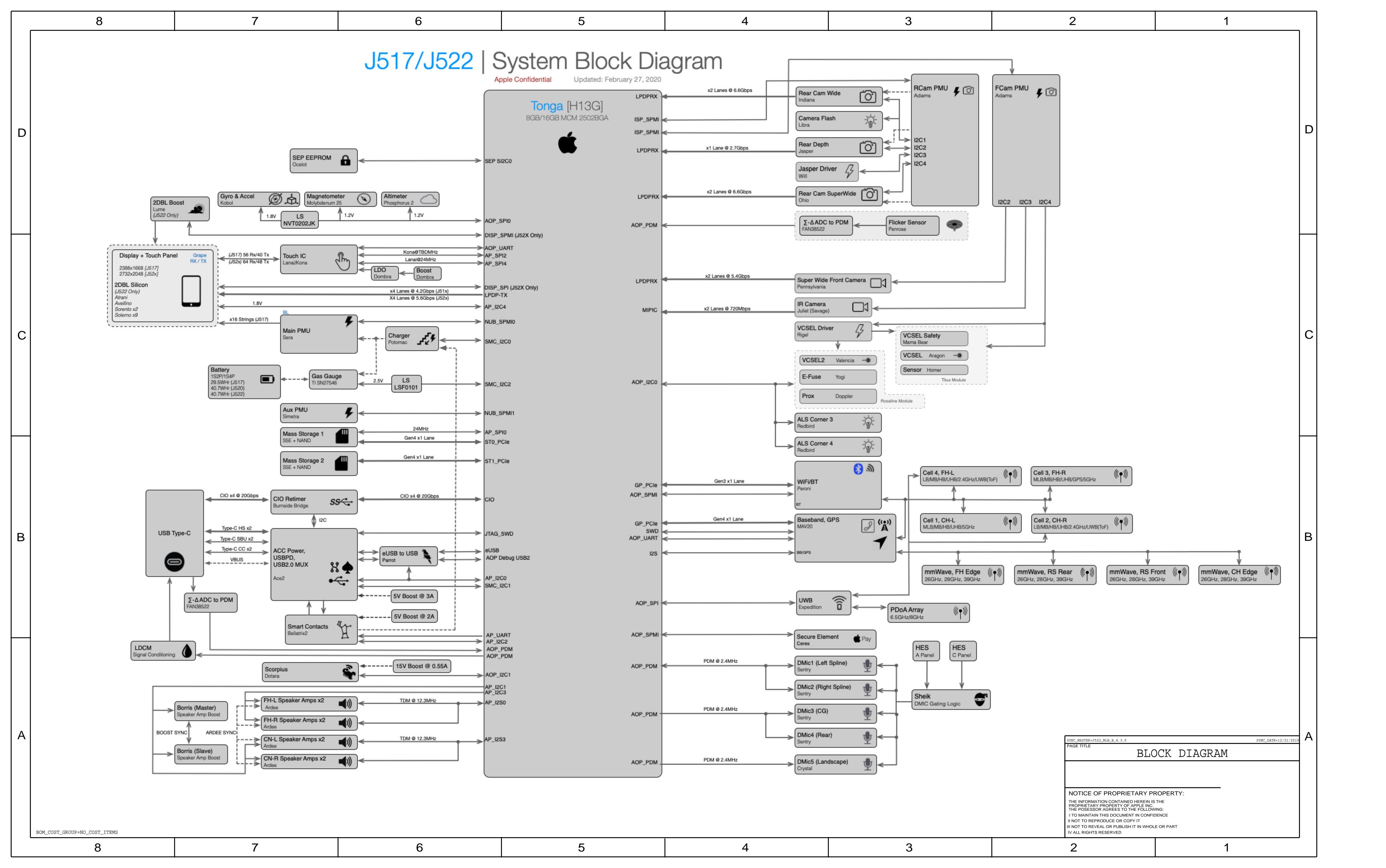
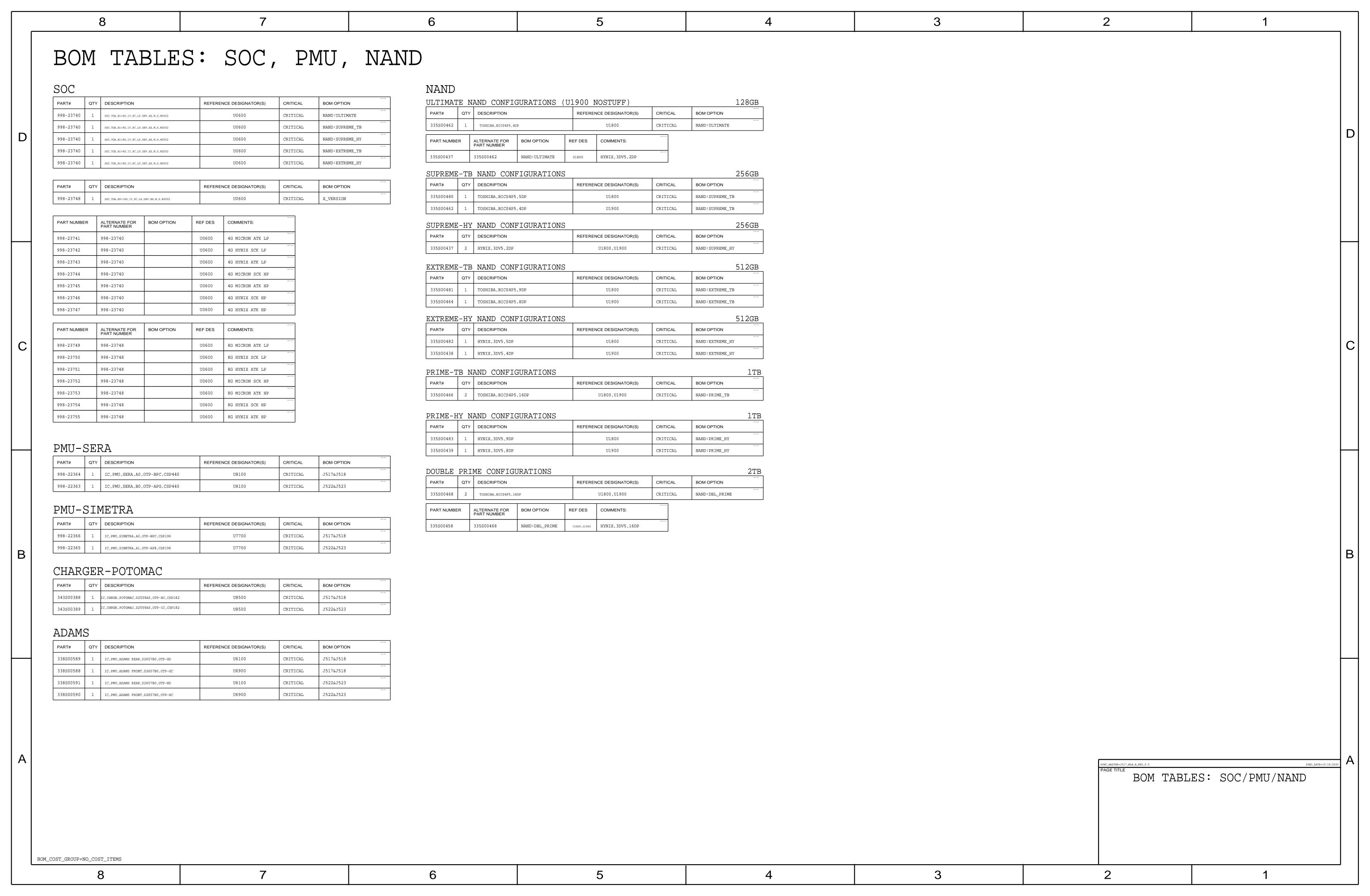
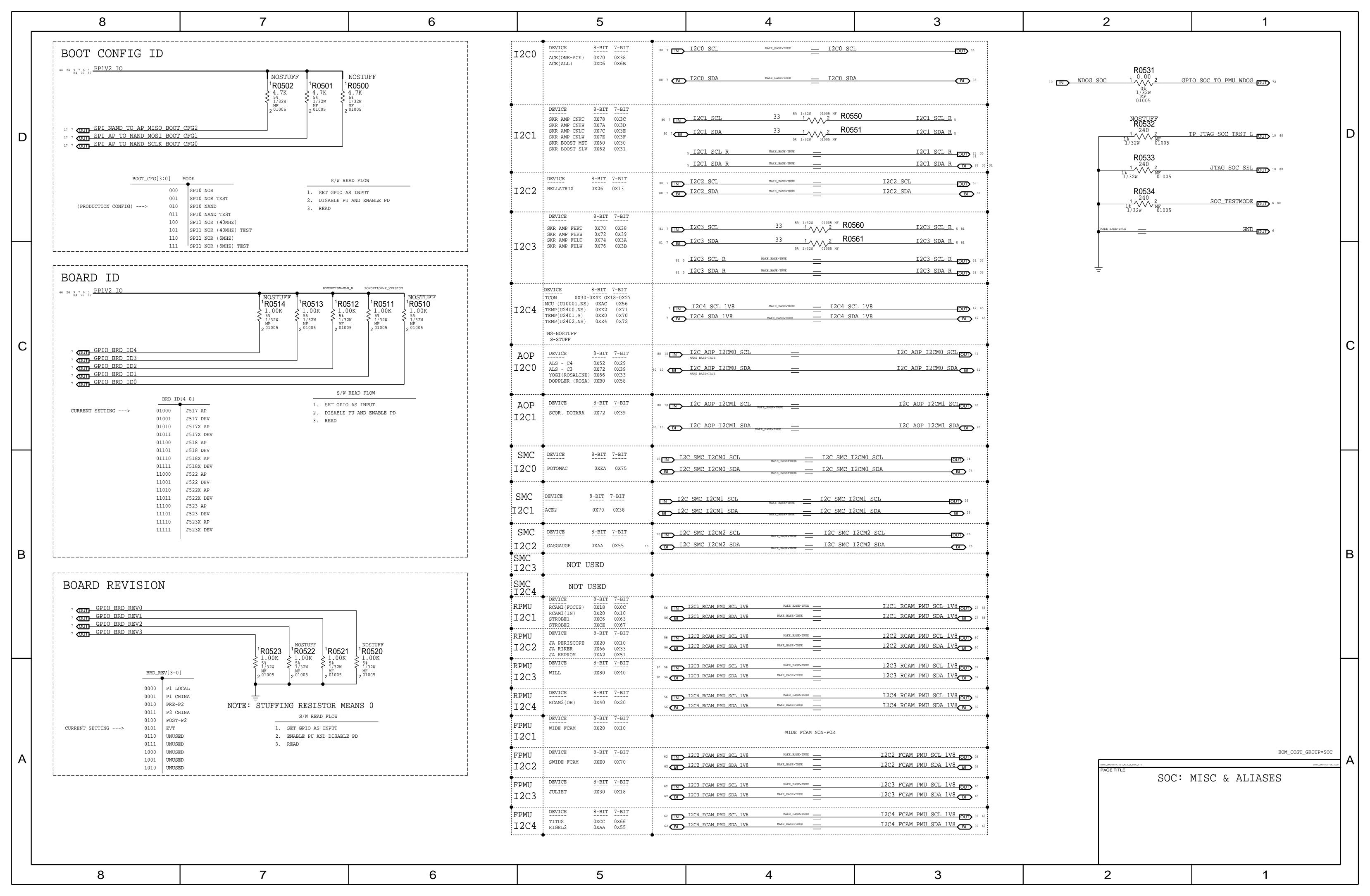
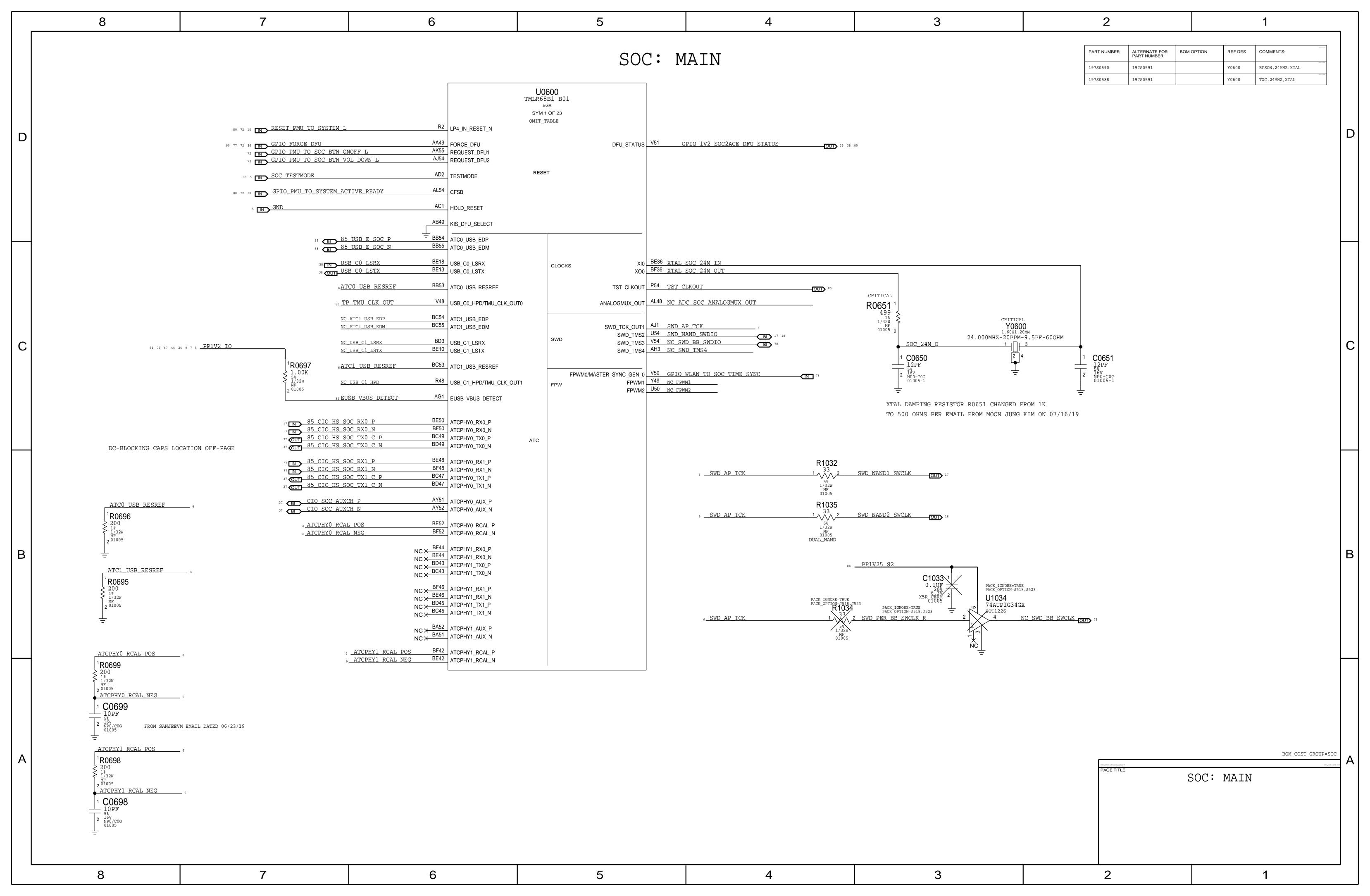
			8 7	7	6			5	4		3	2			1		
	2. ALL CAP	PACITAN	ICE VALUES ARE IN OHMS, 0.1 WATT +/- 5%. INCE VALUES ARE IN MICROFARADS. S & OSCILLATOR VALUES ARE IN HERTZ.					J517 MLB-A:	EVT CHI	NA		REV	ECN	DESCRIPTION OF REVIS	SION	DATE 2020-10-18	-
			LAST_MODIFICATION=Sun Oct 18 23:09:39	2020				LAST_MODIFICATION=Sun Oct 18 23:09:39 2	020								
	PAGE	CSA		SYNC	DATE		E CSA		SYNC	DATE							
	1	1	TABLE OF CONTENTS			53	56	SENSOR: KOBOL VT	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						ח
D	2	2	BLOCK DIAGRAM	J522_MLB_B_4.3.0	12/21/2019	. <u>54</u>	59	LDCM	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	<u>3</u> Д	3 	BOM TABLES: SOC/PMU/NAND  BOM TABLES: MECH/DISC/ETC	J517_MLB_B_REV_5.5	10/18/2020	55 - <u>56</u> 56	60 61	CAMERA: ADAMS REAR POWER (1/2)  CAMERA: ADAMS REAR IO (2/2)	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	<del></del> 5	 5	SOC: MISC & ALIASES	J522_MLB_B_4.3.0 J517_MLB_B_REV_5.5	10/18/2020	- <del>50</del> 57	62	CAMERA: JASPER POWER	J517_MLB_B_REV_5.5  J517_MLB_B_REV_5.5	10/18/2020							
	6	6	SOC: MAIN	J517_MLB_B_REV_5.5	10/18/2020	- <del>57</del> 58	65	CAMERA: B2B RCAM1 WIDE	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	7	7	SOC: I/OS	J517_MLB_B_REV_5.5	10/18/2020	59	66	CAMERA: B2B RCAM2 SWIDE	J517_MLB_B_REV_5.5	10/18/2020							
