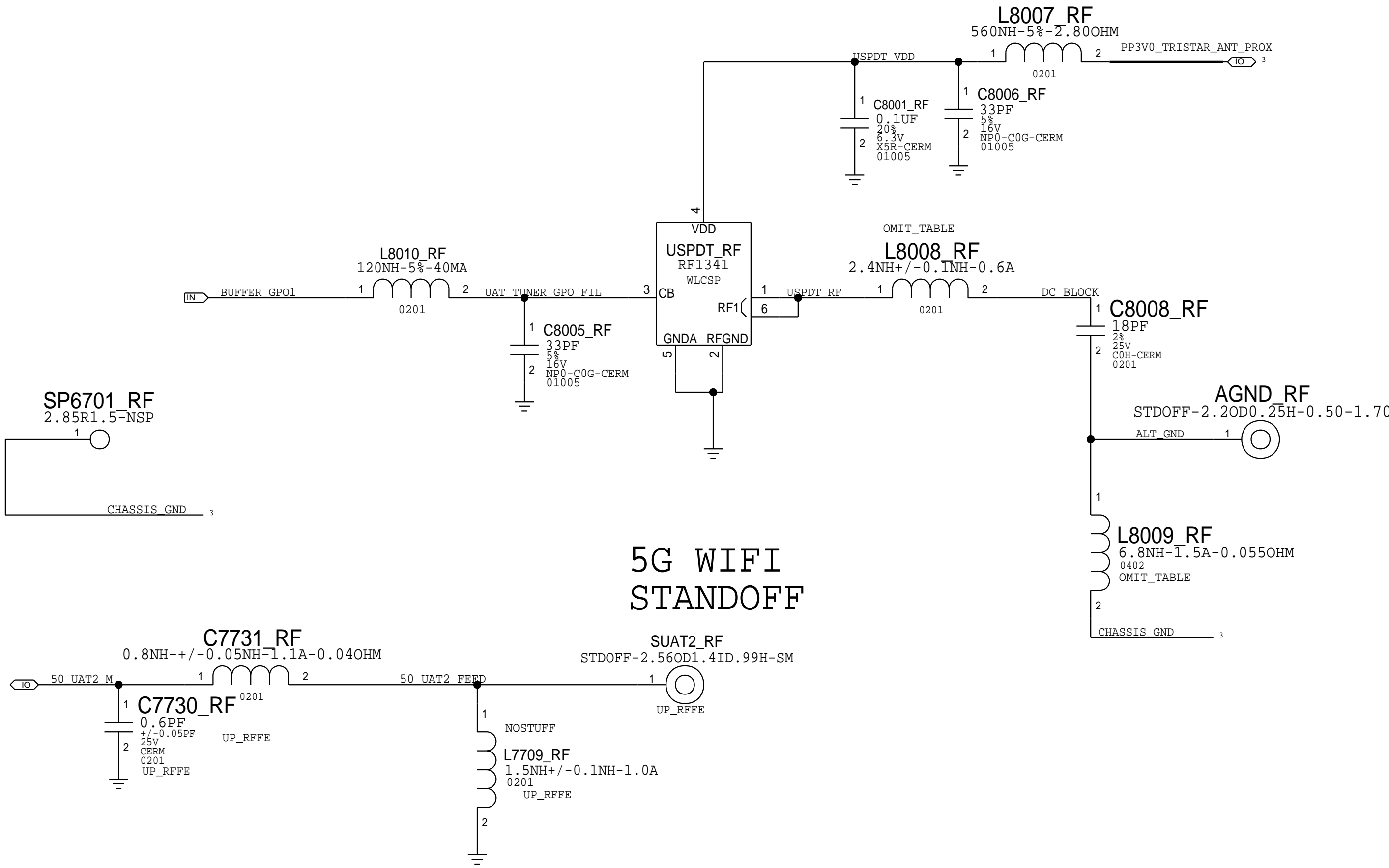
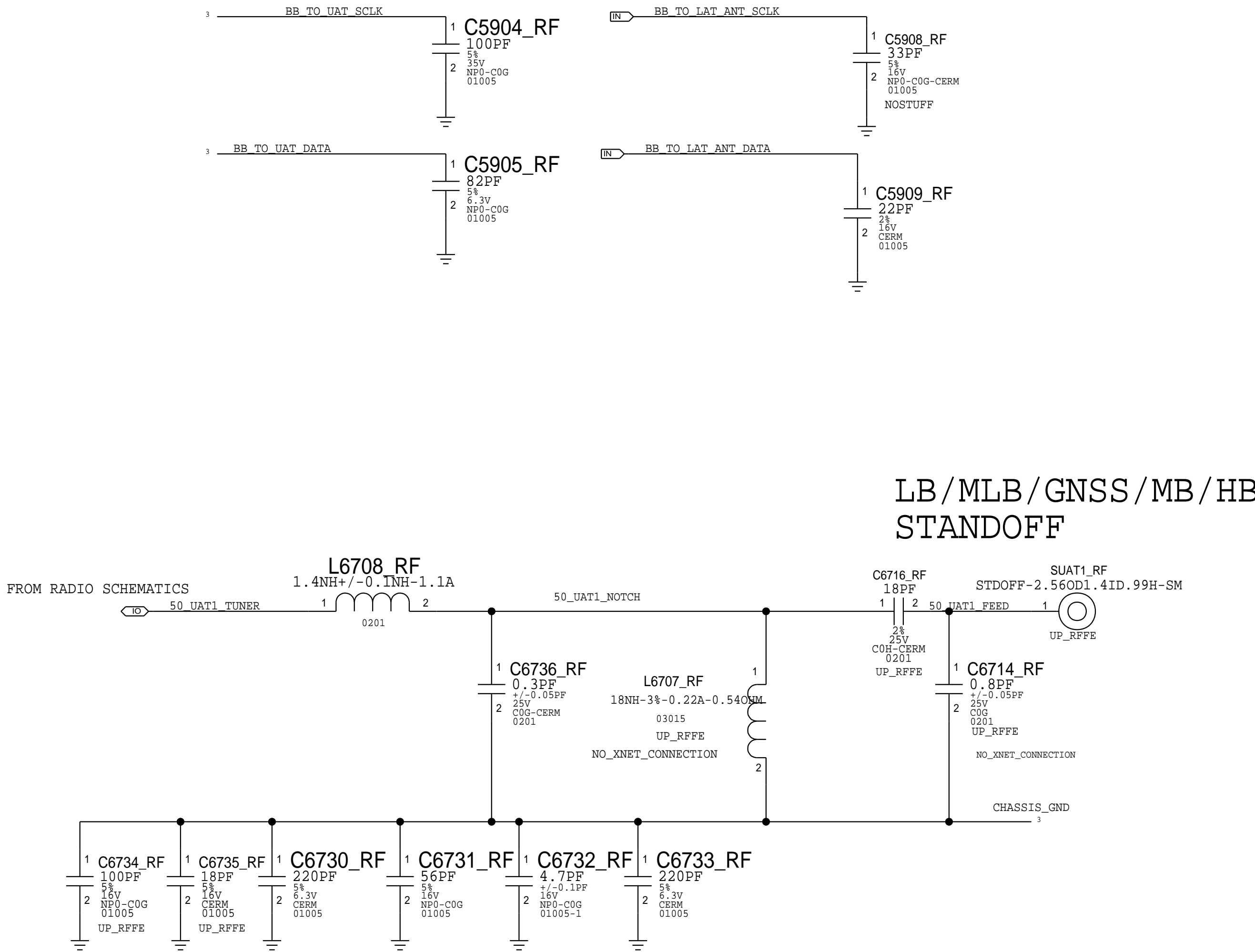
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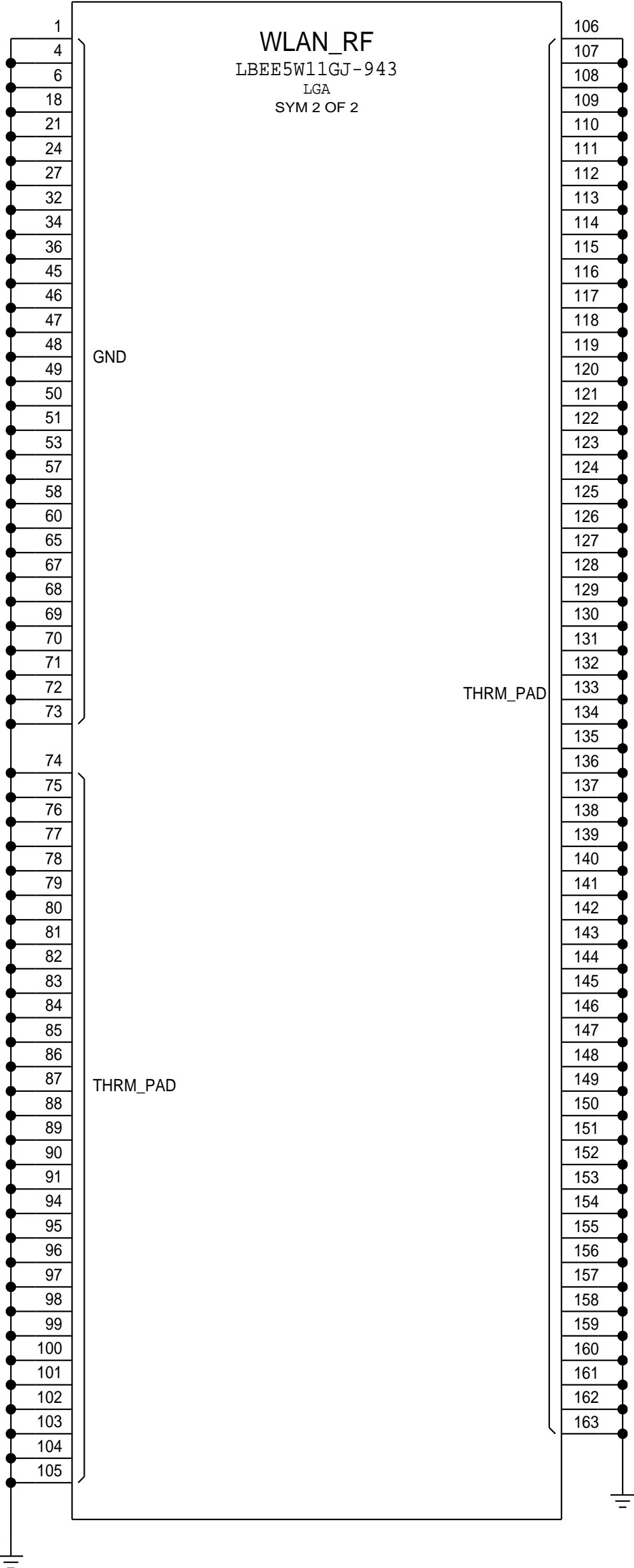
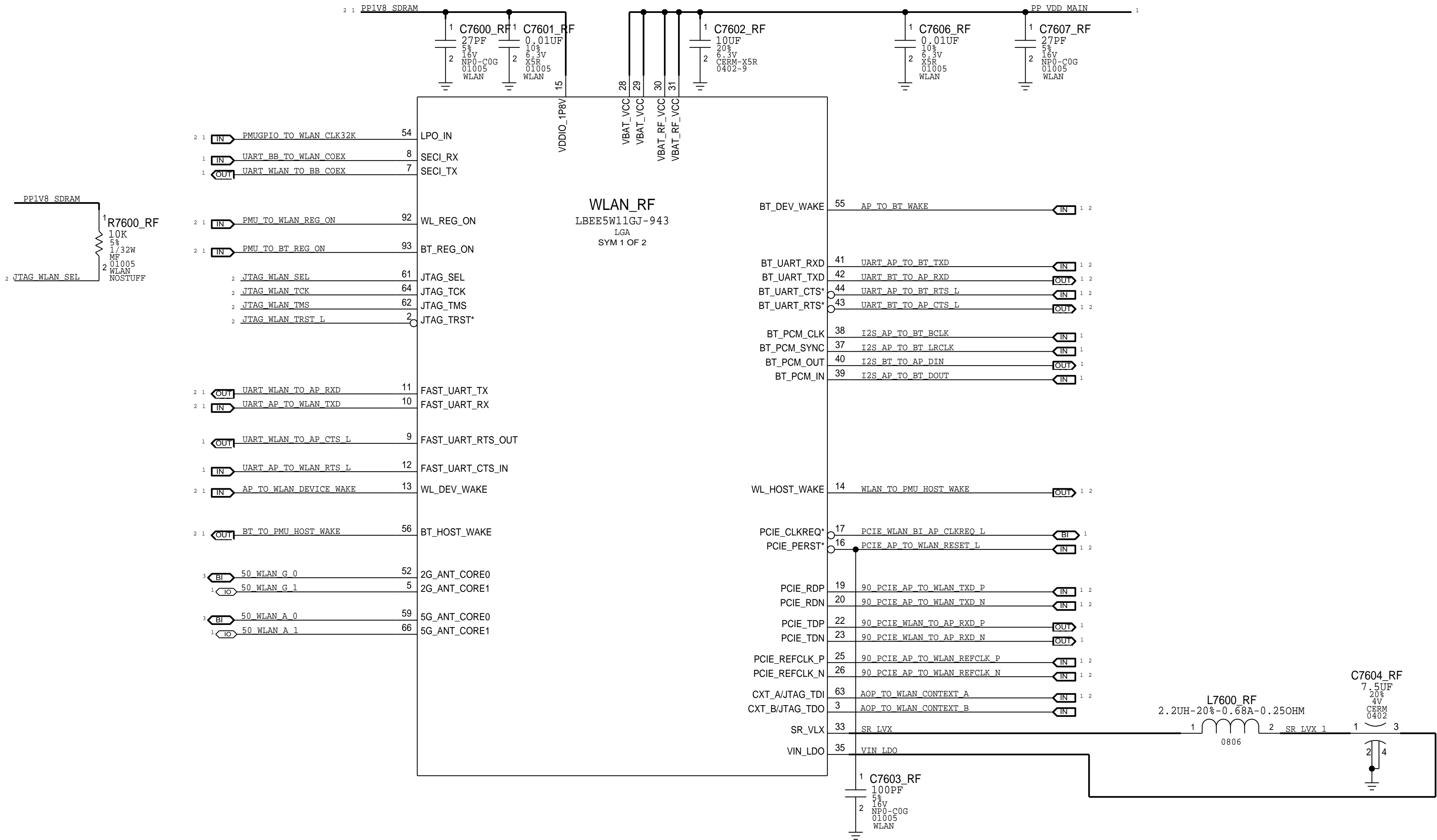


ALT UAT1 GND




PAGE TITLE		
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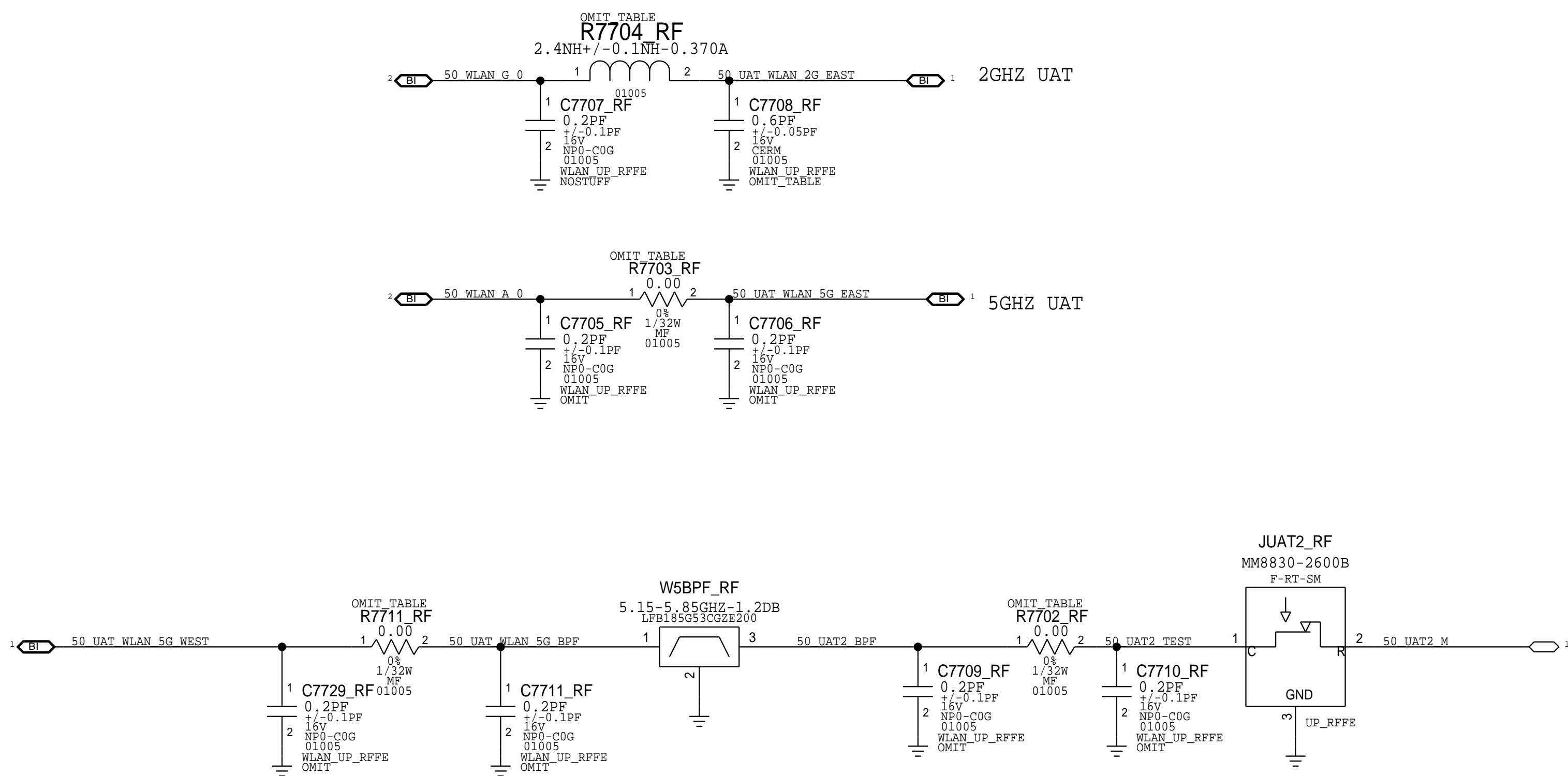
WIFI/BT




PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
339S00201	339S00199	ALTERNATE	WLAN_RF	ALT WIFI/BT MODULE

