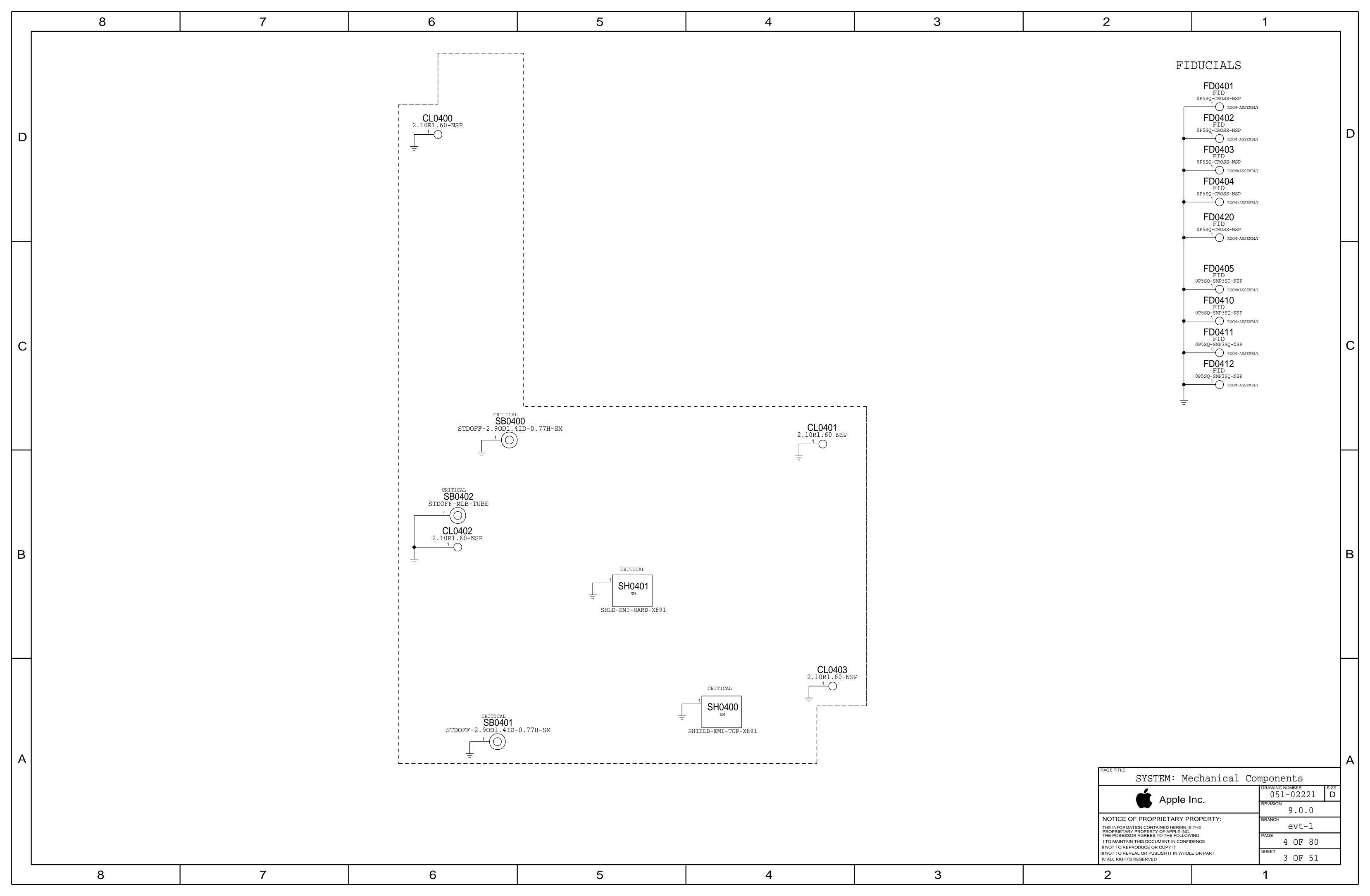
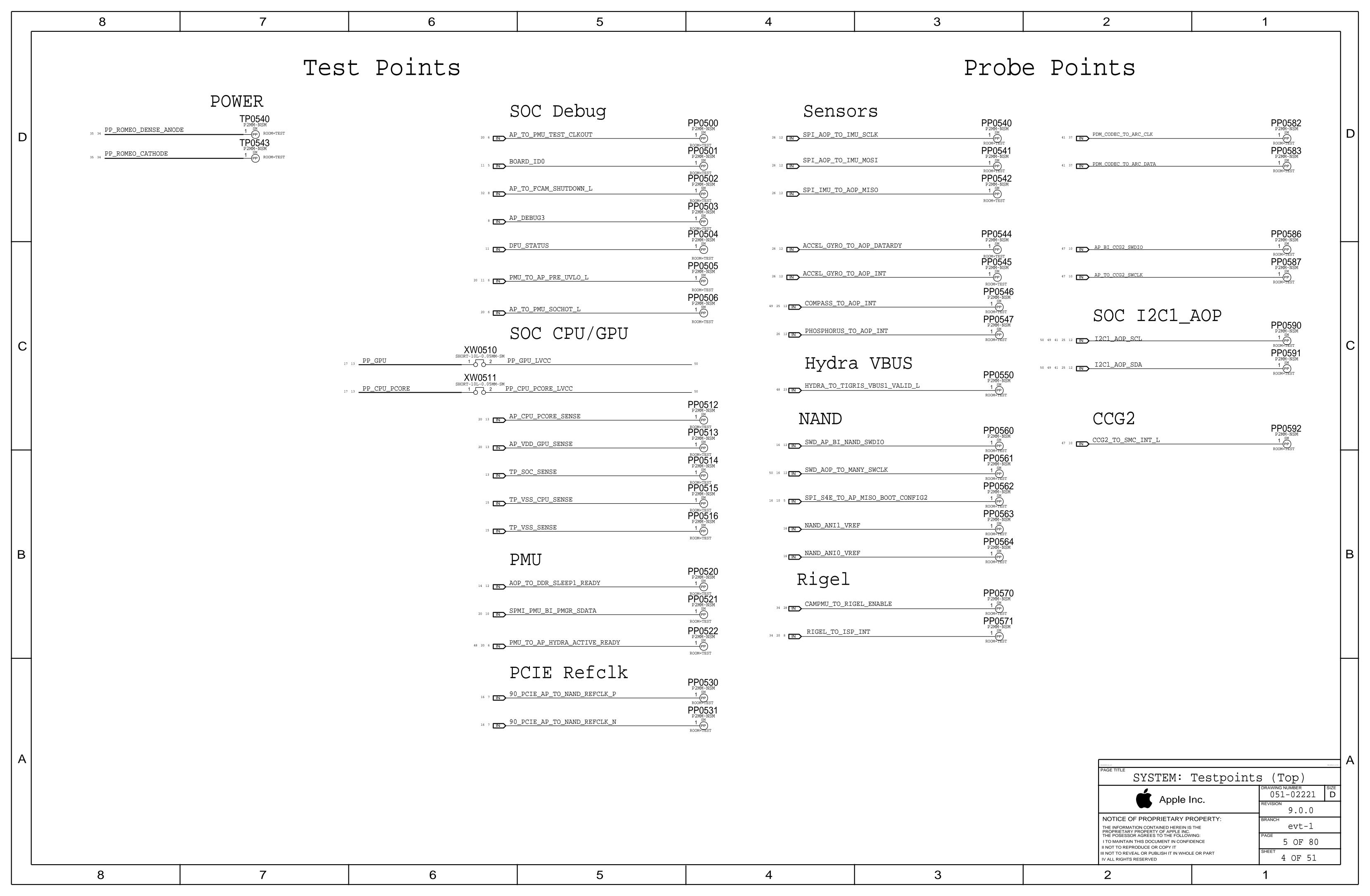
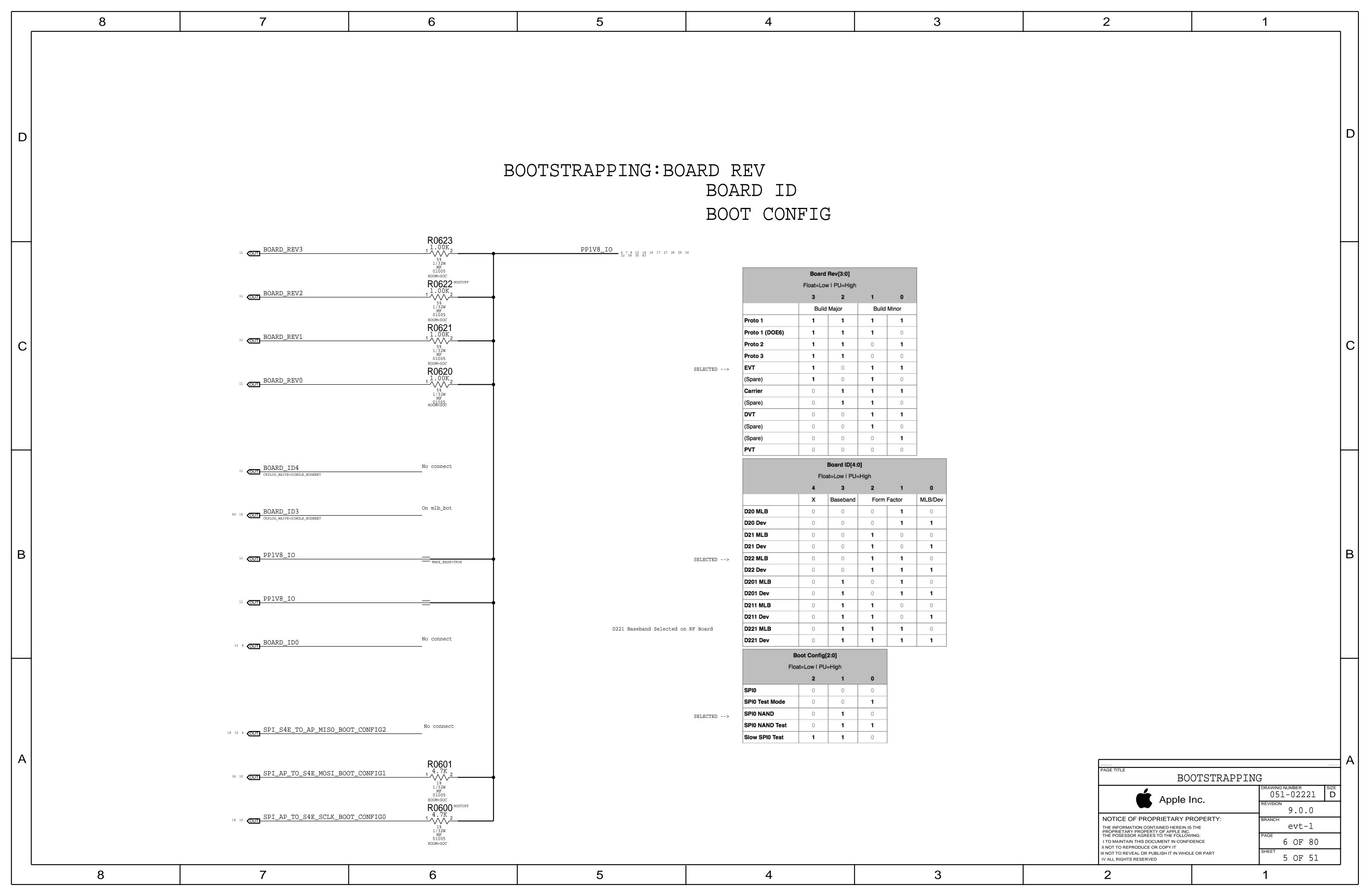
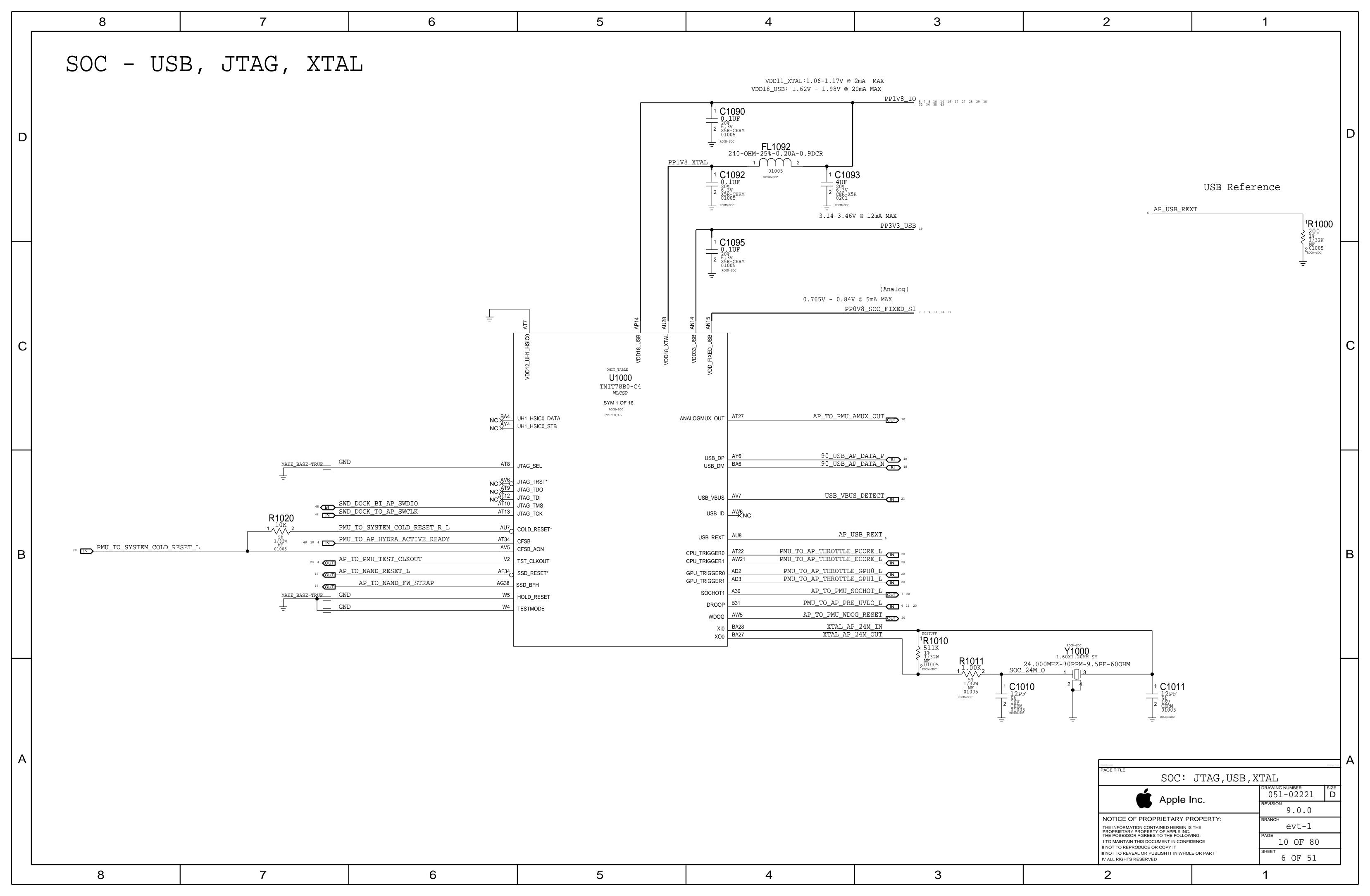
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	1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1	1 WATT +/- 5%.								R	EV ECN	DESCRIPTION OF REVISION	CK APPD	
	2. ALL CAPACITANCE VALUES ARE IN MICROF. 3. ALL CRYSTALS & OSCILLATOR VALUES ARE									_			DATE	-  I
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	X891/X8	93 MLB To	n: FMT											
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ر		PAGE CSA CONTENT		SYNC	DATE		CONTENTS	)ale			ATE			
		1 1 TABLE OF 2 SYSTEM:BO		test_mlb	10/13/2016		I/O: Accessory B I/O: USB PD	BUCK			0/17/2016 0/13/2016			
			Mechanical Components		10/12/0016		I/O: Hydra				0/13/2016			
		4         5         SYSTEM: 1           5         6         BOOTSTRAP	Pestpoints (Top) PPING	test_mlb test_mlb	10/13/2016		I/O: B2B Dock I/O: Interposer	(Bottom)			0/13/2016 0/13/2016			
			,USB,XTAL	test_mlb	10/17/2016	51 80	RADIOS			0	6/04/2015			
		7 11 SOC: PCIE 8 12 SOC: MIPI		test_mlb test_mlb	10/17/2016 10/13/2016									
		9 13 SOC: LPDP		test_mlb	10/13/2016									
		10 14 SOC: Seri 11 15 SOC: GPIO		test_mlb test_mlb	10/17/2016									
		12 16 SOC: AOP		test_mlb	10/17/2016									
		13 17 SOC: Powe 14 18 SOC: Powe		test_mlb test_mlb	10/17/2016									
		15 19 SOC: Powe		test_mlb	10/17/2016									
$ \begin{bmatrix} 1 \end{bmatrix} $		16 26 NAND 17 27 SYSTEM PO	OWER: PMU Bucks (1/4)	test_mlb test_mlb	10/13/2016									
			WER: PMU Bucks (2/4)	test_mlb	10/13/2016									
			OWER: PMU LDOs (3/4) OWER: PMU (4/4)	test_mlb test_mlb	10/13/2016									
			WER: Boost	test_mlb	10/13/2016									
			OWER: B2B Battery	test_mlb	10/13/2016									
		-	WER: Charger WER: Iktara	test_mlb	10/13/2016									
			WER: B2B Cyclone + Button	test_mlb	10/13/2016									
		26 36 SENSORS 27 37 CAMERA: P	PMU (1/2)	test_mlb test_mlb	10/13/2016									
		28 38 CAMERA: P	PMU (2/2)	test_mlb	10/13/2016									
		29 39 CAMERA: B 30 40 CAMERA: B	32B Wide (WY) 32B Tele (MT)	test_mlb test_mlb	10/13/2016									
		31 41 CAMERA: S	Strobe Drivers	test_mlb	10/13/2016									
		32 42 CAMERA: B 33 43 CAMERA: B	32B FCAM 32B Strobe + Hold Button	test_mlb test_mlb	10/13/2016									
$\mathbf{a} \mid$		34 44 PEARL: Po		test_mlb	10/13/2016									В
ر			B Romeo + Juliet B Rosaline + Misc	test_mlb	10/13/2016									
		36 46 PEARL: B2 37 47 AUDIO: CO		test_mlb test_mlb	10/13/2016									
		38 48 AUDIO: CO		test_mlb	10/13/2016									
			peaker Amp Bottom Deaker Amp Top		08/25/2015 08/25/2015									
		41 51 ARC: Driv		test_mlb	10/13/2016									
		42 56 CG: Power 43 57 CG: B2B D	Supplies - Touch & Display Display	test_mlb test_mlb	10/13/2016									
			orb & Touch		08/25/2015									
		45 59 I/O: Over	voltage Cut-Off Circuit	sync	01/10/2017									
<u>م</u>	BOM:639-04583 (Ultimate)									TABLE OF CONTENTS		$ _{A} $		
	BOM:639-03409 (Extreme) MCO:056-04077										RAWING TITLE	CH,MLB,TOP,X891		
												DRAWING	SIZE NUMBER SIZE D	
			Sale (, Mai									ppie inc.		
	PART# QTY DESCRIPTION  051-02221 1 SCH,MLB_TOP,X891	REFERENCE DESIGNATOR(S) CRITICAL BOM OPTIO  SCH NO COMMON	DN market								NOTICE OF PROPRIE THE INFORMATION CONTAINE PROPRIETARY PROPERTY OF THE POSESSOR AGREES TO		evt-1	
	820-00863 1 PCB,MLB_TOP,X891	PCB NO COMMON	Mat.(, 700							1	TO MAINTAIN THIS DOCUME NOT TO REPRODUCE OR CO	NT IN CONFIDENCE PY IT	1 OF 80	]
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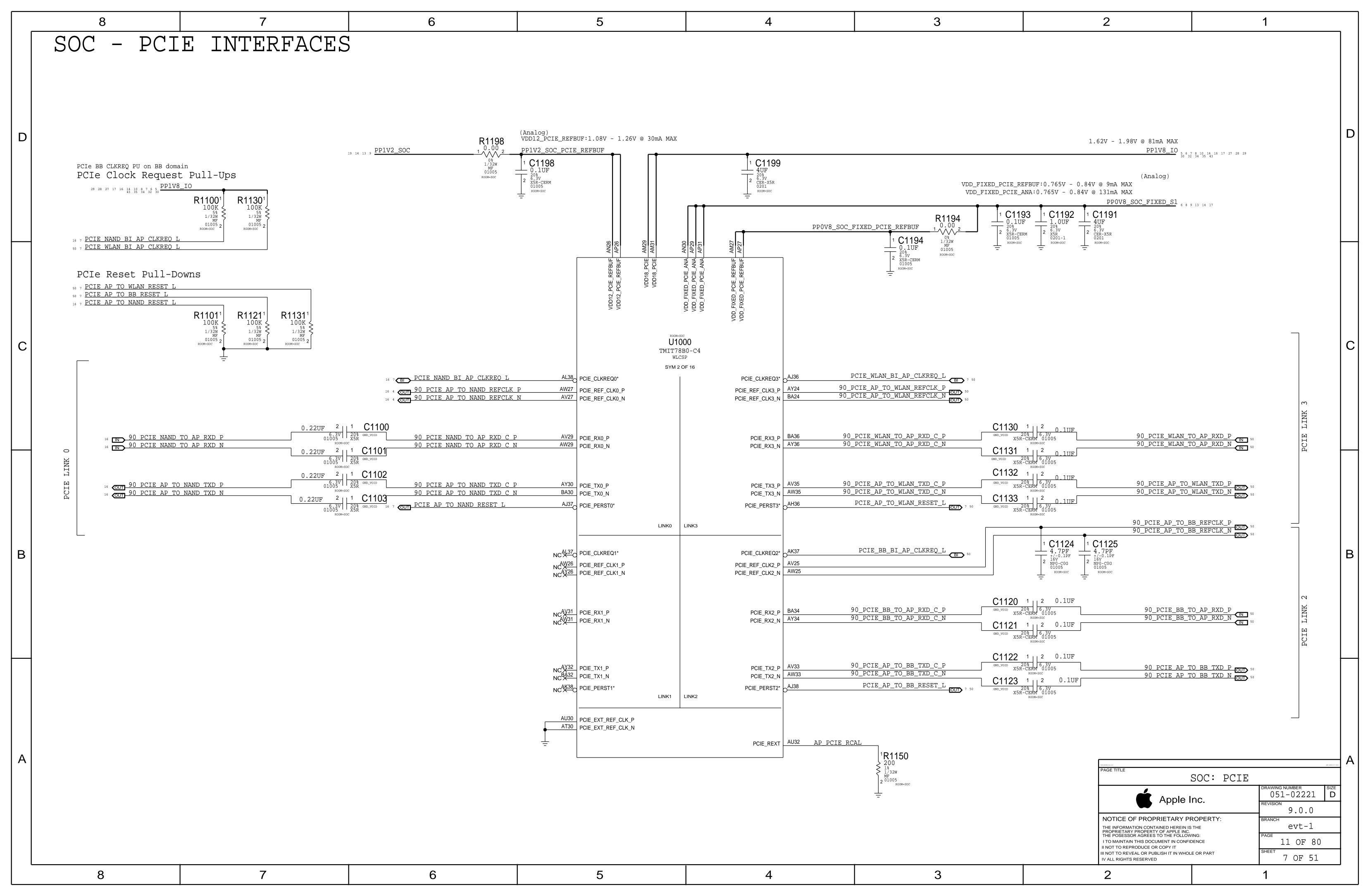
8 7 6	5	4	3	2		1
EEEE Codes  PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION  825-7691 1 EEEE FOR (MLB_TOP,639-04583,ULTIMATE) EEEE_J2WJ NO ULTIMATE  825-7691 1 EEEE FOR (MLB_TOP,639-03409,EXTREME) EEEE_HP26 NO EXTREME	Global Ferr  PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DE  155800194 15580610 BOM_TABLE_ALTS ALL  155800200 15580610 BOM_TABLE_ALTS ALL	ES COMMENTS: CRITICAL PART# COMMEN	NT  D, 1500HM, 01005	Agnes Input	REFERENCE DESIGNATOR(S)  SUBBOM_CAP  CRITICAL	BOM OPTION  COMMON  BOM OPTION
D SOC  PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION  339S00358 1 SKYE+3GB, BO, M, DEV U1000 CRITICAL COMMON	Global R/C I	teat, at color	Nimes	138S00159 4 CAP, SOFT-TERM, 2.2UF, 6.3V, 0201, KYOCERA  138S0831 4 CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA  Agnes Output  PART# QTY DESCRIPTION  138S00159 9 CAP, SOFT-TERM, 2.2UF, 6.3V, 0201, KYOCERA	C2970,C2971,C2980,C2981 CRITICAL  REFERENCE DESIGNATOR(S) CRITICAL	SOFT_CAP  TYPICAL_CAP  BOM OPTION  SOFT_CAP
PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DES         COMMENTS:           339S00359         339S00358         BOM_TABLE_ALTS         U1000         DDR-H, 3G, B0           339S00360         339S00358         BOM_TABLE_ALTS         U1000         DDR-S-20, 3G, B0           339S00361         339S00358         BOM_TABLE_ALTS         U1000         DDR-S-18, 3G, B0	PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DEPART NUMBER           118S0764         118S0717         BOM_TABLE_ALTS         ALL           138S0648         138S0652         BOM_TABLE_ALTS         ALL           138S0739         138S0706         BOM_TABLE_ALTS         ALL           132S0436         132S0400         BOM_TABLE_ALTS         ALL           138S00049         138S0831         BOM_TABLE_ALTS         ALL	CRITICAL PART# COMMEN  RES, 3.92K, 0.1%, 0201  118S0717  RES, 3.  CAP, X5R, 4.7UF, 6.3V, 0.65NM, 0402, TAIYO  CAP, CER, X5R, 0.22UF, 20%, 6.3V, 20%  CAP, CER, X5R, 0.22UF, 20%, 6.3V, 01005  CAP, CER, X5R, 0.22UF, 20%, 6.3V, 01005  CAP, CER, X5R, 0.22UF, 20%, 6.3V, 01005	NT .92K, 0.1%, 0201 .92K, 0.000 .9	138S0831 9 CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA  Sensors  PART# QTY DESCRIPTION  138S00159 2 CAP, SOFT-TERM, 2.2UF, 6.3V, 0201, KYOCERA  138S0831 2 CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA	REFERENCE DESIGNATOR(S) CRITICAL  C3602,C3622 CRITICAL	TYPICAL_CAP  BOM OPTION  SOFT_CAP  TYPICAL_CAP
NAND Ultimate  PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION  335500287 1 HYNIX, 3DV3, ULTIMATE U2600 CRITICAL ULTIMATE	Global Indu  PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DE  152S00710 152S00617 BOM_TABLE_ALTS ALL	CTOTS  ES COMMENTS: CRITICAL PART# COMMENT	Total (Allinon, Allin	RCAM B2Bs           PART#         QTY         DESCRIPTION           138S00159         3         CAP, SOFT-TERM, 2.2UF, 6.3V, 0201, KYOCERA           138S0831         3         CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA           Strobe B2B	C3909,C3925,C4025 CRITICAL C3909,C3925,C4025 CRITICAL	BOM OPTION  SOFT_CAP  TYPICAL_CAP
PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DES COMMENTS:  335S00284 335S00287 BOM_TABLE_ALTS U2600 TOSHIBA, 1Z, ULTIMATE  335S00285 335S00287 BOM_TABLE_ALTS U2600 TOSHIBA, BICS3, ULTIMATE  335S00286 335S00287 BOM_TABLE_ALTS U2600 SANDISK, BICS3, ULTIMATE  335S00288 335S00287 BOM_TABLE_ALTS U2600 SANDISK, BICS3, ULTIMATE	152800712       152800620       BOM_TABLE_ALTS       ALL         152800713       152800621       BOM_TABLE_ALTS       ALL         152800714       152800622       BOM_TABLE_ALTS       ALL         152800716       152800626       BOM_TABLE_ALTS       ALL         152800717       152800631       BOM_TABLE_ALTS       ALL         152800718       152800632       BOM_TABLE_ALTS       ALL         152800720       152800640       BOM_TABLE_ALTS       ALL	IND, MLD, 1.0UH, 20%, 3.5A, 53MO, H=.65, 2012  IND, MLD, 1.0UH, 20%, 2.1A, 100MO, H=.65, 2012  IND, MLD, 1.5UH, 20%, 1.1A, 160MO, H=.65, 2012  IND, MLD, 1.5UH, 20%, 1.1A, 160MO, H=.65, 2012  IND, MLD, 1.0UH, 20%, 2.5A, 78MO, H=0.8, 2012  IND, MLD, 1.0UH, 20%, 3.2A, 60MO, H=0.8, 2016  IND, MLD, 1.0UH, 20%, 3.2A, 60MO, H=0.8, 2016  IND, MLD, 1.0UH, 20%, 3.2A, 60MO, H=0.8, 2016  IND, MLD, 1.0UH, 20%, 3.2A, 60MO, H=0.8, 2016	.1UH, 20%, 7.2A, 17MOHM, H=0.8, 2012  .47UH, 20%, 3.5A, 53MO, H=.65, 2012  .0UH, 20%, 2.1A, 100MO, H=.65, 2012  .5UH, 20%, 1.1A, 160MO, H=.65, 2012  .0UH, 20%, 2.5A, 78MO, H=0.8, 2012  .0UH, 20%, 3.2A, 60MO, H=0.8, 2016	138S00159 1 CAP, SOFT-TERM, 2.2UF, 6.3V, 0201, KYOCERA 138S0831 1 CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA  Audio	C4303 CRITICAL  C4303 CRITICAL  REFERENCE DESIGNATOR(S) CRITICAL  C4809,C4805 CRITICAL	BOM OPTION  SOFT_CAP  TYPICAL_CAP  BOM OPTION  SOFT_CAP  TYPICAL_CAP
PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION  335S00240 1 HYNIX, 3DV3, EXTREME U2600 CRITICAL EXTREME  PART NUMBER ALTERNATE FOR BOM OPTION REF DES COMMENTS:	152S00721 152S00641 BOM_TABLE_ALTS ALL 152S00715 152S00623 BOM_TABLE_ALTS ALL 152S00653 152S00651 BOM_TABLE_ALTS ALL 152S00649 152S00650 BOM_TABLE_ALTS L3340,L33	IND, MLD, 0.47UH, 4A, 48MO, H=0.8MM, 2012  IND, MLD, 1UH, 3.6A, 60MO, H=0.8MM, 2016  IND, 1.2UH, 3A, 2016, 0.65Z  IND, 0.47UH, 6.6A, 3225, 0.8Z  IND, 0.47UH, 6.6A, 3225, 0.8Z  IND, 0.47UH, 6.6A, 3225, 0.8Z	.47UH, 4A, 48MO, H=0.8MM, 2012  UH, 3.6A, 60MO, H=0.8MM, 2016  Total AMERICA, 2004  TOTAL AME	Pearl B2B	REFERENCE DESIGNATOR(S) CRITICAL C4613 CRITICAL	BOM OPTION  SOFT_CAP  TYPICAL_CAP
B BOM_TABLE_ALTS U2600 TOSHIBA, BICS3, EXTREME  335S00247 335S00240 BOM_TABLE_ALTS U2600 SANDISK, BICS3, EXTREME  335S00276 335S00240 BOM_TABLE_ALTS U2600 SAMSUNG, 3DV4, EXTREME  Capacitors  PART NUMBER ALTERNATE FOR BOM OPTION REF DES COMMENTS:  CRITICAL PART# COMMENT	PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DE 19780612 19780446 BOM_TABLE_ALTS Y1000	ES COMMENTS: CRITICAL PART# COMMENT	Mar (2000), 700	PART# QTY DESCRIPTION  138S00160 2 CAP,SOFT-TERM,10UF,10V,0402,MURATA  138S0979 2 CAP,TYPICAL,10UF,10V,0402,MUR/KYO  CODEC  PART# QTY DESCRIPTION  138S00160 2 CAP,SOFT-TERM,10UF,10V,0402,MURATA	C5641,C5653 CRITICAL C5641,C5653 CRITICAL  REFERENCE DESIGNATOR(S) CRITICAL	BOM OPTION  SOFT_CAP  TYPICAL_CAP  BOM OPTION  SOFT_CAP
PART NUMBER   ALTERNATE FOR PART NUMBER   BOM OPTION   REF DES   COMMENTS:   CRITICAL PART#   COMMENT	Multi-Vendo  CRITICAL PART# COMMENT  377S0106 SUPPR, TRANS, VARISTOR, 12V, 33PF, 01005  197S0446 XTAL, 24MHZ, 30PPM, 9.5PF, 60 OHM MAX, 1612	CRITICAL PART# COMMENT  132S0288		138S0979 2 CAP, TYPICAL, 10UF, 10V, 0402, MUR/KYO  Ansel  PART# QTY DESCRIPTION  138S00160 1 CAP, SOFT-TERM, 10UF, 10V, 0402, MURATA  138S0979 1 CAP, TYPICAL, 10UF, 10V, 0402, MUR/KYO	REFERENCE DESIGNATOR(S)  CRITICAL  C3710  CRITICAL	TYPICAL_CAP  BOM OPTION  SOFT_CAP  TYPICAL_CAP
138S00143 138S00144 BOM_TABLE_ALTS ALL 0402,16uF@1V, Kyocera  138S00163 138S00144 BOM_TABLE_ALTS ALL 0402,16uF@1V, Taiyo  PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DES COMMENTS:  138S00138 138S00139 BOM_TABLE_ALTS ALL 0201,3uF@1V, Kyocera  138S00164 138S00139 BOM_TABLE_ALTS ALL 0201,3uF@1V, Taiyo	155S0576 FERR BD,10 OHM,50%,750MA,0.07 DCR,01005  155S00168 FLTR,NOISE,65 OHMZ,3.4OHM,0.7-2GHZ,0605  138S0979 CAP,CER,X5R,10UF,20%,10V,0402,H=0.65MM  138S0692 CAP,CER,X5R,1UF,20%,6.3V,0201  138S0683 CAP,CER,X5R,1UF,10%,25V,0402  138S0652 CAP,CER,X5R,4.7UF,20%,6.3V,H=0.65MM,0402	132S0249		PART NUMBER	TOES COMMENTS:  SUBBOM, MLB, TOP, CAP, SOFT, X891	
PART NUMBER   ALTERNATE FOR PART NUMBER   BOM OPTION   REF DES   COMMENTS:	138S00070	131S0804 CAP, CER, 27PF, 5%, COG, 25V, 0201  131S0307 CAP, CER, NPO/COG, 100PF, 5%, 16V, 01005  131S0225 CAP, CER, NPO/COG, 15PF, 5%, 16V, 01005  131S0223 CAP, CER, NPO/COG, 27PF, 5%, 16V, 01005  131S0220 CAP, CER, NPO/COG, 12PF, 5%, 16V, 01005  131S0216 CAP, CER, NPO/COG, 47PF, 5%, 16V, 01005		PAGE TITLE		- CONSIDERATION
138S00140 138S00141 BOM_TABLE_ALTS ALL 0201,1.1uFe3V, Kyocera  138S00142 138S00141 BOM_TABLE_ALTS ALL 0201,1.1uFe3V, SEMCO  138S00166 138S00141 BOM_TABLE_ALTS ALL 0201,1.1uFe3V, Taiyo	132S0316	131S00053		NOTICE  THE INFORM PROPRIETAL THE POSESS I TO MAINTAL II NOT TO RE	SYSTEM: BOM To Apple Inc.  OF PROPRIETARY PROPERTY:  MATION CONTAINED HEREIN IS THE RY PROPERTY OF APPLE INC. SOR AGREES TO THE FOLLOWING:  IN THIS DOCUMENT IN CONFIDENCE PRODUCE OR COPY IT  VEAL OR PUBLISH IT IN WHOLE OR PART	DRAWING NUMBER 051-02221 D REVISION 9.0.0  BRANCH evt-1 PAGE 2 OF 80 SHEET 2 OF 51
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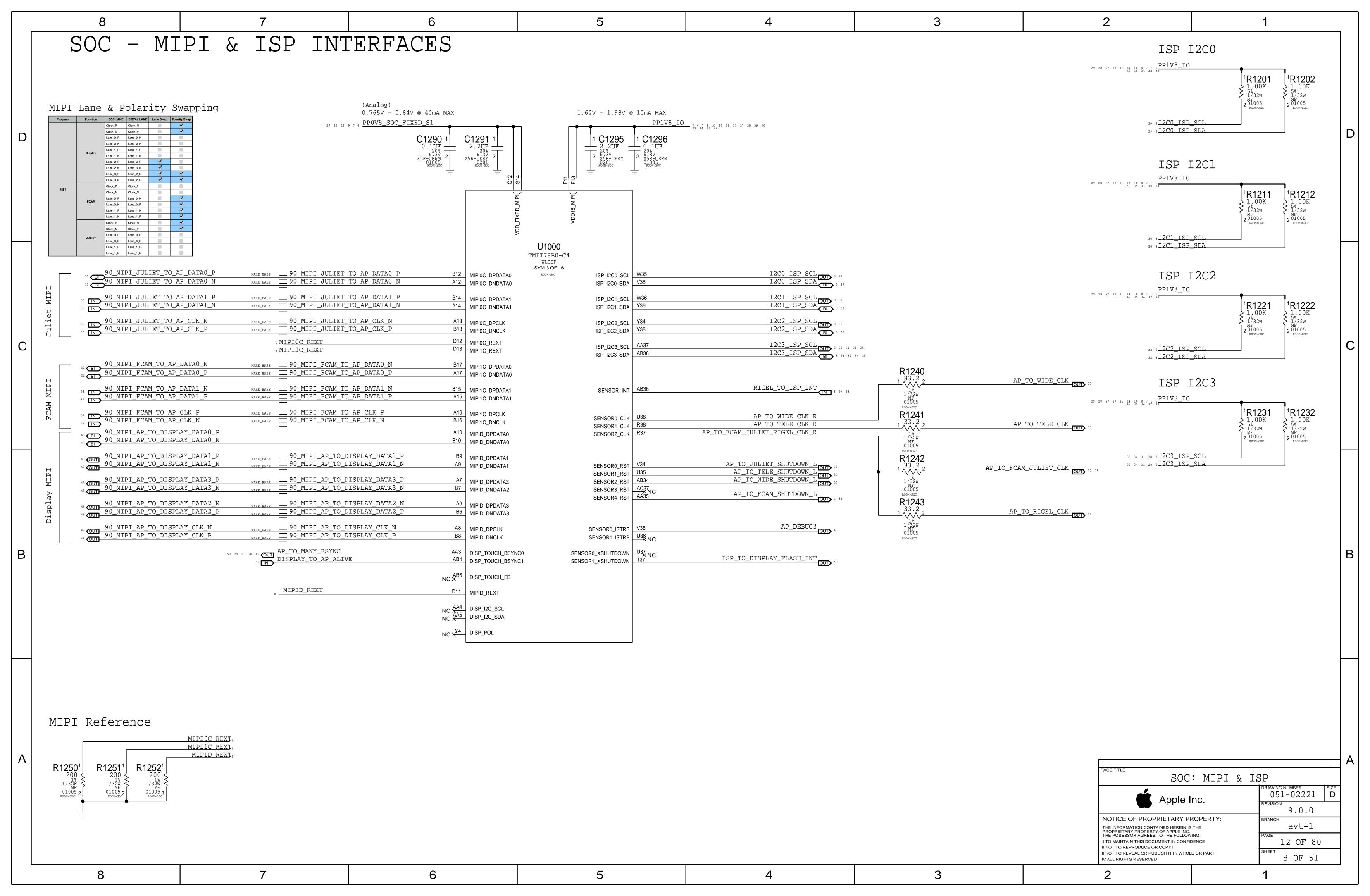