	8	8	SOC: LPDP & MIPI	J517_MLB_B_REV_5.5	10/18/2020	60	67	CAMERA: B2B JASPER	J517_MLB_B_REV_5.5	10/18/2020							
	9	9	SOC: PCIE	J517_MLB_B_REV_5.5	10/18/2020	61	68	CAMERA: ADAMS FRONT POWER (1/2)	J517_MLB_B_REV_5.5	10/18/2020							
	10	10	SOC: AOP	J517_MLB_B_REV_5.5	10/18/2020	62	69	CAMERA: ADAMS REAR IO (2/2)	J517_MLB_B_REV_5.5	10/18/2020							
	11	11	SOC: POWER (DDR, SRAM)	J517_MLB_B_REV_5.5	10/18/2020	63	74	NFC	J517_MLB_B_REV_5.5	10/18/2020							
	12	12	SOC: POWER (IO)	J517_MLB_B_REV_5.5	10/18/2020	64	76	GPM	J517_MLB_B_REV_5.5	10/18/2020							
	13	13	SOC: POWER (CPU, GPU)	J517_MLB_B_REV_5.5	10/18/2020	65	77	POWER: SIMETRA (1/3)	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	14	14	SOC: POWER (SRAM, SOC)	J517_MLB_B_REV_5.5	10/18/2020	66	78	POWER: SIMETRA (2/3)	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	<u>15</u>	15	SOC: GND	J517_MLB_B_REV_5.5	10/18/2020	67	79	POWER: SIMETRA (3/3)	J517_MLB_B_REV_5.5	10/18/2020							
			SOC: GND-2	J517_MLB_B_REV_5.5	10/18/2020	68	80	ORION CONNECTOR & POWER PATH	J517_MLB_B_REV_5.5	10/18/2020	_						
	17			J517_MLB_B_REV_5.5	10/18/2020	69			J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	18	19		J517_MLB_B_REV_5.5	10/18/2020	70	82		J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	19	21		J517_MLB_B_REV_5.5	10/18/2020	- <del>71</del>	83	POWER: SERA (3/4)	J517_MLB_B_REV_5.5	10/18/2020	<del></del>						