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WIFI UPPER ANTENNA FEEDS



PAGE TITLE		
WIFI FRONT-END [77]		
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BOM OPTIONS:

LMBRF:

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
353800723	1	MLB PAD	MLBPA_RF	CRITICAL	LMBRF
11780002	1	MLB PAD LAT OUTPUT MATCH	R7105_RF	CRITICAL	LMBRF
15282042	1	MLB PAD LAT OUTPUT MATCH	R7106_RF	CRITICAL	LMBRF
353800627	1	MLB LNA	MLBLN_RF	CRITICAL	LMBRF
11780002	1	MLB LNA OUTPUT MATCH	R6710_RF	CRITICAL	LMBRF
155800139	1	PENTAPLEXER	PPLXR_RF	CRITICAL	LMBRF
11880643	1	RES,NF,4.99K OHM,01005	R7506_RF	CRITICAL	LMBRF
155800193	1	FLTR,DIPLEXER,LB-MB-HB,DFX,SHIELD,0805	UATD1_RF	CRITICAL	LMBRF
155800158	1	FLTR,DIPLEXER,LB-MB-HB,MIRROR,0805	UPD1_RF	CRITICAL	LMBRF
337800284	1	IC,SECURE ELEMENT,BCNQ20211,MLBGA25	SE2_RF	CRITICAL	LMBRF
13880739	1	CAP,10P,0201	C7201_RF	CRITICAL	LMBRF
13880739	1	CAP,10P,0201	C7528_RF	CRITICAL	LMBRF
13280316	1	CAP,0.10P,01005	C7501_RF	CRITICAL	LMBRF
13880739	1	CAP,10P,0201	C7523_RF	CRITICAL	LMBRF
13880739	1	CAP,10P,0201	C7524_RF	CRITICAL	LMBRF
138800032	1	CAP,2.20P,0201	C7529_RF	CRITICAL	LMBRF
138800032	1	CAP,2.20P,0201	C7530_RF	CRITICAL	LMBRF
13180217	1	CAP,100PF,01005	C7531_RF	CRITICAL	LMBRF
11880627	1	RES,10KOHM,01005	R7512_RF	CRITICAL	LMBRF
353800026	1	LDO,REGA,2X2	SE2LDO_RF	CRITICAL	LMBRF
13180630	1	CAP,CER,NPO/COG,27PF,24,16V,01005	C6345_RF	CRITICAL	LMBRF
13180341	1	CAP,CER,COG,3.0PF,+/-0.05,25V,0201,HI-Q	C6348_RF	CRITICAL	LMBRF
15282006	1	IND,FILM,6.2MH,34,400MA,TH-Q,0201	L6322_RF	CRITICAL	LMBRF
13180630	1	CAP,CER,NPO/COG,27PF,24,16V,01005	C6315_RF	CRITICAL	LMBRF
15282006	1	IND,FILM,6.2MH,34,400MA,TH-Q,0201	L6305_RF	CRITICAL	LMBRF
13180341	1	CAP,CER,COG,3.0PF,+/-0.05PF,25V,0201,HI-Q	C6306_RF	CRITICAL	LMBRF
13180630	1	CAP,CER,NPO/COG,27PF,24,16V,01005	C6106_RF	CRITICAL	LMBRF
15282051	1	IND,1.3NH,1.1A,0201	R6404_RF	CRITICAL	LMBRF
15282000	1	IND,2.0NH,600MA,0201	R7104_RF	CRITICAL	LMBRF
131800001	1	CAP,CER,0.1PF,25V,0201	C7119_RF	CRITICAL	LMBRF
11880724	1	RES,NF,008M,1/20W,0201	R6703_RF	CRITICAL	LMBRF
11880724	1	RES,NF,008M,1/20W,0201	R6708_RF	CRITICAL	LMBRF
13180363	1	CAP,CER,COG,HQ,0.6PF,+/-0.05PF,25V,0201	C7123_RF	CRITICAL	LMBRF
15282002	1	IND,2.7NH,+/-0.1NH,600MA,0201,OH-Q	R6605_RF	CRITICAL	LMBRF
13180337	1	CAP,1.5PF,+/-0.05PF,25V,0201,HQ	C6610_RF	CRITICAL	LMBRF
11880724	1	RES,NF,008M,1/20W,0201	R6606_RF	CRITICAL	LMBRF
13180275	1	CAP,CER,COG,0.3PF,+/-0.1PF,25V,0201,HQ	C6416_RF	CRITICAL	LMBRF
11880608	1	RES,NF,1K OHM,1A,1/32W,01005	R5911_RF	CRITICAL	LMBRF
15281356	1	IND,10NH,34,250MA,HI-Q,0201	C6613_RF	CRITICAL	LMBRF

NOLMBRF:

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
131S0444	1	DCS/PCS RX FILTER MATCH	R6301_RF	CRITICAL	NOLMBRF
152S2020	1	DCS/PCS RX FILTER MATCH	L6320_RF	CRITICAL	NOLMBRF
155S00149	1	DCS/PCS RX FILTER	GSMRX_RF	CRITICAL	NOLMBRF
152S2005	1	DCS/PCS RX MATCH (DCS)	L6318_RF	CRITICAL	NOLMBRF
131S0319	1	DCS/PCS RX MATCH (DCS)	C6332_RF	CRITICAL	NOLMBRF
131S0630	1	DCS/PCS RX MATCH (DCS)	C6340_RF	CRITICAL	NOLMBRF
152S2005	1	DCS/PCS RX MATCH (DCS)	L6319_RF	CRITICAL	NOLMBRF
131S0385	1	DCS/PCS RX MATCH (DCS)	C6333_RF	CRITICAL	NOLMBRF
131S0630	1	DCS/PCS RX MATCH (DCS)	C6341_RF	CRITICAL	NOLMBRF
155S00163	1	QUADPLEXER	PPLXR_RF	CRITICAL	NOLMBRF
155S00199	1	FILTR.DPX.PASS THRU, LB-MB-HB,SHLD,0805	UATDI_RF	CRITICAL	NOLMBRF
155S00234	1	FILTR.DPX.PASS THRU, LB-MB-HB,UNSHLD,0805	UPFDI_RF	CRITICAL	NOLMBRF
118S0724	1	RES.MF,006M,+/-0.120M,0201	R6404_RF	CRITICAL	NOLMBRF
152S2044	1	IND.2.2NH,+/-0.1NH,600MA,0201	R7104_RF	CRITICAL	NOLMBRF
152S00157	1	1.2NH,+/-0.05NH,1.1A,0W,Q,0201	R6703_RF	CRITICAL	NOLMBRF
131S0549	1	18PF,0201,25V	R6708_RF	CRITICAL	NOLMBRF
131S0445	1	CAP, CER, 12PF, 5V, 25V, 0201, HI-Q	R6606_RF	CRITICAL	NOLMBRF

D10 SPECIFIC:

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
131S0278	1	CAP,CER,COG,1PF,+/-0.1PF,25V,0201,HI-Q	C7120_RF	CRITICAL	D10

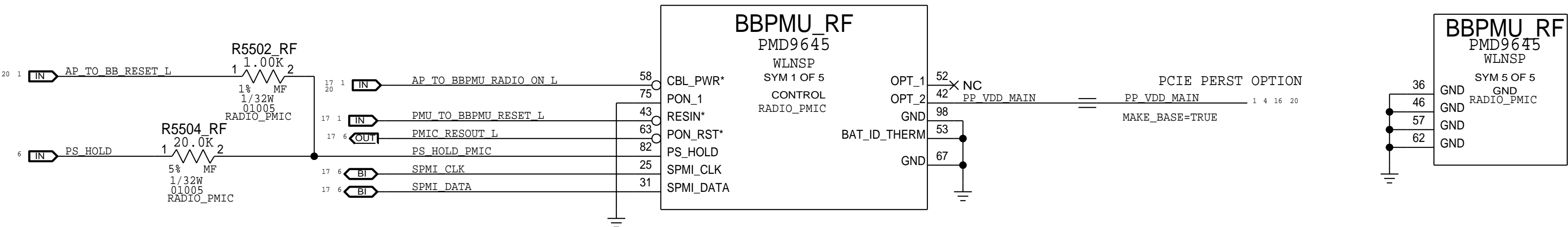
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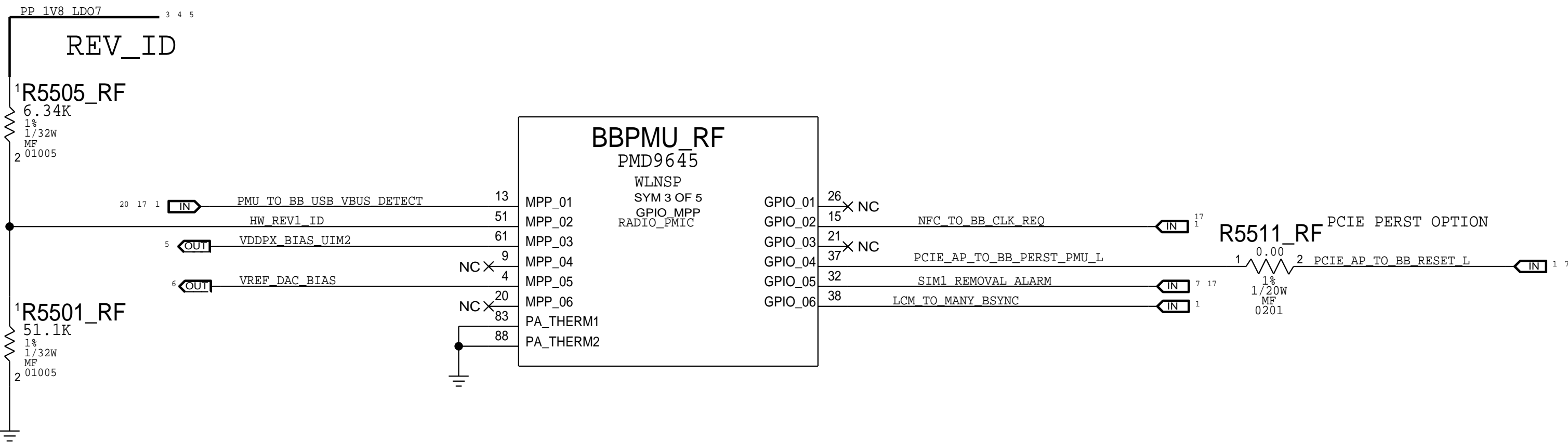
PMU: CONTROL AND CLOCKS

RESET AND CONTROL: PMU

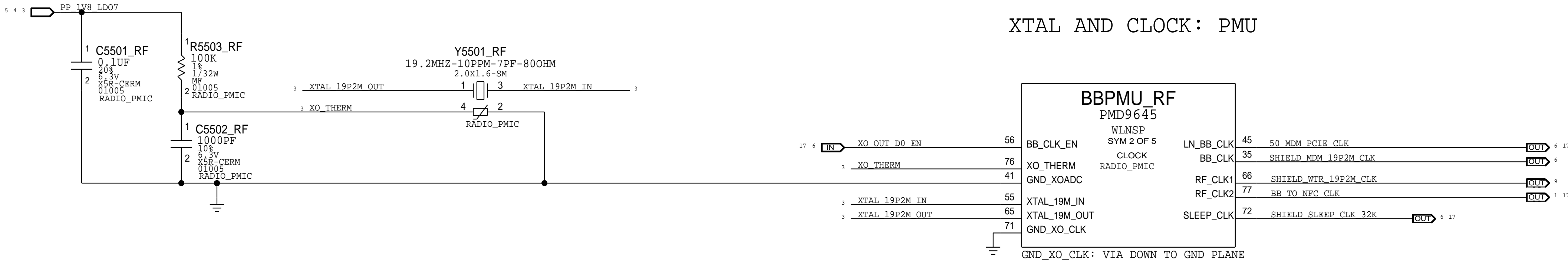
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0.20V	422K	51.1K	DEV2
0.30V	255K	51.1K	DEV 2.1
0.40V	180K	51.1K	DEV 3
0.50V	124K	51.1K	T181
0.60V	102K	51.1K	PP/P1
0.70V	82.5K	51.1K	DEV4
0.80V	63.4K	51.1K	P2
0.90V	51.1K	51.1K	DEV5
1.00V	51.1K	63.4K	EVT
1.10V	51.1K	82.5K	EVT DOE
1.20V	50.0K	100K	EVT ALT/CARBON
1.30V	39.0K	100K	DEV6
1.40V	14.7K	51.1K	CARRIER
1.50V	40.2K	200K	DVT
1.60V	6.34K	51.1K	PVT



MPPS AND GPIOs: PMU

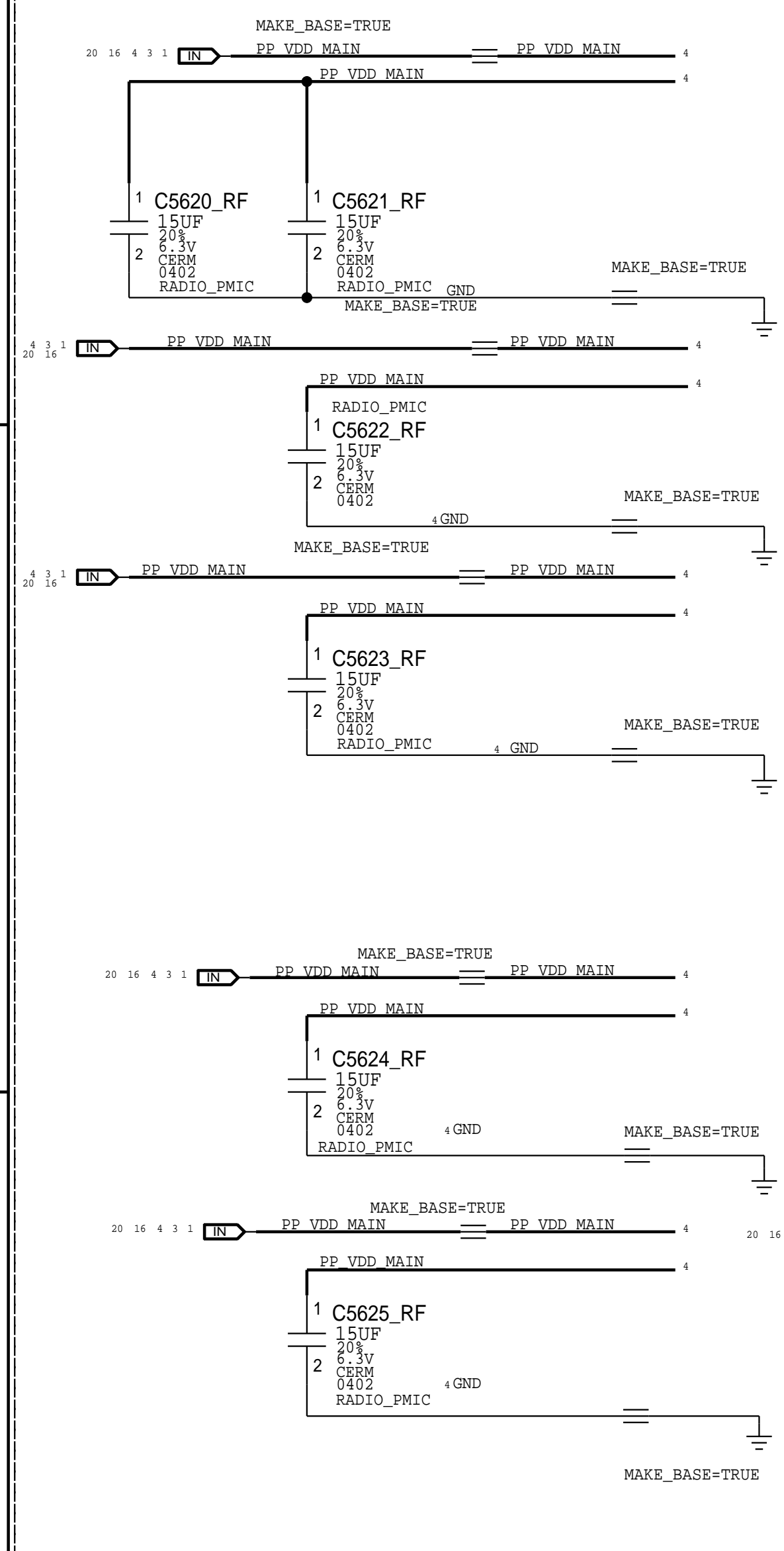


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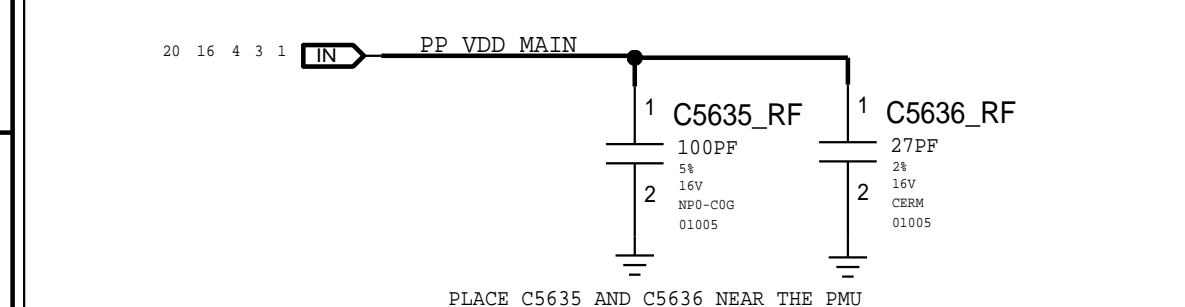