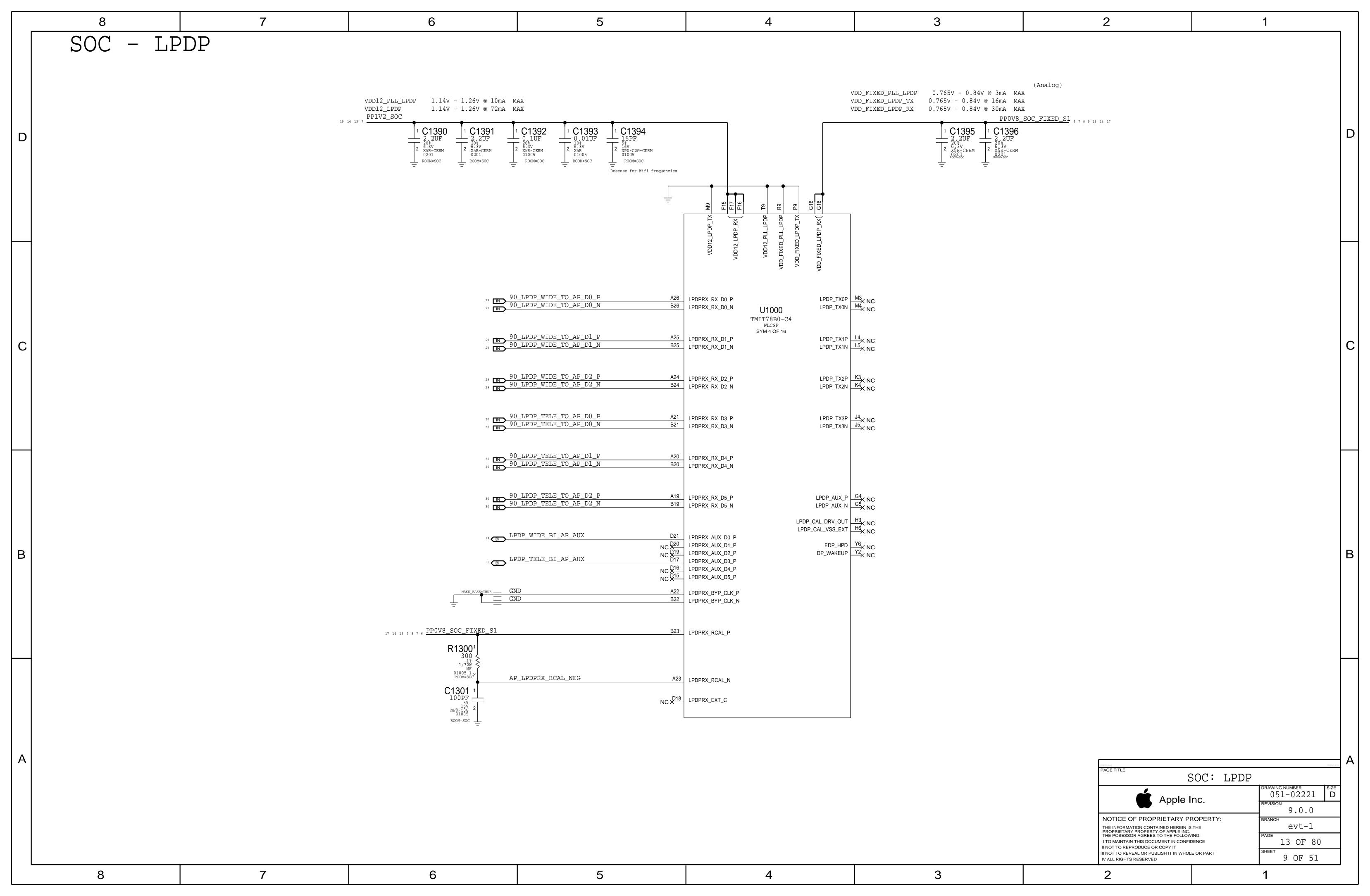


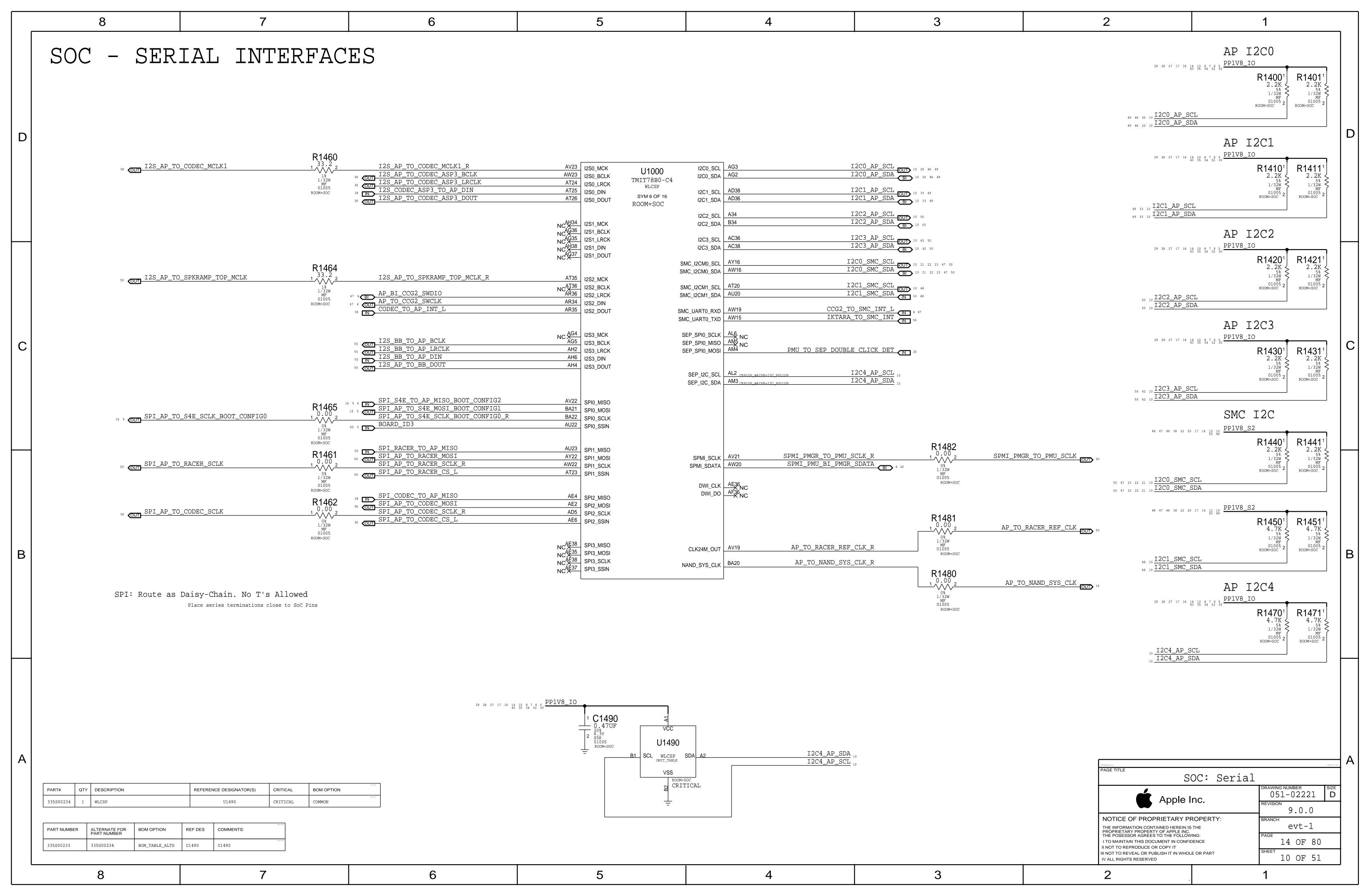


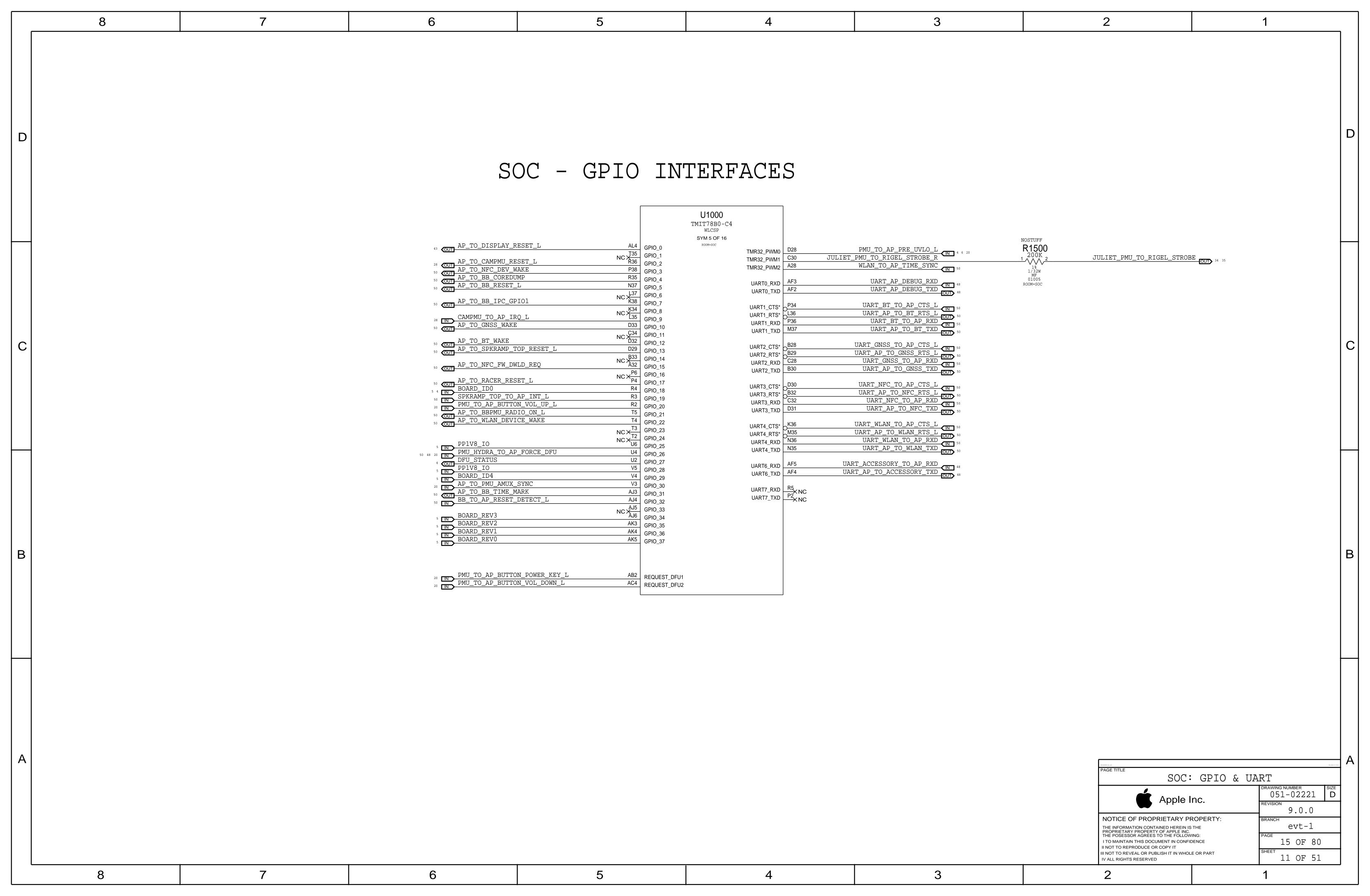


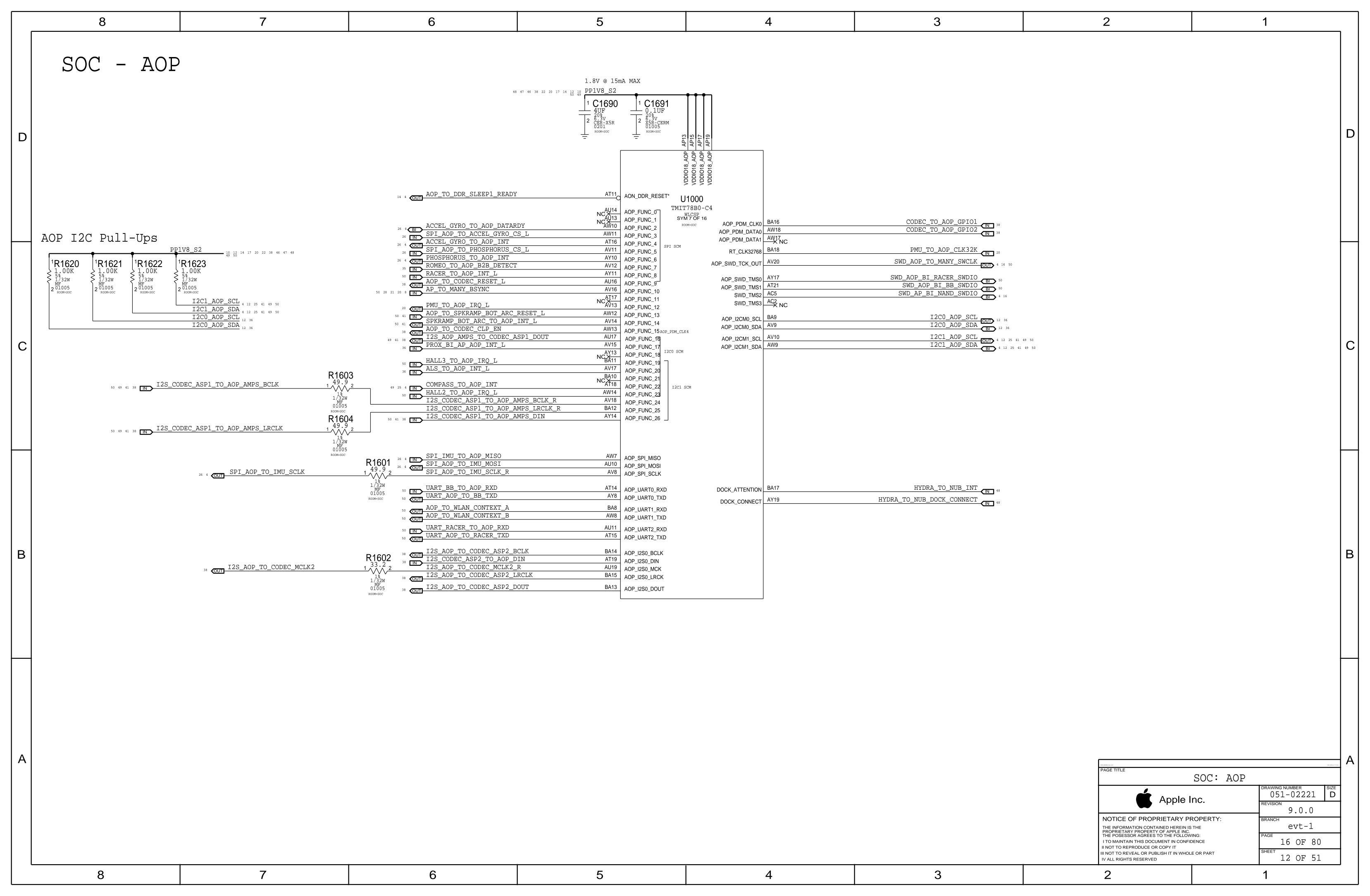


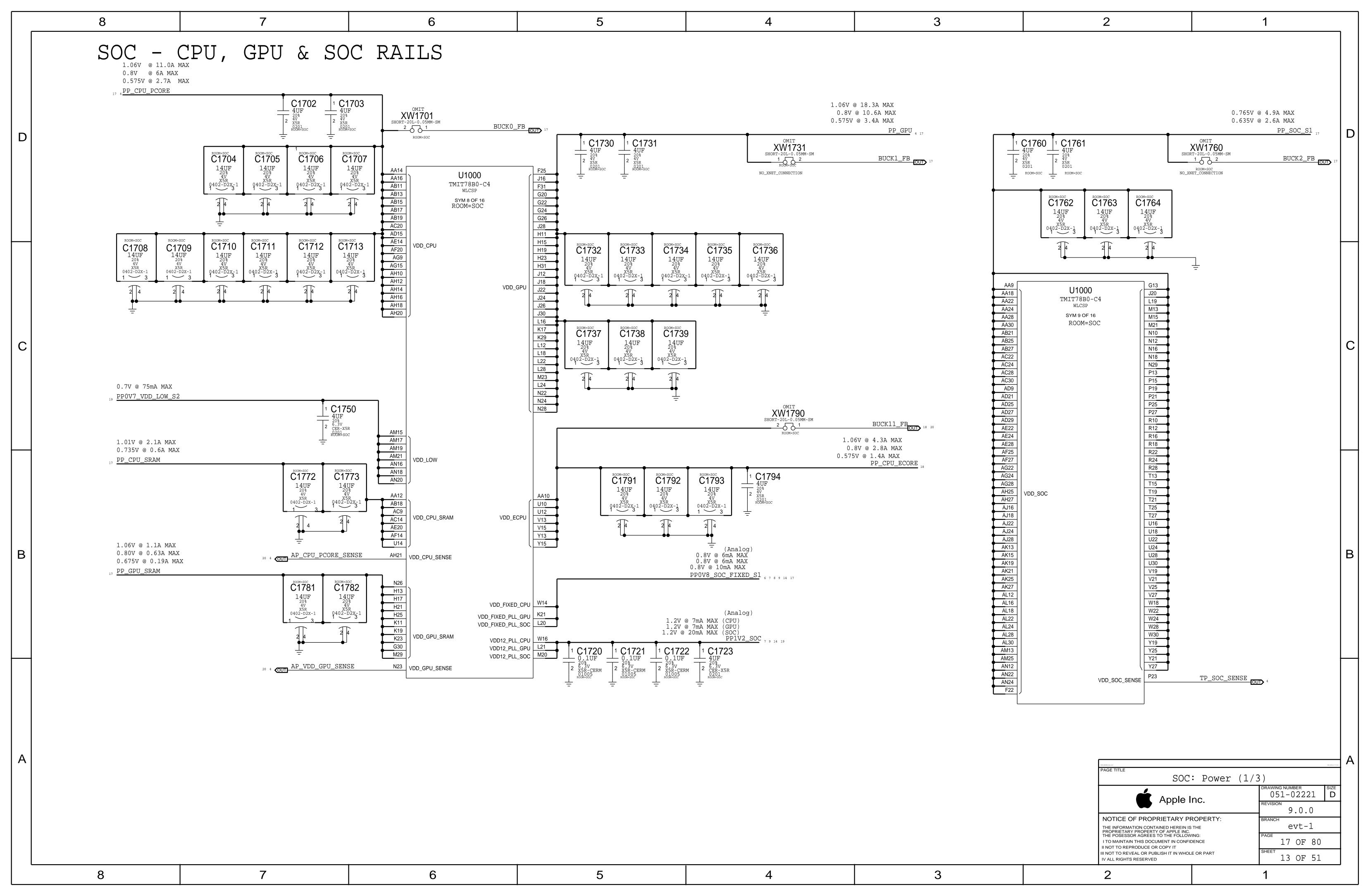


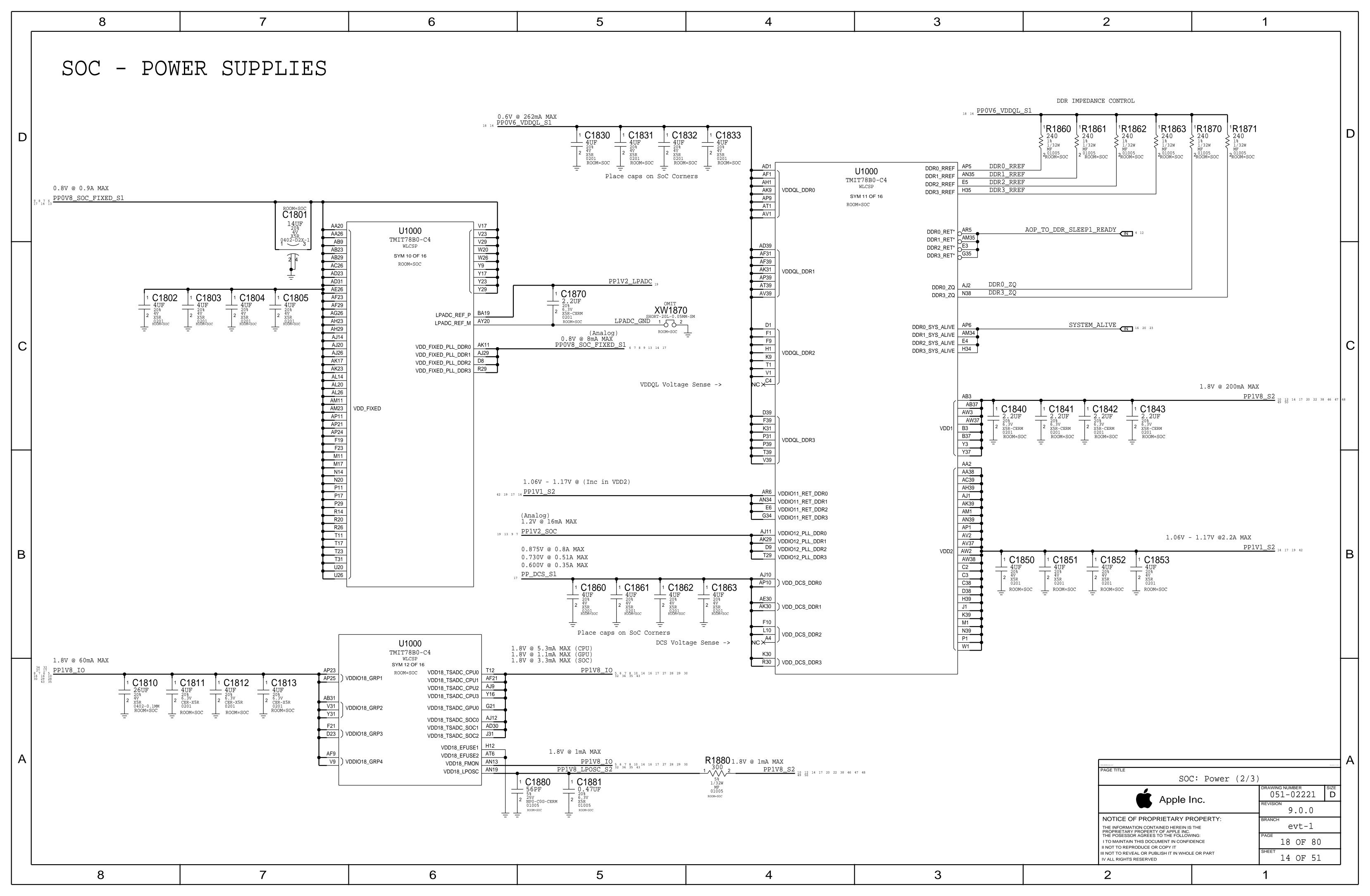


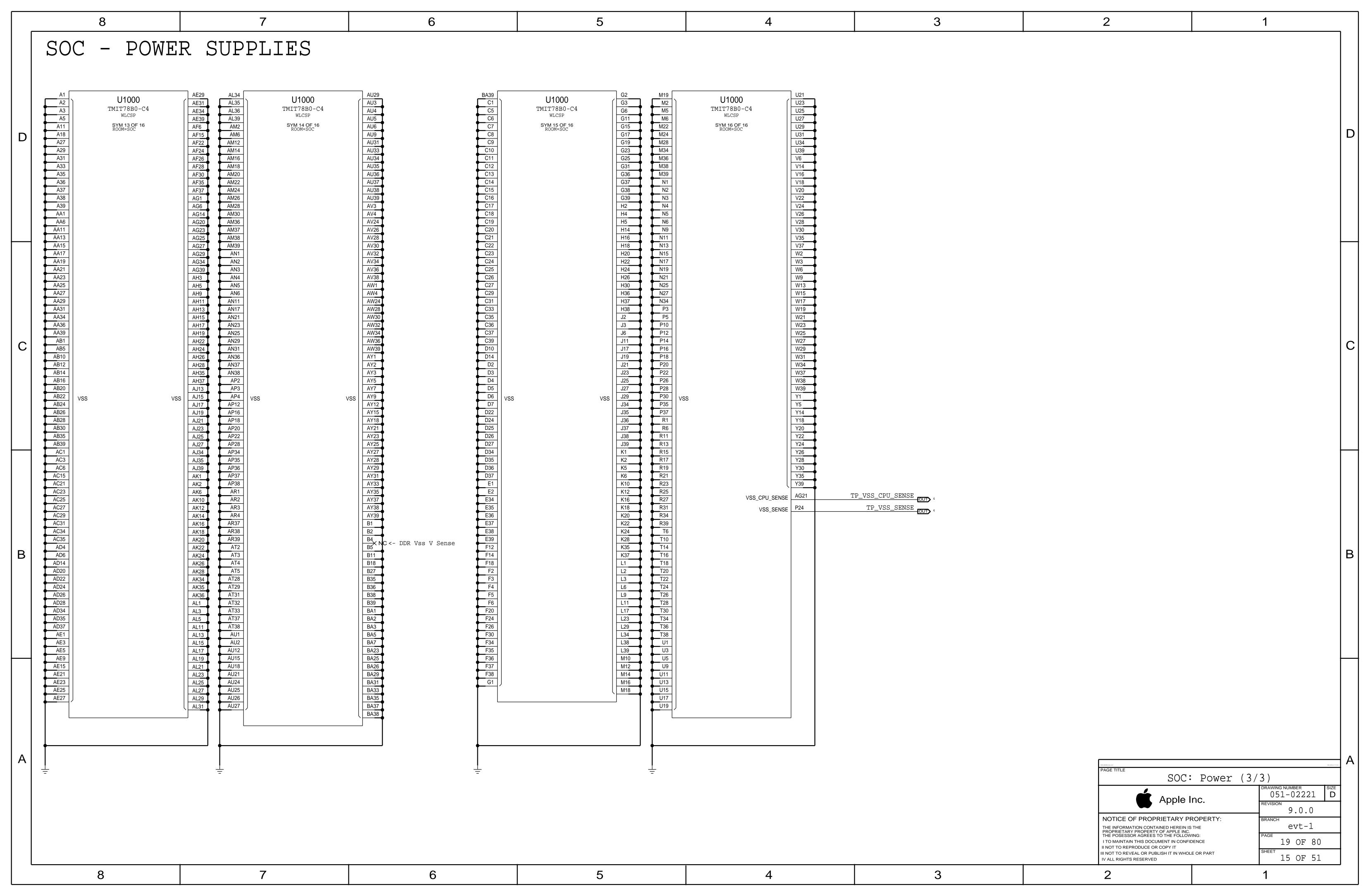


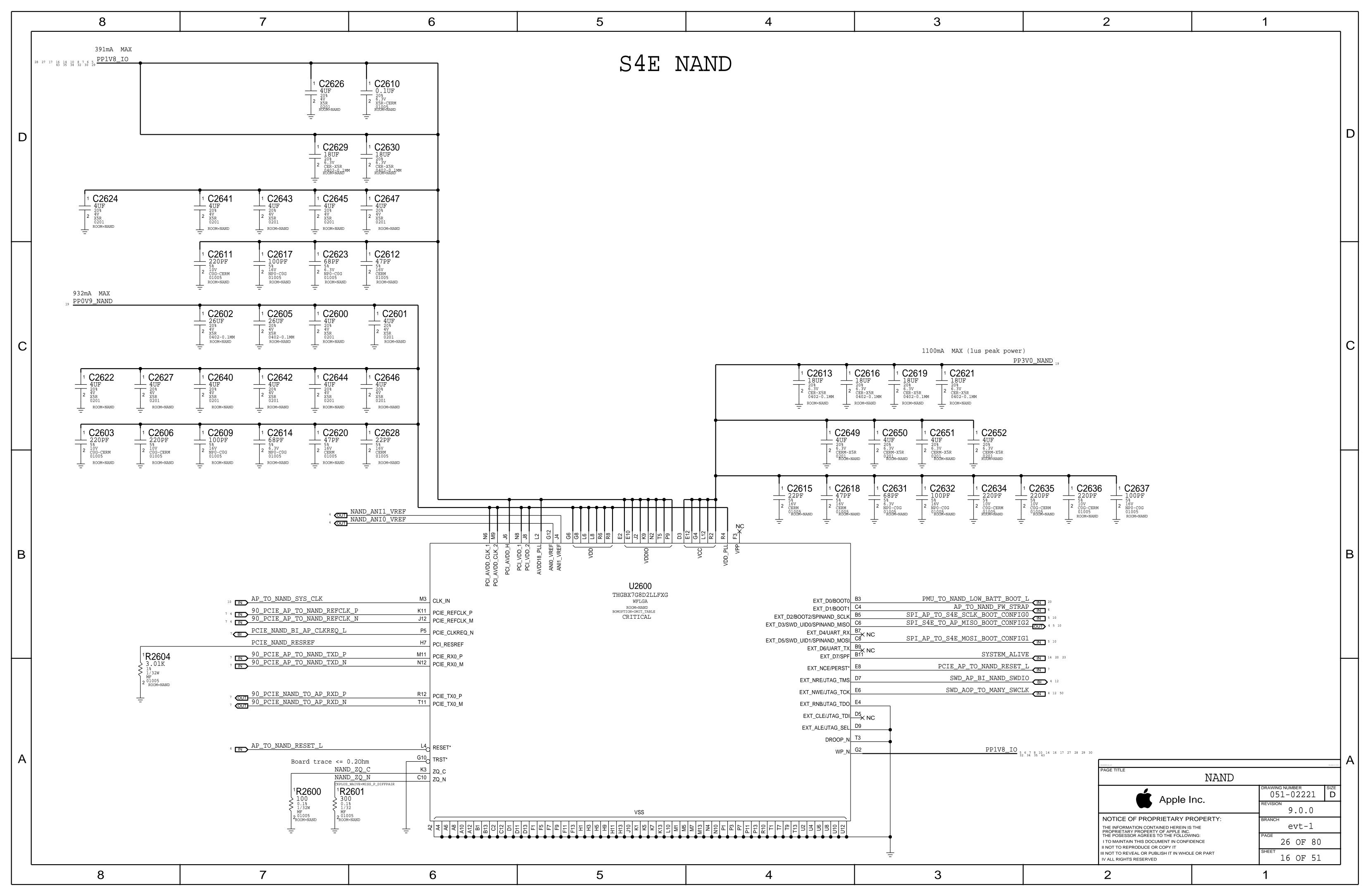


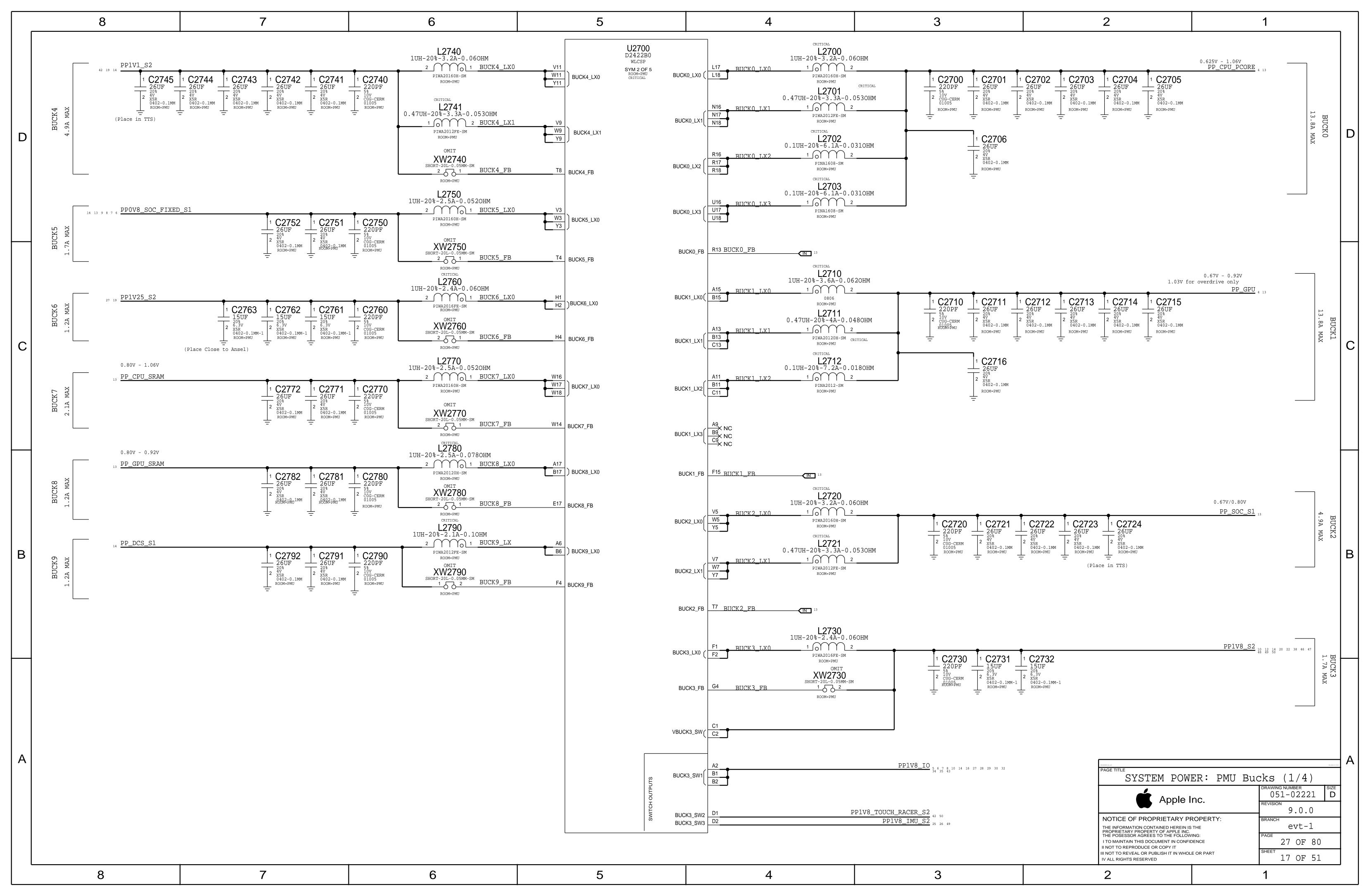


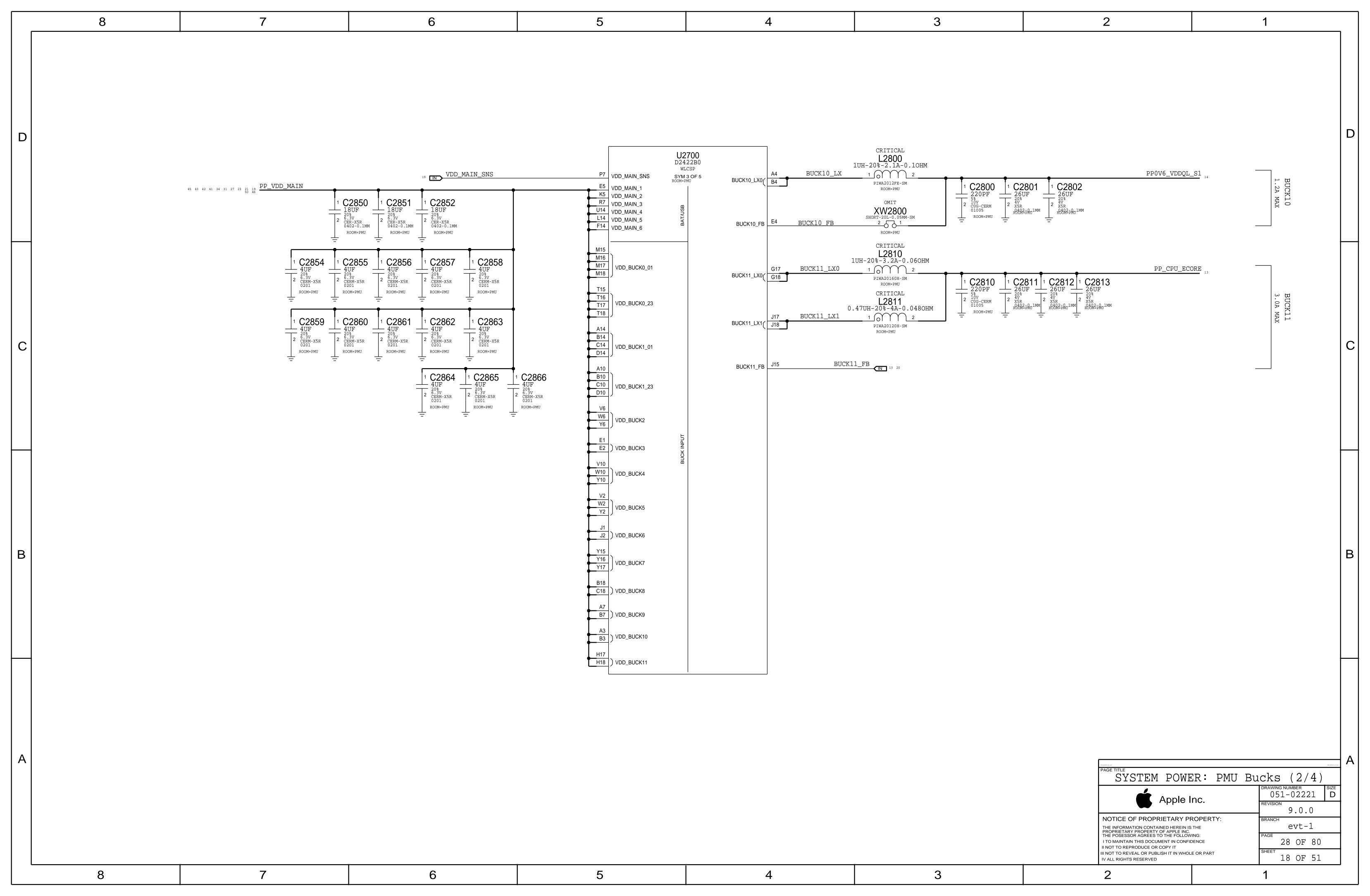


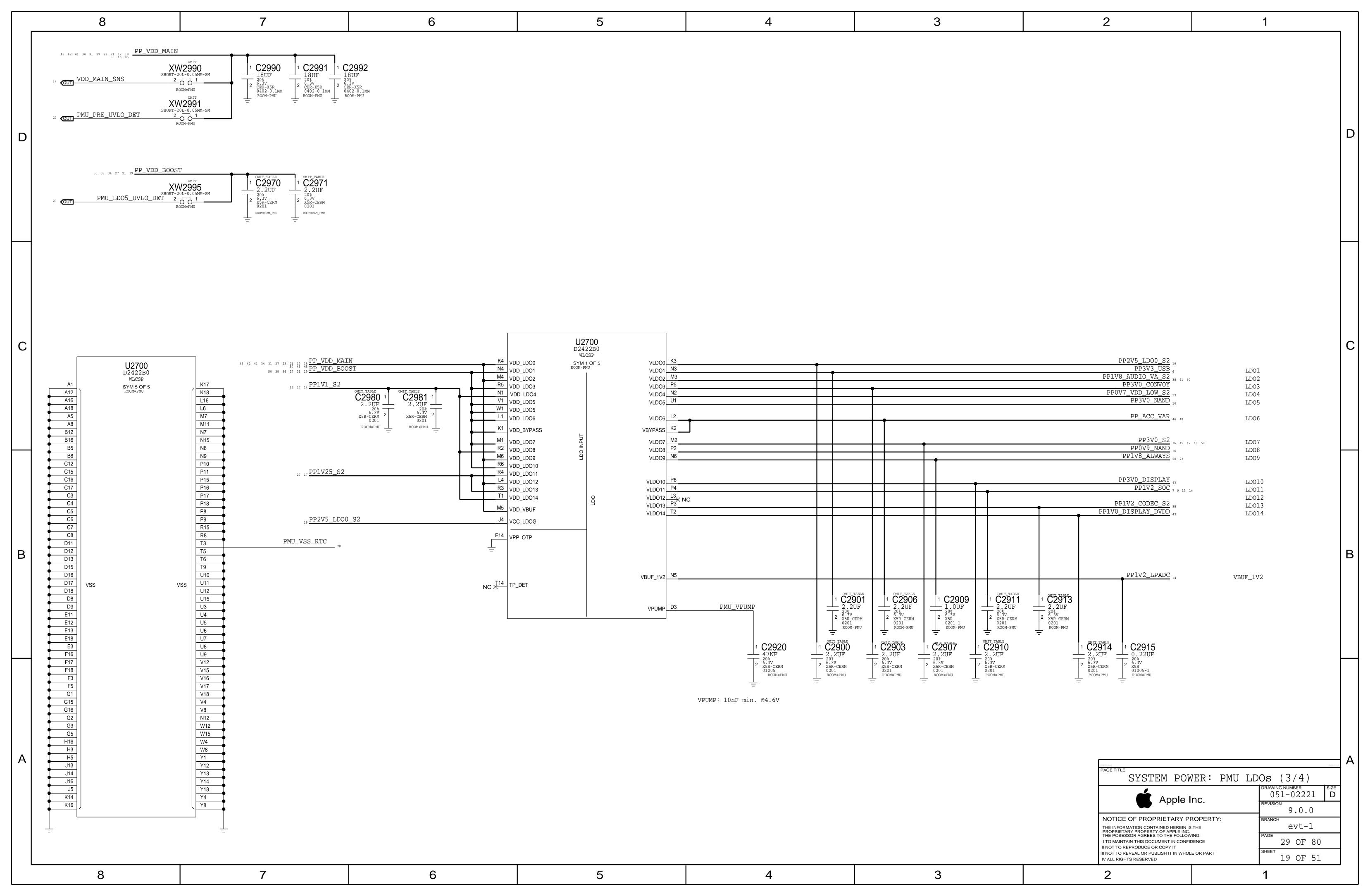


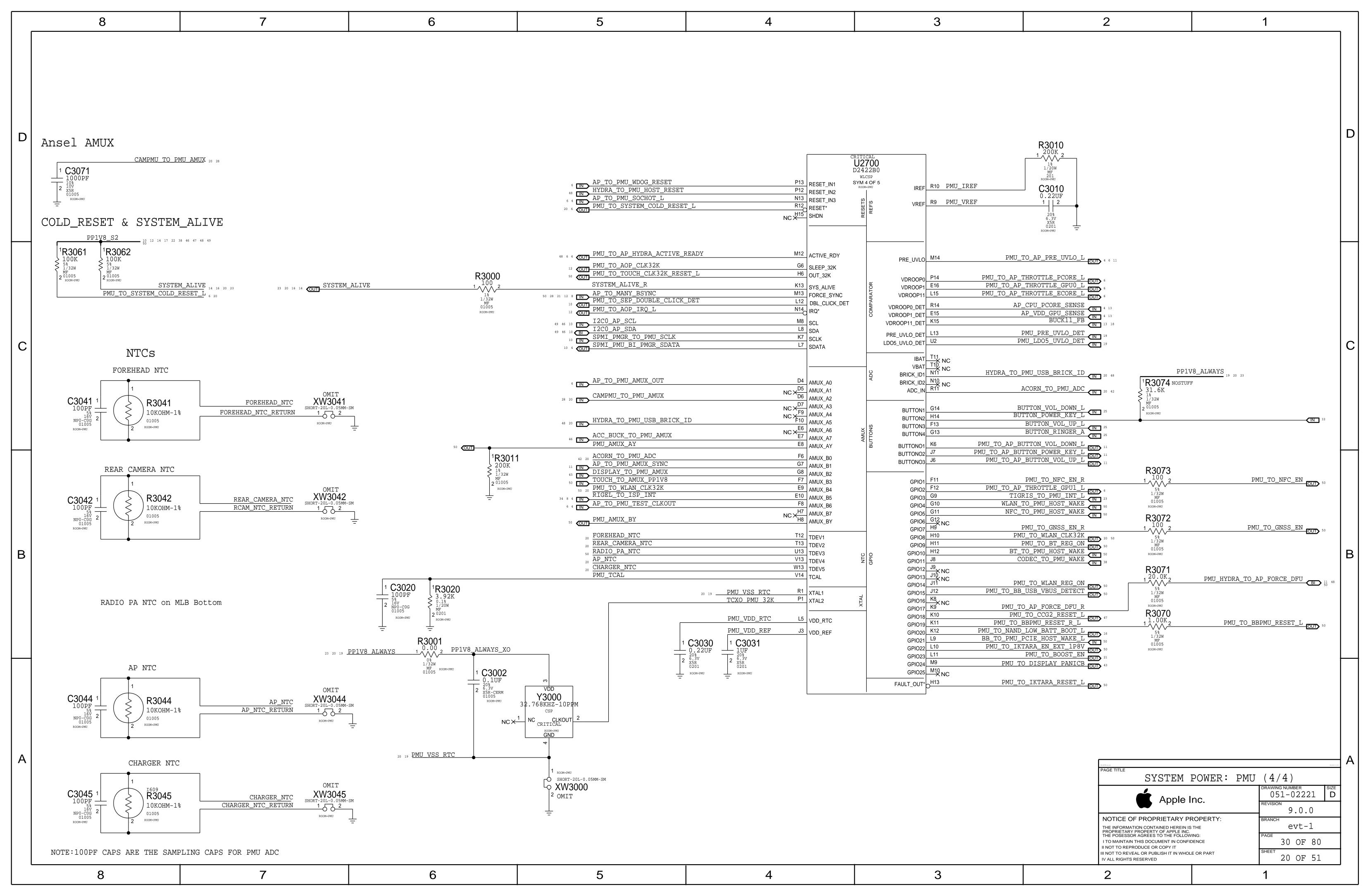


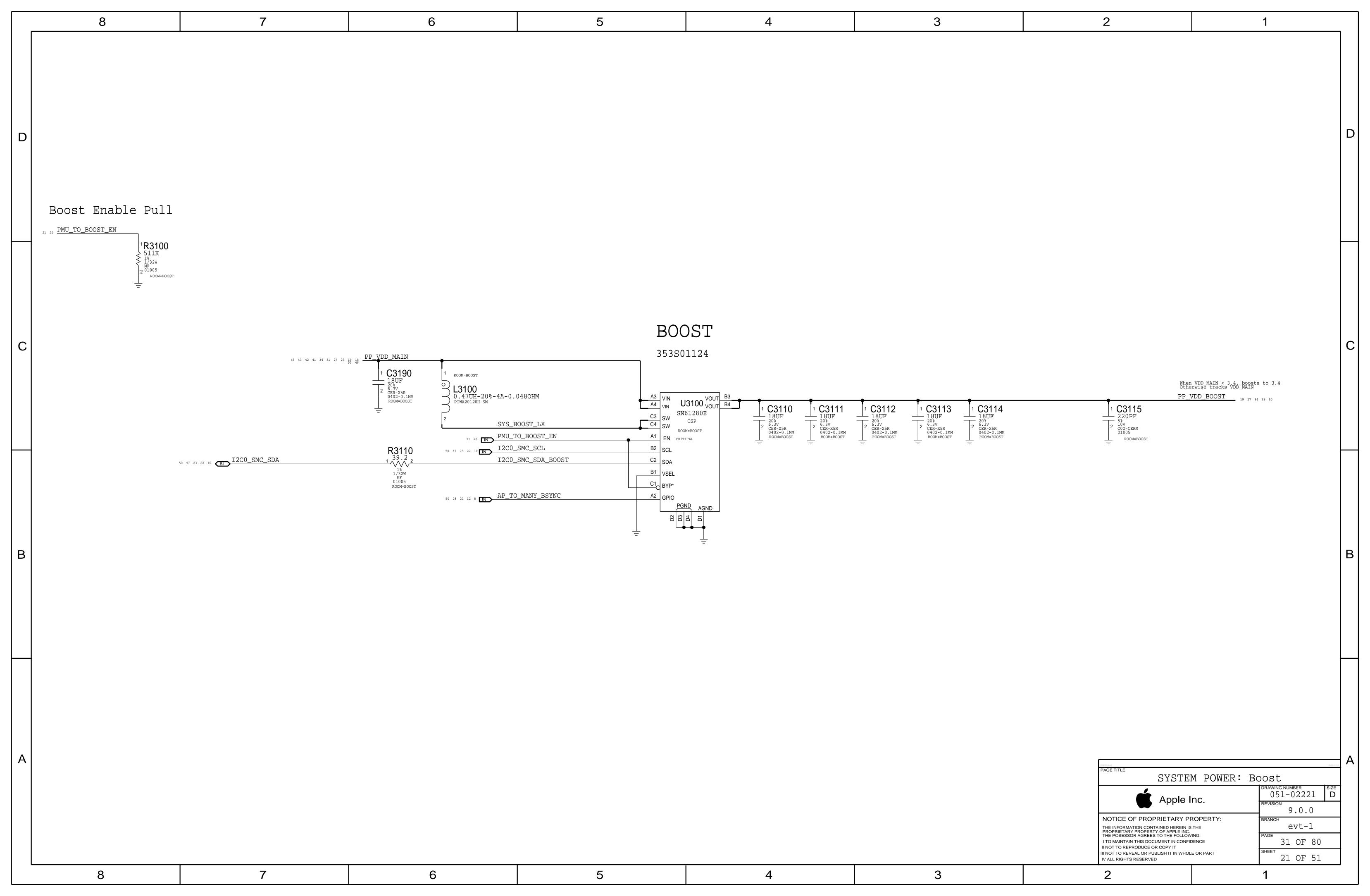


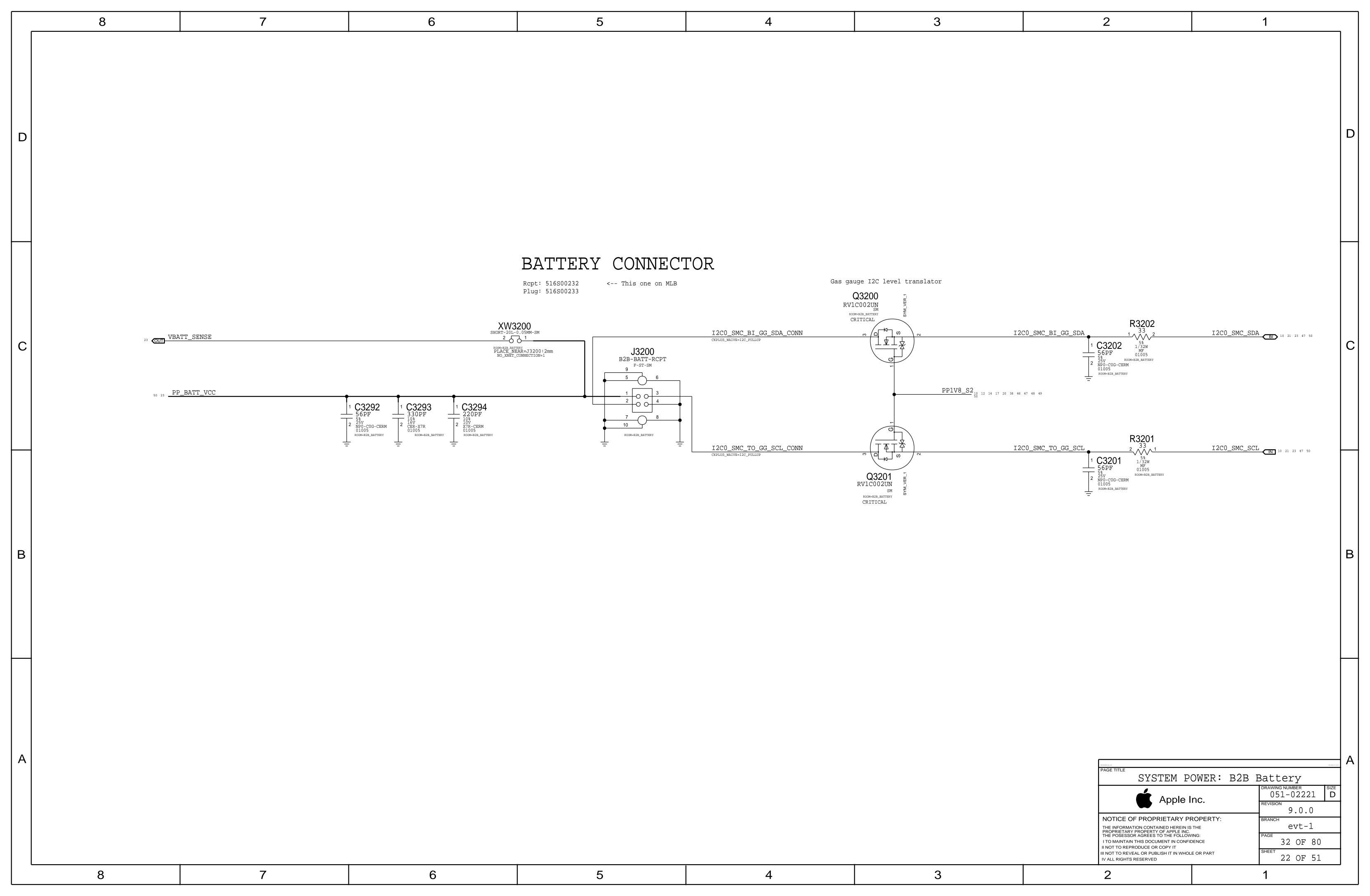


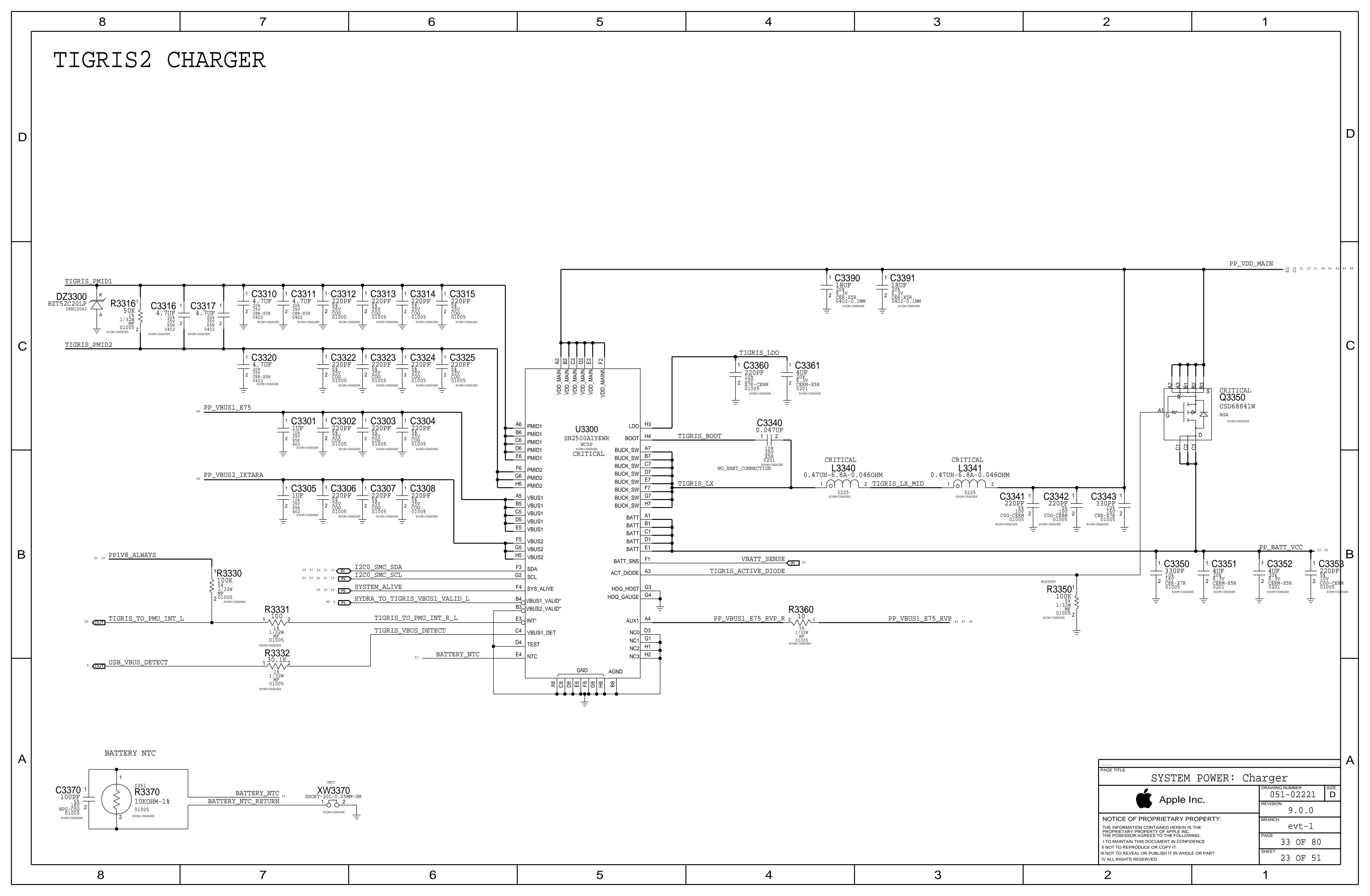


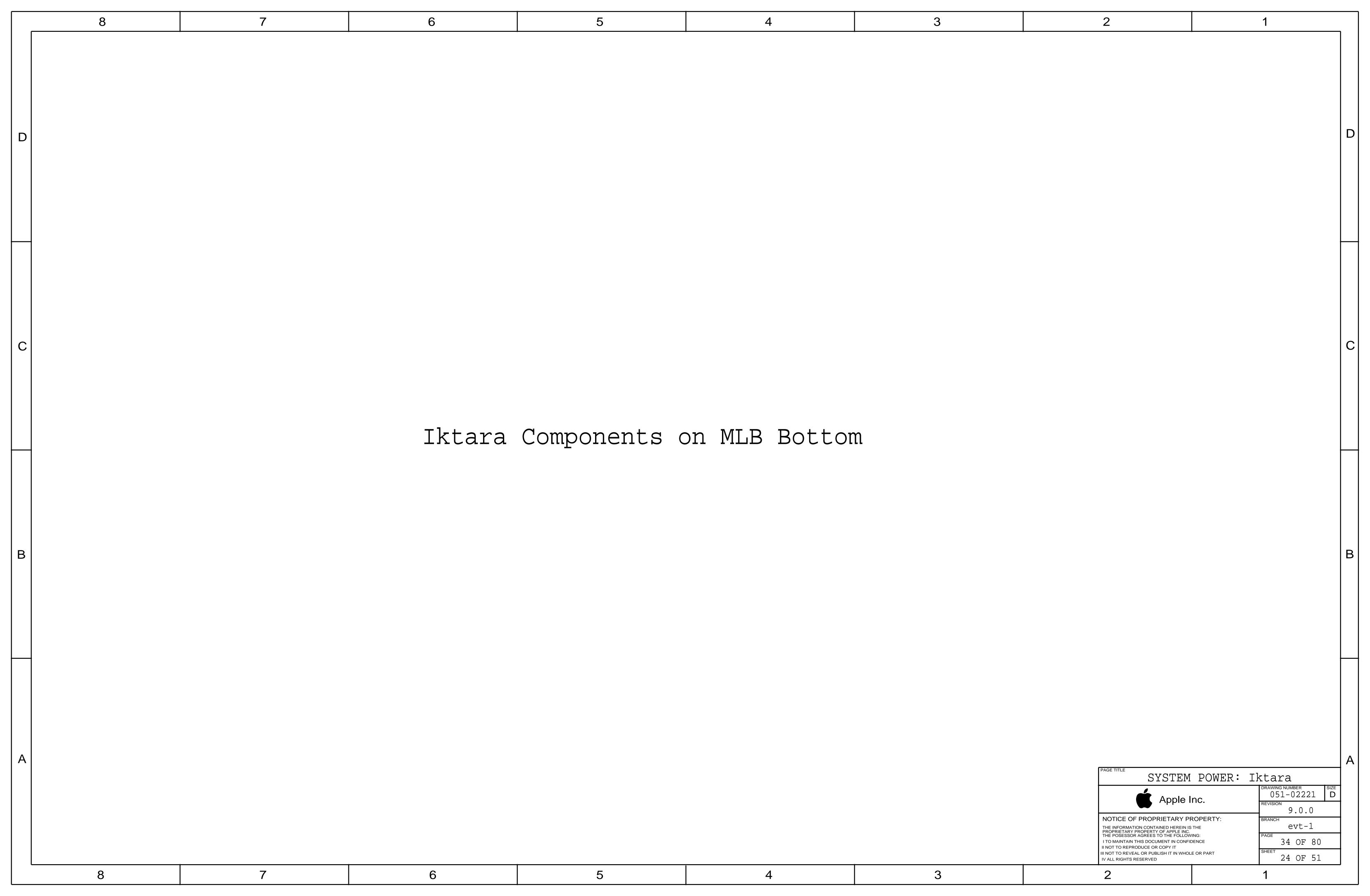


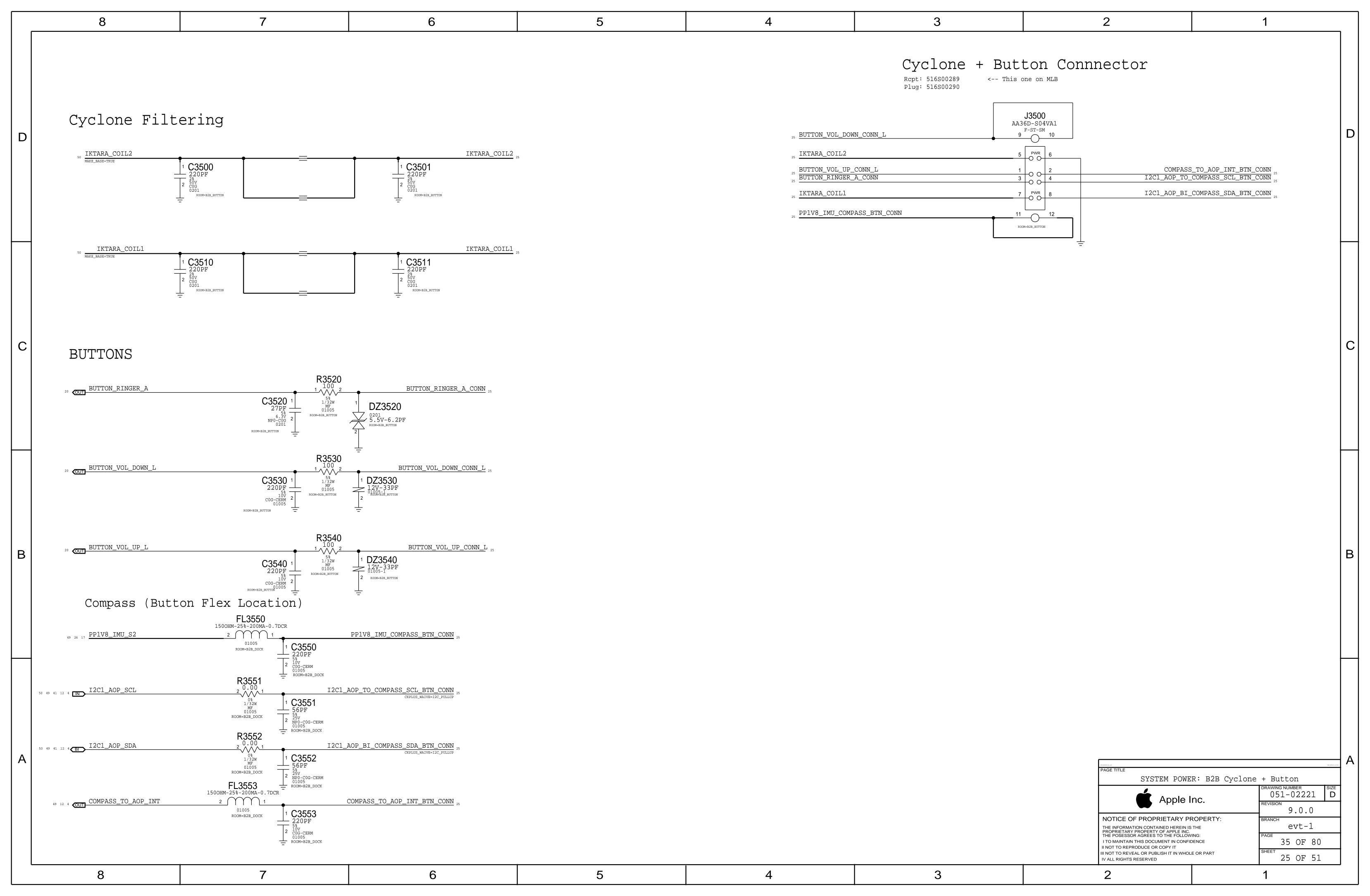


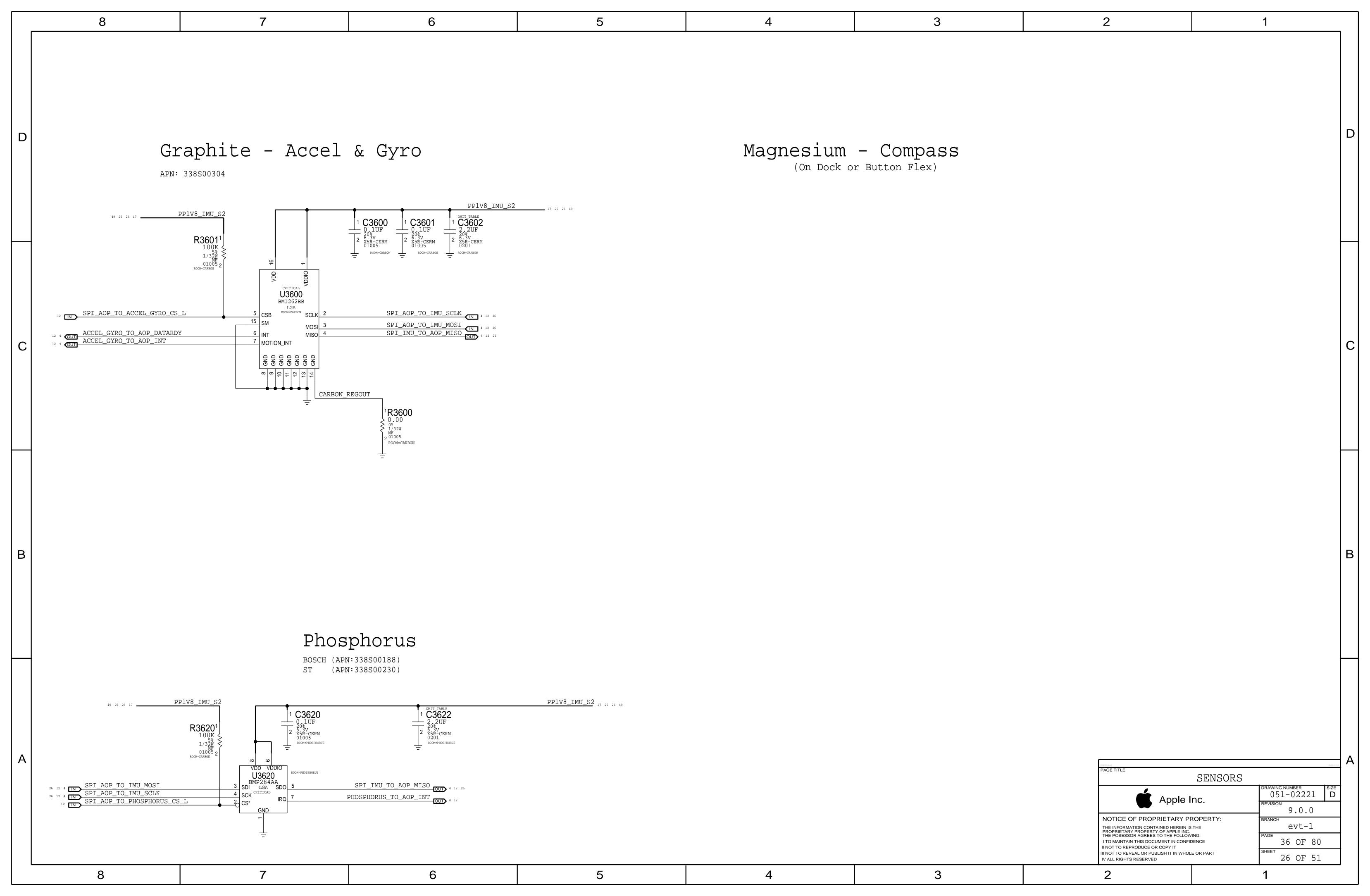


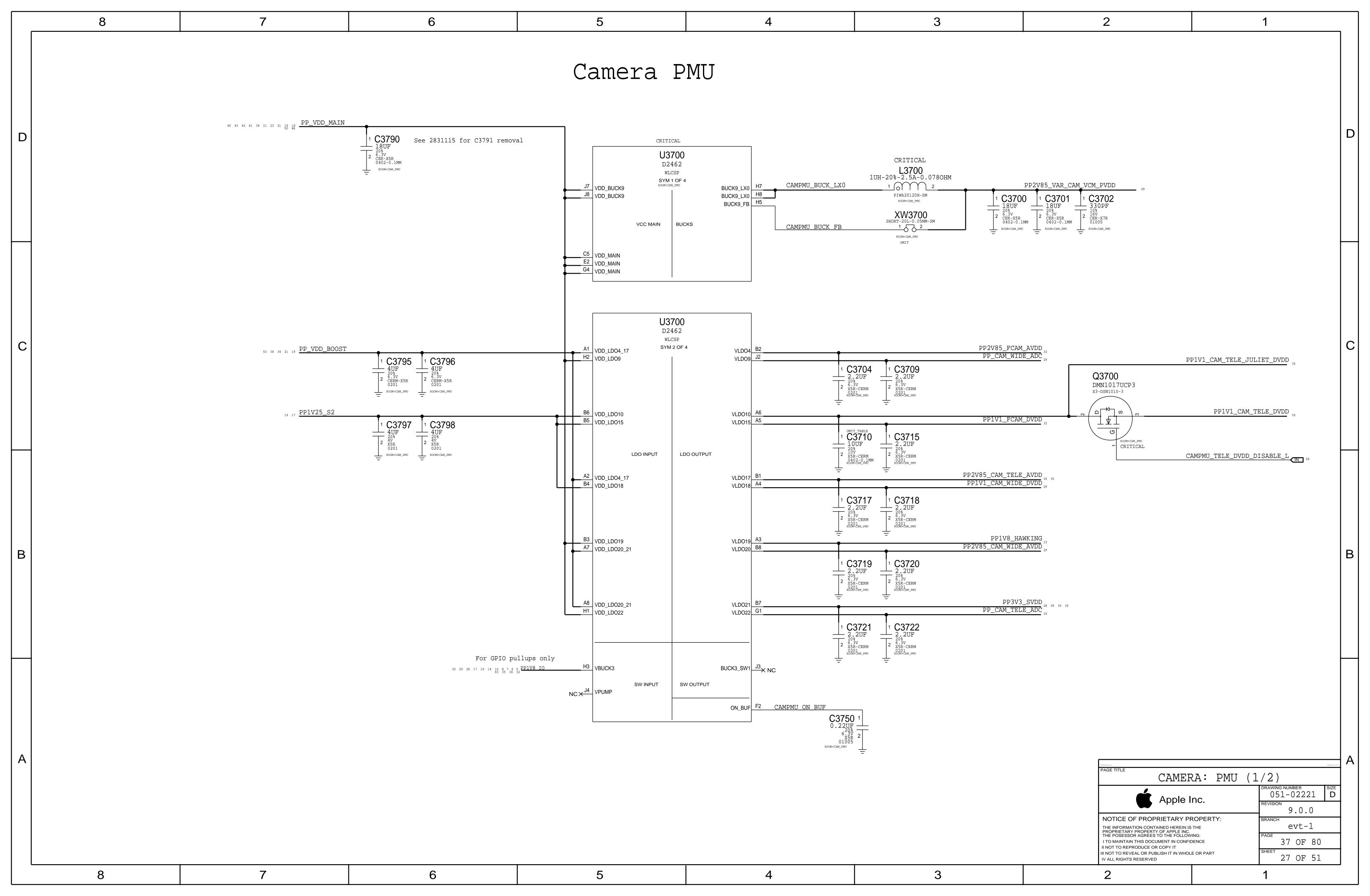


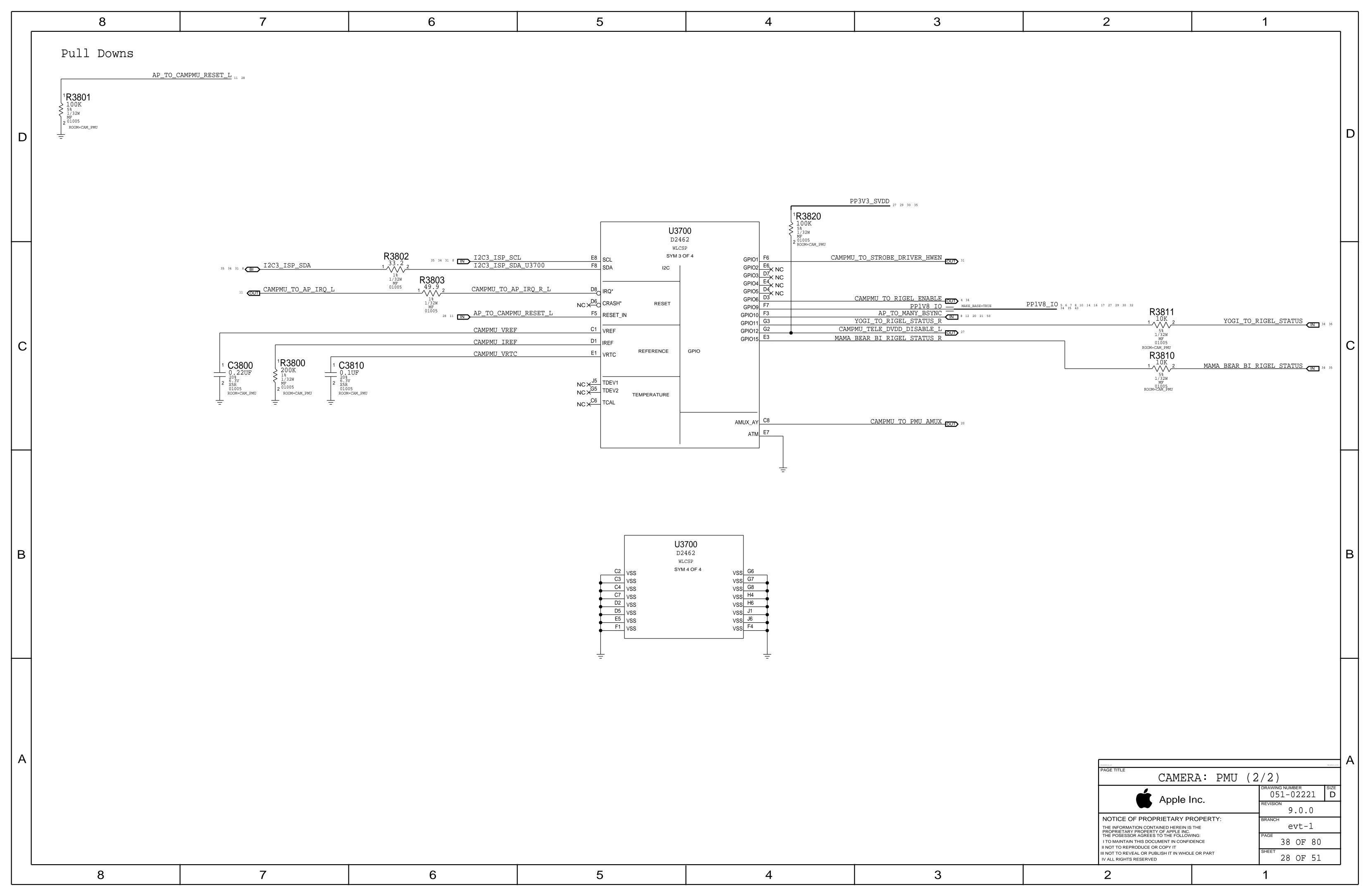


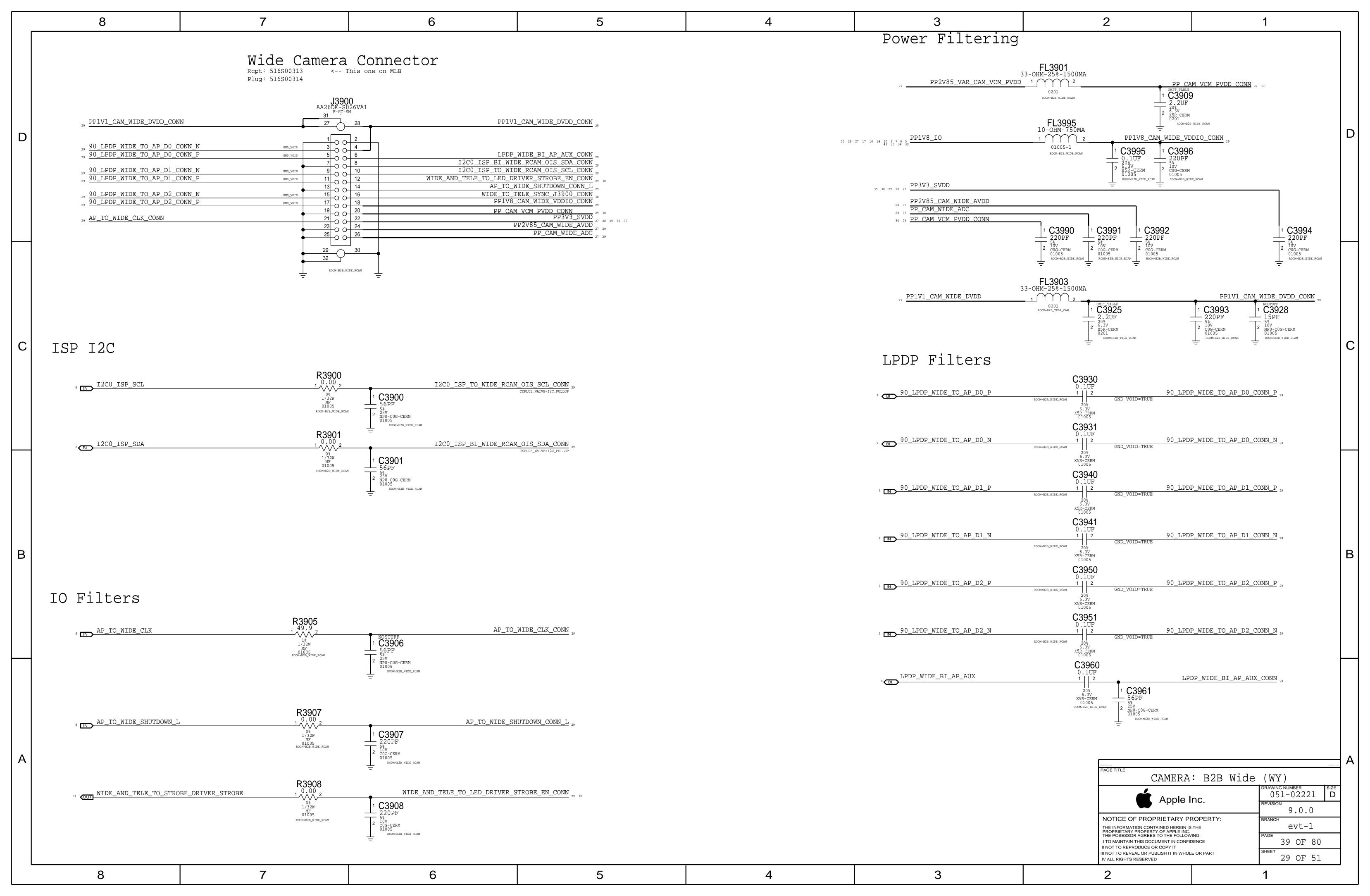


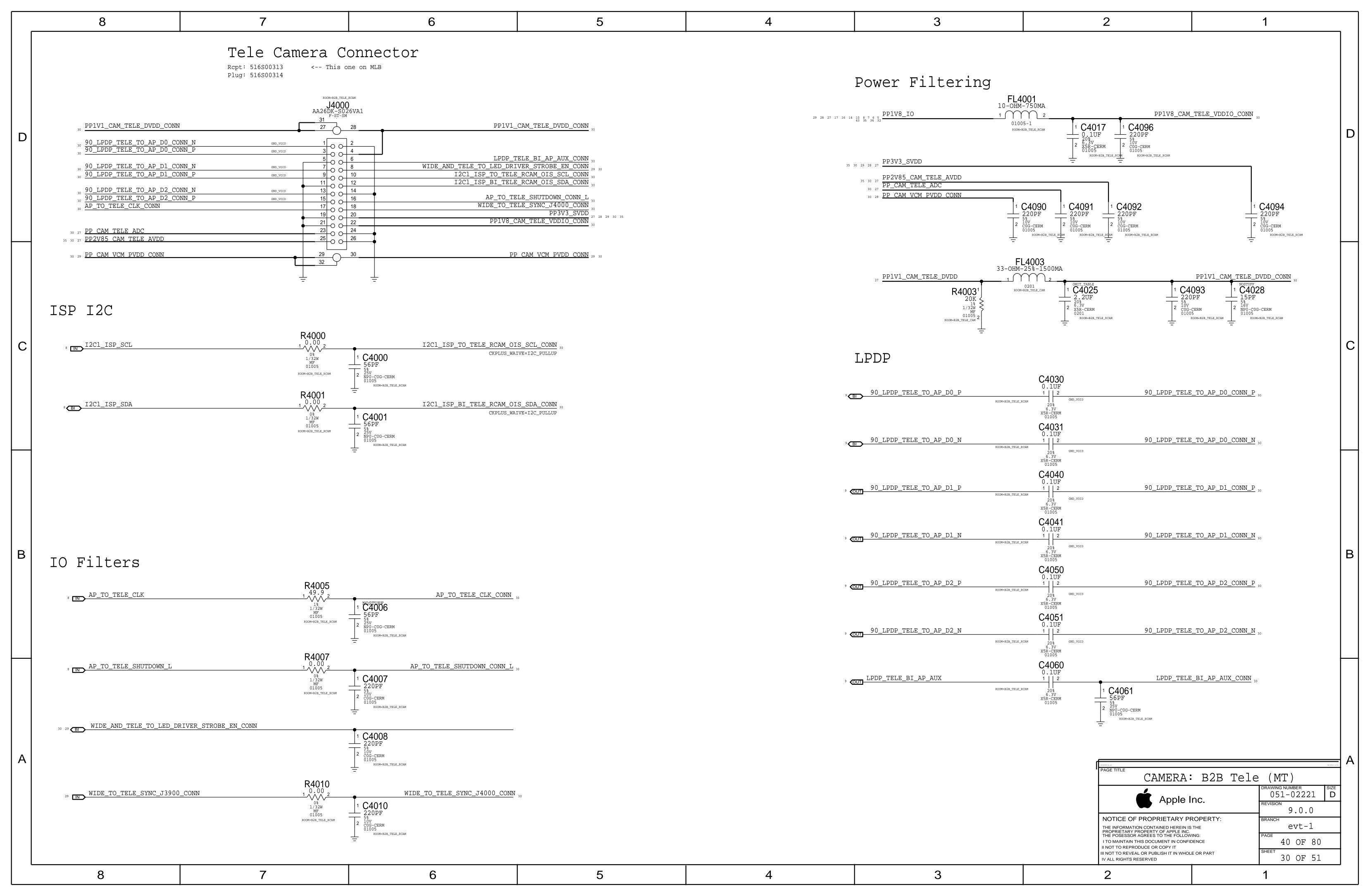


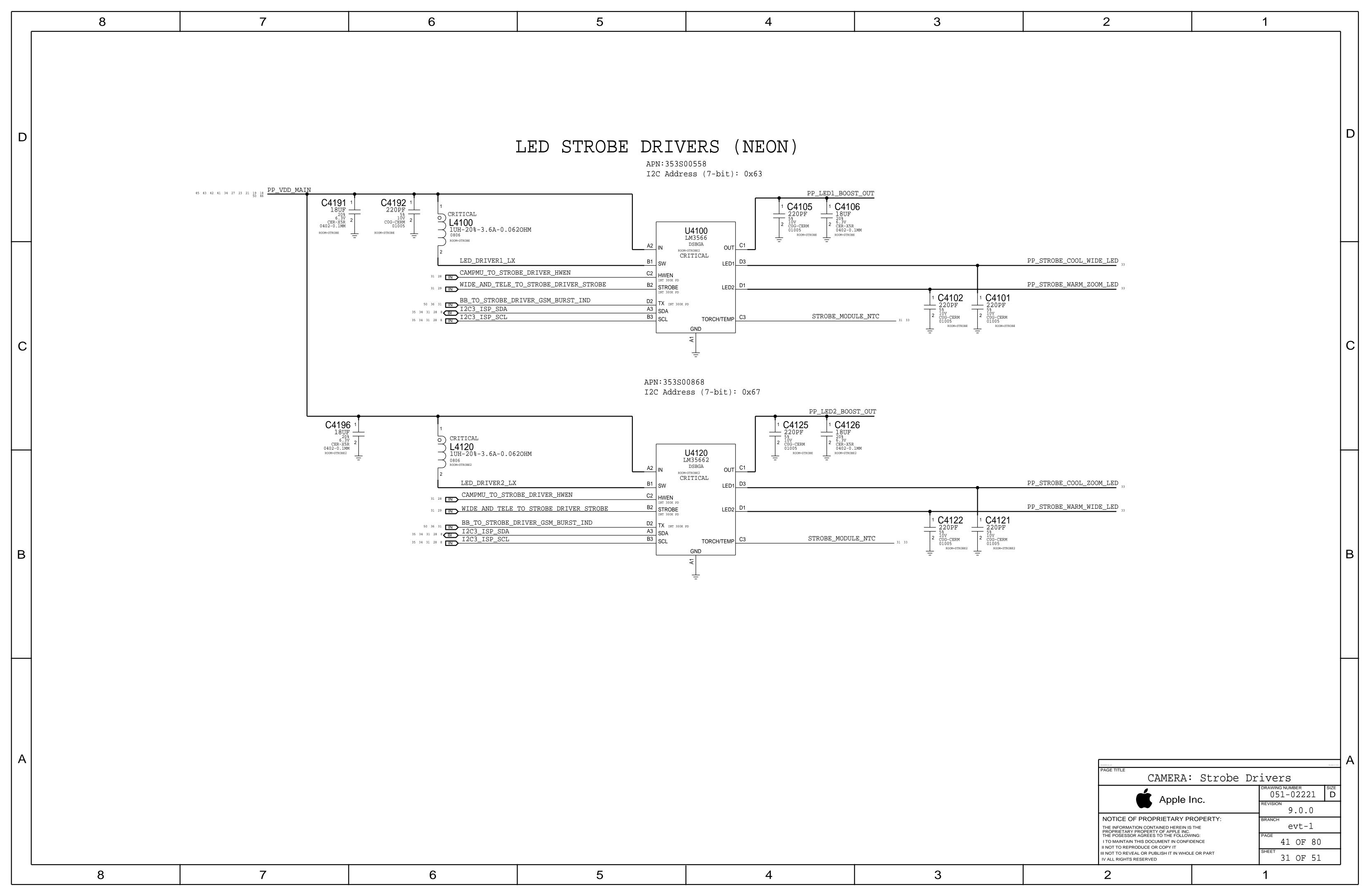


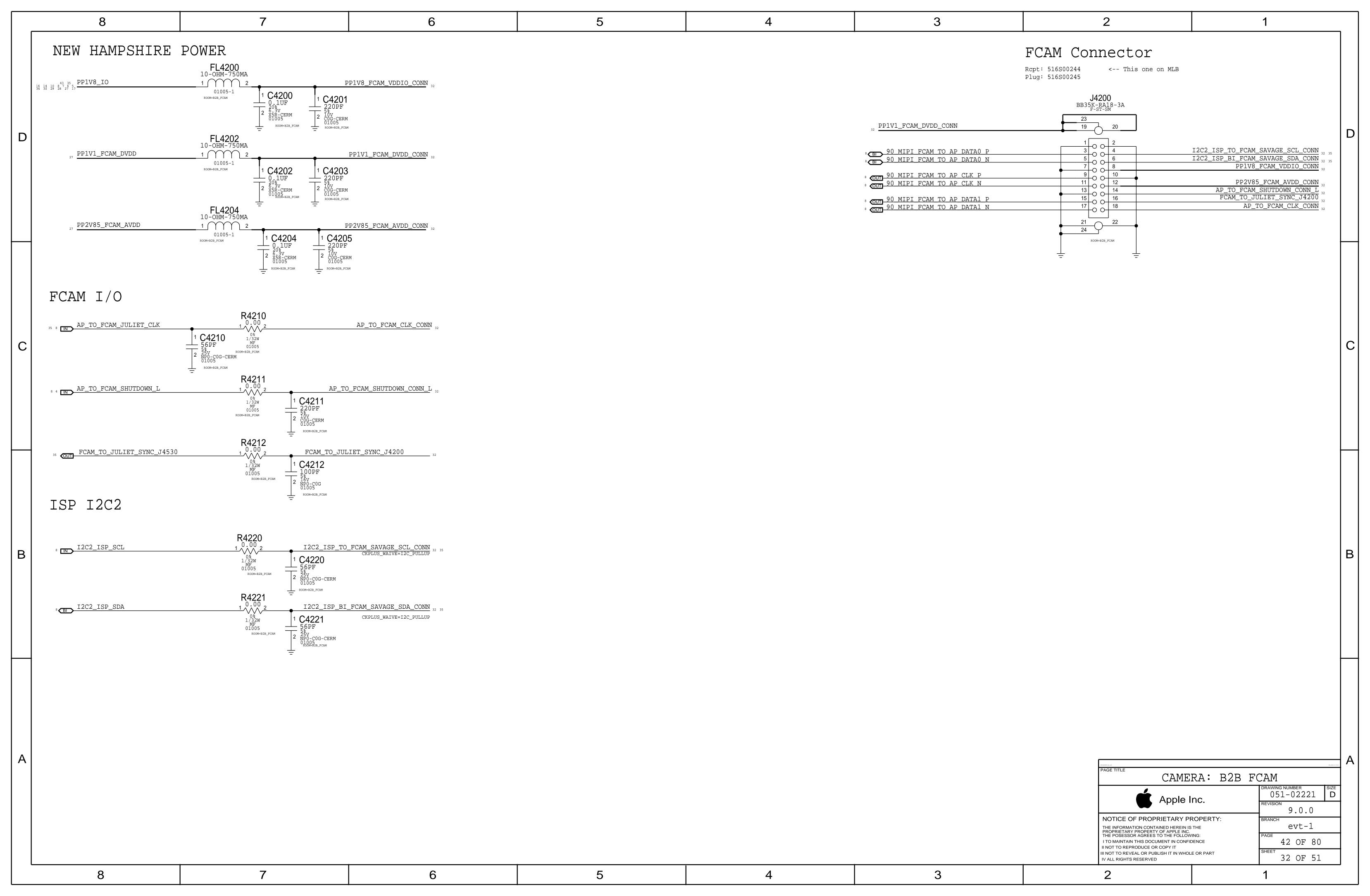


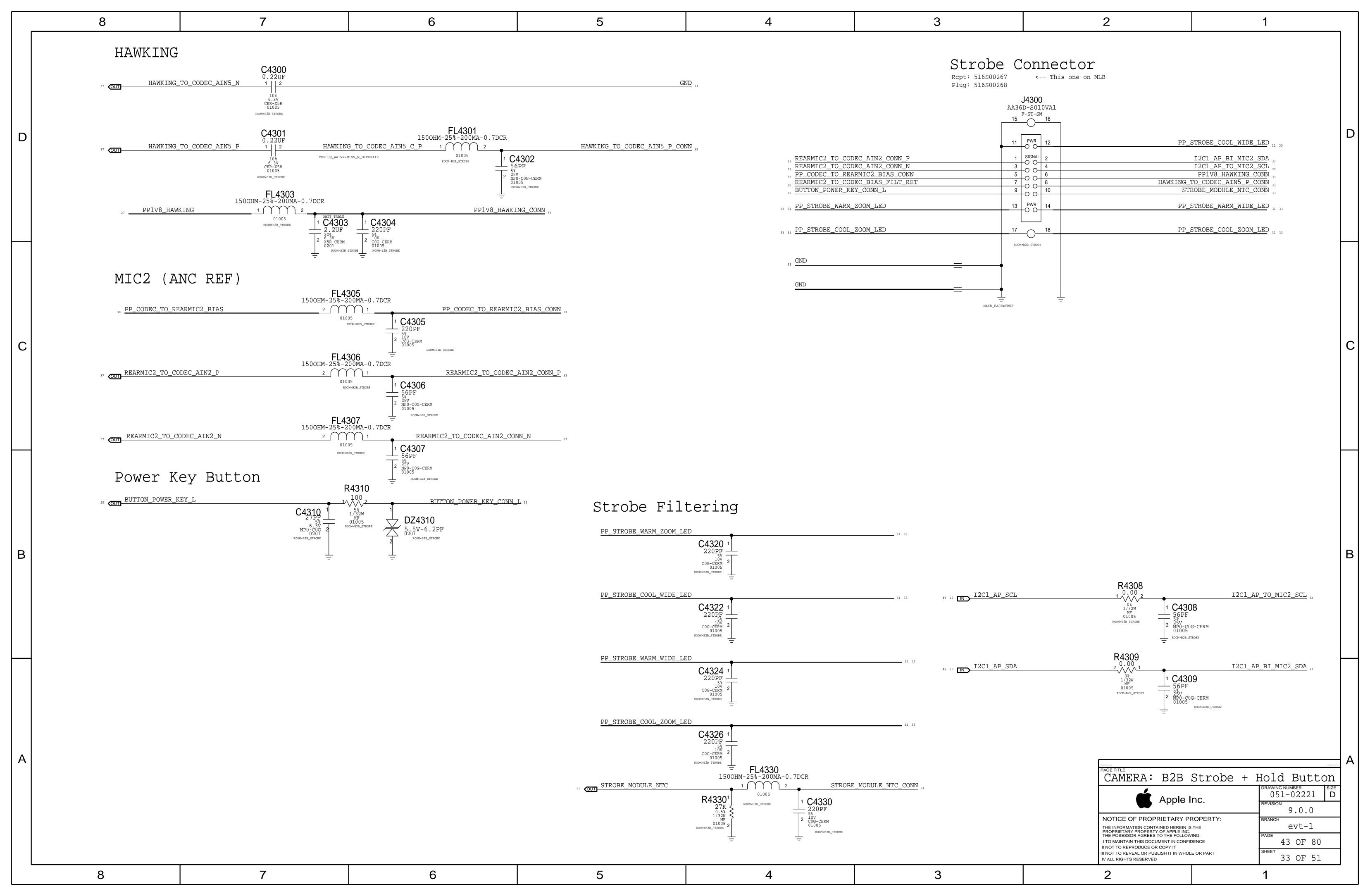


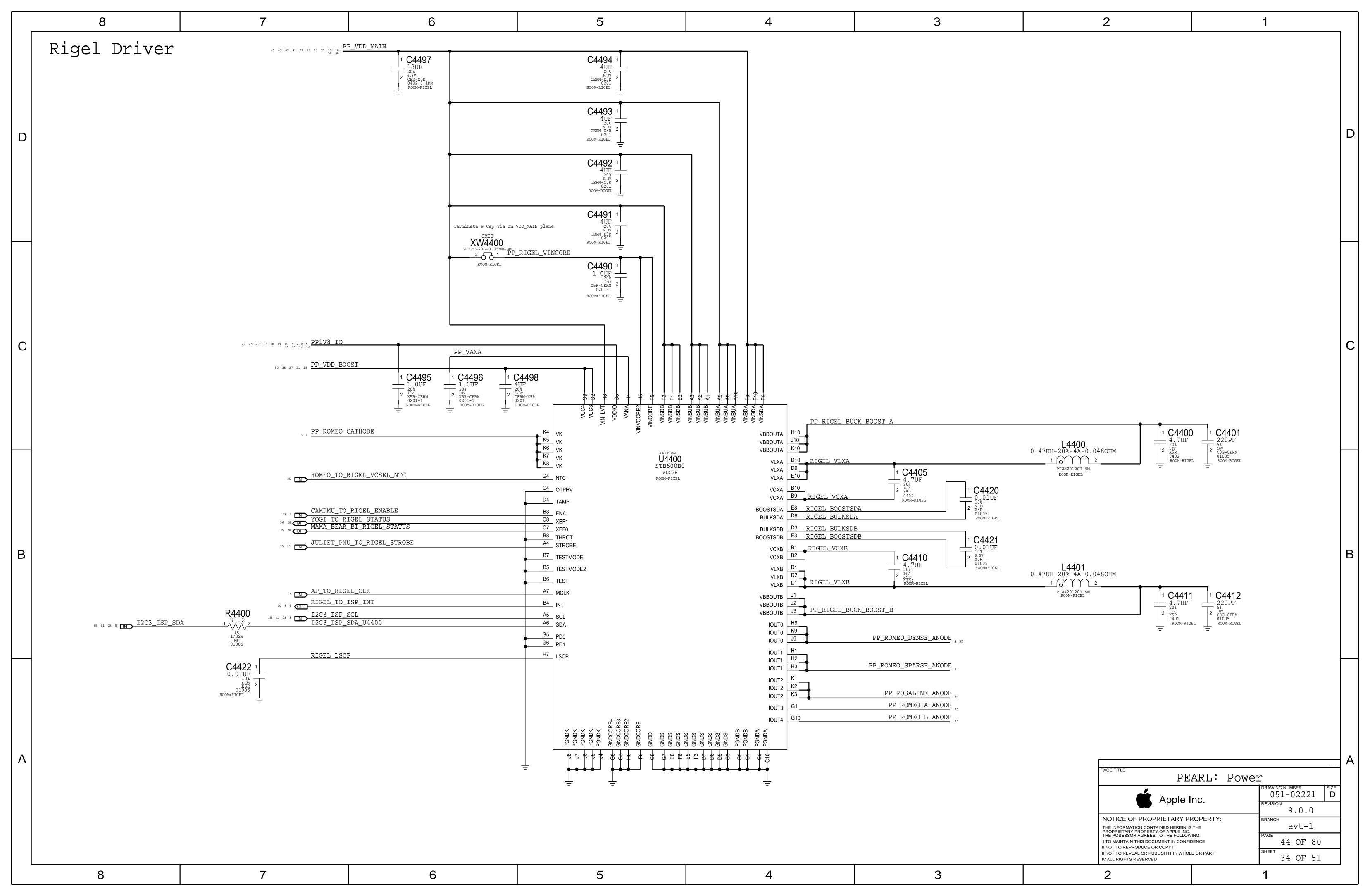


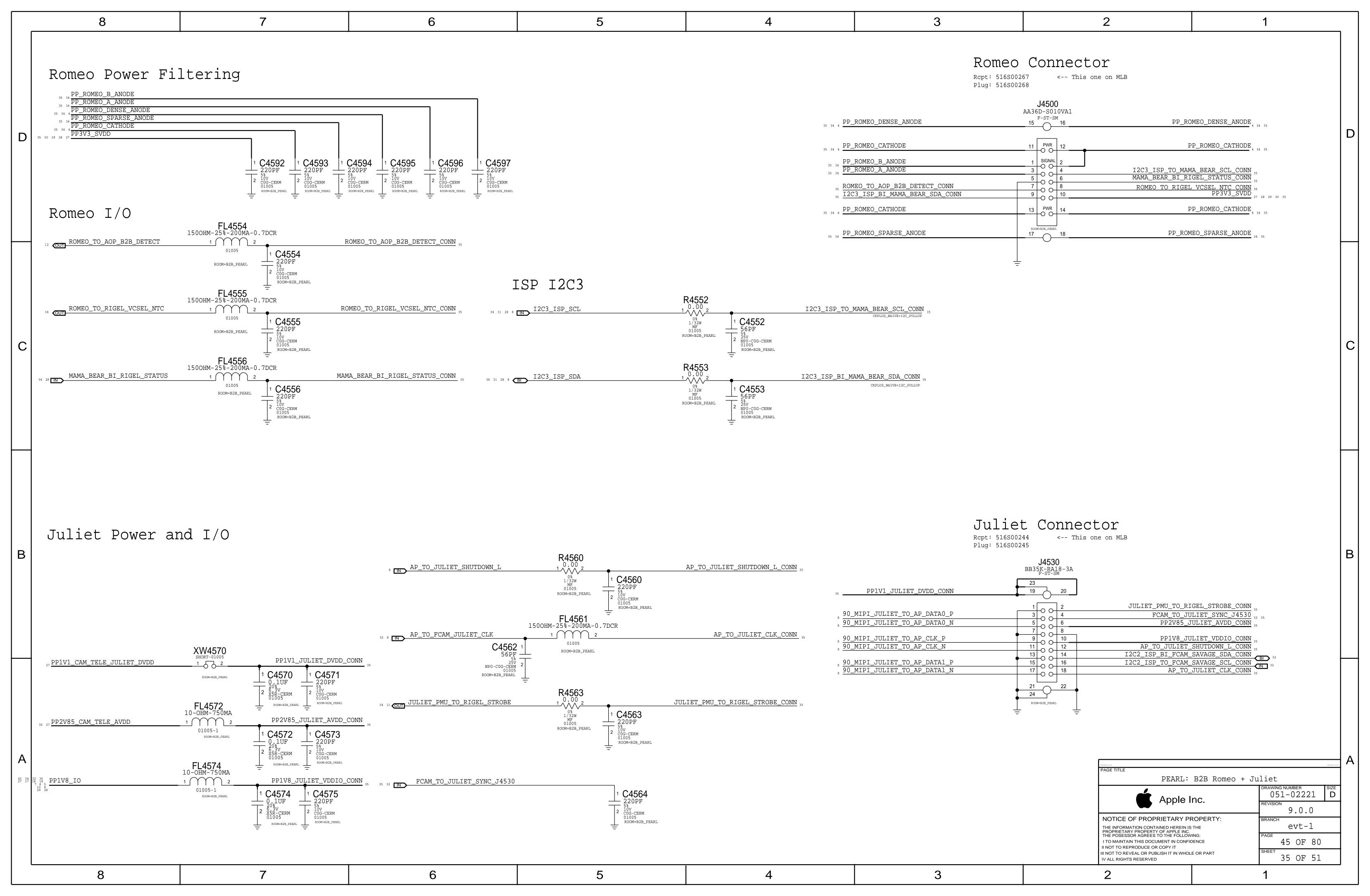


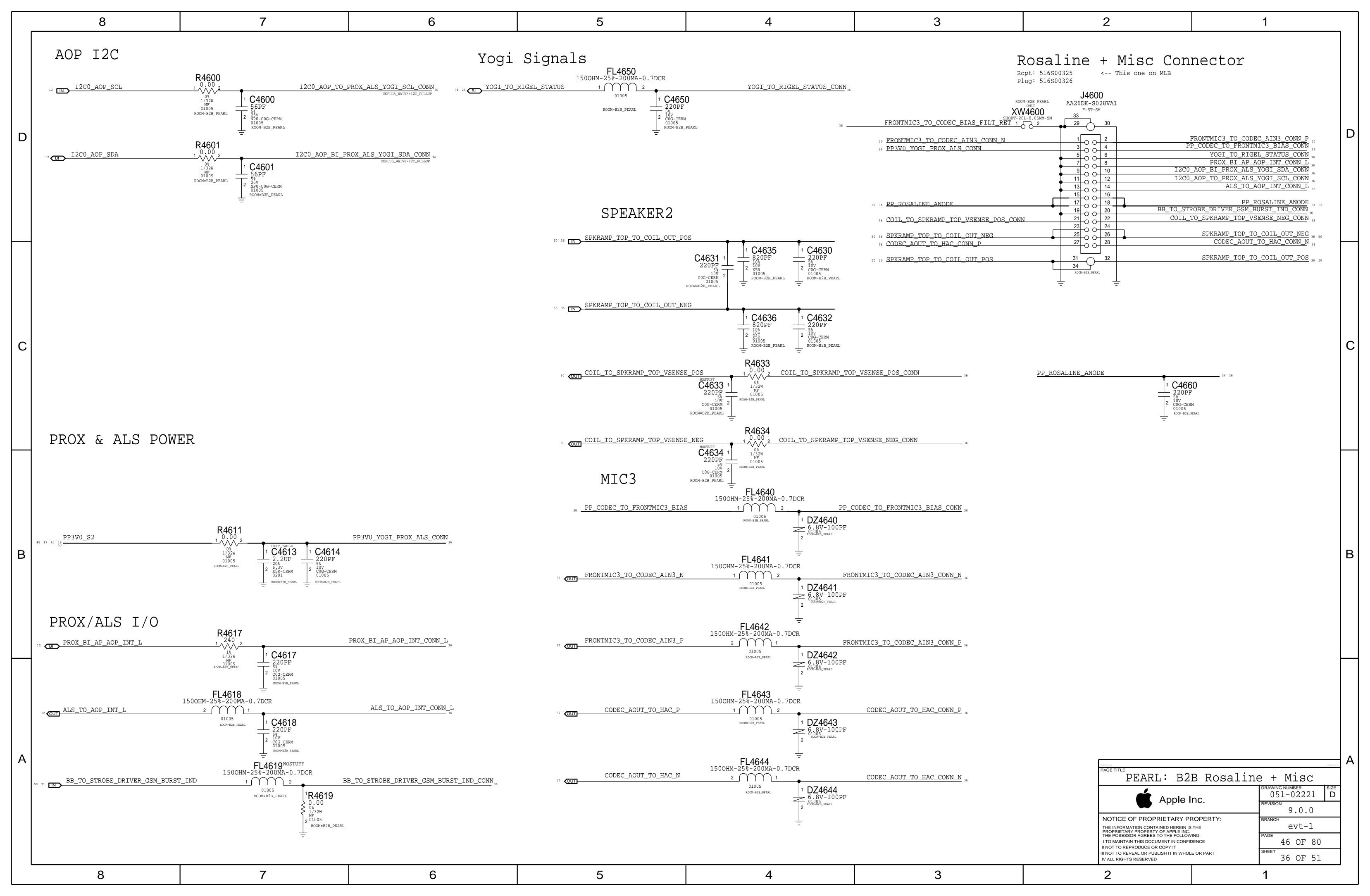


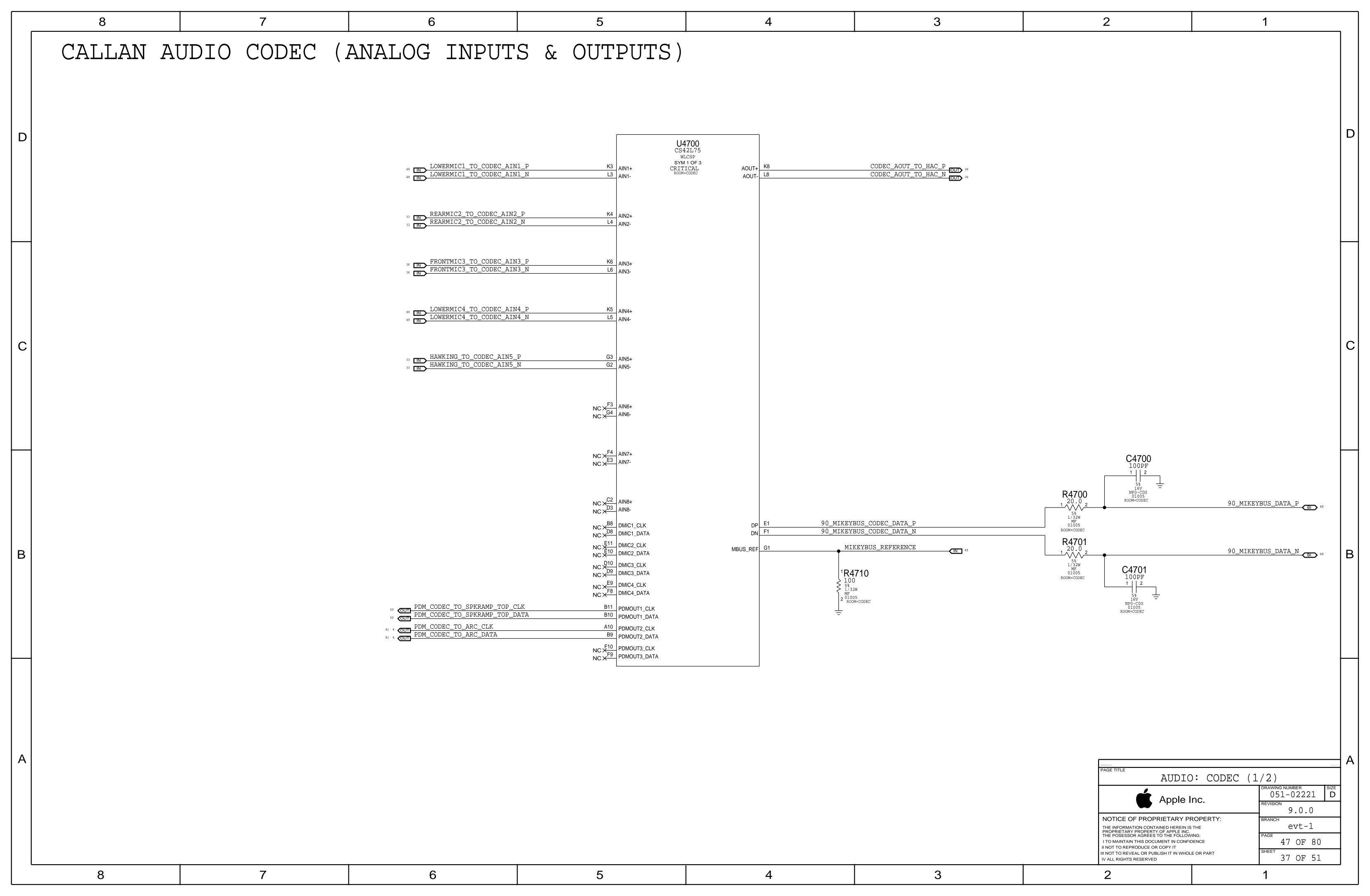


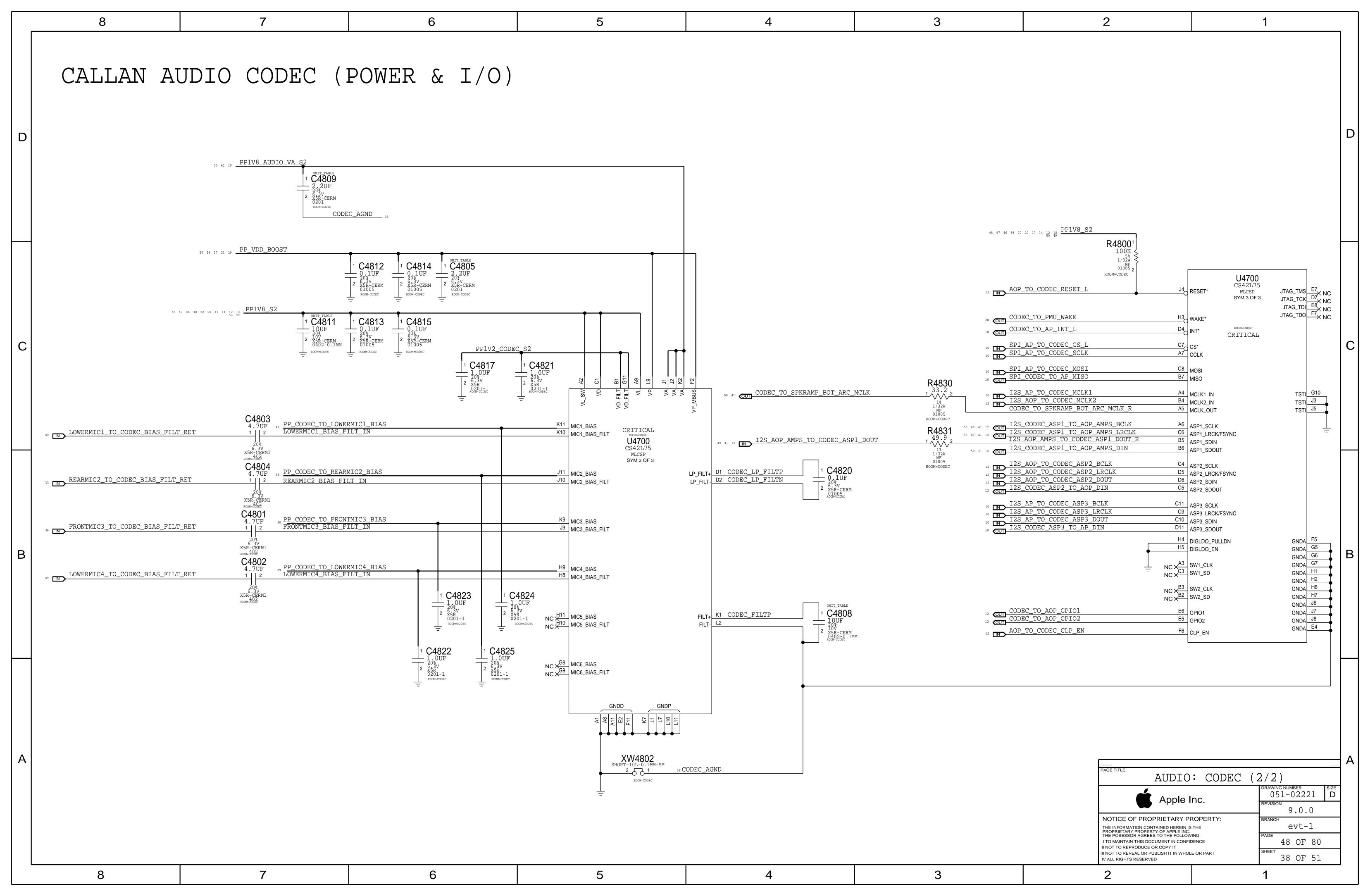


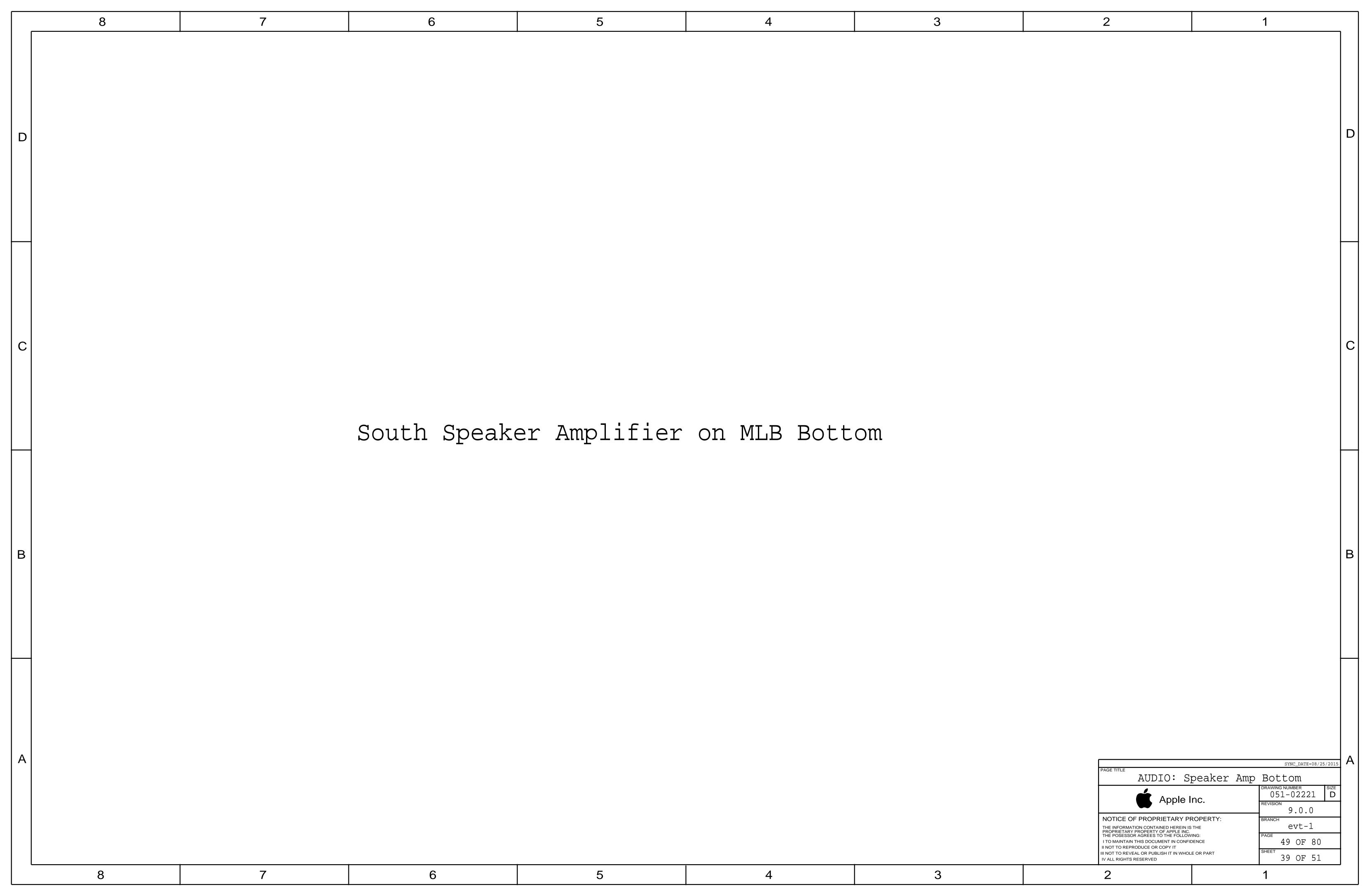


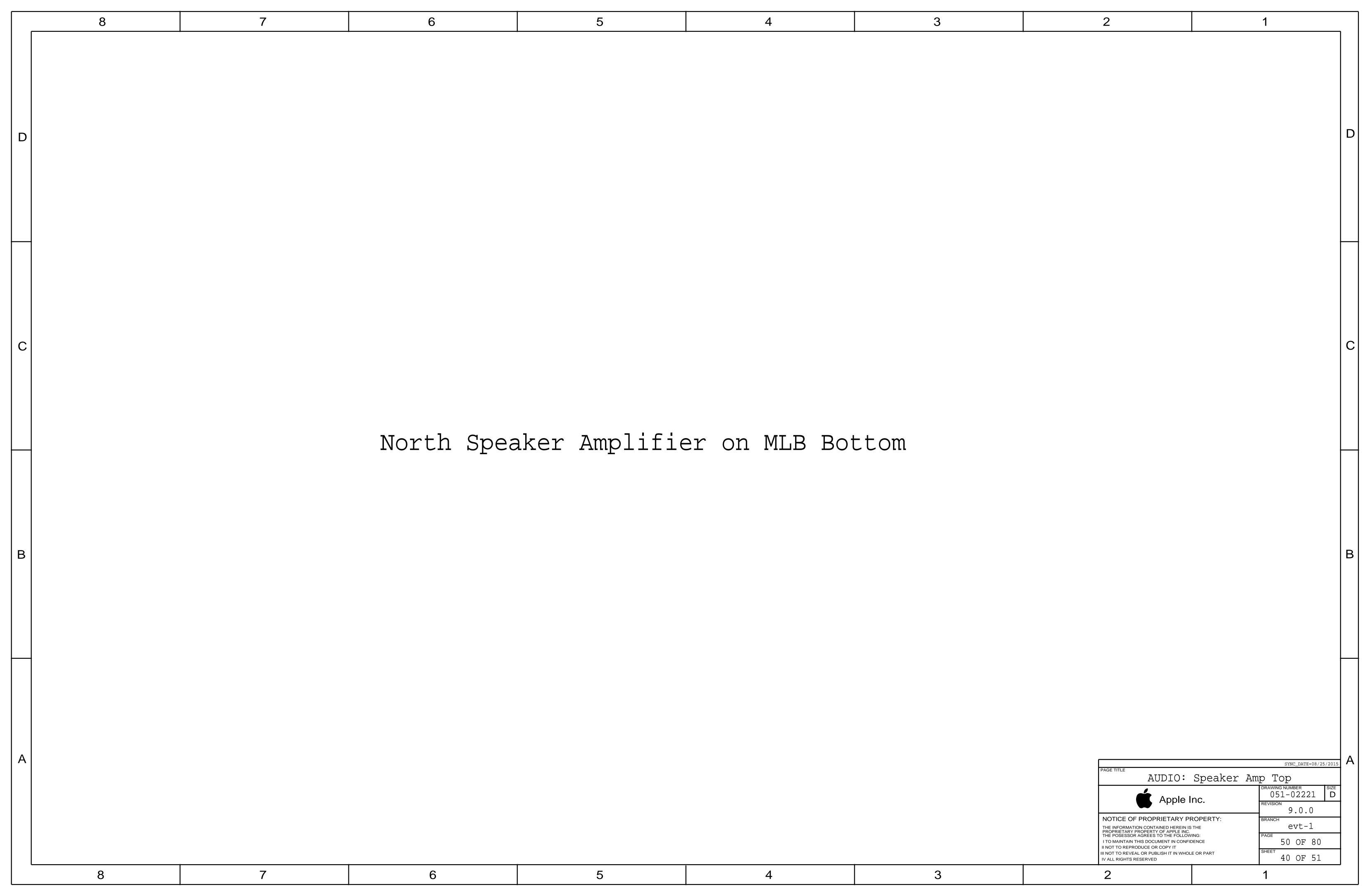


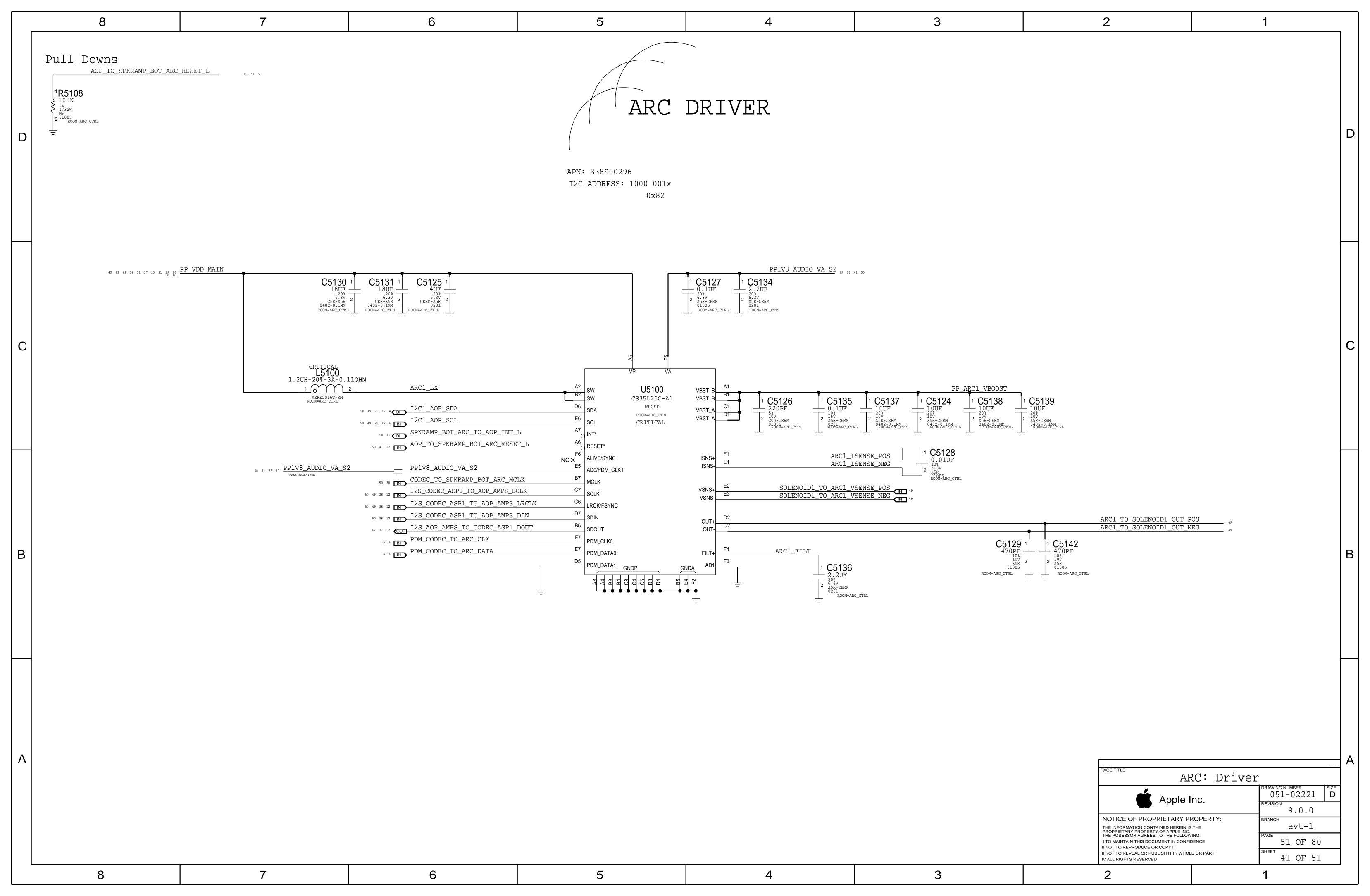


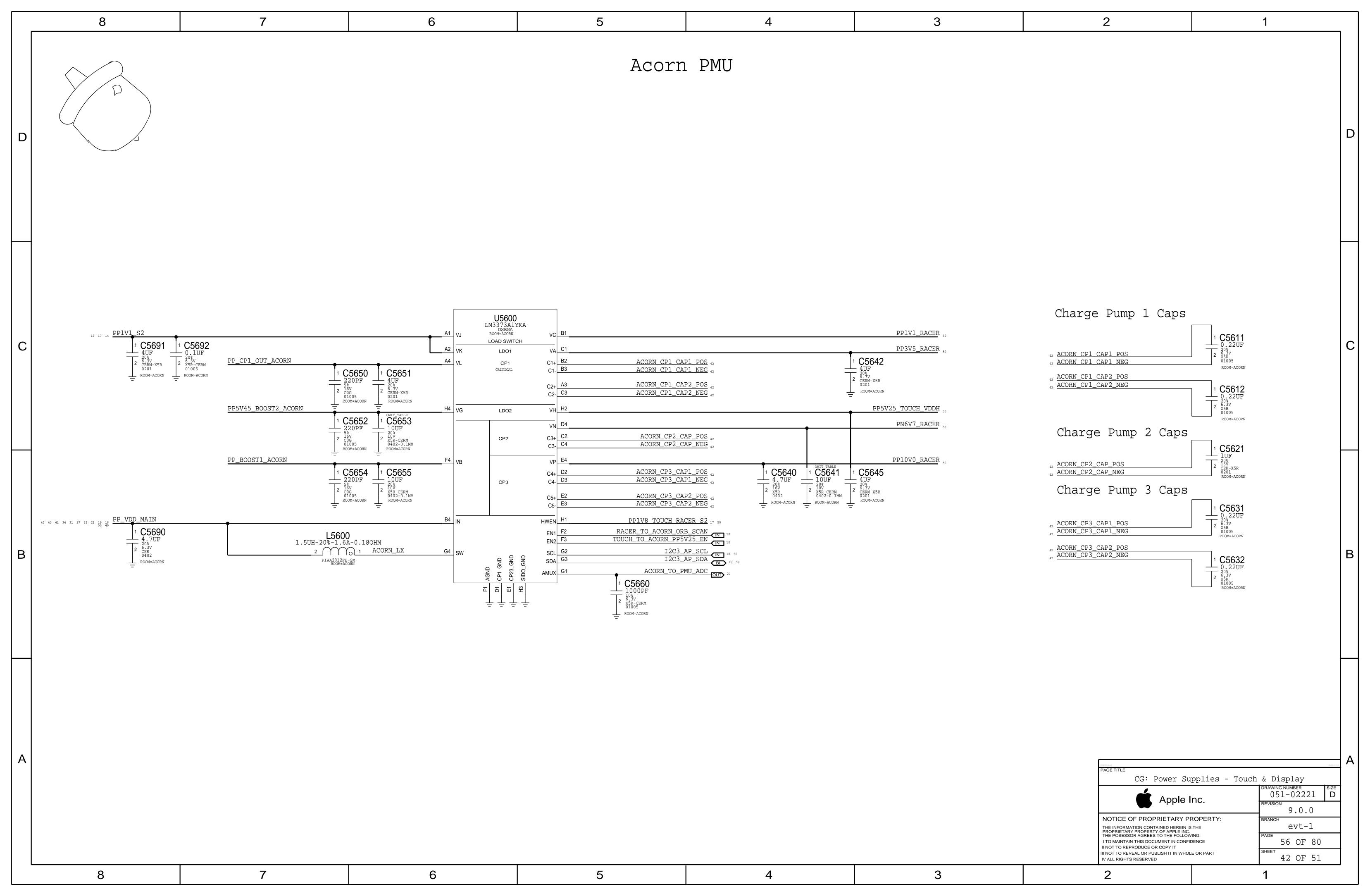


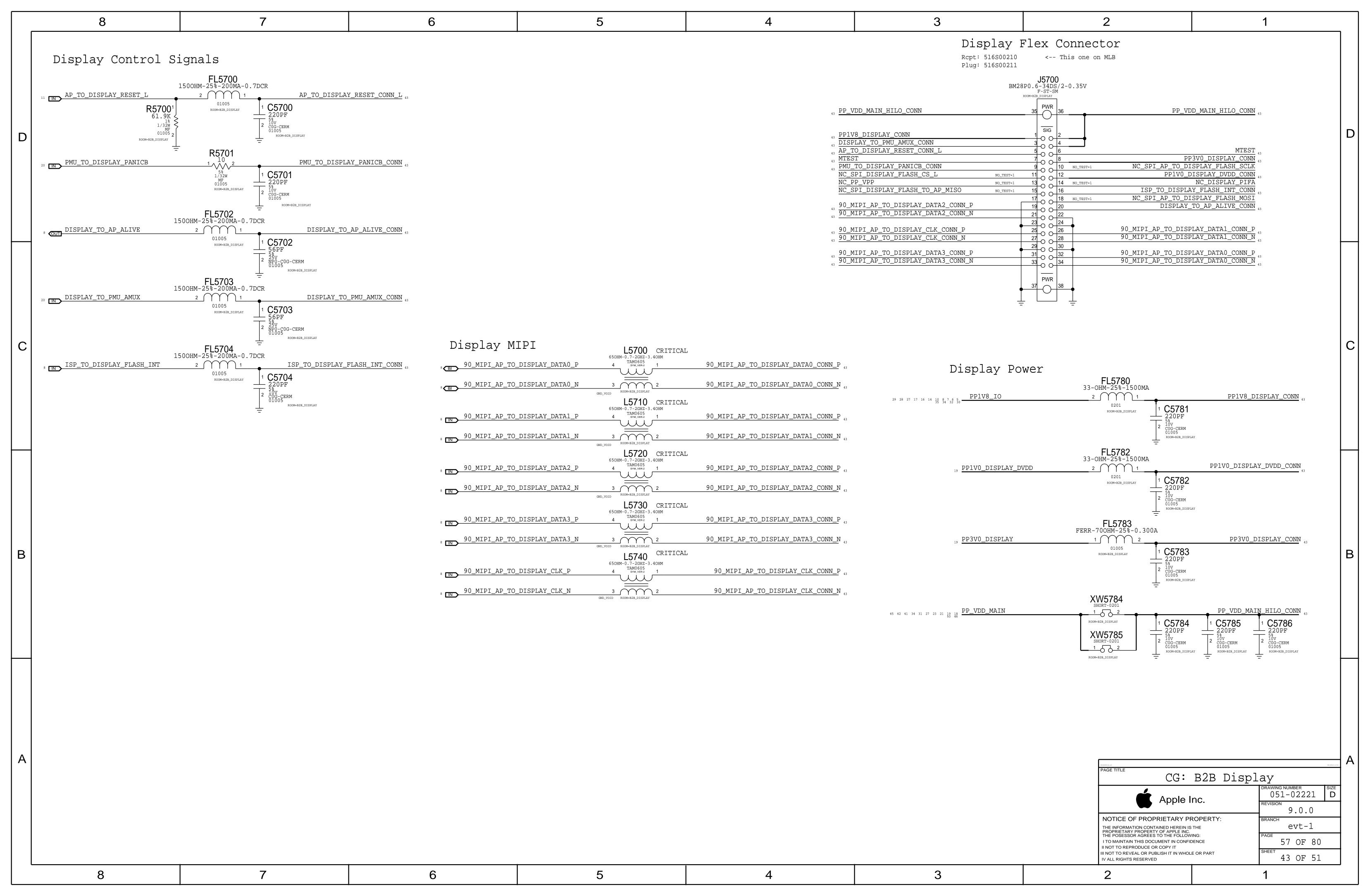


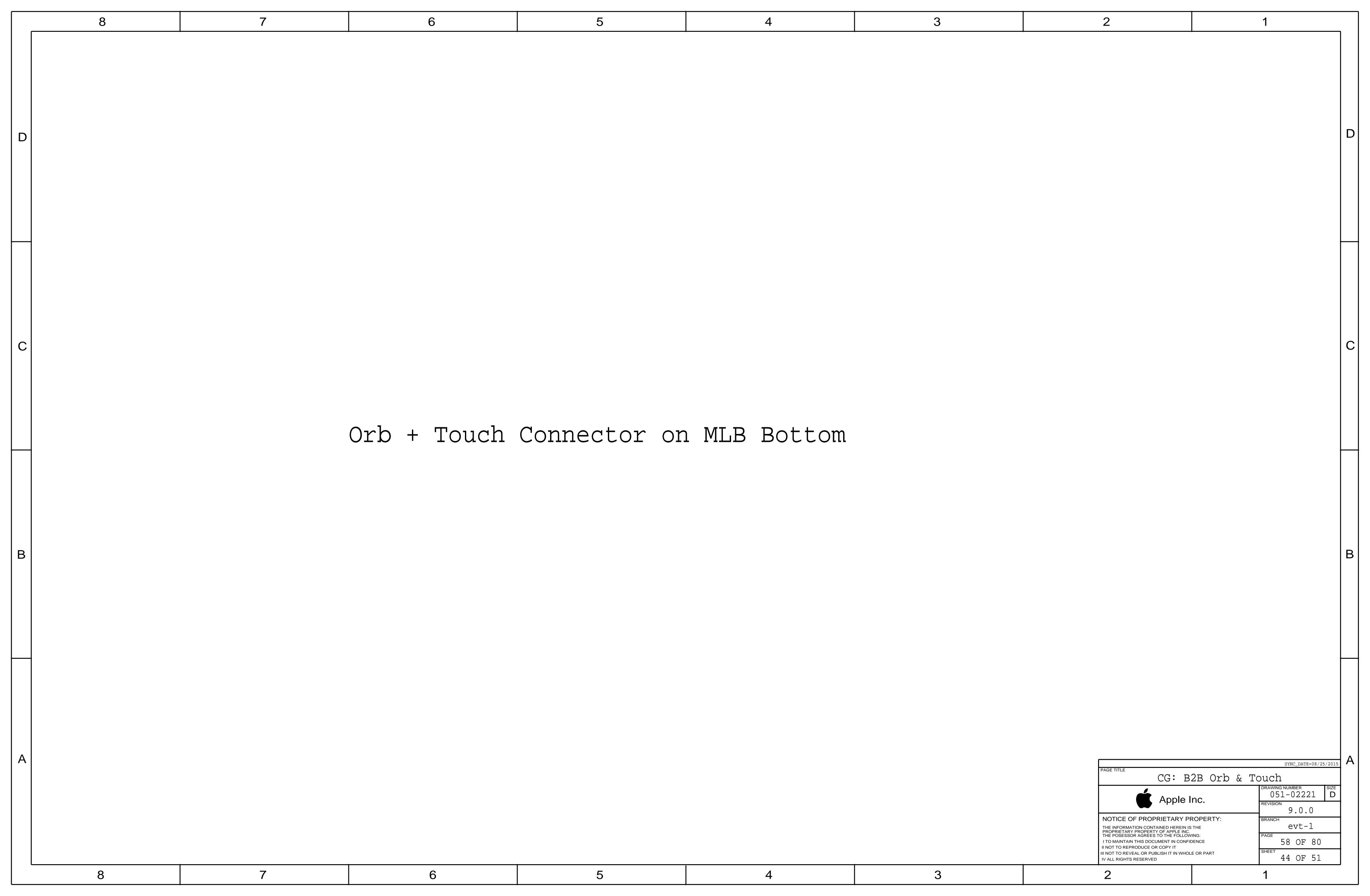


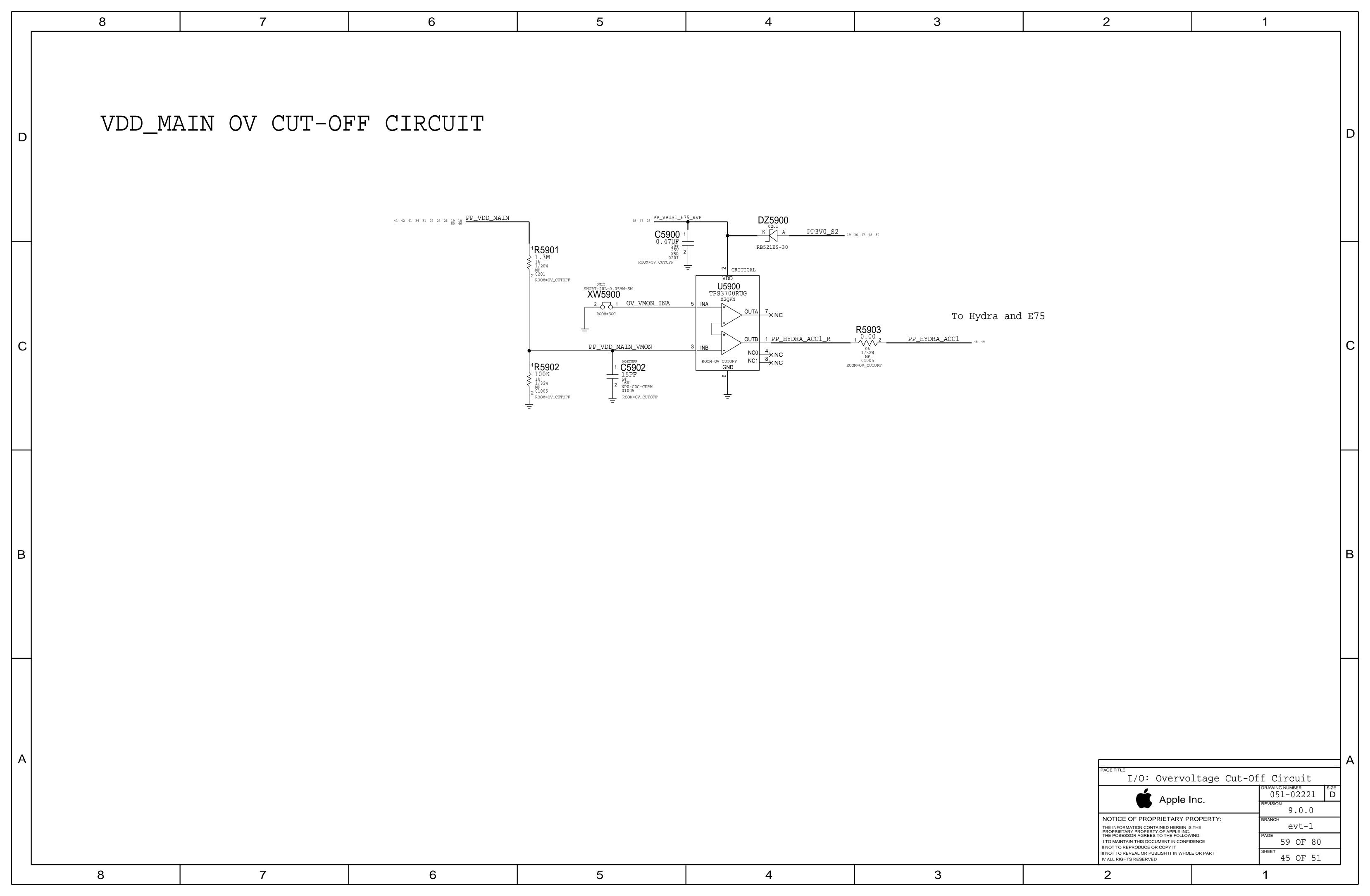


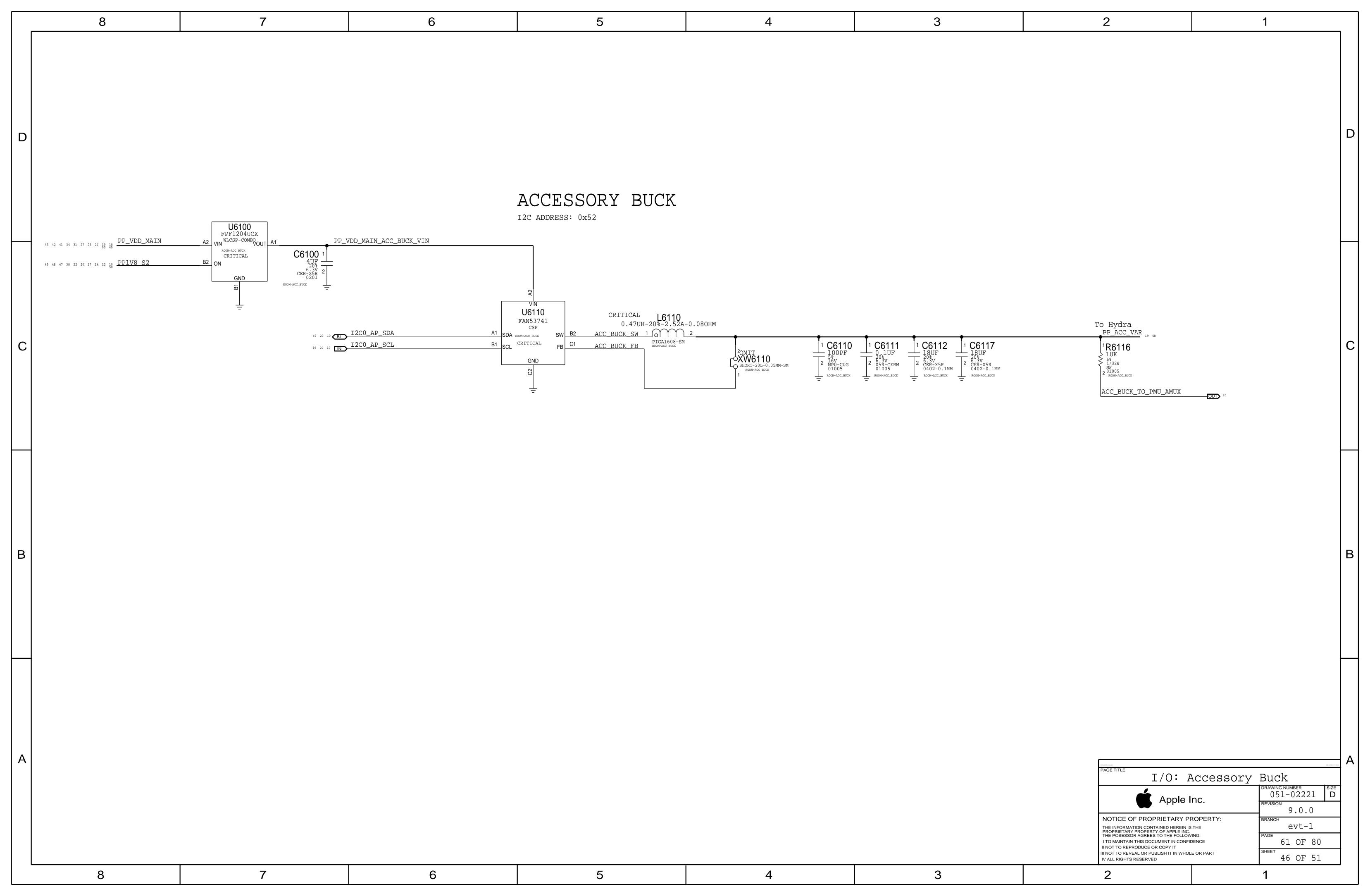