	20 21	22	TOUCH: LANAI MASTER  TOUCH: KONA SLAVE	J517_MLB_B_REV_5.5	10/18/2020	- <del>72</del> 73	84 85	POWER: SERA (4/4)  POWER: CHARGER	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	22		TOUCH: GRAPE CONN	J517_MLB_B_REV_5.5  J517_MLB_B_REV_5.5	10/18/2020	- <del>73</del> 74			J517_MLB_B_REV_5.5	10/18/2020							
						<u> </u>			J517_MLB_B_REV_5.5		<del></del>						
	23 24		TOUCH: SENSE & DRIVE ALIAS  CAMERA: PENROSE ADC	J517_MLB_B_REV_5.5  J517_MLB_B_REV_5.5	10/18/2020	75 - 76	87 89	POWER: BELLATRIX2 BOOSTS  POWER: BATTERY & ORION & SCORPIUS CONN	J517_MLB_B_REV_5.5  J517_MLB_B_REV_5.5	10/18/2020							
	25			J517_MLB_B_REV_5.5	10/18/2020	- <del>70</del> 77	90	SOC: DEBUG	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						
	26	28		J517_MLB_B_REV_5.5	10/18/2020	- <del>7.</del> 78	91	ALIASES: BB/WLAN/BT	J517_MLB_A_REV_3.0	10/18/2020	<u> </u>						
	27	29		J517_MLB_A_REV_3.0	10/18/2020	79	92	ALIASES: J517/J522 DIFF	J517_MLB_B_REV_5.5	10/18/2020	<del></del>						
	28	30	AUDIO: BORRIS BOOST	J517_MLB_B_REV_5.5	10/18/2020	80	93	TEST: TPS/MECH	J517_MLB_B_REV_5.5	10/18/2020							
	29	31	AUDIO: DMIC B2B & FILTERS	J517_MLB_B_REV_5.5	10/18/2020	81	94	TEST: TPS ADDITIONAL	J517_MLB_B_REV_5.5	10/18/2020	<del>_</del>						
	30	32	AUDIO: SPEAKER AMPS (CNL)	J517_MLB_B_REV_5.5	10/18/2020	82	95	TEST: EE TP/PP	J517_MLB_B_REV_5.5	10/18/2020							
	31	33	AUDIO: SPEAKER AMPS (CNR)	J517_MLB_B_REV_5.5	10/18/2020	83	98	TEST: DCR TABLE	J517_MLB_B_REV_5.5	10/18/2020							