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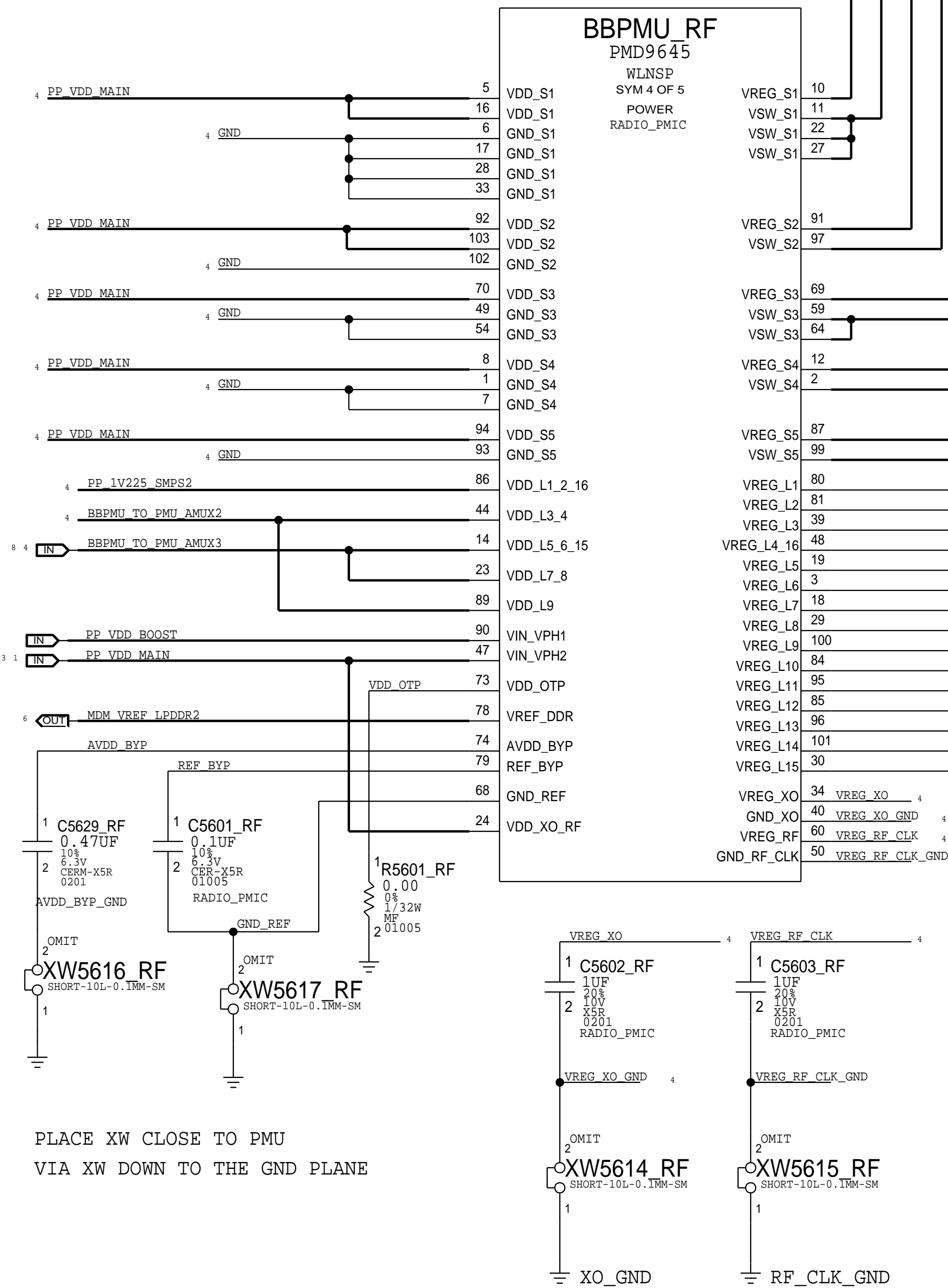
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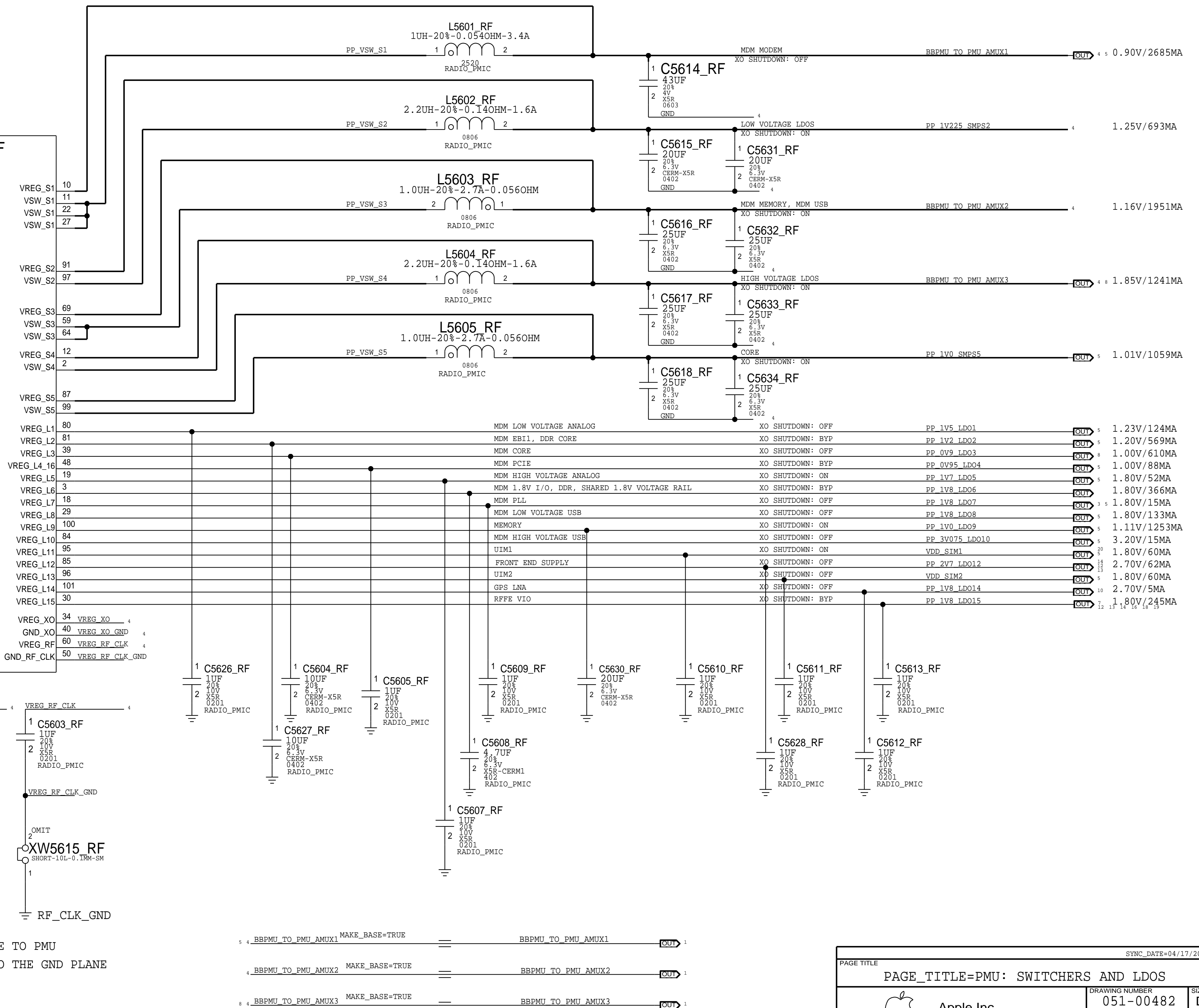
DESENSE CAPS




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VIA XW DOWN TO THE GND PLANE

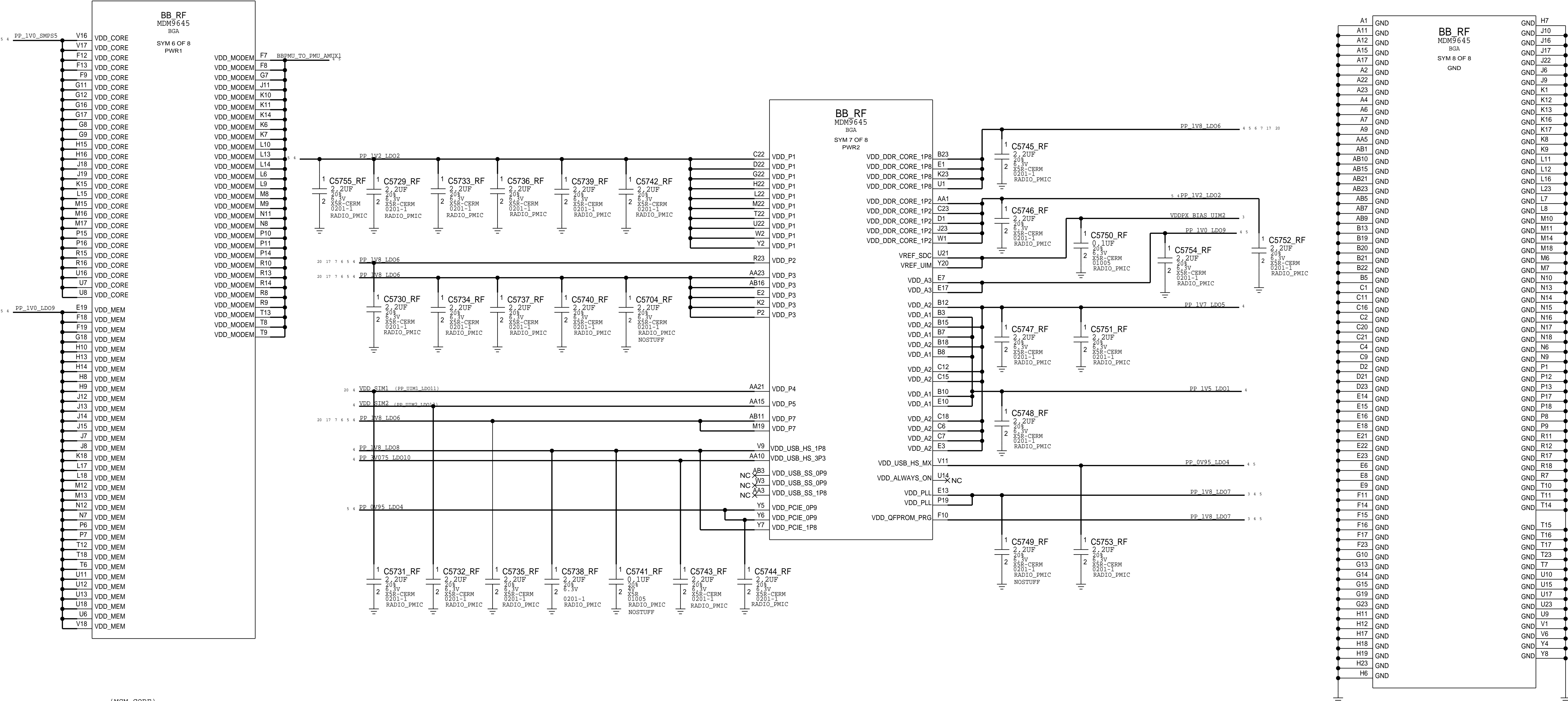


PLACE XW CLOSE TO PMU
VIA XW DOWN TO THE GND PLANE




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BASEBAND: POWER



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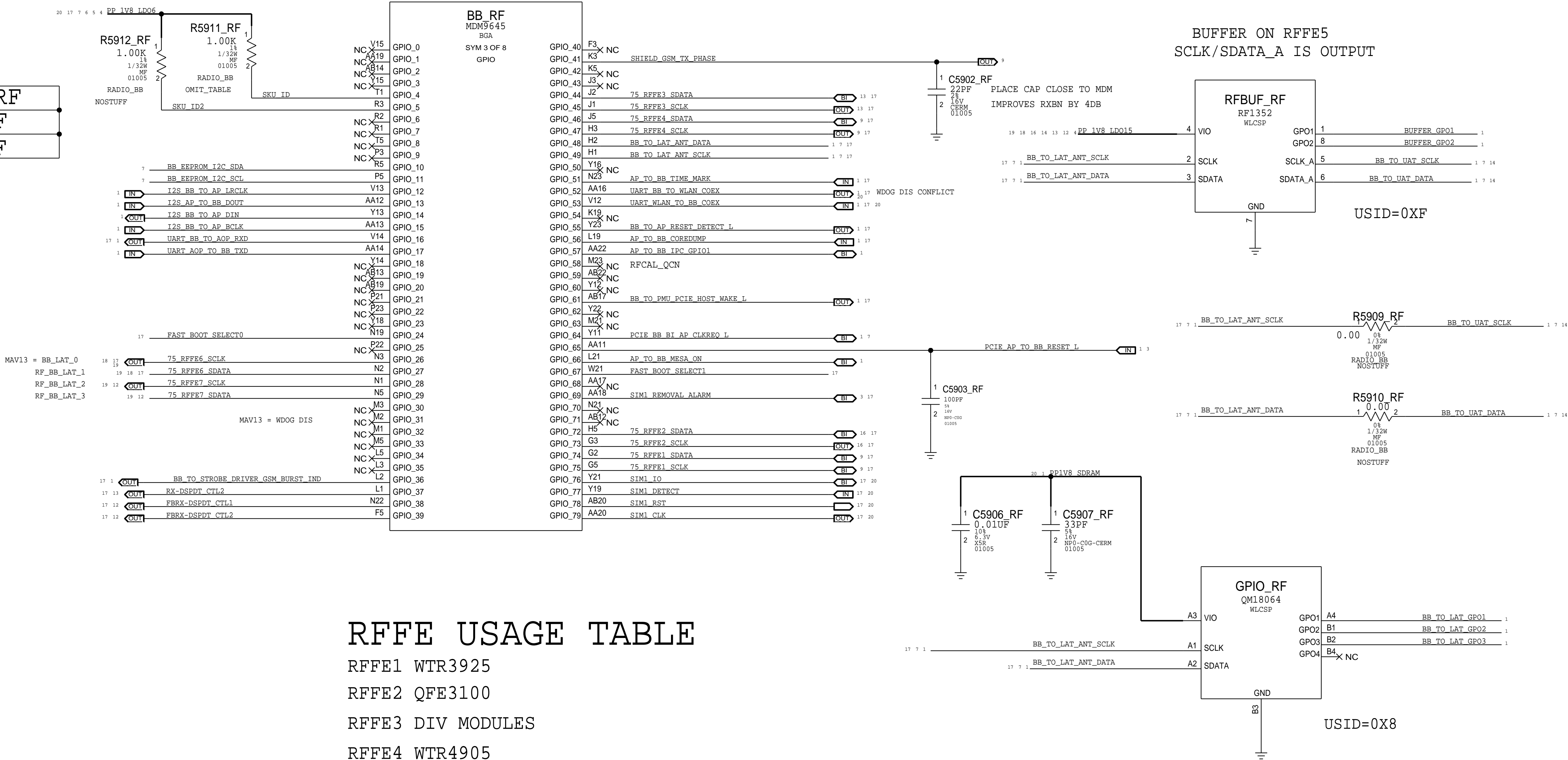
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D