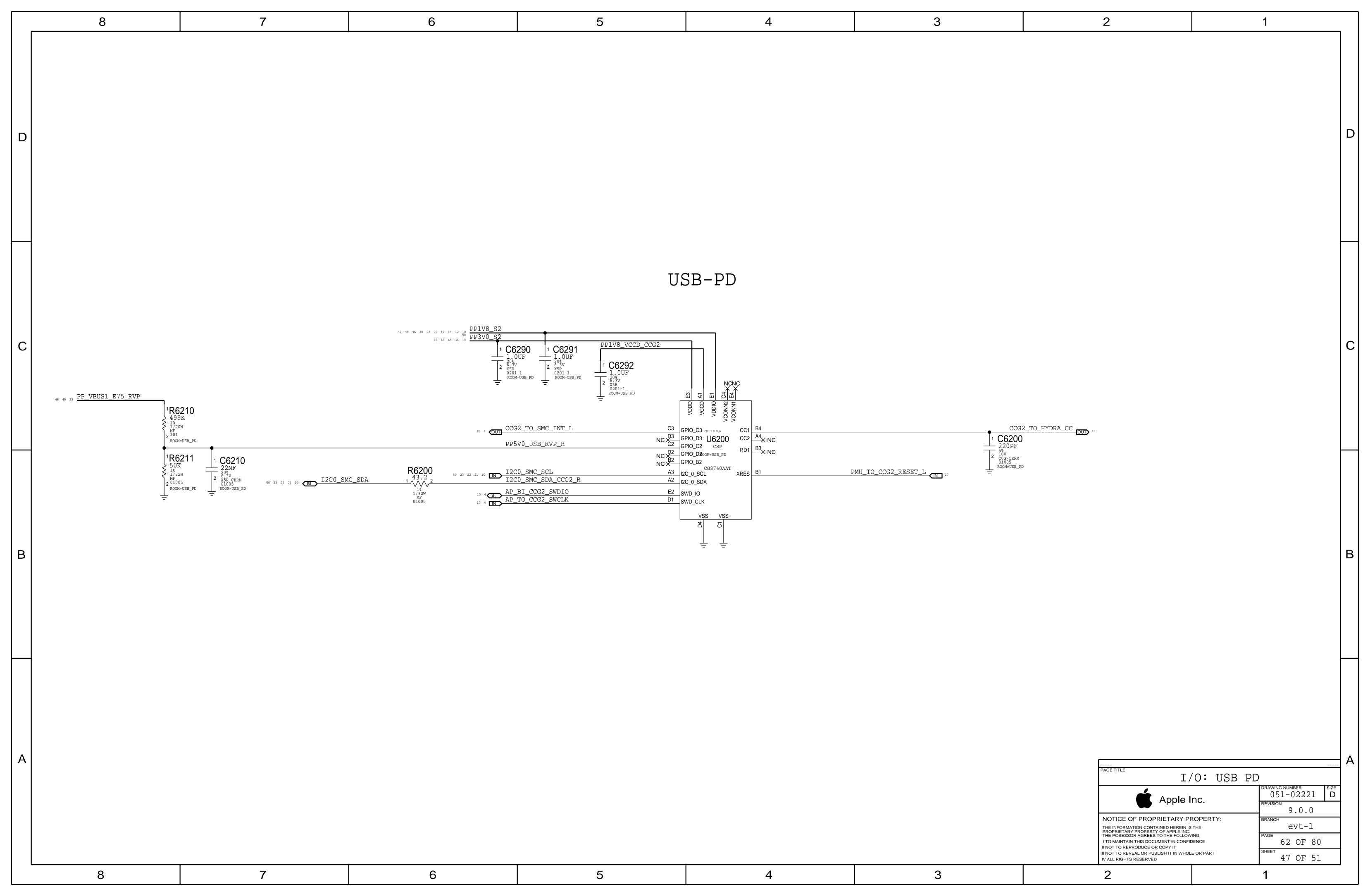


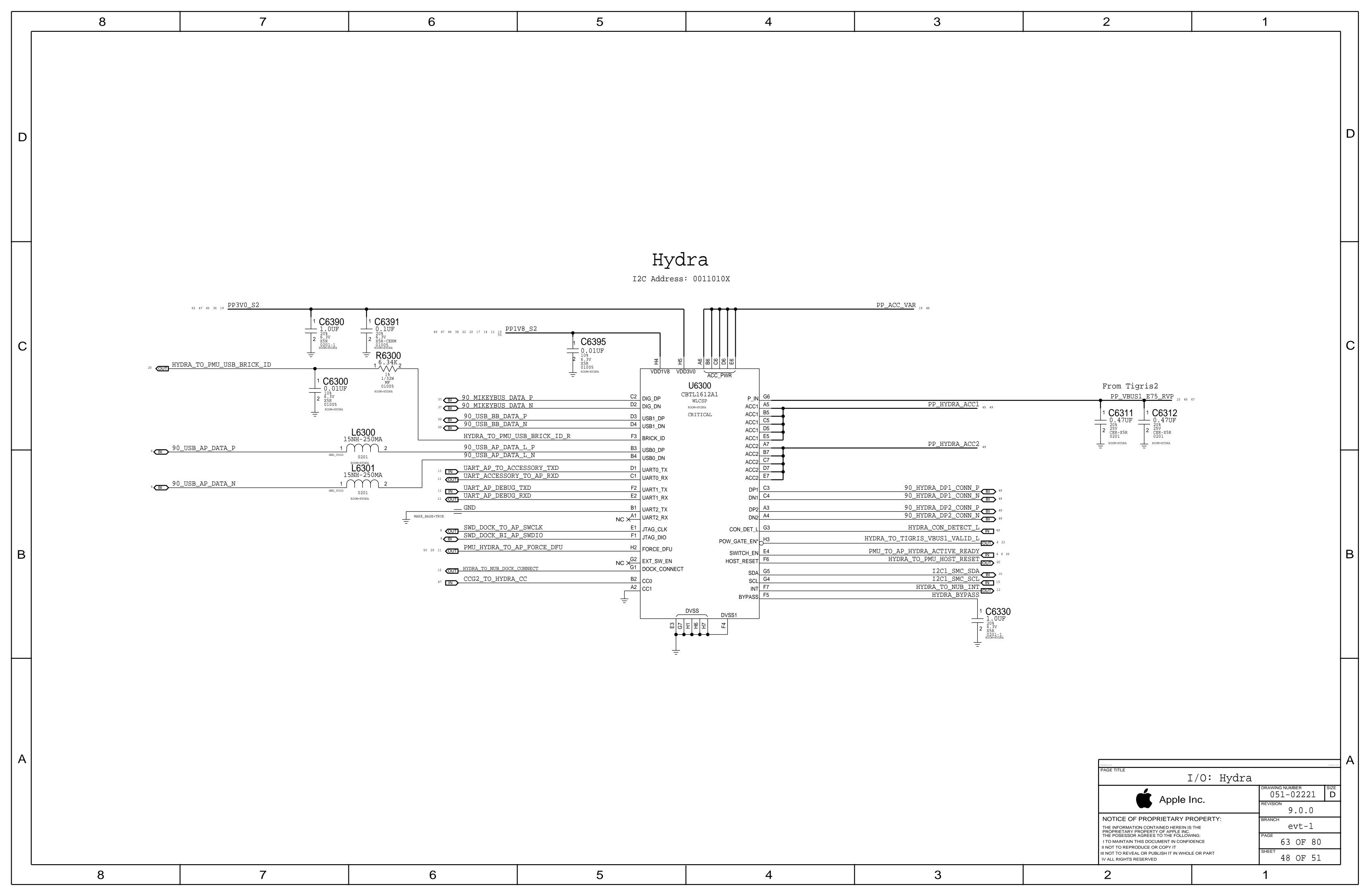


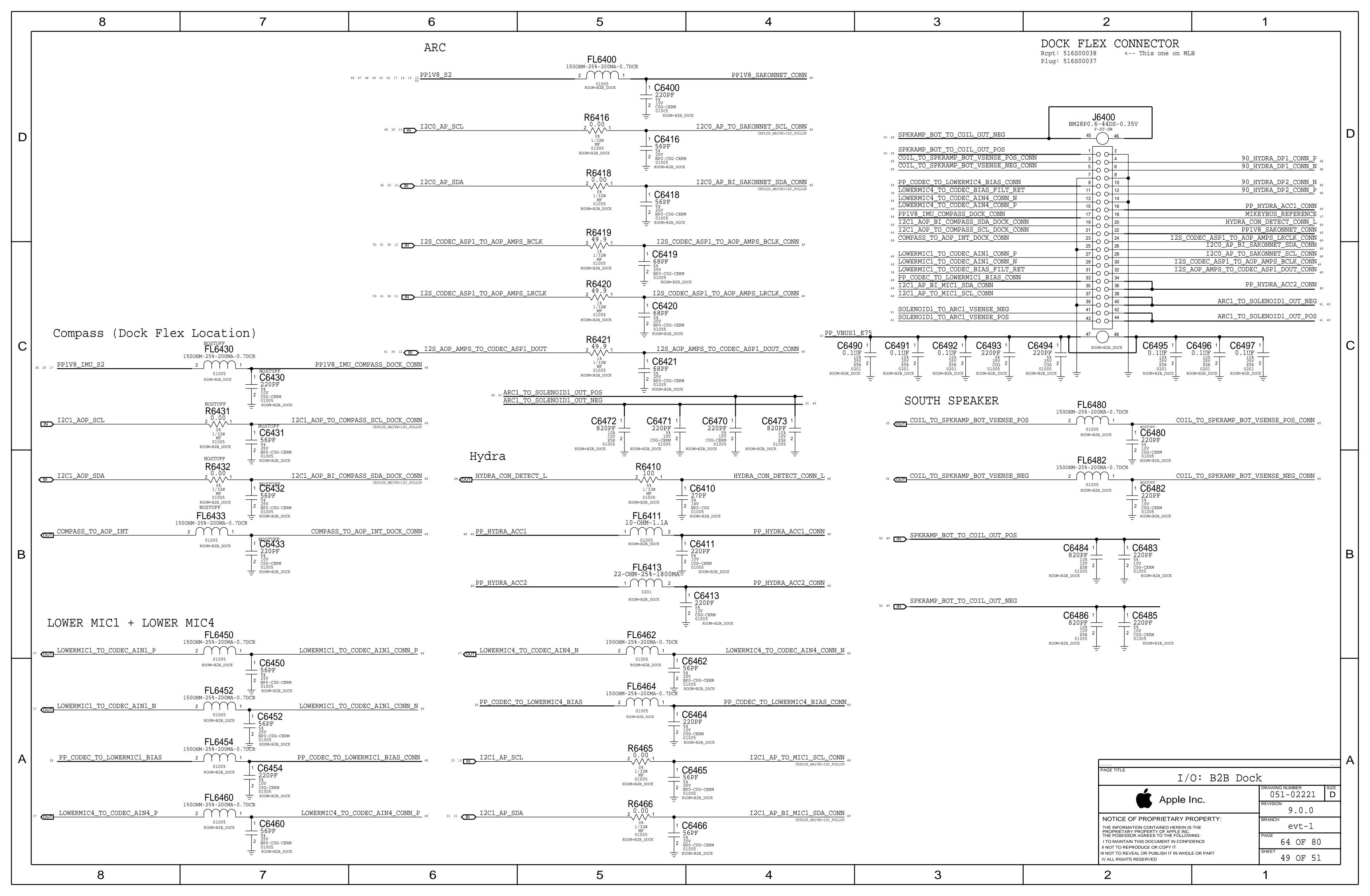


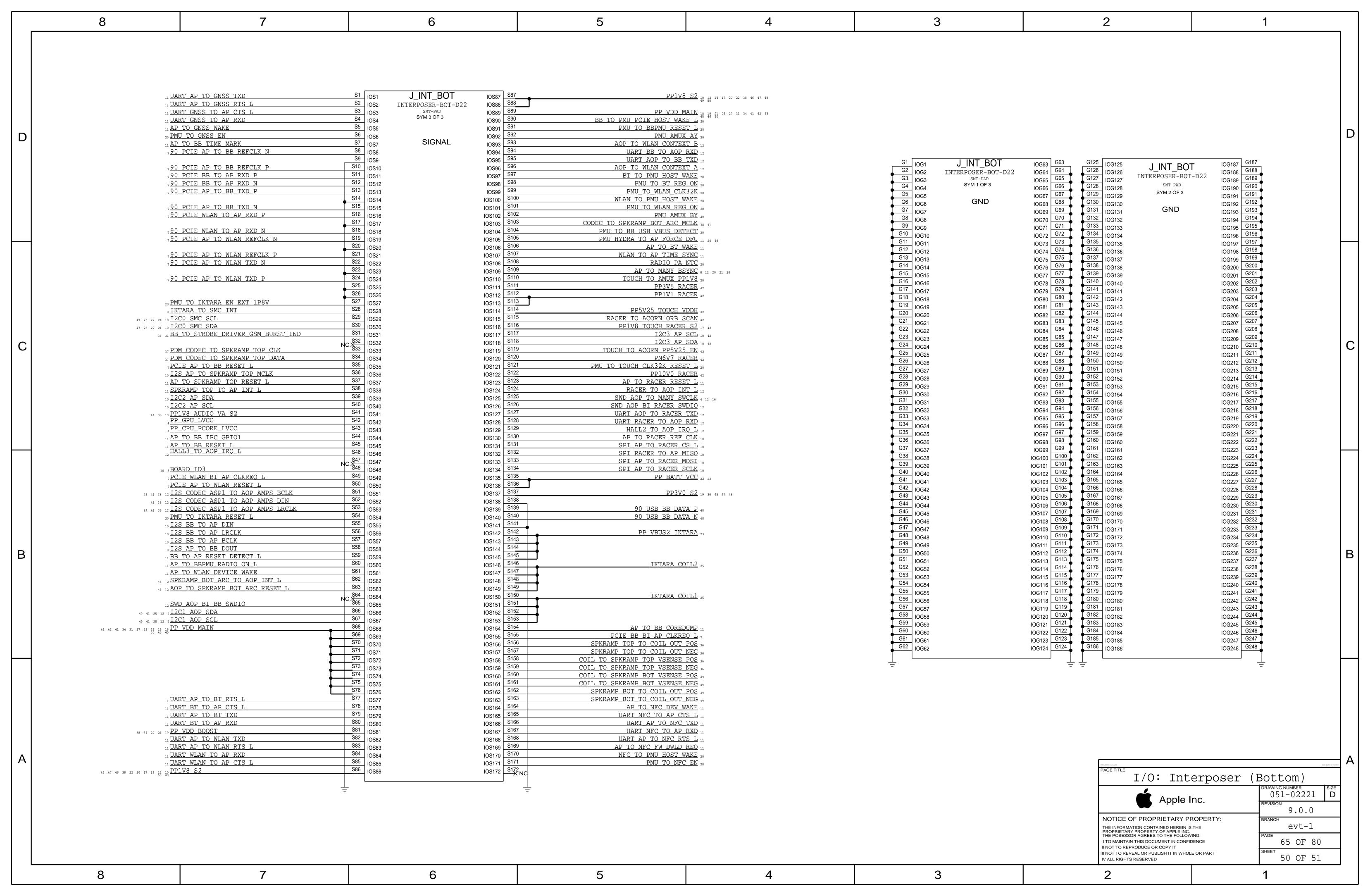




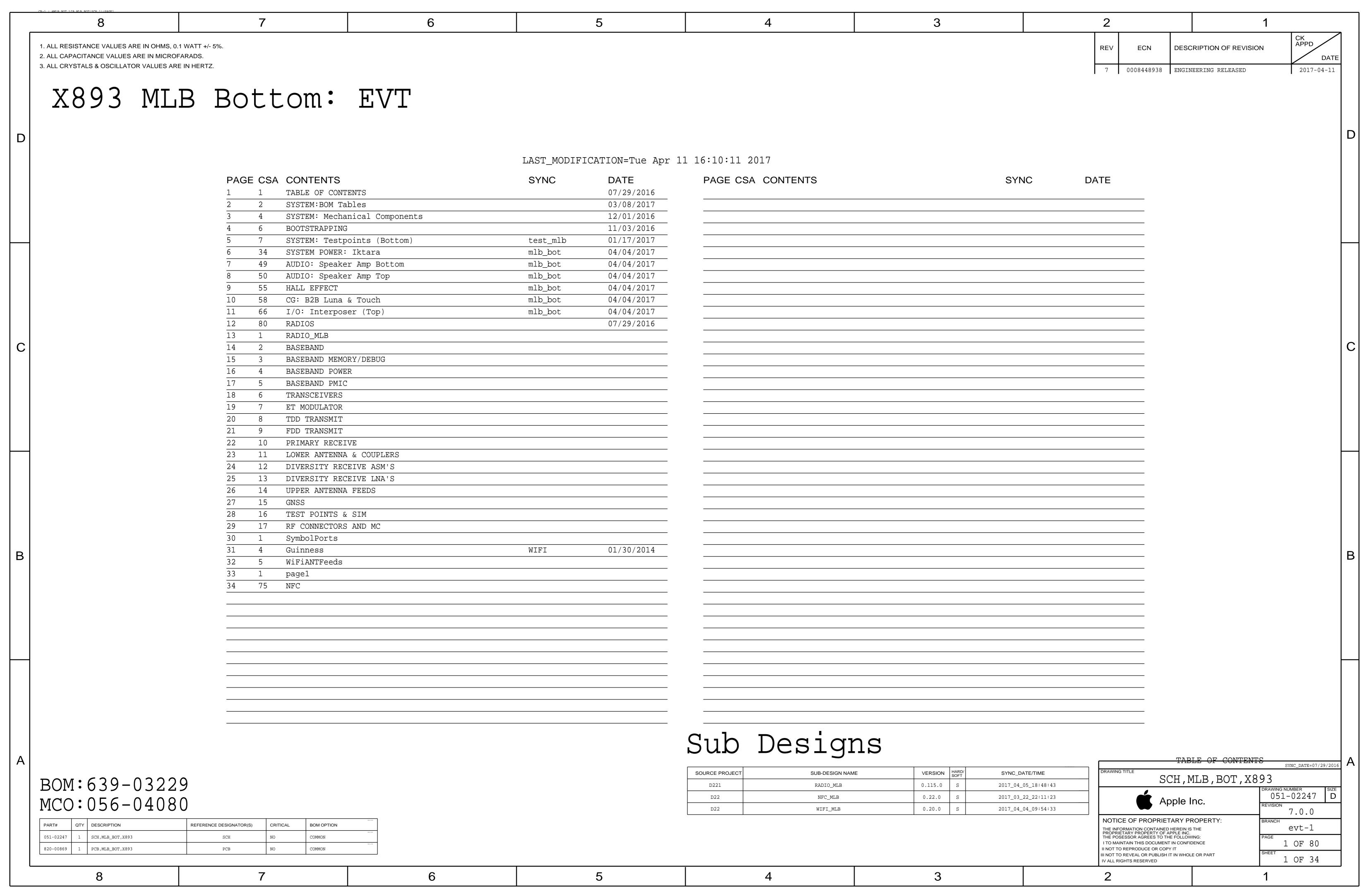




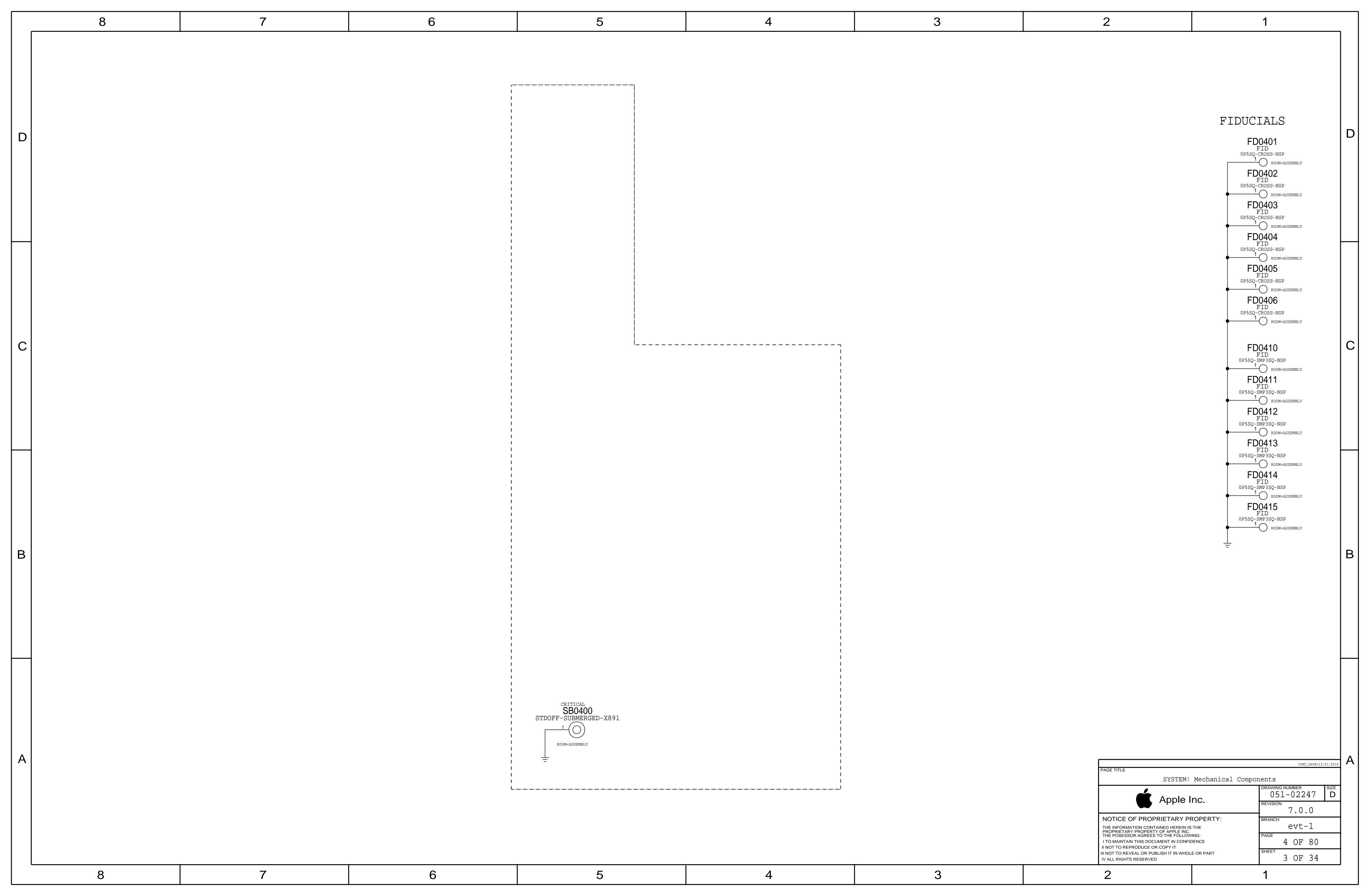


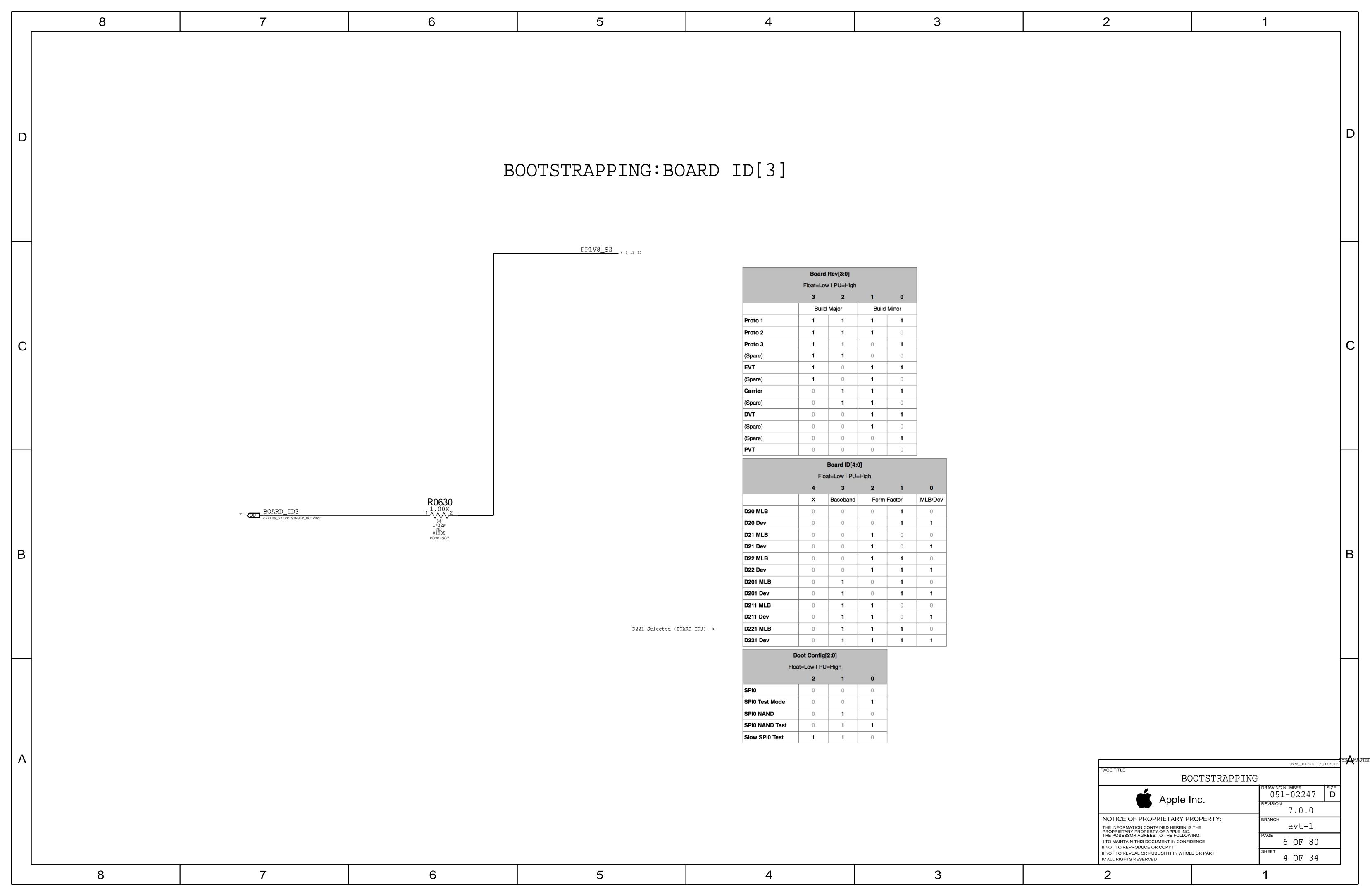


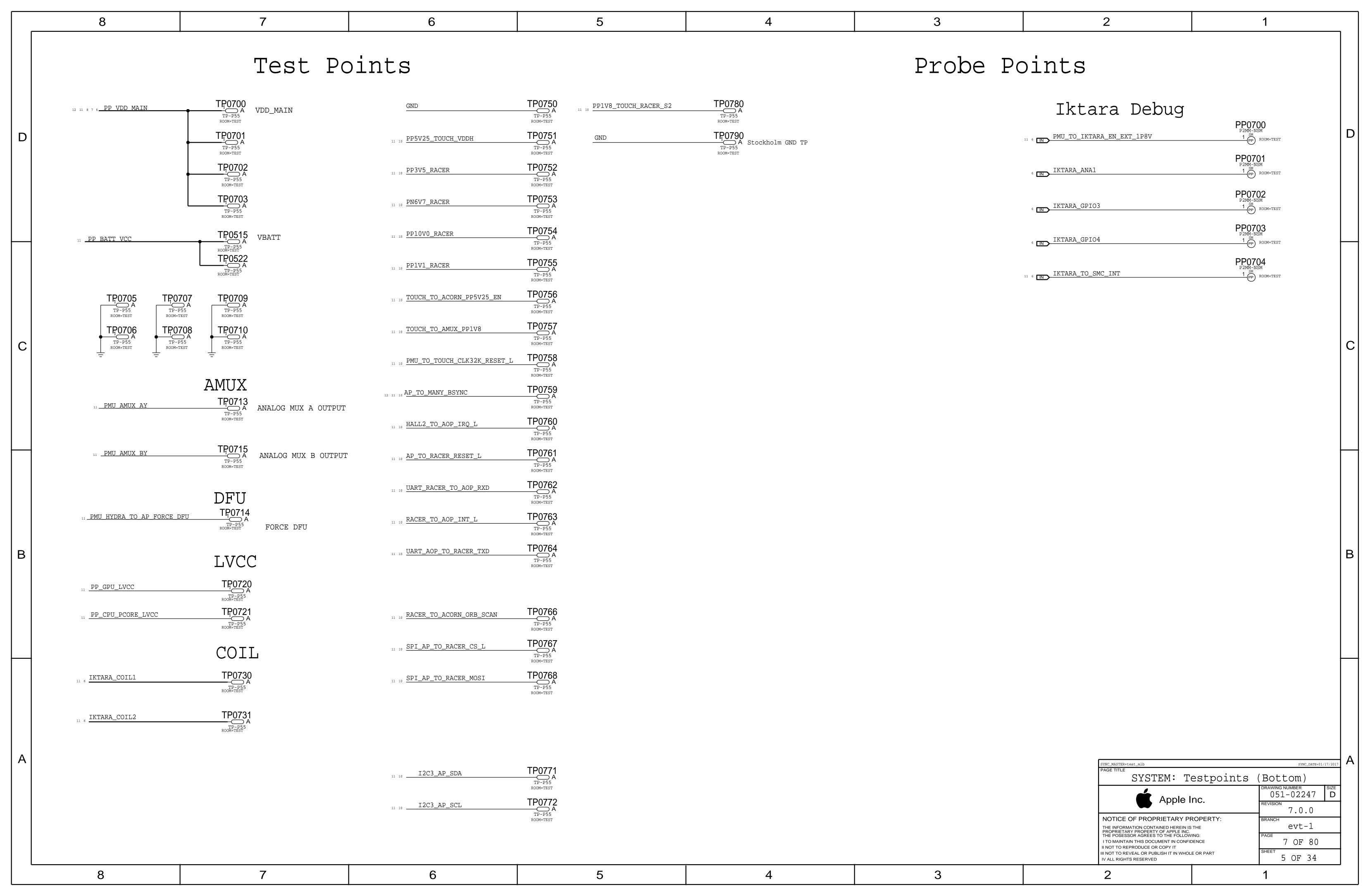


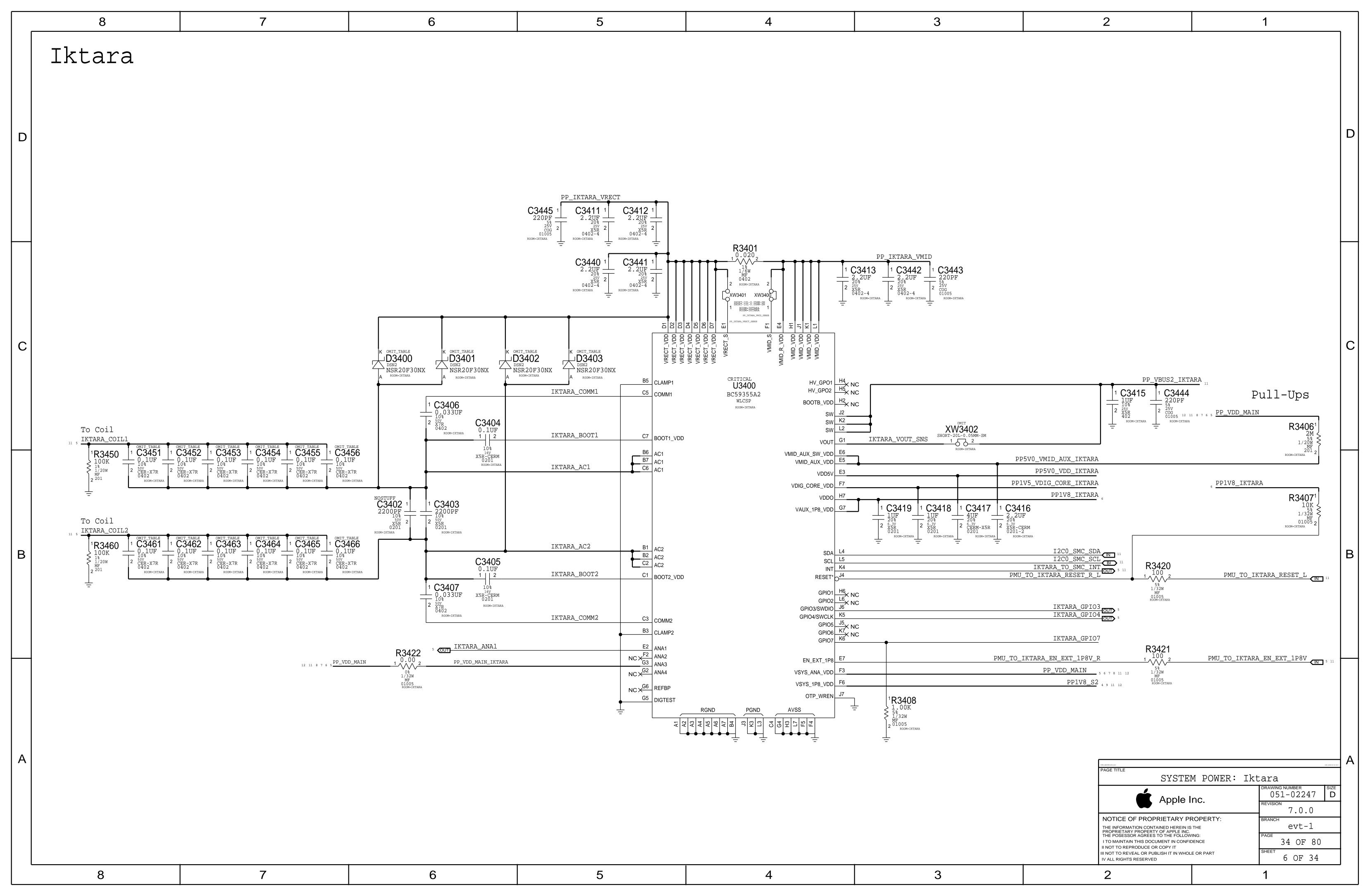


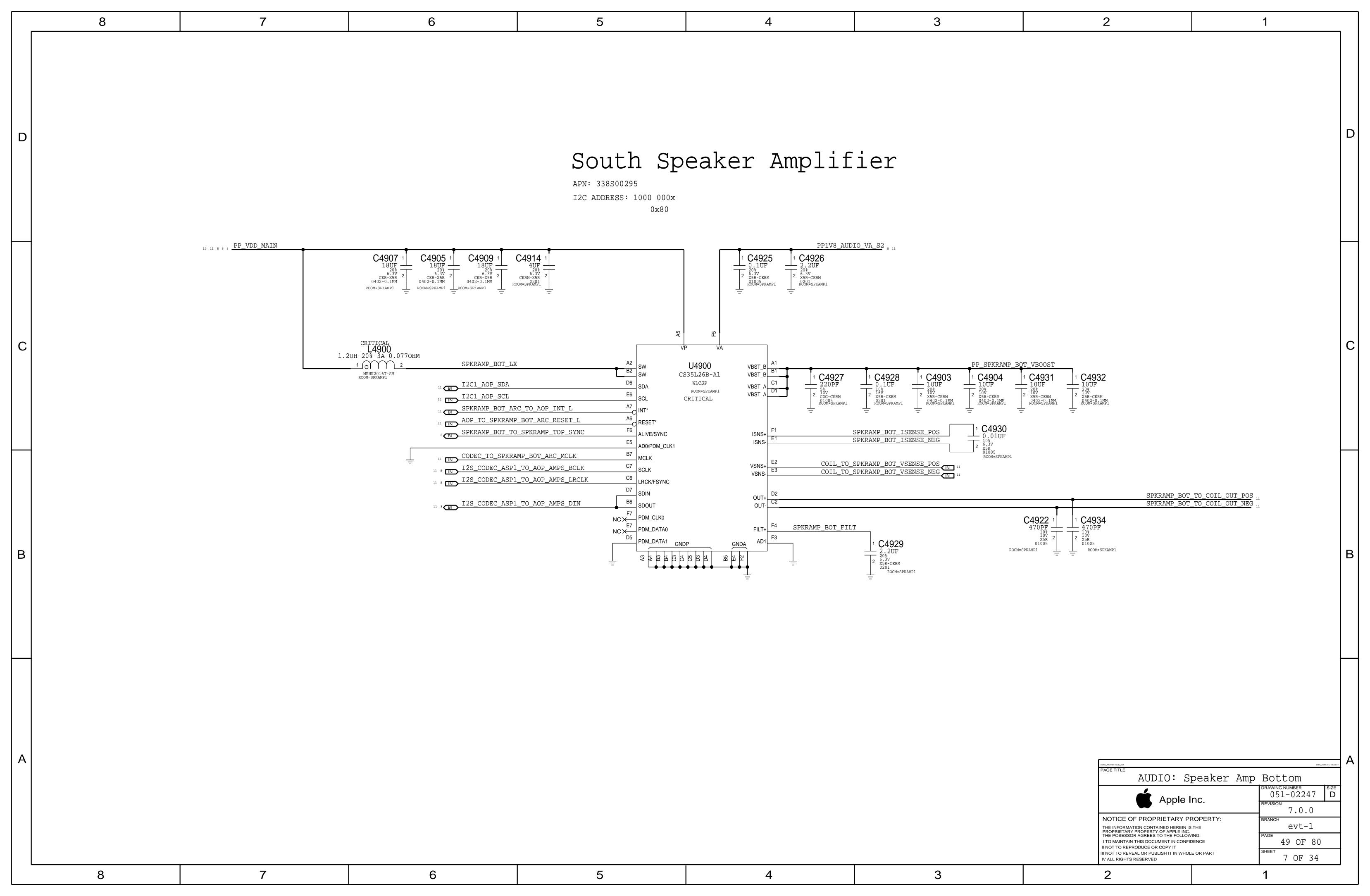
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	EEEE Codes  PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OP 825-7691 1 EEEE FOR (MLB_BOT, 639-03229) EEEE_HM07 NO COMMON	186,5,70	Iktara           PART#         QTY         DESCRIPTION           132S00021         8         CAP, CER, 0.082UF, 10%, 50V, X7R, 0402	REFERENCE DESIGNATOR(S)         CRITICAL         BOM OPTIC           c3452,c3453,c3454,c3456,c3461,c3462,c3463,c3464         NO         COMMON	ON 100.0,000	Soft-Term Caj  PART# QTY DESCRIPTION  685-00159 1 SUBBOM, MLB, BOT, CAP, TYPICAL, X893	P Sub BOMS  REFERENCE DESIGNATOR(S) CRITICAL BOM OPTOR CRITICAL COMMON	TION  Val. J. 700
D	Global Capacitors  PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION REF DES COMMENTS:  138S00148 138S00149 BOM_TABLE_ALTS ALL 0402-3T,10.5uF@lV, Kyocera  138S00150 138S00149 BOM_TABLE_ALTS ALL 0402-3T,10.5uF@lV, SEMCO  138S00150 138S00149 BOM_TABLE_ALTS ALL 0402-3T,10.5uF@lV, SEMCO	T# COMMENT  0402-3T,10.5uF@1V	132S0423   2   CAP, CER, 0.022UF, 50V, X7R, 10%, 0402     132S0423   2   CAP, CER, 0.022UF, 50V, X7R, 10%, 0402     PART NUMBER   ALTERNATE FOR PART NUMBER   BOM OPTION     685-00185   685-00184   BOM_TABLE_ALT     PART#   QTY   DESCRIPTION	