В	32	34	AUDIO: SPEAKER AMPS (FHL)	J517_MLB_B_REV_5.5	10/18/2020	84	99	ALIASES: POWER	J517_MLB_B_REV_5.5	10/18/2020	<u> </u>						B
	33	35	AUDIO: SPEAKER AMPS (FHR)	J517_MLB_B_REV_5.5	10/18/2020	-											
	34	36	IO: ACE PERIPHERALS	J517_MLB_B_REV_5.5	10/18/2020	-											
	35	37	IO: IOFLEX B2B & SIM B2B	J517_MLB_B_REV_5.5	10/18/2020	-											
	36	38	IO: ACE USB-C CONTROLLER	J517_MLB_B_REV_5.5	10/18/2020	-											
	37	39		J517_MLB_B_REV_5.5	10/18/2020	-											
	38	40		J517_MLB_B_REV_5.5	10/18/2020	-											
	39	41		J517_MLB_B_REV_5.5	10/18/2020	-											
	40	42		J517_MLB_B_REV_5.5	10/18/2020	-											
	41	43		J517_MLB_B_REV_5.5	10/18/2020	-						SCI	AND BOA	RD P/N			
	42 43		DISPLAY: B2B CONN  DISPLAY: EDP SUPPORT	J517_MLB_B_REV_5.5	10/18/2020	-					PART#	QTY DESCRIPTION	REFEREN	CE DESIGNATOR(S) CRITICAL	BOM OPTION	TABLE, A, MICO	
	44	47		J517_MLB_B_REV_5.5  J517_MLB_B_REV_5.5	10/18/2020	-					051-0627	+ +		SCH1 CRITICAL		5644,4,00e	
			2DBL: B2B CONN	J517_MLB_B_REV_5.5	10/18/2020	-					820-0230	0 1 PCBF, MLB-A, NY, J517		PCB1 CRITICAL	1		
A			BOM Option		08/24/2020	-								TABLE OF CONTE	NTS	C_DATE=11/18/2019	<u> </u>
^			PERONI	J517_WIFI_MLB_REV_0.33		-							ASTER=J522_MLB_B_1.1 NG TITLE			C_DATE=11/18/2019	1 ~
			J517 5G rFEM (UAT)		08/24/2020	-								SCHEM, MLB-A, YN, J5	17		
	49	52	J517 5G rFEM (LAT)	J517_WIFI_MLB_REV_0.33	08/24/2020	-											