A

BASEBAND: GPIOs

SKU	R5911_RF	R5912_RF
ROW	NOSTUFF	NOSTUFF
JP	1.0 KOHM	NOSTUFF

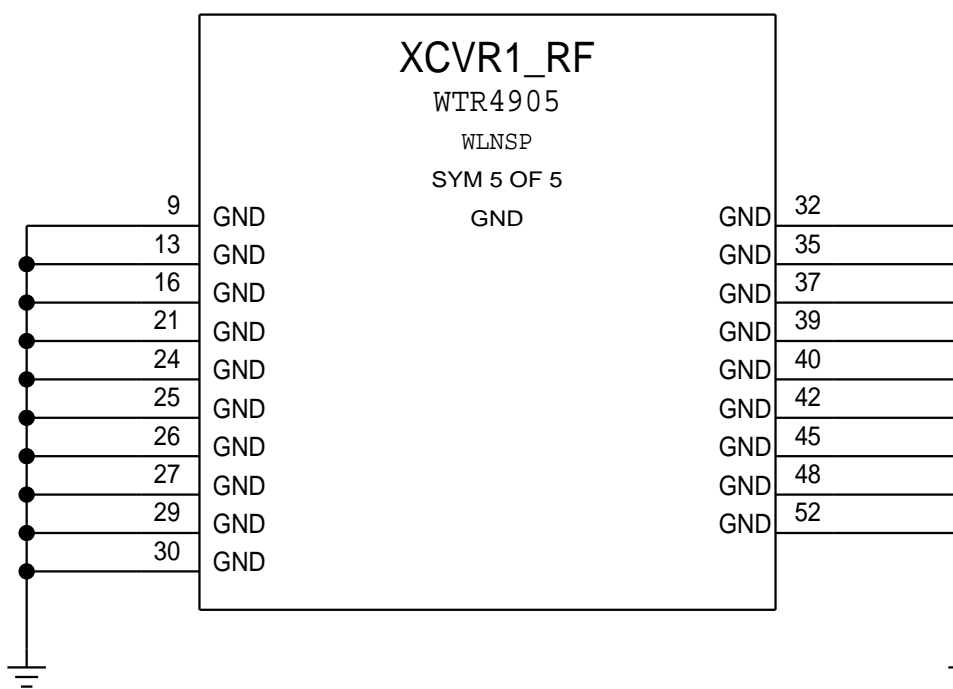
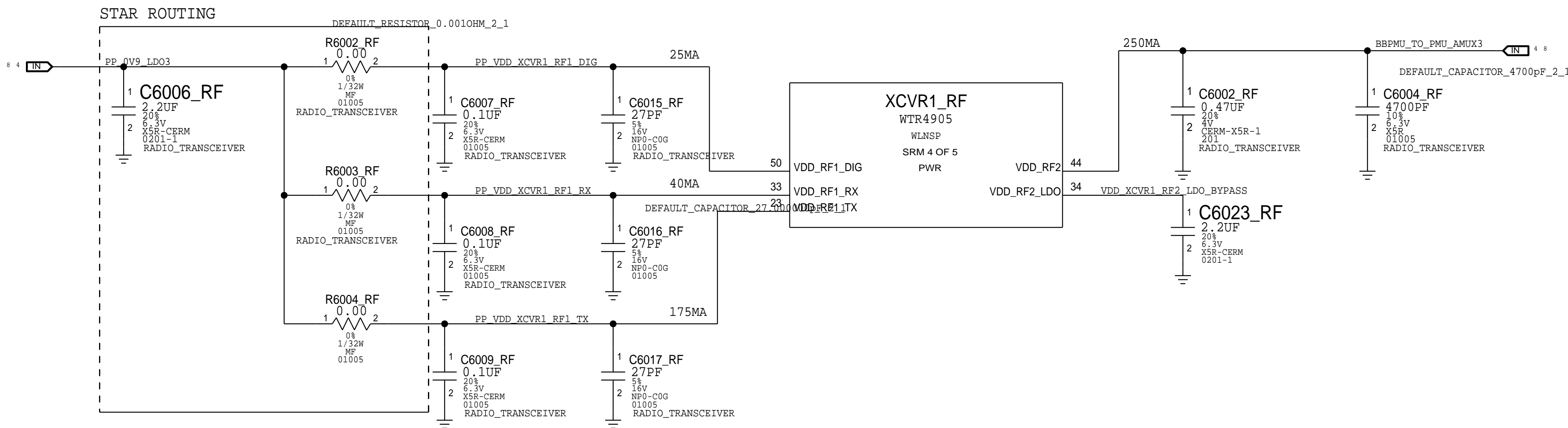
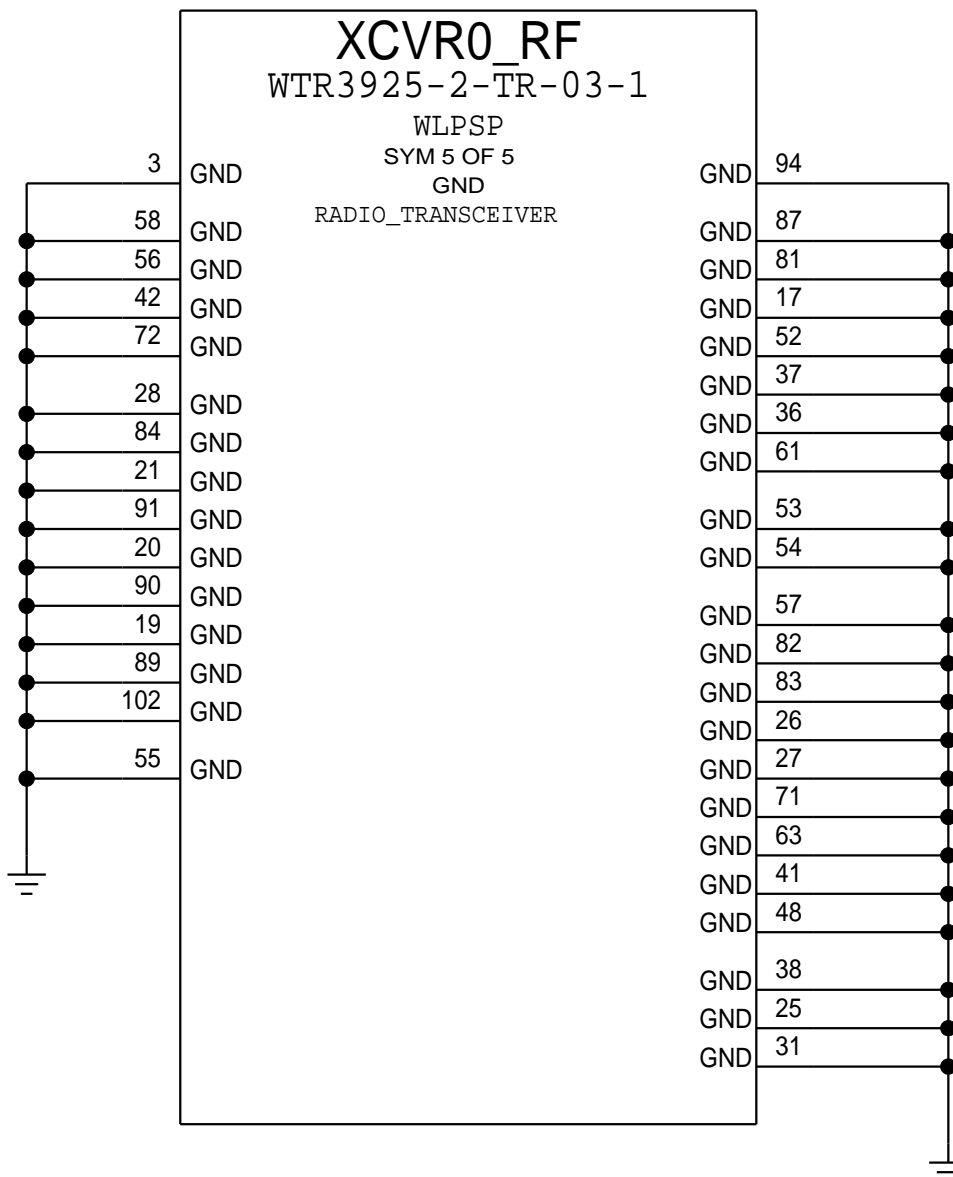
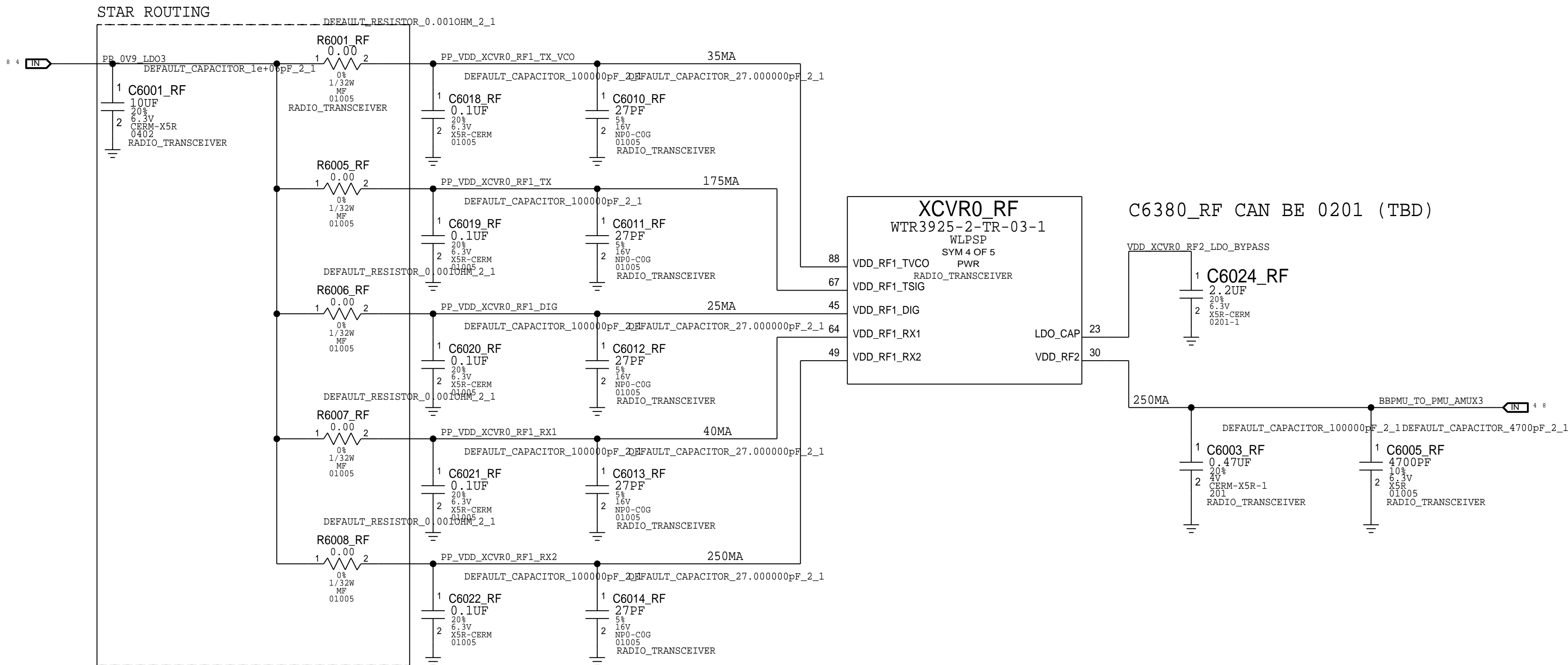


PCIE PULL-UPS TO BB RAIL

BB EEPROM

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				REVISION	8.0.0
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				PAGE	59 OF 72
				SHEET	68 OF 81


TRANSCEIVER: POWER



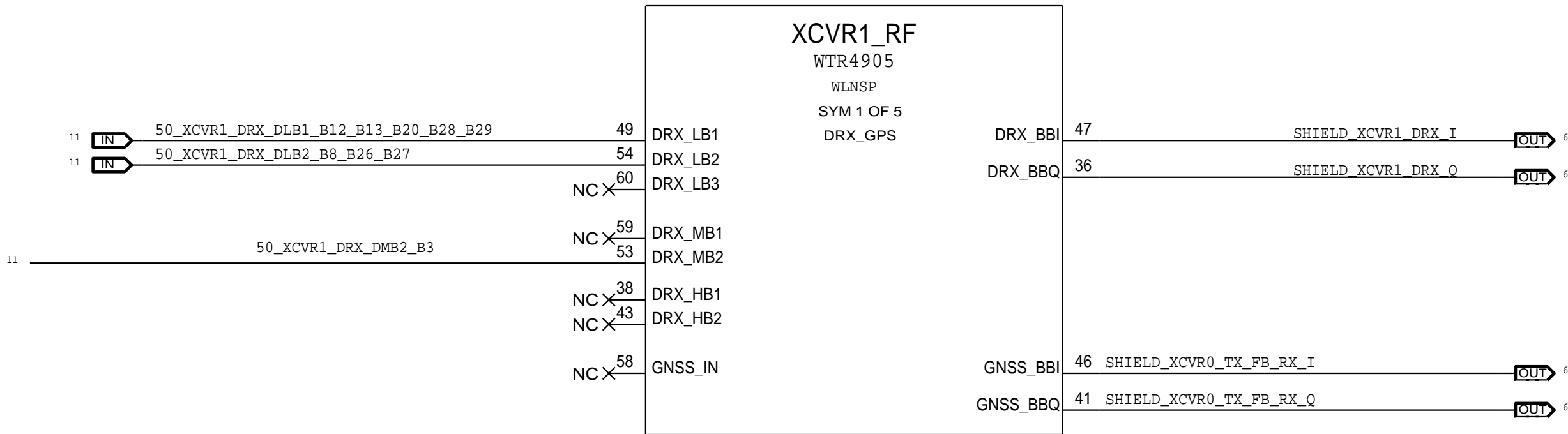
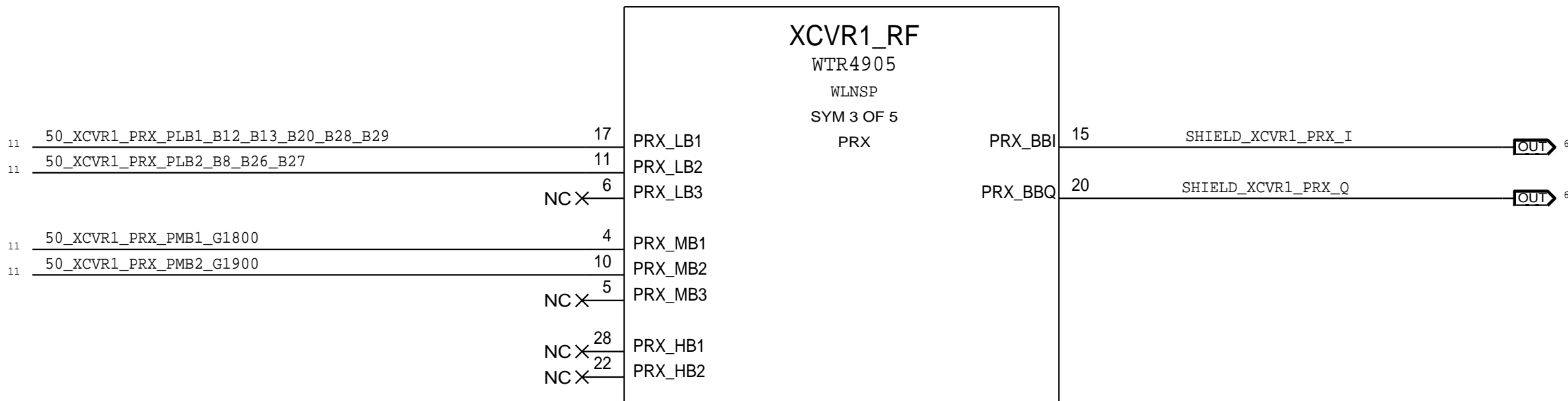
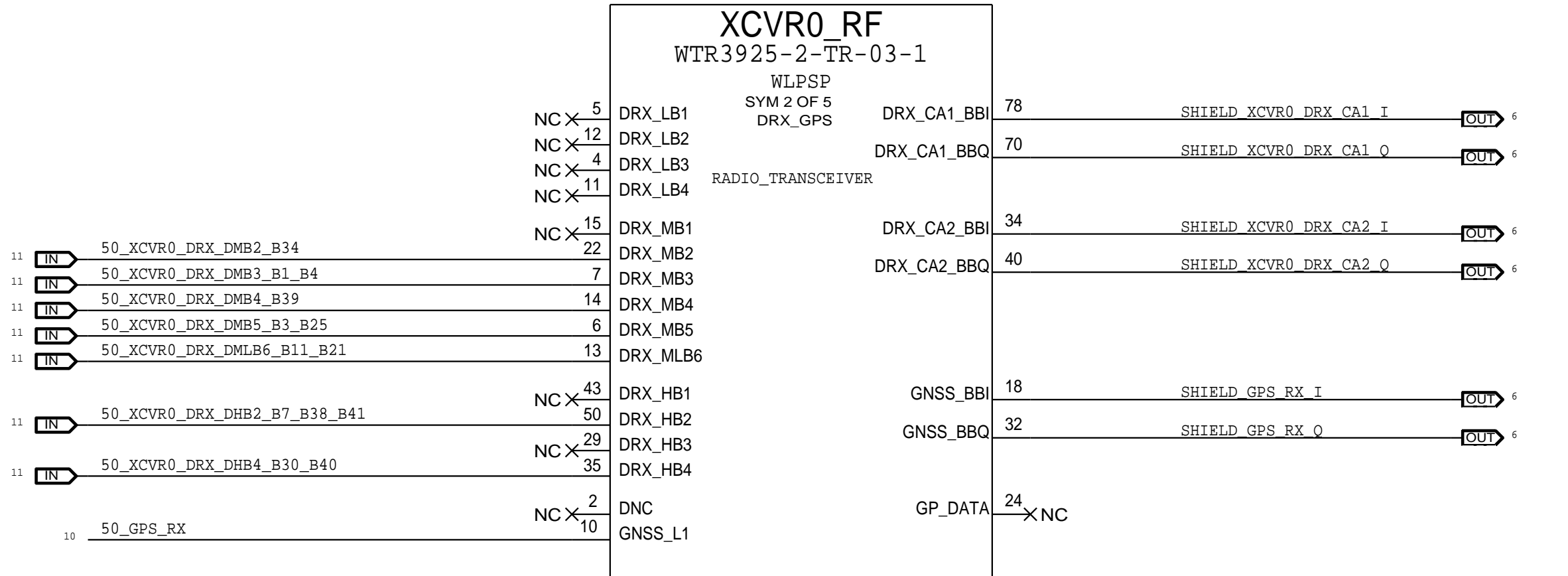
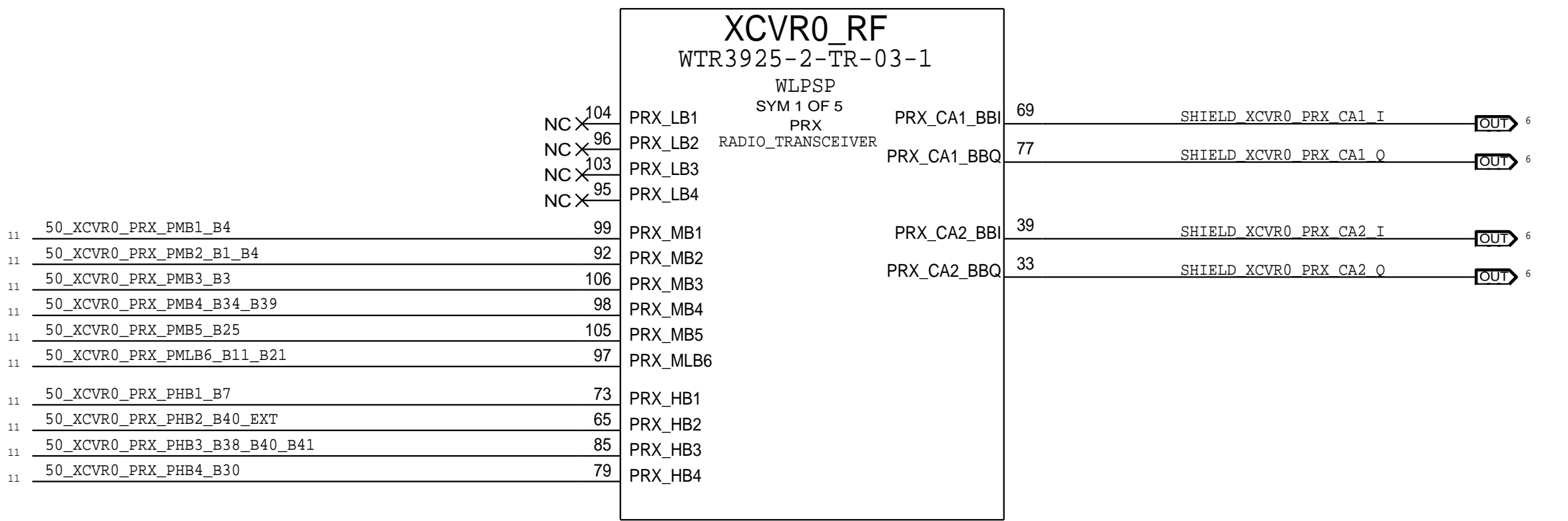
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				PAGE	60 OF 72
				SHEET	69 OF 81

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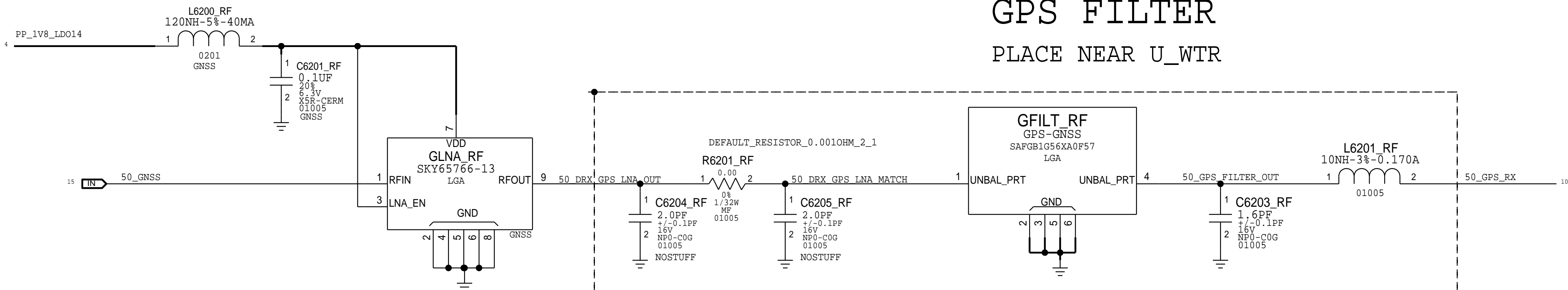