C3451, C3465 CRITICAL COMMON  C3455, C3466 CRITICAL NOSTUFF  REF DES COMMENTS:  S SUBBOM_DS SUBBOM, MLB, BOT, DIODES, ONSEMI, X893  REFERENCE DESIGNATOR(S) CRITICAL BOM OPTIC	New Applies  New A	TOUCH/Luna B2B  PART# QTY DESCRIPTION  138S00159 1 CAP,SOFT-TERM,2.2UF,6.3V,0201,KYOCERA  138S0831 1 CAP,TYPICAL,2.2UF,6.3V,0201,MURATA  PART NUMBER ALTERNATE FOR PART NUMBER BOM OPTION	REFERENCE DESIGNATOR(S)  C5890  CRITICAL  SOFT_CA  C5890  CRITICAL  TYPICAL  REF DES  COMMENTS:	P
	PART NUMBER ALTERNATE FOR PART NUMBER BOM_TABLE_ALTS ALL 0402-3T,10.5uF@1V, TY    PART NUMBER   ALTERNATE FOR PART NUMBER   BOM_OPTION   REF DES   COMMENTS:   CRITICAL PART   138S00143   138S00144   BOM_TABLE_ALTS   ALL   0402,16uF@1V, Kyocera   138S00144   BOM_TABLE_ALTS   ALL   0402,16uF@1V, Taiyo   CRITICAL PART   CRITICAL PART	0402,16uF@1V	685-00184 1 SUBBOM,MLB,BOT,DIODES,DIODES,X893 371S00133 4 DIODES,SHOTTKY DIODE,30V,2A,0603 371S00132 4 ONSEMI,SHOTTKY DIODE,30V,2A,0603	SUBBOM_DS CRITICAL COMMON  D3400,D3401,D3402,D3403 CRITICAL DIODES_DS  D3400,D3401,D3402,D3403 CRITICAL ONSEMI_DS	100.6,5,000 100.6,5,000	685-00160 685-00159 BOM_TABLE_ALTS	SUBBOM_CAP SUBBOM, MLB, BOT, CAP, SOFT, X893	
	138S00138	0201,3uF@1V  T# COMMENT  0402,5.1uF@3V						
C	PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DES         COMMENTS:         CRITICAL PARTE           138S00140         138S00141         BOM_TABLE_ALTS         ALL         0201,1.1uF@3V, Kyocera         138S00141           138S00142         138S00141         BOM_TABLE_ALTS         ALL         0201,1.1uF@3V, SEMCO           138S00166         138S00141         BOM_TABLE_ALTS         ALL         0201,1.1uF@3V, Taiyo	COMMENT  0201,1.1uF@3V						C
	PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DES         COMMENTS:         CRITICAL PART           152S00558         152S00557         BOM_TABLE_ALTS         ALL         IND,MLD,0.47UH,20%,2.5A,80MO,1608         IS2S00557         155S00194         155S0610         BOM_TABLE_ALTS         ALL         FERR BD,150 OBM,25%,200MA,0.7 DCR,01005         IS5S0610         155S0610	T# COMMENT  IND, MLD, 0.47UH, 20%, 2.5A, 80MO, 1608  FERR BD, 150 OHM, 25%, 200MA, 0.7 DCR, 01005						
В	Global R/C Alternate           PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DES         COMMENTS:         CRITICAL PART           138S0648         138S0652         BOM_TABLE_ALTS         ALL         CAP_XSR_4.7UF_6.3V_0.65MM,0402_TATYO         138S00652           138S00024         138S0986         BOM_TABLE_ALTS         ALL         CAP_CER_3-TERM_7.5UF_20M_4V_0402_TATYO/TEK         138S0986           138S0739         BOM_TABLE_ALTS         ALL         CAP_CER_1UF_20M_10V_XSR_0201_MURATA         138S0739	Mad JONA, Mad						В
	138S0945   138S0739   BOM_TABLE_ALTS   ALL   CAP,CER,1UF,20%,10V,XSR,0201,KYOCERA   138S0739   138S0706   BOM_TABLE_ALTS   ALL   CAP,CER,XSR,0.22UF,20%,6.3V,20%   132S0436   132S0400   BOM_TABLE_ALTS   ALL   CAP,CER,XSR,0.22UF,20%,6.3V,01005   132S0400   138S00049   138S0831   BOM_TABLE_ALTS   ALL   CAP,CER,XSR,2.2UF,20%,6.3V,0201   138S0831   138S0831   CAP,CER,XSR,2.2UF,20%,6.3V,0201   138S0831   CAP,CER,XSR,2.2UF,20%,6.3V,0201   CAP,CER,XSR,2.2UF,20%,6.3V,020   CAP,CER,XSR,2.2UF,20%,6.3V,020   CAP,CER,XSR,2.2UF,20%,6.3V,020   CAP,CER,XSR,2.2UF,20%,6.3V,020   CAP,CER,XSR,2.2UF,20%,6.3V,020   CAP,CER,XSR,2.2	CAP, CER, X5R, 0.22UF, 20%, 6.3V, 20%  CAP, CER, X5R, 0.22UF, 20%, 6.3V, 01005  CAP, CER, X5R, 2.2UF, 20%, 6.3V, 0201						