	-		2G4 rFEM (UAT)		08/24/2020	-					PACKAGING	OPTIONS					
			2G4 rFEM (LAT)	J517_WIFI_MLB_REV_0.33	08/24/2020	-					PACK_OPTIONS TO INC						
	52	55	J517 Front End	J517_WIFI_MLB_REV_0.33	08/24/2020	-											
	BOM_COST_GROUP	P=NO_COS	OST_ITEMS														
			8 7	7	6			5	4		3	2			1		
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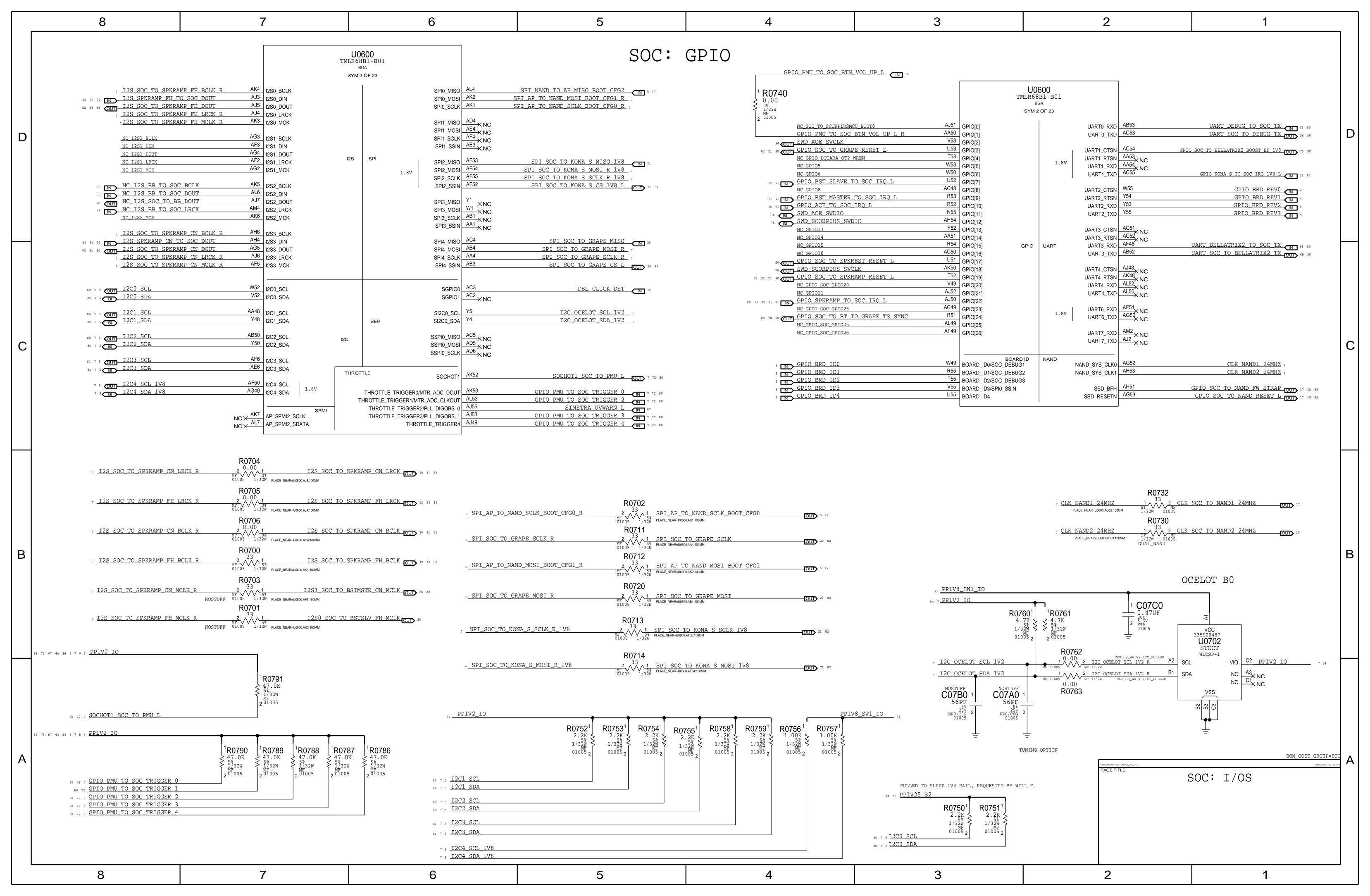


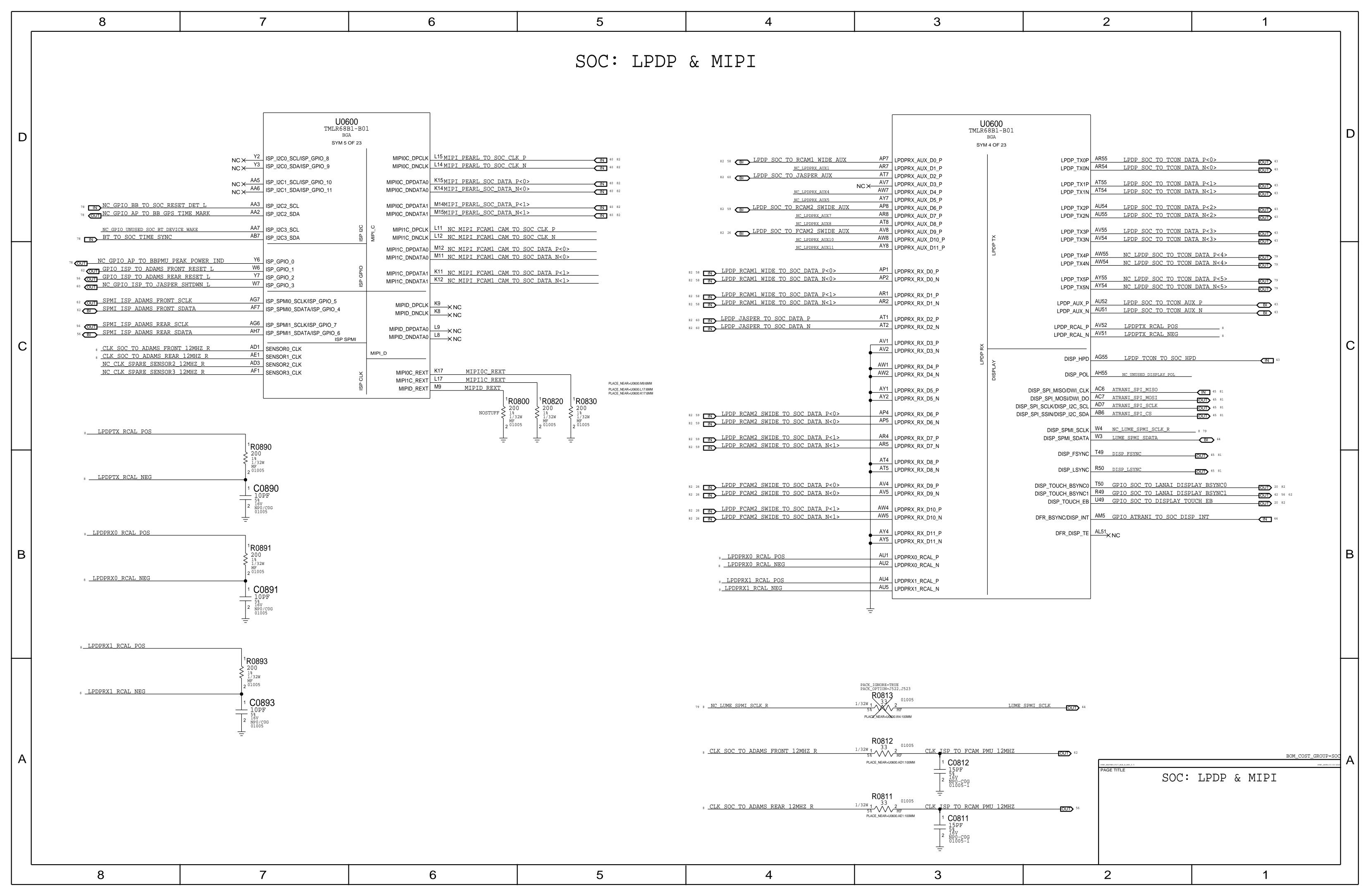


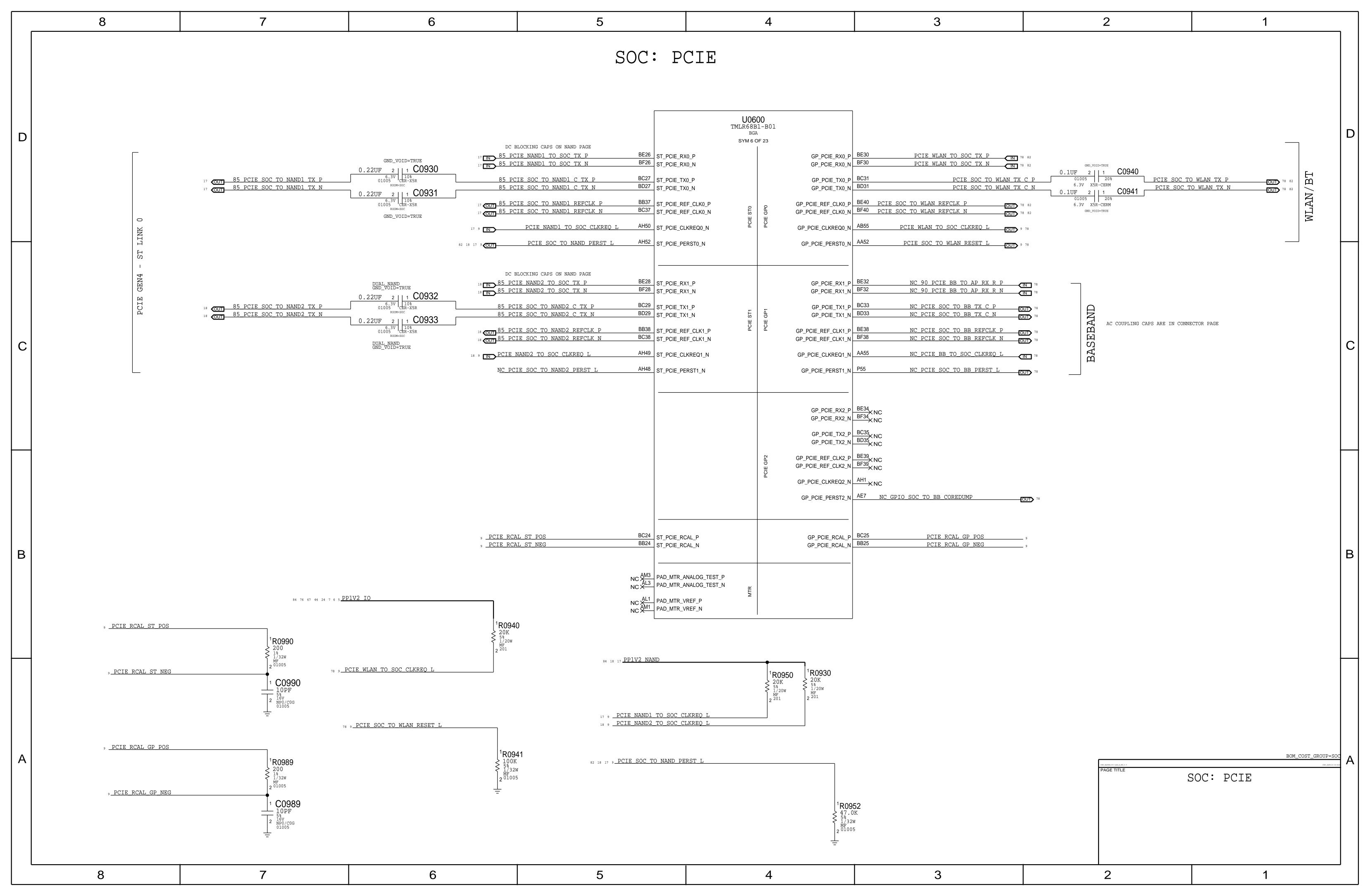
6 3 BOM TABLES: MECHANICAL, BARCODES, DISCRETES, ETC. CAPS INDUCTORS CKPLUS WAIVE TABLE ALTERNATE FOR PART NUMBER ALTERNATE FOR PART NUMBER PART NUMBER REFERENCE DESIGNATOR(S) **DESCRIPTION BOM OPTION** PART NUMBER REFERENCE DESIGNATOR(S) DESCRIPTION **BOM OPTION** REQUIRED CKPLUS RULE EXCEPTIONS SCHEMATIC DEFINED CONSTRAINTS (YES/NO) NO 138S00143 138S00144 C7740,ETC 22UF 4V KYOCERA 152S00963 152S00885 L77A0,L8490 0.47UH TAIYO YUDEN 138S00163 138S00144 C7740,ETC 22UF 4V TAIYO YUDEN 152S00964 L7741,ETC 152S00888 0.15UH TAIYO YUDEN MECHANICAL PARTS 132S00211 132S00092 C3204,ETC 270PF 16V KYOCERA 152S01003 152S00888 L7741,ETC 0.15UH SUNLORD TODO: ADD MECHANICAL PARTS TABLE FOR EVT 132S00212 132S00092 C3204,ETC 270PF 16V TAIYO YUDEN L3900 152S01090 152S01085 0.68UH 2016 CHIS. 132S00233 132S00014 C1144,ETC 0.22UF 6.3V 132S00304 132S00014 C1144,ETC 0.22UF 6.3V FERRITE BEADS BARCODE LABEL/EEEE CODES 138S00148 138S00149 C1220,ETC 15UF 4V