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TRANSCEIVER: PRX, DRX, & GPS PORTS



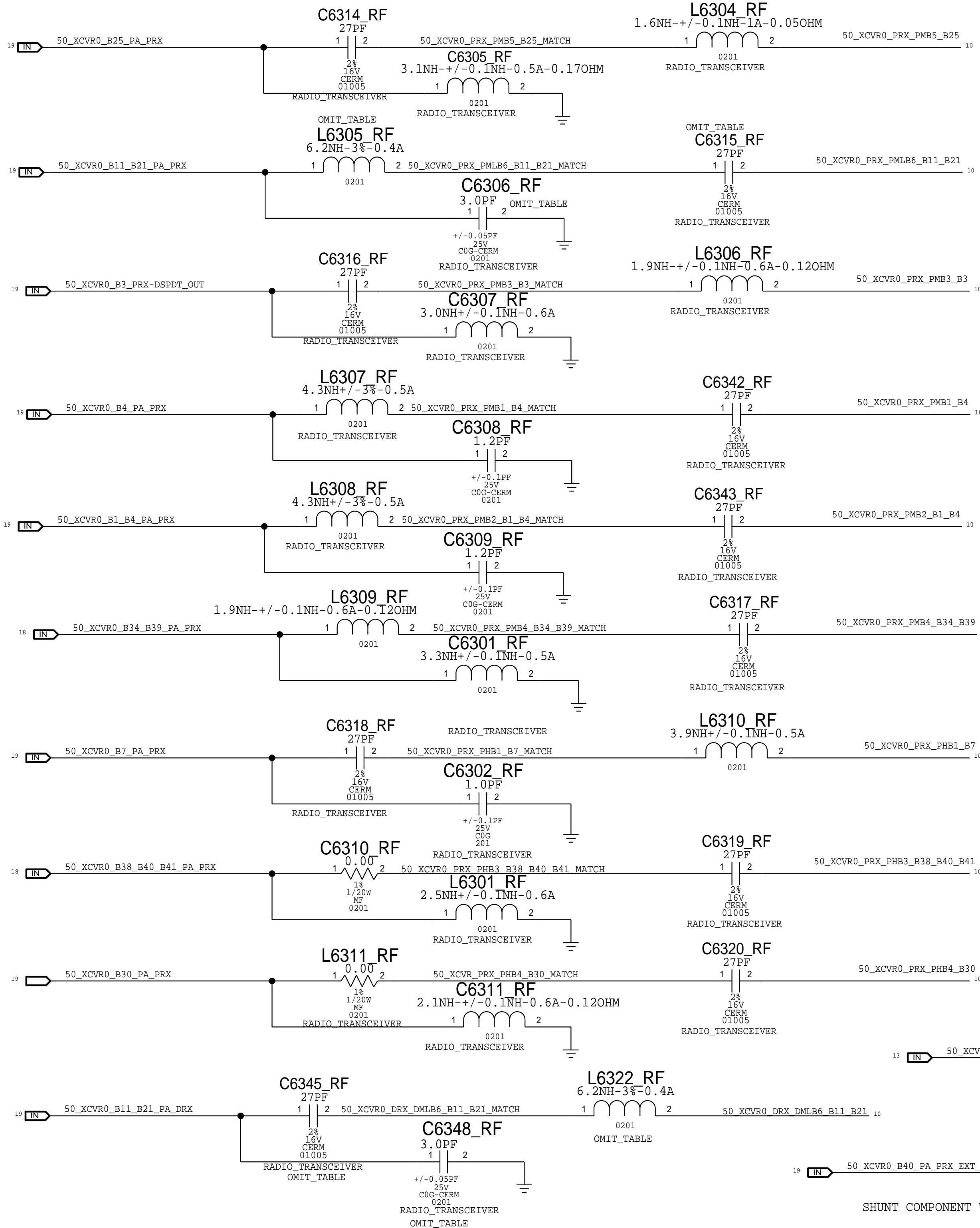
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PLACE NEAR U_WTR



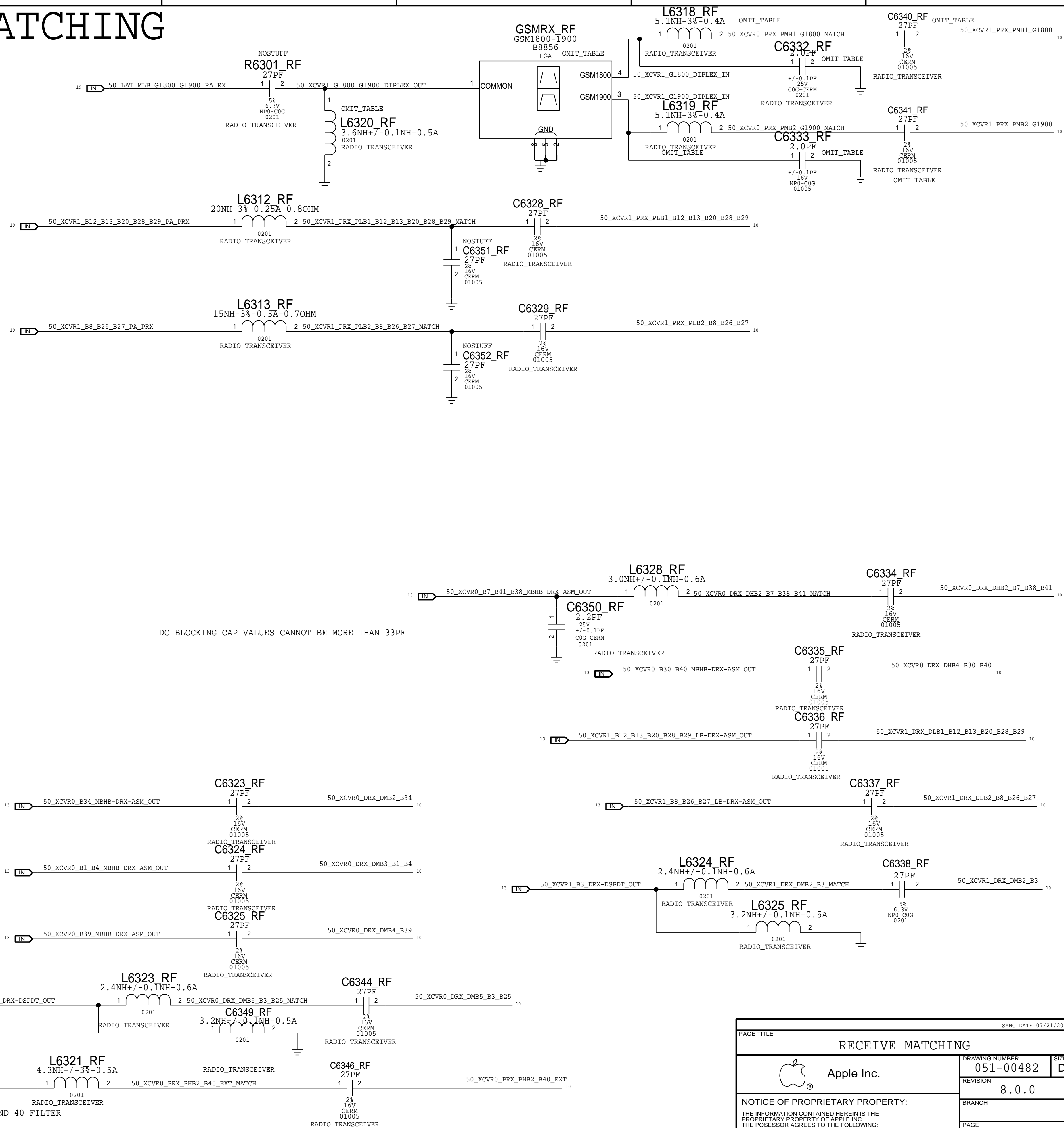
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PRIMARY & DIVERSITY RECEIVE MATCHING

DC BLOCKING CAP VALUES CANNOT BE MORE THAN 33PF




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

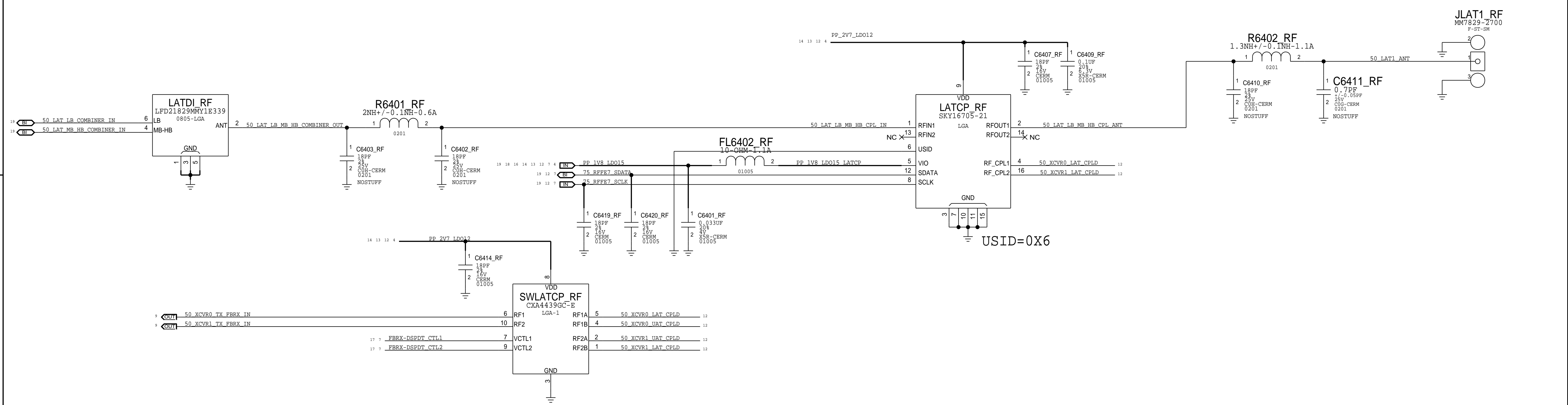


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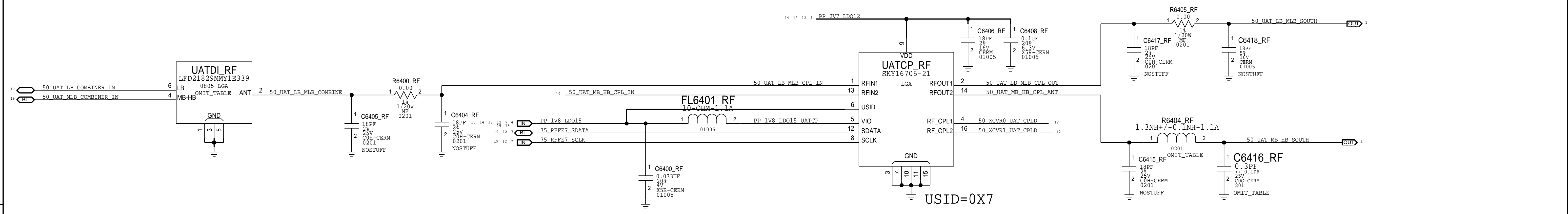
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		BRANCH	
		PAGE	63 OF 72
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LOWER ANTENNA AND COUPLER



UPPER ANTENNA COUPLER



D

D

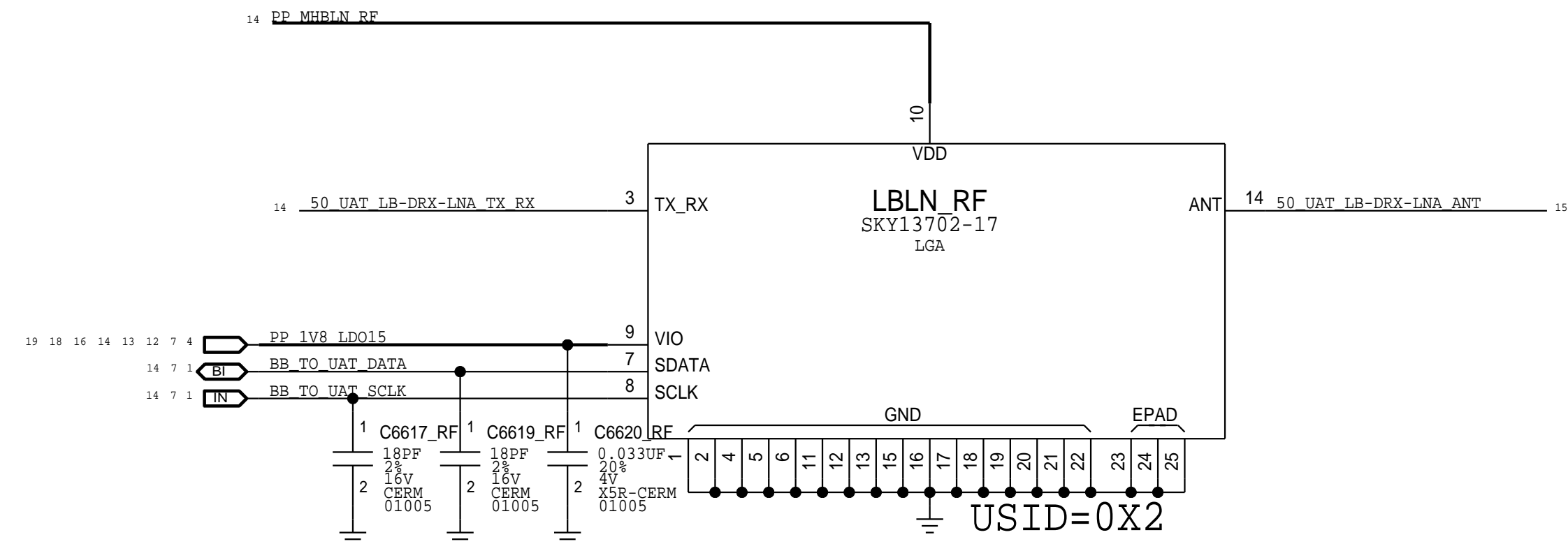


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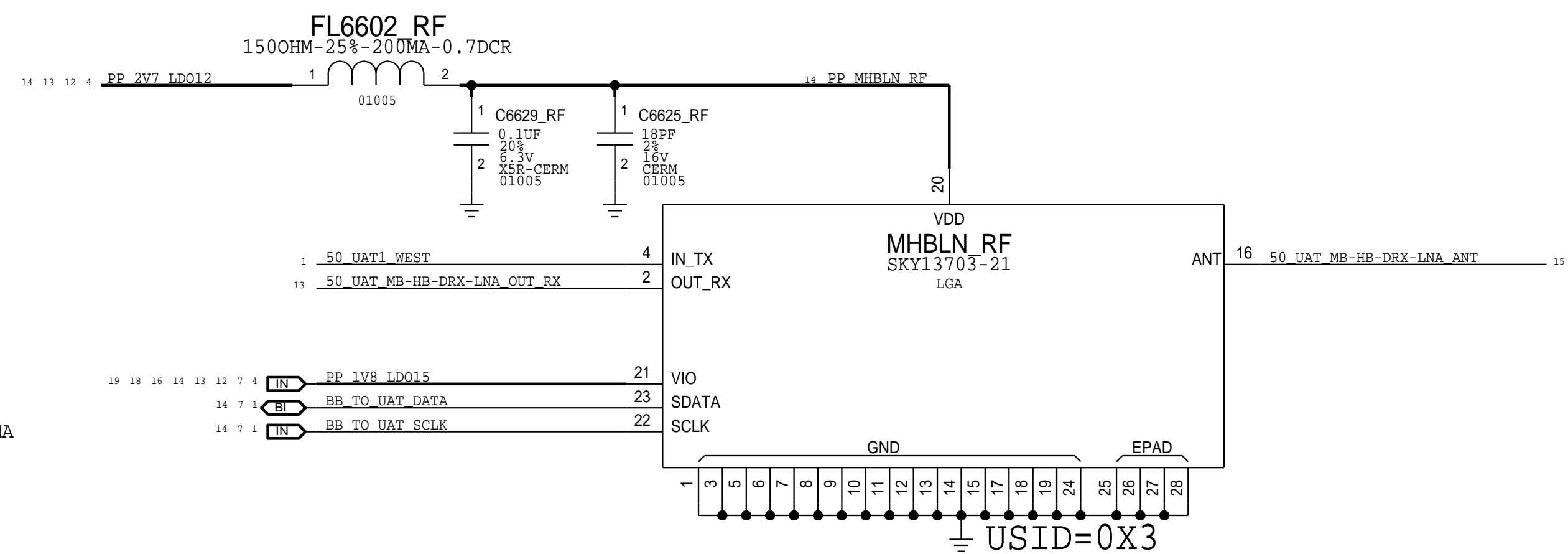