	PART NUMBER         ALTERNATE FOR PART NUMBER         BOM OPTION         REF DES         COMMENTS:         CRITICAL PART           152S00653         152S00651         BOM_TABLE_ALTS         ALL         IND,1.2UH,3A,2016,0.65Z         152S00651           152S00654         152S00652         BOM_TABLE_ALTS         ALL         IND,1.2UH,3A,2016,0.8Z         152S00652	IND, 1.2UH, 3A, 2016, 0.65Z  IND, 1.2UH, 3A, 2016, 0.8Z						
A	Multi-Vendor         Critical part#         Comment         Critical part#         Comment         Critical part#         Comment           138S0979         Cap, Cer, X5R, 10UF, 20%, 10V, 0402, H=0.65MM         132S00008         Cap, Cer, 0.1UF, 10%, 50V, X7R, 0402           138S0683         Cap, Cer, X5R, 1UF, 10%, 25V, 0402         131S0804         Cap, Cer, 27PF, 5%, C0G, 25V, 0201           132S02663         Cap, Cer, X5R, 1UF, 10%, 25V, 0402         131S0307         Cap, Cer, NPO/COG, 100PF, 5%, 16V, 0           132S0288         Cap, Cer, X5R, 0.1UF, 10%, 16V, 0201         131S00053         Cap, Cer, Cog, 220PF, 5%, 10V, 01005           132S0275         Cap, Cer, X5R, 470PF, 10%, 10V, 01005         117S0055         RES, MF, 1/20W, 2M OHM, 5, 0201, SMD           132S0245         Cap, Cer, X5R, 0.01UF, 10%, 6.3V, 01005         107S0257         THERMISTOR, NTC, 10K OHM, 1%, B=34	Tends (1970 to 1970  Tends (19					SYNC_MASTER=  PAGE TITLE  SYSTEM: BOM Talk  Apple Inc.  