KYOCERA ALTERNATE FOR PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) CRITICAL BOM OPTION REFERENCE DESIGNATOR(S) **BOM OPTION** PART NUMBER DESCRIPTION 138S00150 138S00149 C1220,ETC 15UF 4V SAMSUNG PART NUMBER 825-7691 EEEE FOR 639-11662 (MLB-A ULTIMATE) EEEE\_Q12Q CRITICAL EEEE:EEEE\_MLB\_A\_ULTIMATE 138S00149 15UF 4V TAIYO YUDEN 155S00593 FL2771,ETC 138S00151 C1220,ETC 155S0755 0.9 DCR TAIYO YUDEN 825-7691 EEEE\_Q12R EEE:EEEE\_MLB\_A\_SUPREME-TB 138S0732 138S0614 C2218,ETC 1UF 10V 0402 155S0664 155S00018 FL2748,ETC 0.18 DCR MURATA 825-7691 EEEE\_Q12J CRITICAL EEEE:EEEE\_MLB\_A\_SUPREME-HY 132S00088 132S0639 C2221,ETC 0.47UF 25V TAIYO YUNDEN 155S00097 155S00018 FL2748,ETC 0.17 DCR TDK 825-7691 EEEE FOR 639-11657 (MLB-A EXTREME-TB) EEEE\_Q12K CRITICAL EEE:EEEE\_MLB\_A\_EXTREME-TB 155S0513 138S0706 138S0739 C1215,ETC 1UF 10V 0201 MURATA 155S0660 FL2761,ETC 0.04 DCR MURATA 825-7691 EEEE\_Q12L CRITICAL EEEE FOR 639-11658 (MLB-A EXTREME-HY EEE:EEEE MLB A EXTREME-HY 138S0945 138S0739 C1215,ETC 1UF 10V 0201 KYOCERA 155S00194 155S00400 FL2602,ETC 0.69 DCR 01005 TDK 825-7691 EEEE FOR 639-11659 (MLB-A PRIME-TB) EEEE\_Q12M CRITICAL EEEE:EEEE\_MLB\_A\_PRIME-TB 131S00118 180PF 50V TAIYO YUDEN 155S0686 FL2102,ETC 131S00299 C3334,ETC 155S00616 0.7 DCR 01005 TDK 825-7691 EEEE\_Q12N CRITICAL 155S0876 128S00094 128S00067 C77DF,ETC 150UF 6.3V TOKIN 155S00414 FL1800,ETC 0.05 DCR 01005 TDK 825-7691 EEEE FOR 639-11661 (MLB-A DOUBLE-PRIME-HY) EEEE\_Q12P CRITICAL EEEE:EEEE\_MLB\_A\_DOUBLE-PRIME-HY 128S00069 128S00067 C77DF,ETC 150UF 6.3V ROHM 138S00215 138S1068 C2350,ETC 4.7UF 16V TAIYO YUDEN MOSFETS 131S00164 C1232,ETC 131S00172 220PF 16V KYOCERA ALTERNATE FOR PART NUMBER REFERENCE DESIGNATOR(S) DESCRIPTION **BOM OPTION** PART NUMBER 131S00173 131S00164 C1232,ETC 220PF 16V TAIYO YUDEN 376S00319 376S00104 Q2201 DIODES 131S00142 131S00019 C3236,ETC 150PF 50V 0201 Q8580 376S00182 376S00126 DIODES 131S0730 131S0831 C40A7 15PF 50V 0201 376S00126 Q8580 376S00071 DIODES 138S00139 138S00138 C12D1,C12F0 4UF 4V MURATA 376S00314 376S00125 Q8051 DIODES 138S00164 138S00138 C12D1,C12F0 4UF 4V TAIYO YUDEN 376S00182 376S00070 Q8581 DIODES 138S00084 138S00060 C8563,ETC 47UF 6.3V TAIYO YUNDEN 376S00119 Q8000 376S00190 DIODES 131S00313 131S0824 C4632 330PF 25V TAIYO YUNDEN 376S1102 376S1245 Q6260,ETC DIODES 132S00175 132S00202 C4000,ETC 0.22UF KYOCERA ONLY 0.1UF 01005 TAIYO 132S00154 132S0683 C6352,ETC DIODES 138S0641 138S0700 C2206,ETC 2.2UF 10V 0402 TAIYO ALTERNATE FOR PART NUMBER PART NUMBER REFERENCE DESIGNATOR(S) DESCRIPTION **BOM OPTION** 132S0316 132S00107 C3828, C3829 .1UF 6.3V 01005 TAIYO 220PF 16V 01005 MURATA 131S00164 131S00172 C2711,C2713 371S00133 371S00046 D8710 DIODES 131S00173 131S00172 C2711,C2713 220PF 16V 01005 TAIYO 371S00318 DZ8051 NXP 371S0685 138S00048 138S00003 C6000,ETC. 15UF 6.3V 0402 KYOCERA 377S0155 377S0184 