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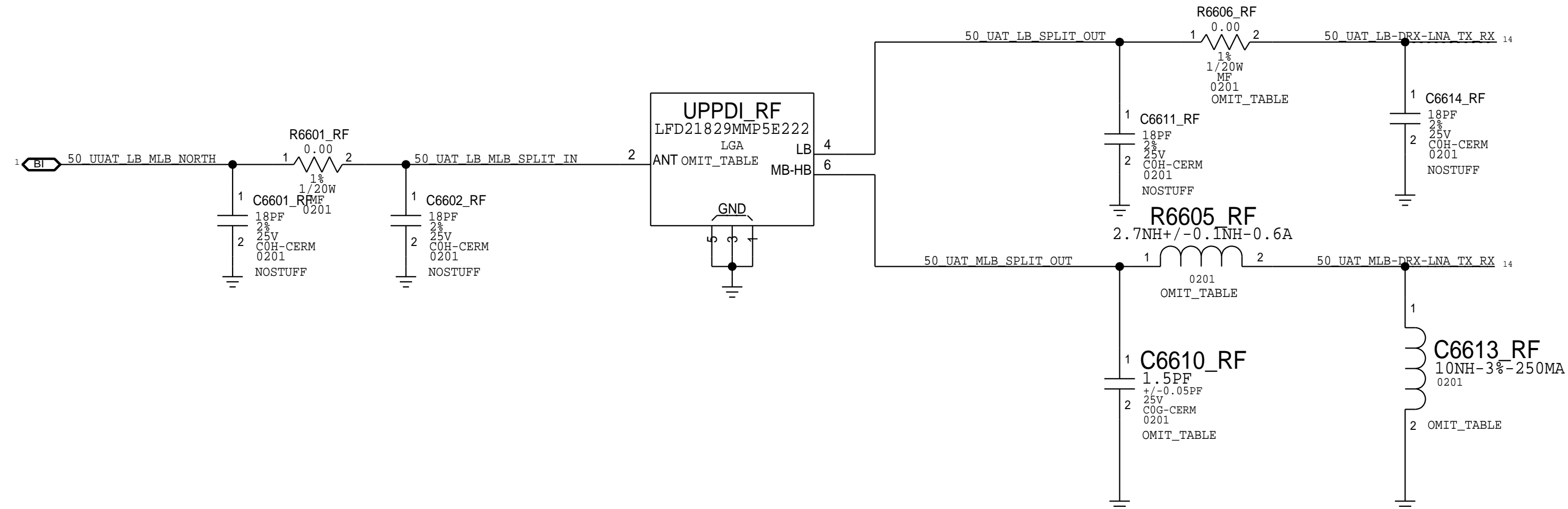
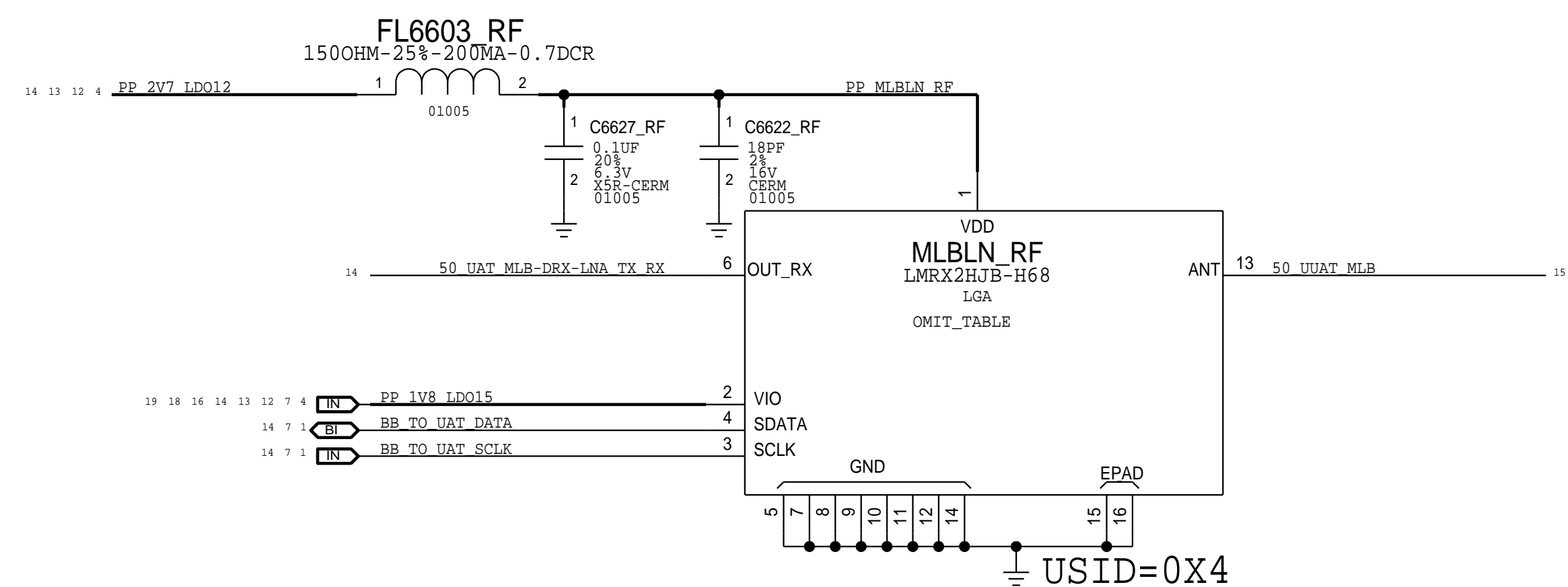
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MB / HB DRX LNA



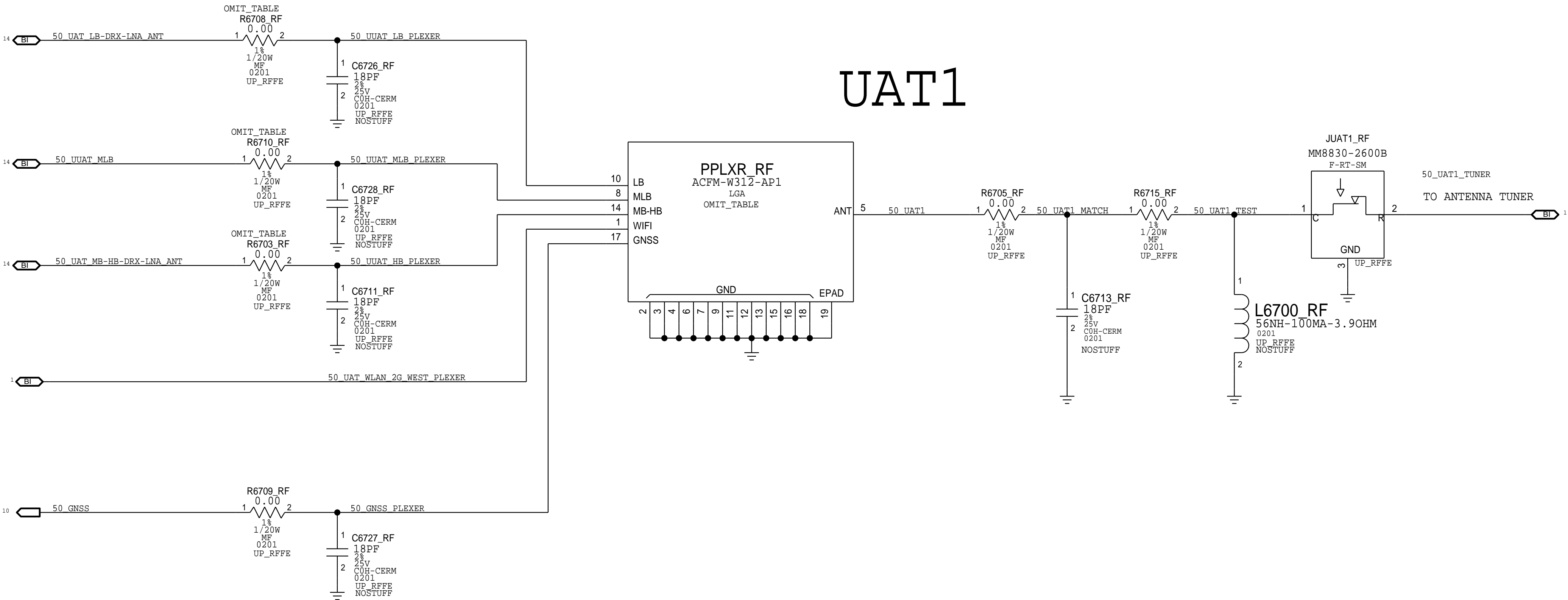
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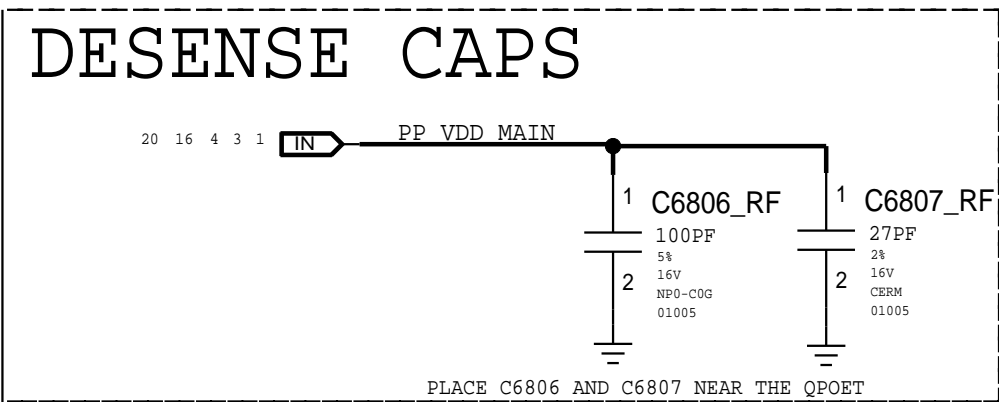
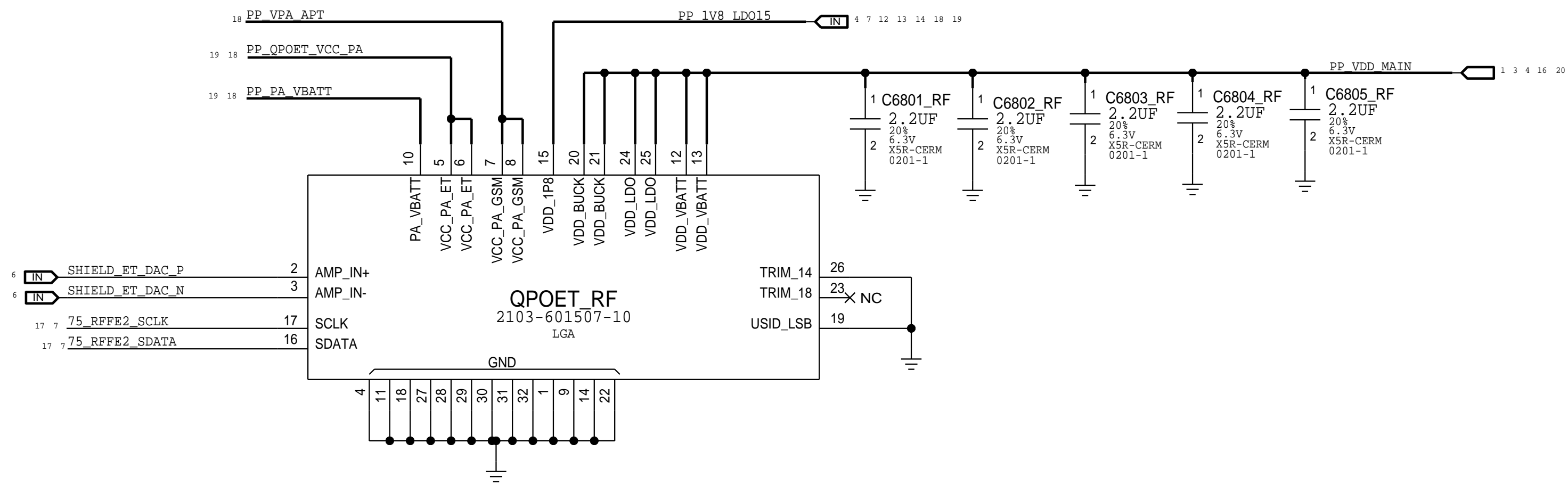
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UPPER ANTENNA FEEDS

UAT1



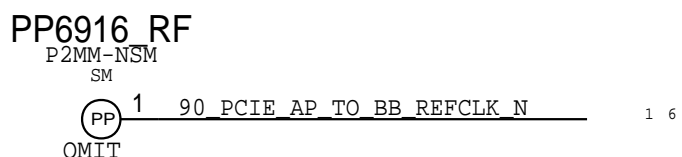
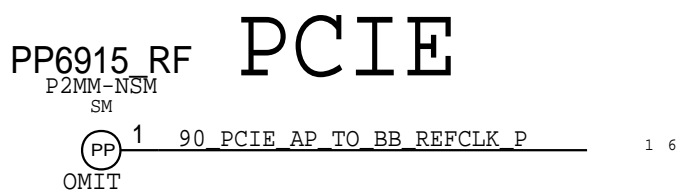
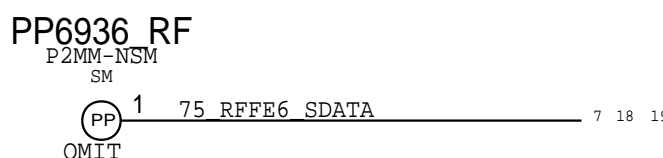
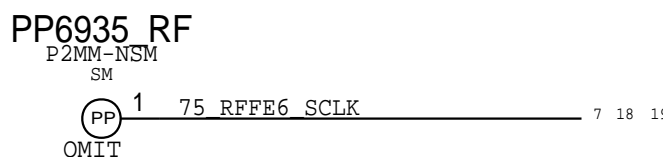
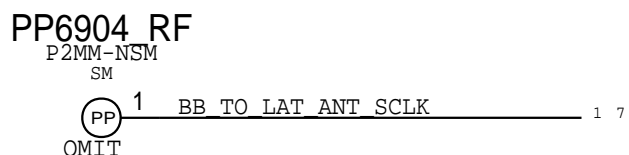
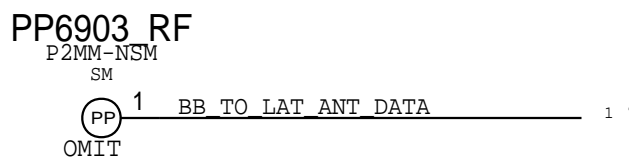
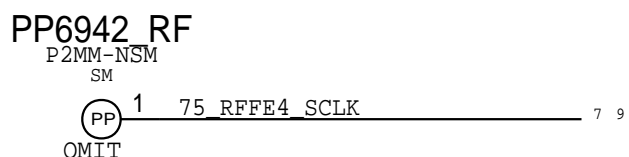
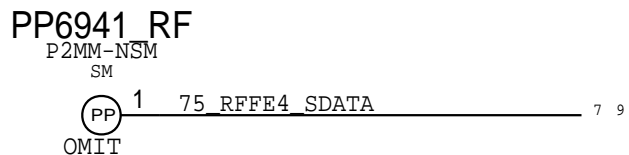
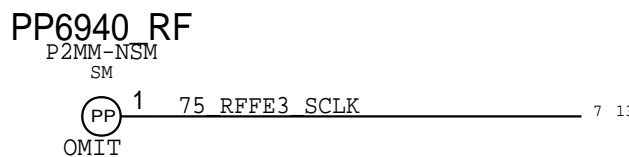
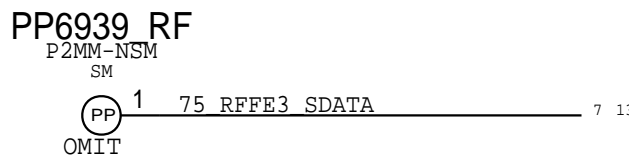
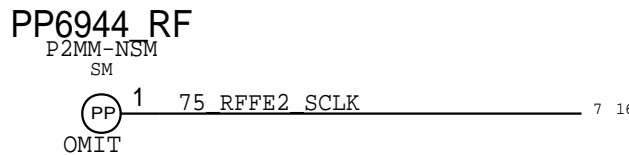
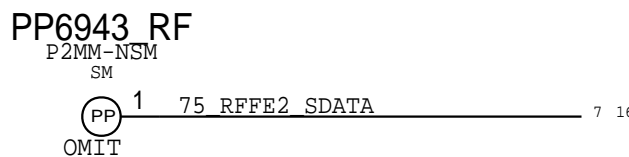
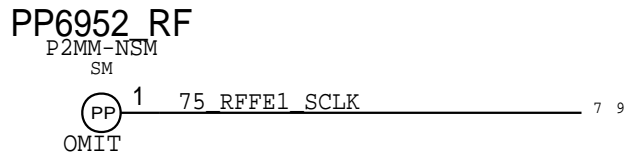
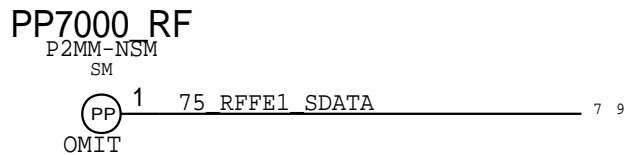
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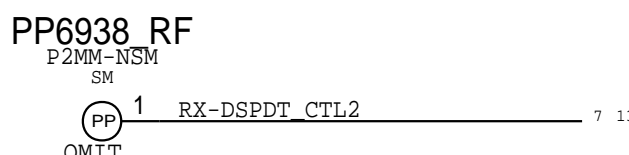
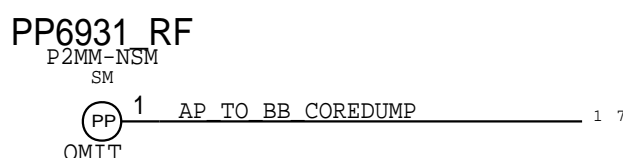
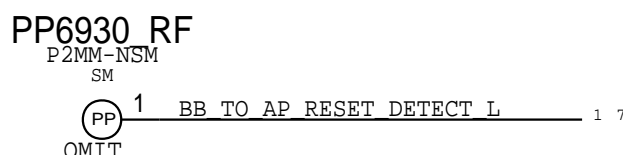
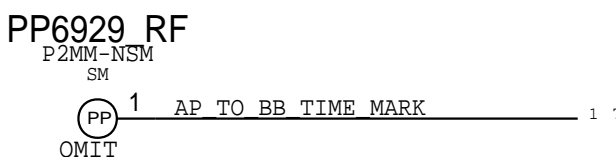
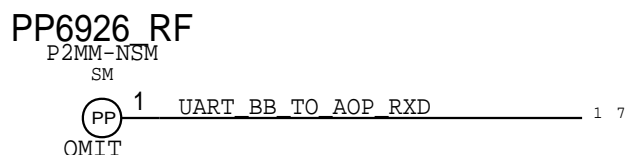
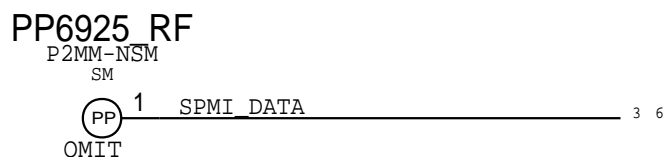
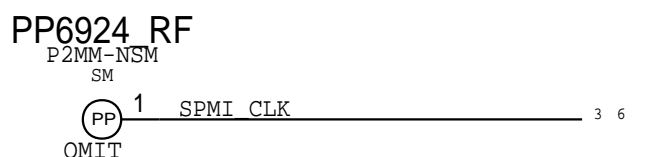
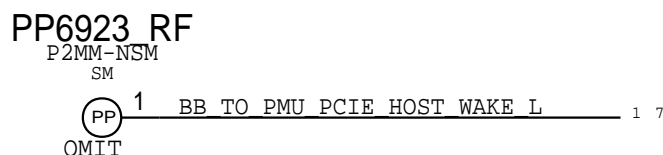
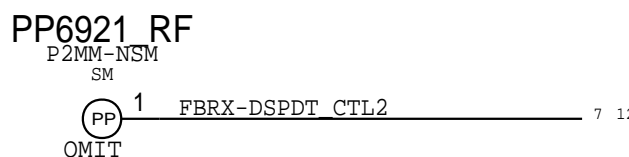
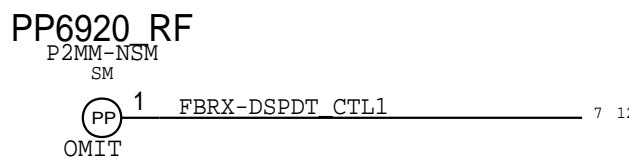
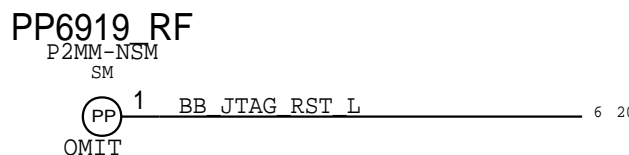
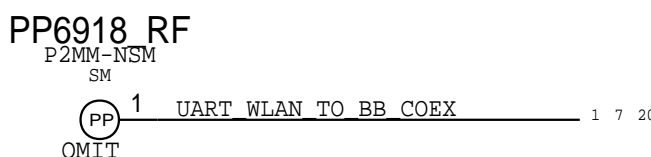
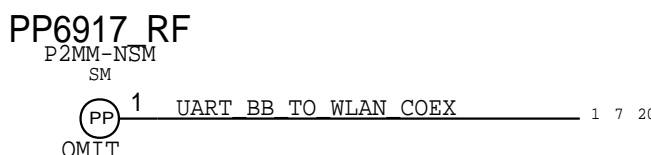
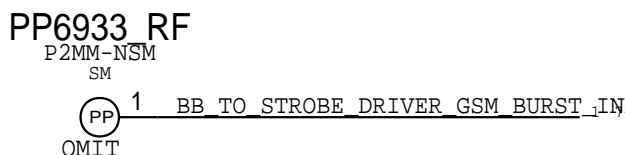
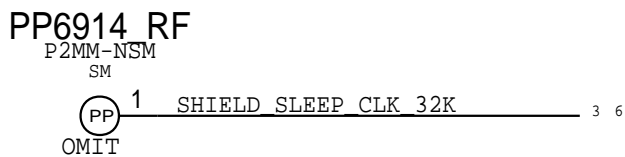
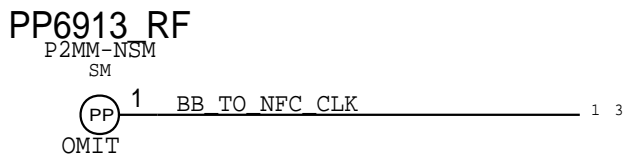
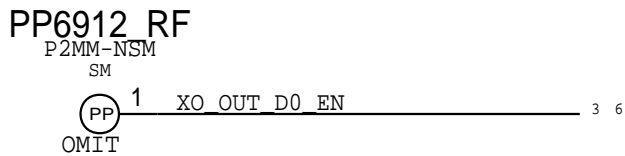
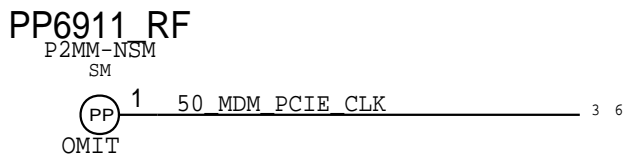
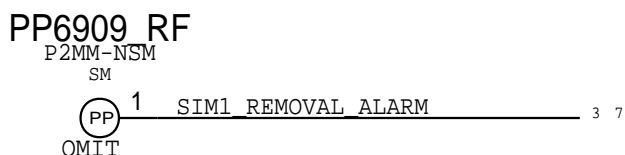
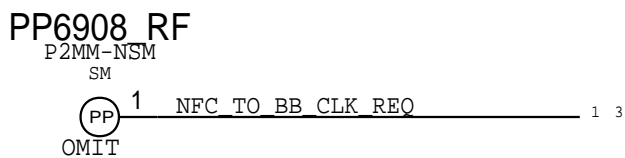
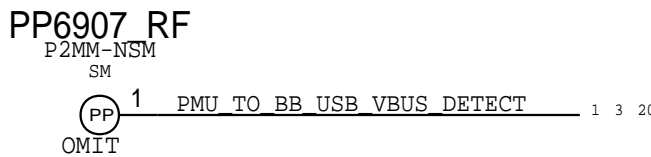
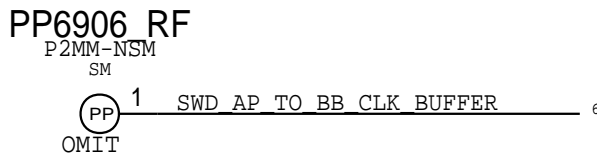
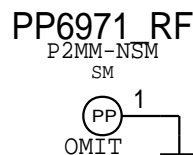
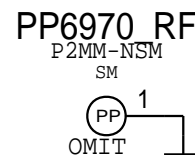
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MLB TEST POINTS