NOTICE OF PROPRIETARY PROPERTY:  THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC.  THE POSESSOR AGREES TO THE FOLLOWING:  I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE  II NOT TO REPRODUCE OR COPY IT  III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART  IN ALL RIGHTS RESERVED.	SYNC_DATE=03/08/2017  Oles  DRAWING NUMBER
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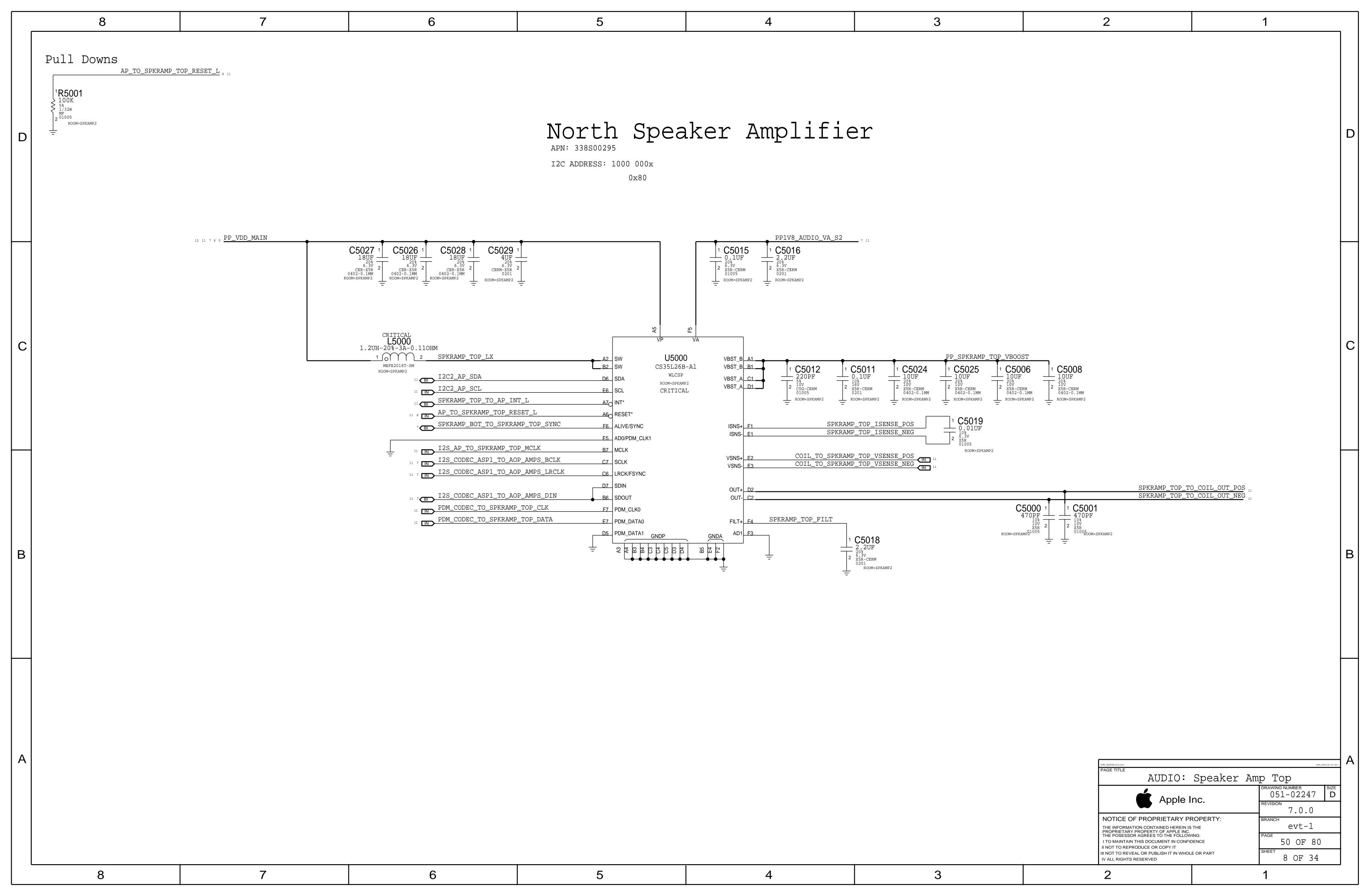


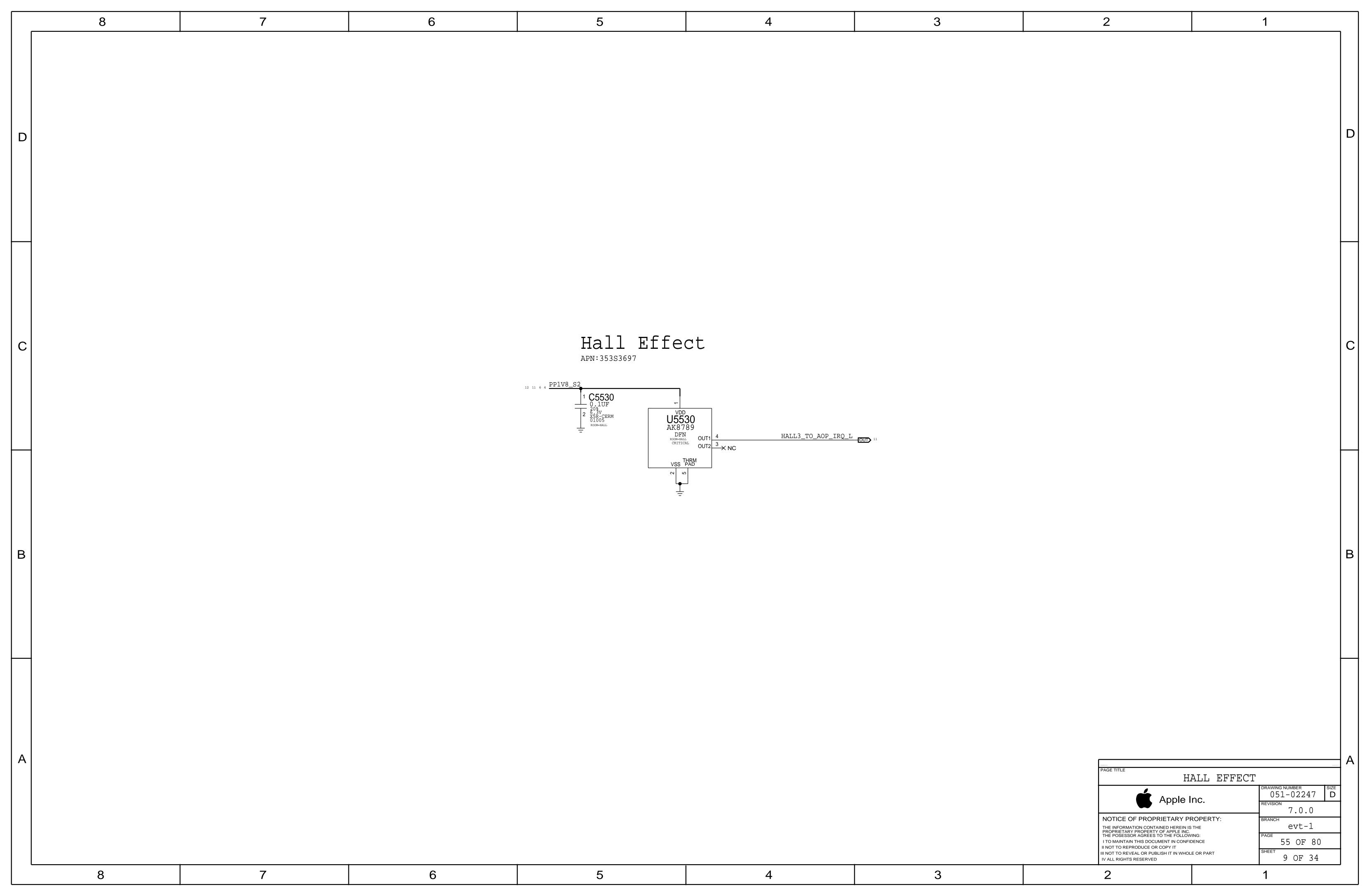


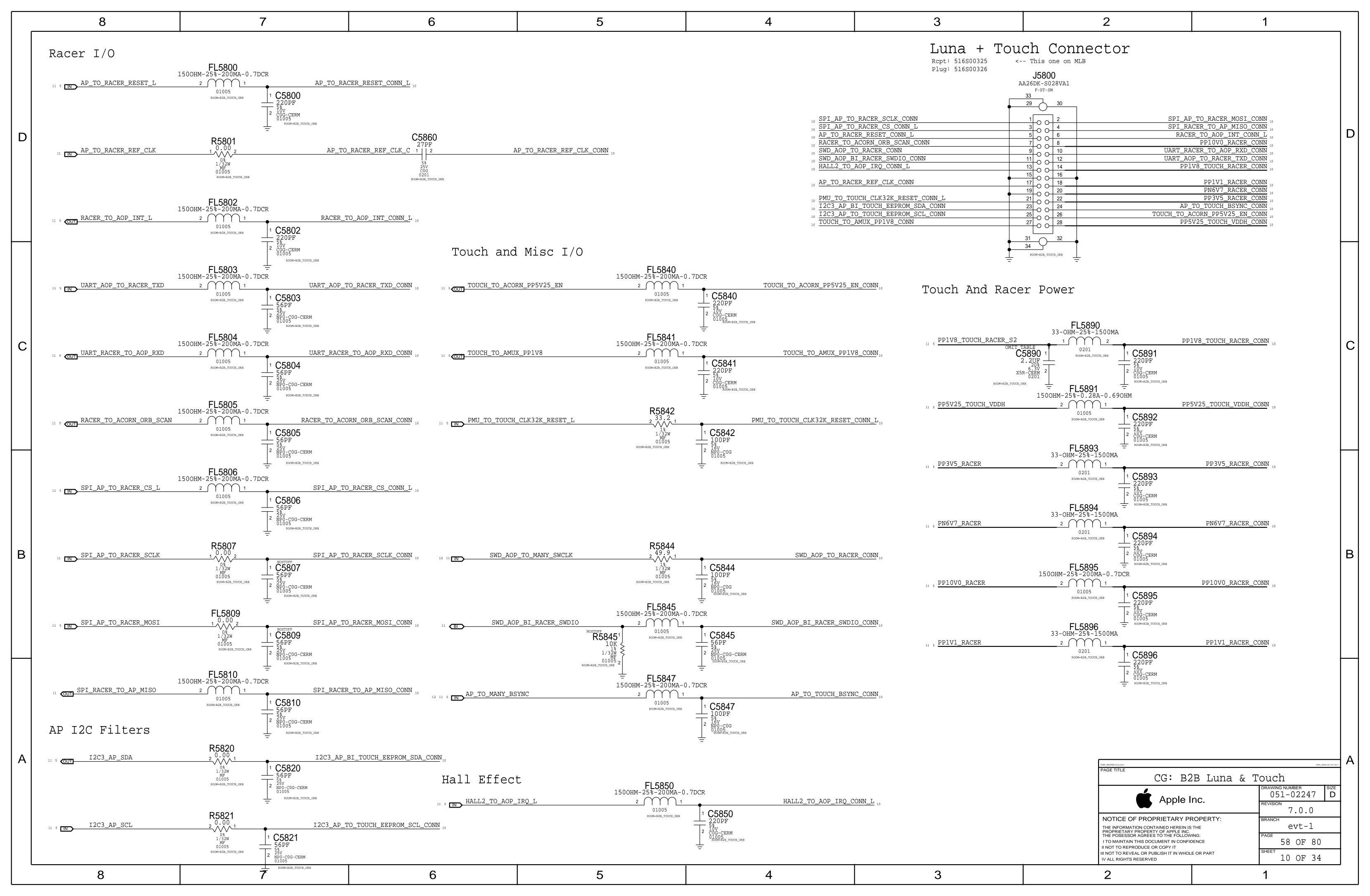


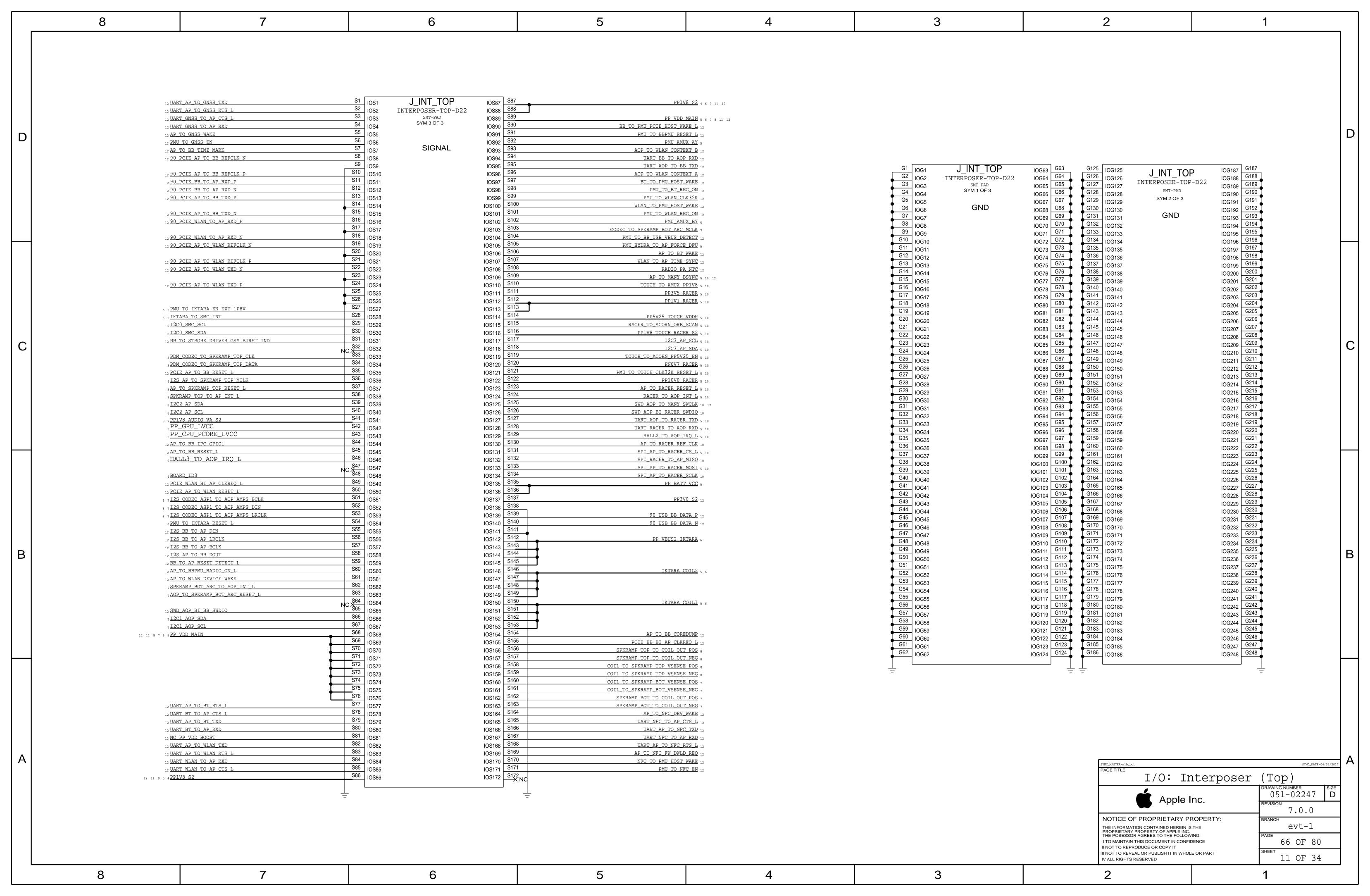


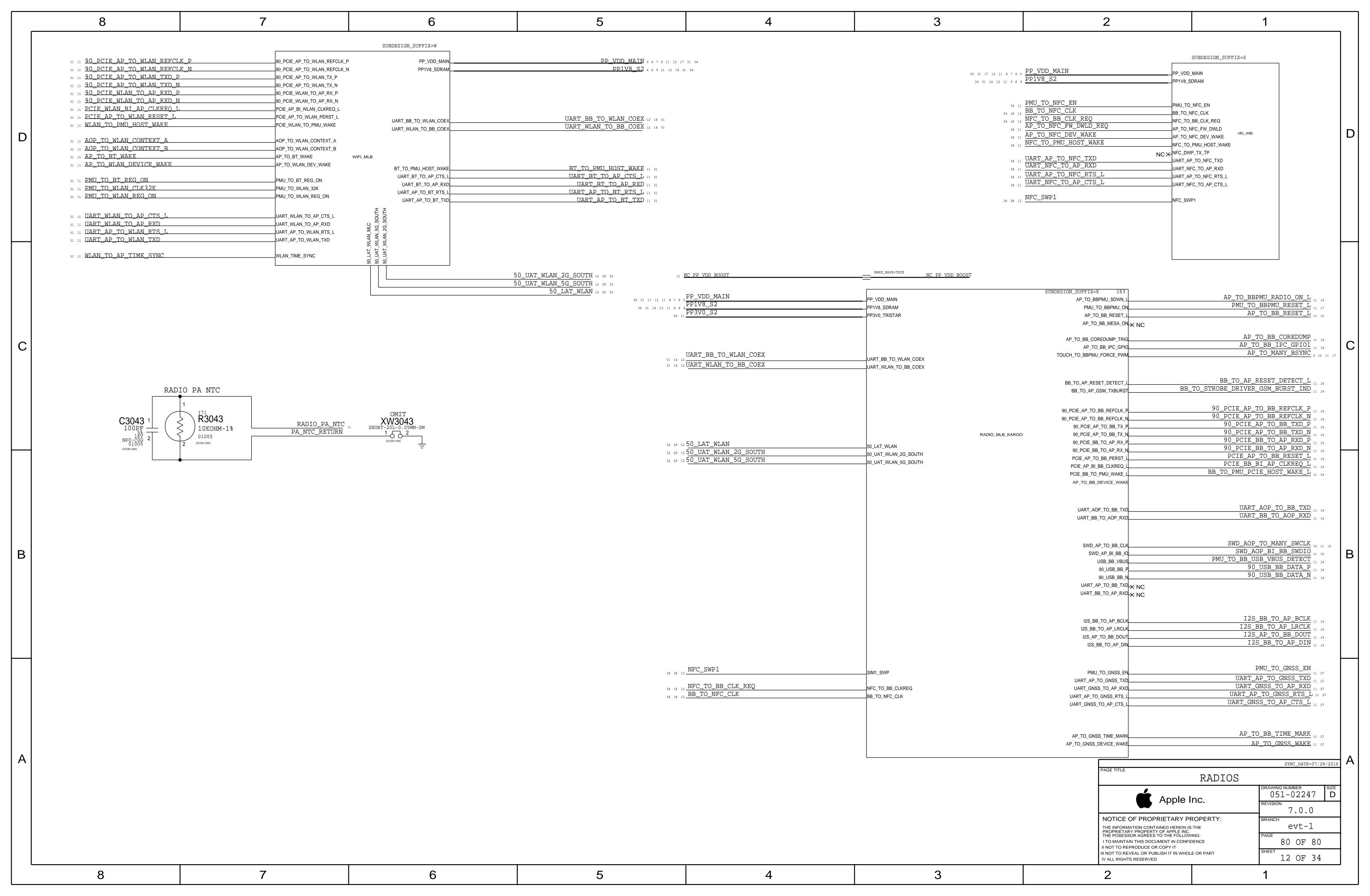












CK APPD 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5% REV **DESCRIPTION OF REVISION** ECN 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. DATI 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. 0008448938 ENGINEERING RELEASED 2017-04-11 RADIO\_MLB PORTS ICE17.2 RADIO\_MLB 28 27 20 19 18 17 12 IN PP\_VDD\_MAIN 28 27 26 23 18 17 16 15 14 12 IN PP1V8 S2 Tue Apr 11 16:10:08 2017 ANTENNA FEEDS CONTENTS PDF PAGE CSA PAGE CLOCKS 17 O UAT WLAN 2G SOUTH PMU\_TO\_BB\_GNSS\_32K BASEBAND 50 UAT WLAN 5G SOUTH BASEBAND MEMORY/DEBUG BASEBAND POWER BASEBAND PMIC TRANSCEIVERS ET MODULATOR TDD TRANSMIT 14 12 IN AP\_TO\_BB\_IPC\_GPIO1 FDD TRANSMIT 9 PRIMARY RECEIVE LOWER ANTENNA & COUPLERS DIVERSITY RECEIVE ASM'S 13 DIVERSITY RECEIVE LNA'S UPPER ANTENNA FEEDS AP\_TO\_BB\_DEVICE\_WAKE 15 GNSS **UART** TEST POINTS & SIM 28 14 IN UART AP TO BB TXD K 28 14 OUT UART\_BB\_TO\_AP\_RXD\_K ALTERNATES 14 12 UART BB TO AOP RXD PART NUMBER REFERENCE DESIGNATOR(S) DESCRIPTION **BOM OPTION** PART NUMBER 197S00040 197S00044 VTCXO\_K AVX VC-TCXO 197S00042 