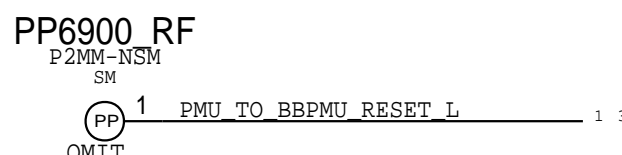
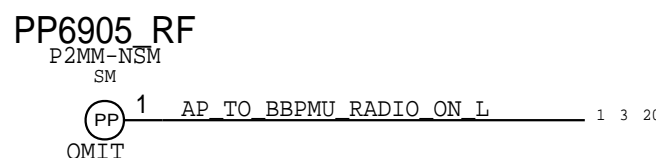
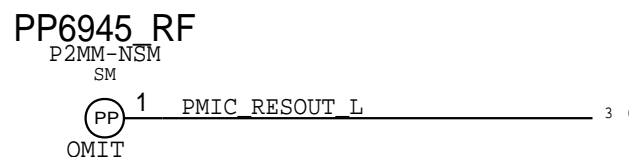
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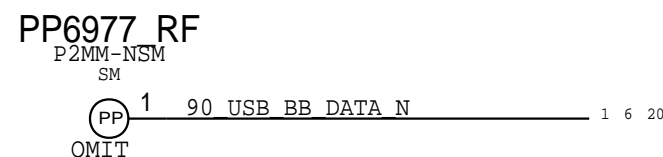
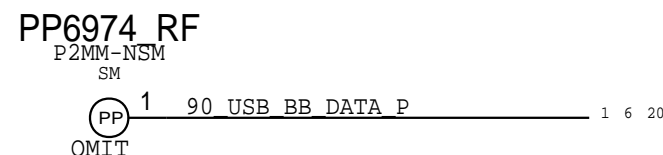
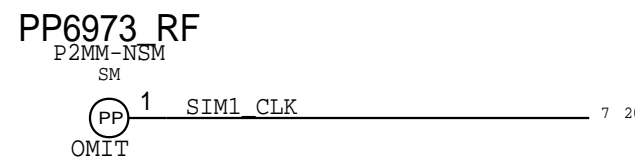
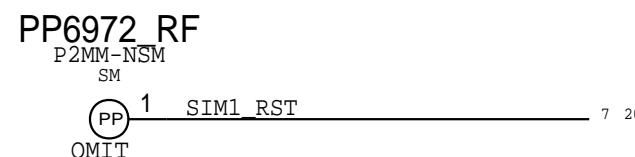
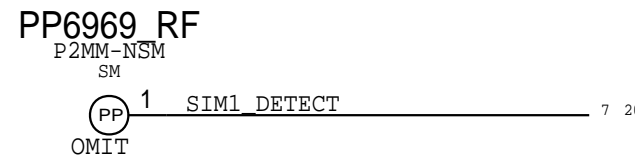
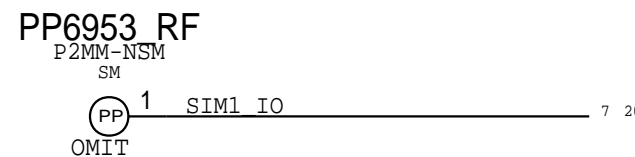
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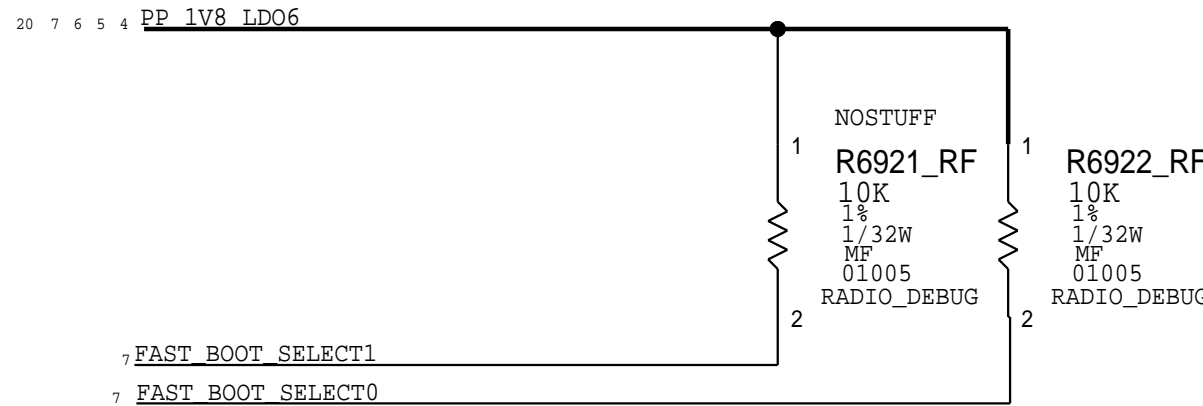
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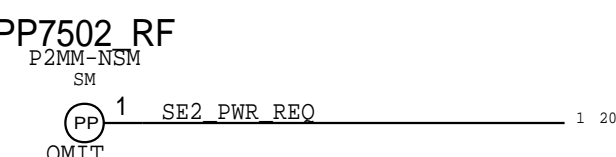
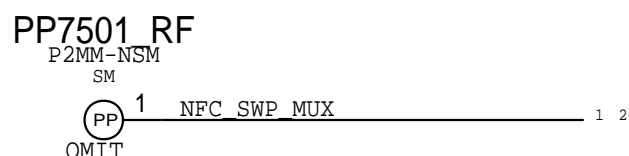
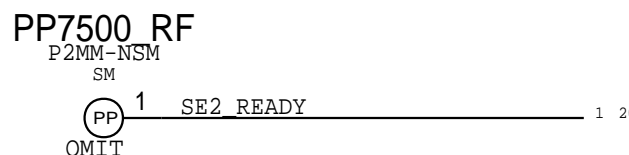
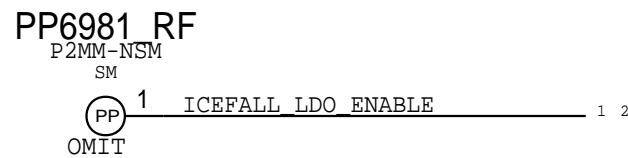
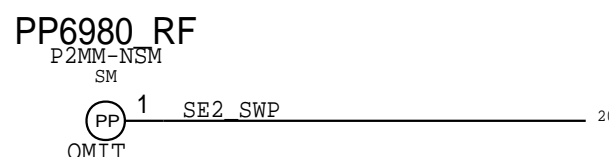
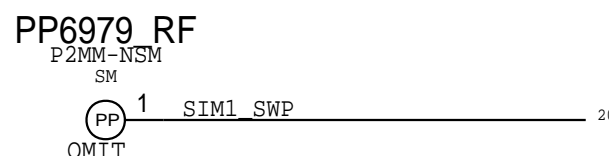
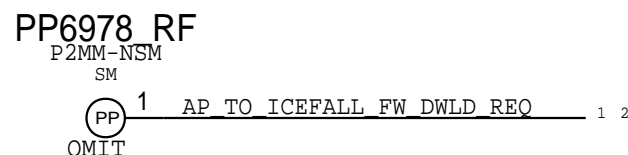
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BOOT CONFIG
DEFAULT FAST_BOOT[2:0]
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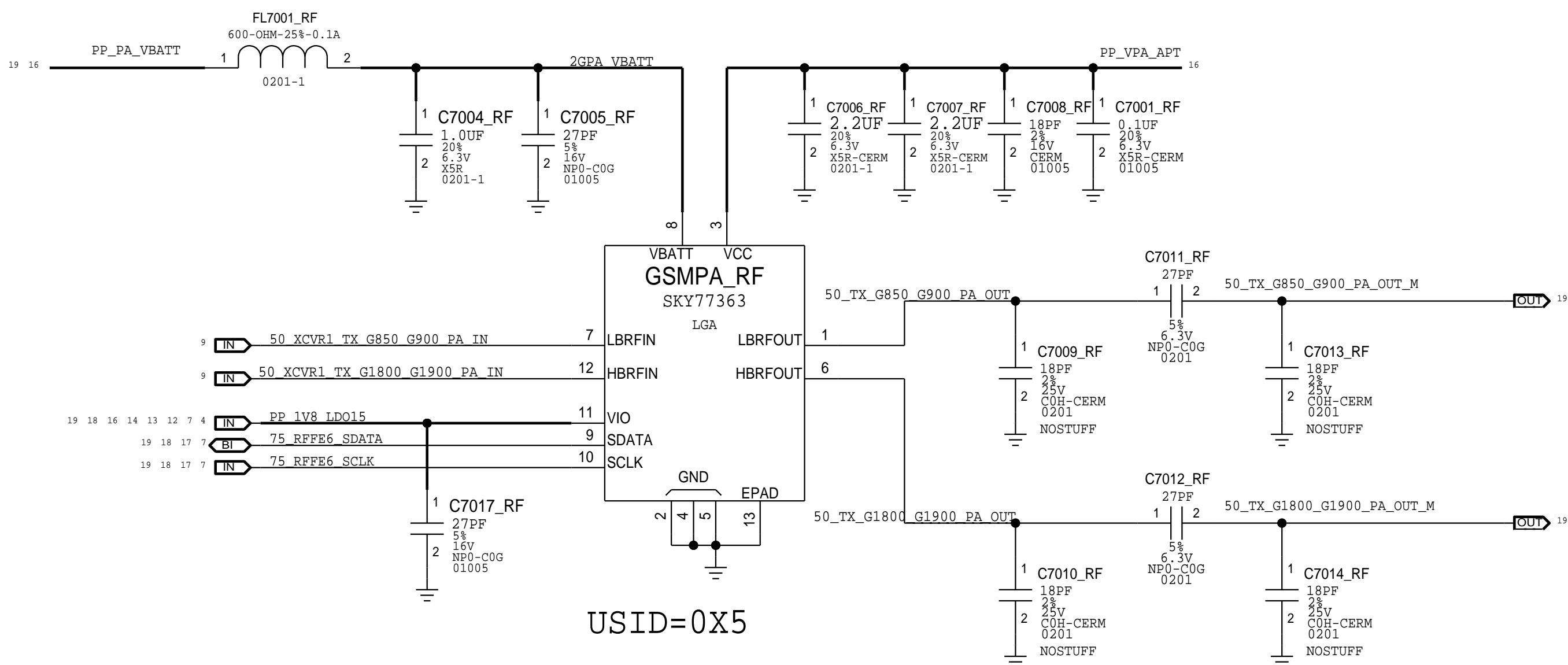
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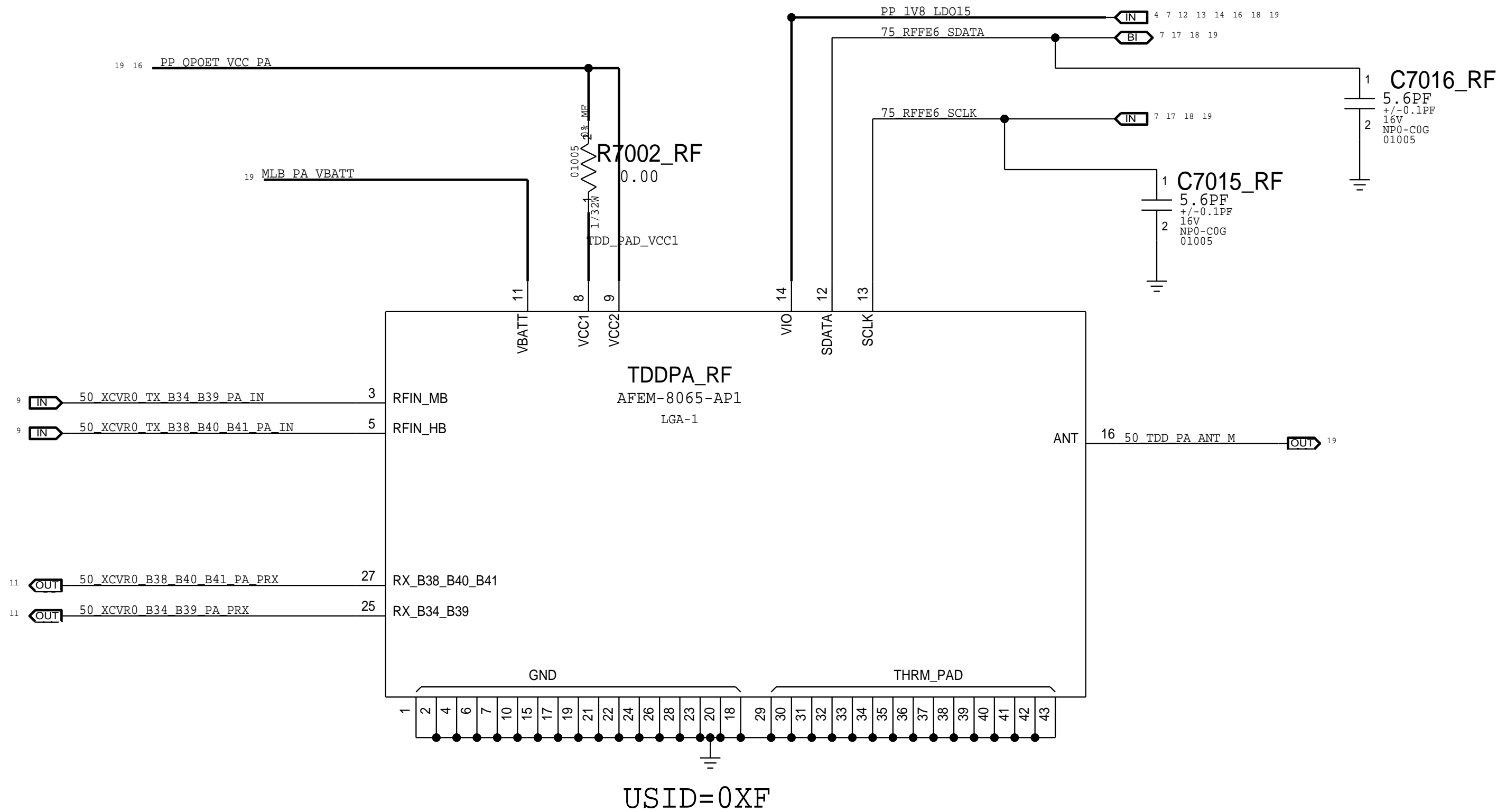
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TDD TRANSMIT

2G PA

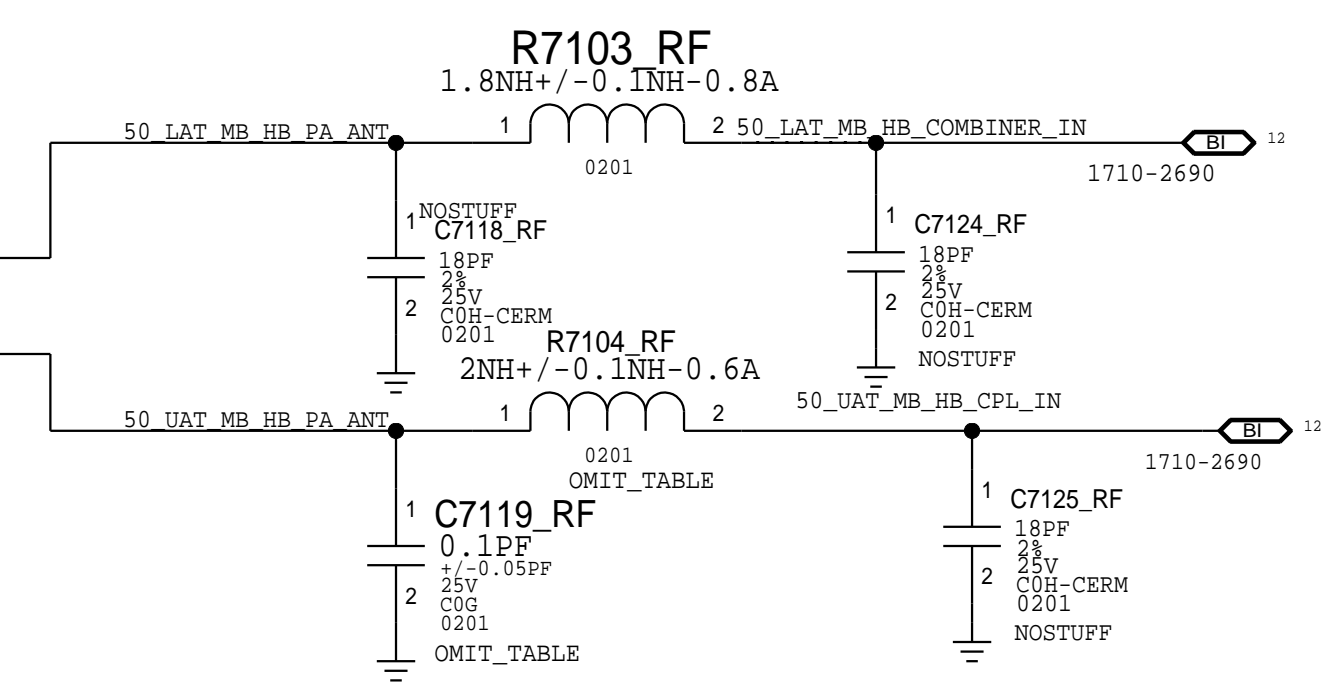
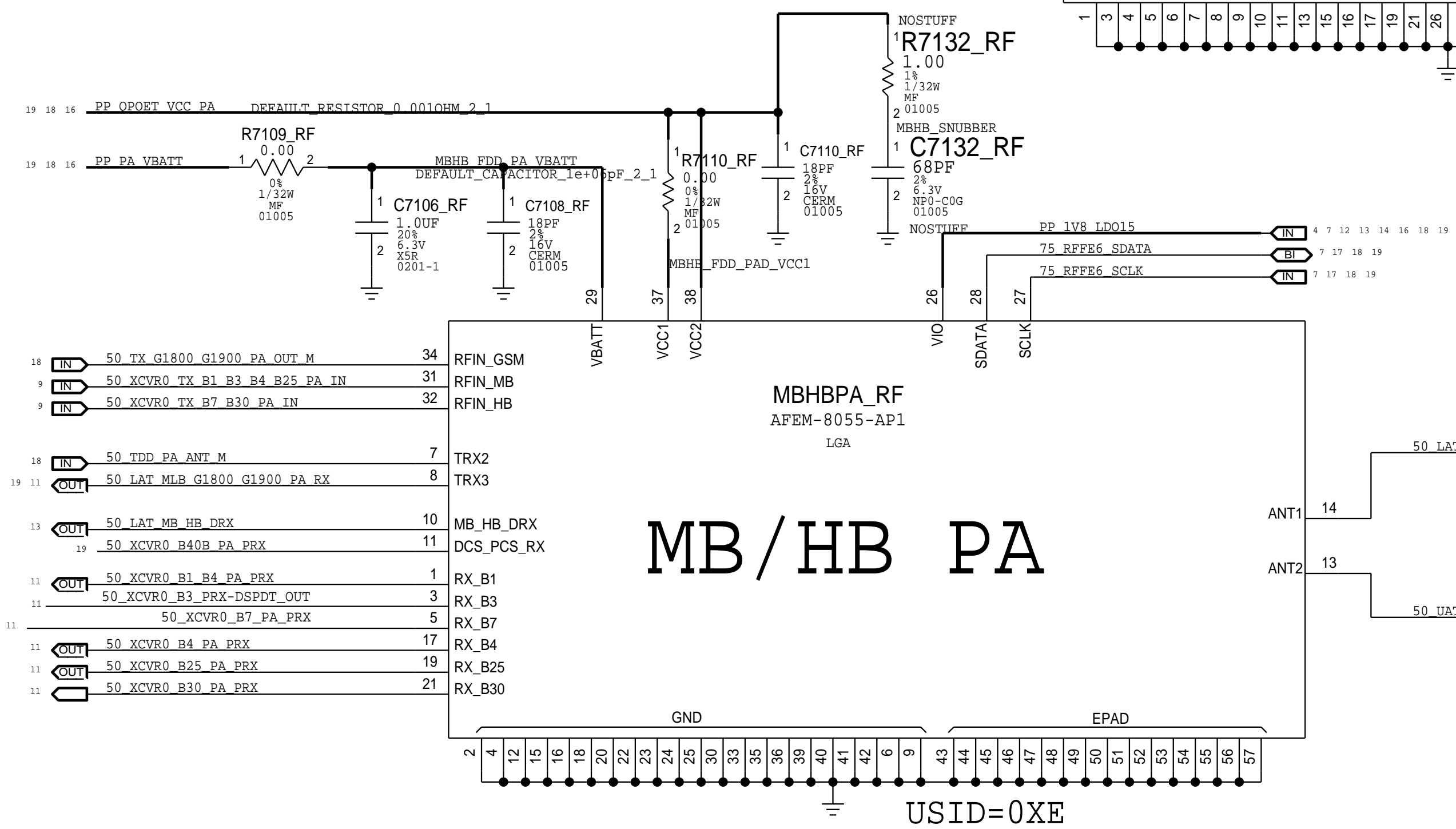
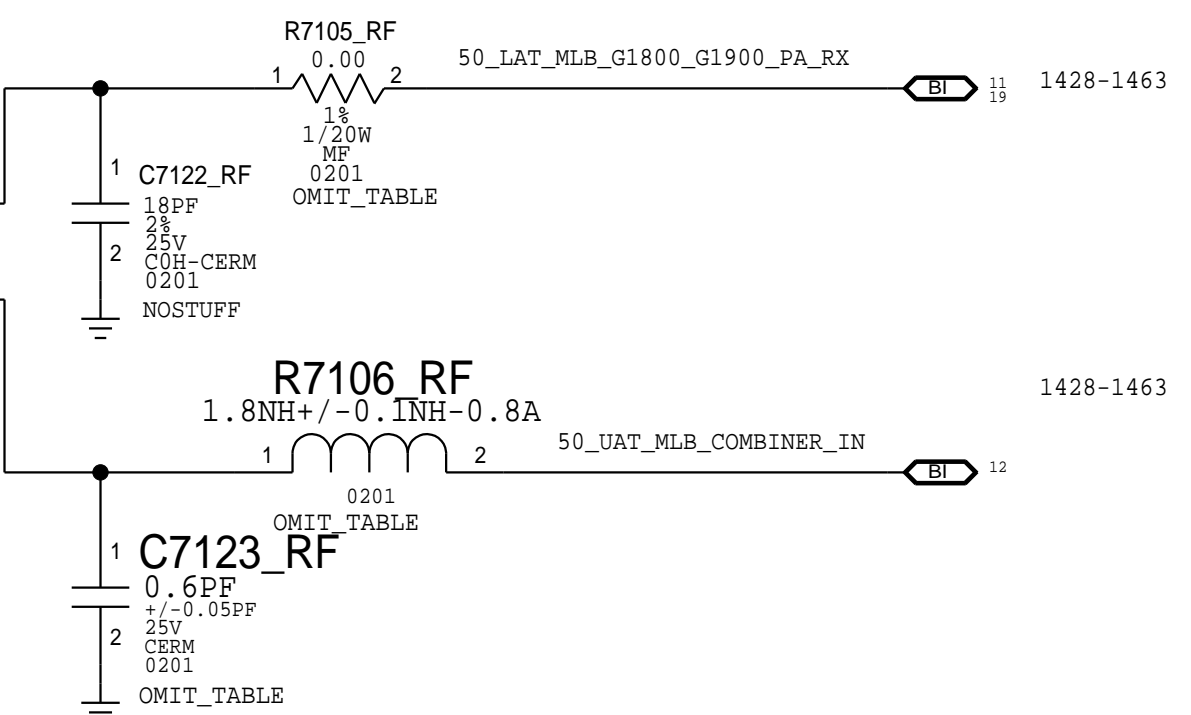
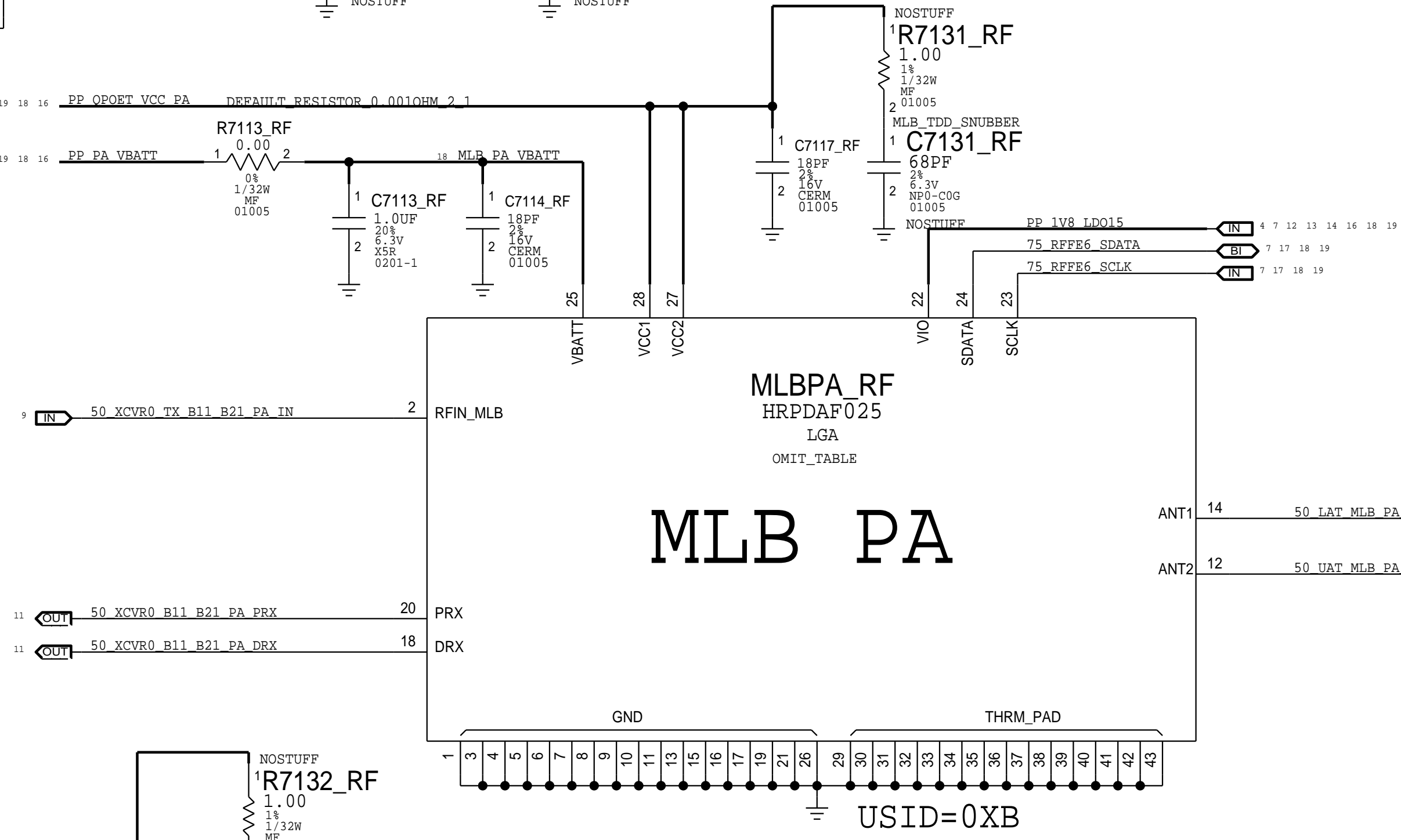
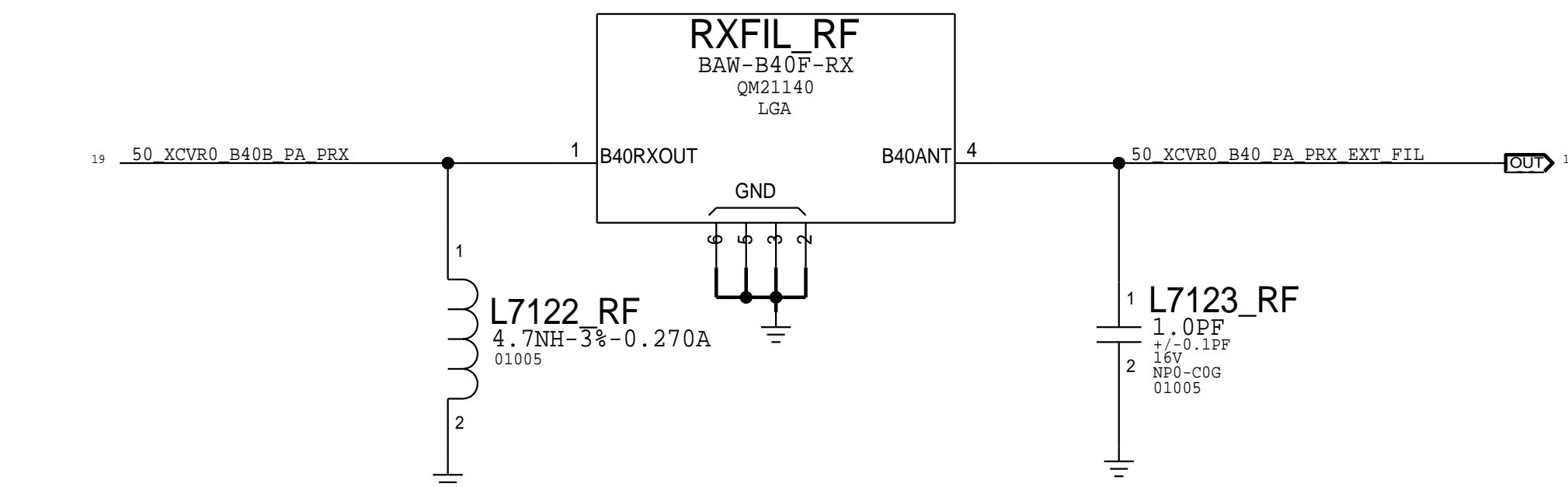
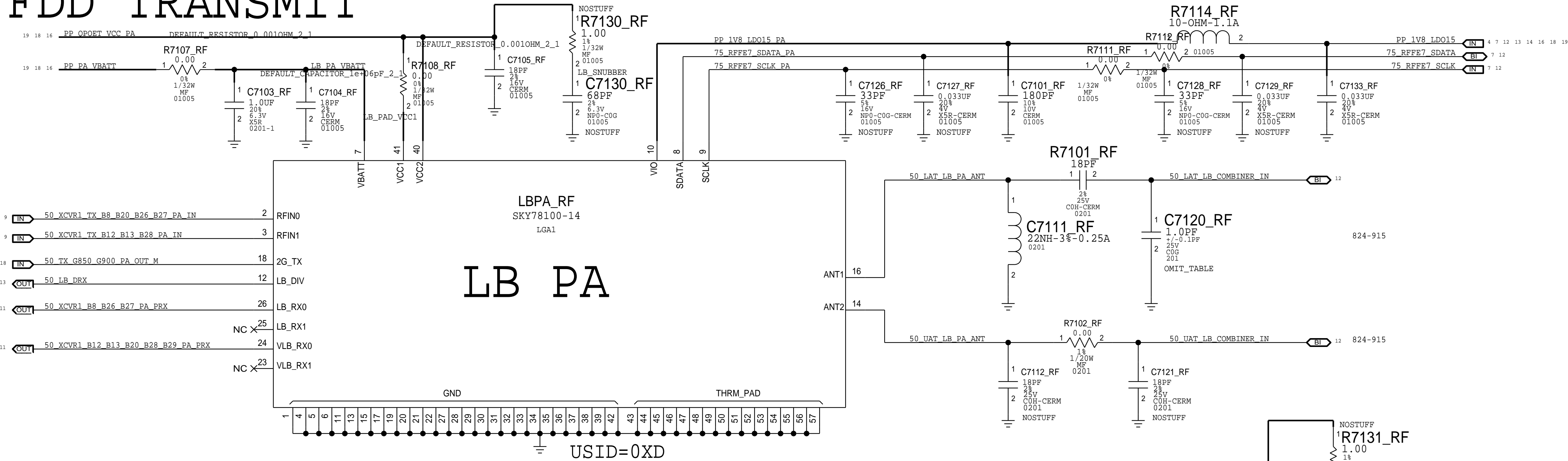


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