197S00044 VTCXO\_K NDK VC-TCXO 335S00013 335S0894 EPROM\_K ON SEMI EEPROM 138S0719 138S1103 C522\_K MURATA 14 12OUT I2S\_BB\_TO\_AP\_DIN 138S00128 138S00133 MURATA C509\_K, C523\_K, C605\_K, C624\_K, C626\_K, C1114\_K, C1116 WLAN 138S00049 138S00032 MURATA C402\_K, C433\_K, C437\_K, C510\_K, C720\_K 28 14 12 IN UART\_BB\_TO\_WLAN\_COEX 138S0831 138S00032 MURATA C402\_K, C433\_K, C437\_K, C510\_K, C720\_K 28 14 12 UART WLAN TO BB COEX 138S00086 138S0884 MURATA C500\_K, C501\_K, C502\_K, C514\_K, C515\_K 339S00363 339S00353 PILSNER STATS 16 ONFC\_SWP1 18 12 IN NFC TO BB CLK REQ GNSS 28 27 12 IN PMU\_TO\_GNSS\_EN BOM OPTIONS 28 27 12 UART AP TO GNSS TXD 28 27 12 OUT UART GNSS TO AP CTS L QTY DESCRIPTION CRITICAL BOM OPTION REFERENCE DESIGNATOR(S) 998-05780 BASEBAND, UNFUSED BB\_UNFUSED U\_BB\_K 28 27 12 IN AP TO BB TIME MARK 998-05781 BASEBAND, LOCAL FUSED BB\_LOCAL\_FUSED U\_BB\_K CRITICAL DEBUG 998-05782 BASEBAND, DEV FUSED U\_BB\_K BB\_DEV\_FUSED 28 15 12 IN SWD AOP TO MANY SWCLK 337S00244 BASEBAND, PRODUCTION FUSED U\_BB\_K CRITICAL BB\_PROD\_FUSED SOFT\_CAP 138S00159 CAP, SOFT-TERM, 2.2uF, 6.3V, 0201, KYOCERA C402\_K,C437\_K,C438\_K,C433\_K,C510\_K,C720\_K,C1601\_I 16 2 10 90 USB\_BB\_DATA\_P TYPICAL\_CAP CAP, TYPICAL, 2.2UF, 6.3V, 0201, MURATA 16 2 O USB BB DATA N RADIO\_MLB SCH, MLB, BOT, X893 051-02247 Apple Inc. 7.0.0 NOTICE OF PROPRIETARY PROPERTY: evt-1 THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSESSOR AGREES TO THE FOLLOWING: 1 OF 17 I TO MAINTAIN THIS DOCUMENT IN CONFIDENCE II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSE ONLY - NOT A CHANGE REQUEST 13 OF 34 IV ALL RIGHTS RESERVED