DZ4014,ETC ONSEMI 138S0888 138S00003 C6000,ETC. 15UF 6.3V 0402 TAIYO 371S00190 D3800 371S00085 DIODES 138S00020 10UF 6.3V 0402 TAIYO 138S0711 C8513 NTCS 128S00093 128S00009 C3034,ETC. 33UF 16V TOKIN ALTERNATE FOR PART NUMBER 128S00103 128S00009 C3034,ETC. 33UF16V SAMSUNG REFERENCE DESIGNATOR(S) PART NUMBER DESCRIPTION **BOM OPTION** 132S00199 0.1UF 10V 01005 TAIYO 132S00200 C77E2,ETC. 107S00298 107S0208 R8422 ETC. TDK 10K NTC 132S00204 132S00199 C77E2,ETC. 0.1UF 10V 01005 KYO. LEVEL TRANSLATOR 132S00064 132S0409 C3207,ETC. 0.1UF 16V 0201 MUR. 132S00262 132S0664 C2228,ETC. 0.047UF 25V 0201 KYO. ALTERNATE FOR PART NUMBER **BOM OPTION** PART NUMBER REFERENCE DESIGNATOR(S) DESCRIPTION 132S00263 132S0664 C2228,ETC. 0.047UF 25V 0201 YAG. 311S00212 311S00230 U2370,U4030 TI SINGLE UNI. LT 138S00071 C7993,ETC 138S00117 4UF 6.3V KYOCERA 138S00116 138S00071 C7993,ETC 4UF 6.3V TAIYO 138S00128 138S00133 C3801,ETC .47UF 6.3V 01005 KYO. 138S00269 138S00133 C3801,ETC .47UF 6.3V 01005 TY 138S00164 138S00139 C1200,ETC 4UF 4V 0201 TY 138S00141 C2858,ETC 138S00140 3.9UF 6.3V 0201 KYO. 138S00211 138S00242 C4633,ETC 6.8UF 6.3V 0402 MUR. 138S00049 138S0831 C1141,ETC 2.2UF 6.3V 0201 KYO. 138S00056 138S1100 C1310,ETC 10UF 4V 3-TERM TY. 138S00101 138S00095 C3800,ETC 25UF 6.3V 0402 TY. 138S00107 C7820,ETC 138S00229 20UF 10V 0402 KYO. 138S00221 138S00146 C4197,ETC 18UF 6.3V 0402 KYO. 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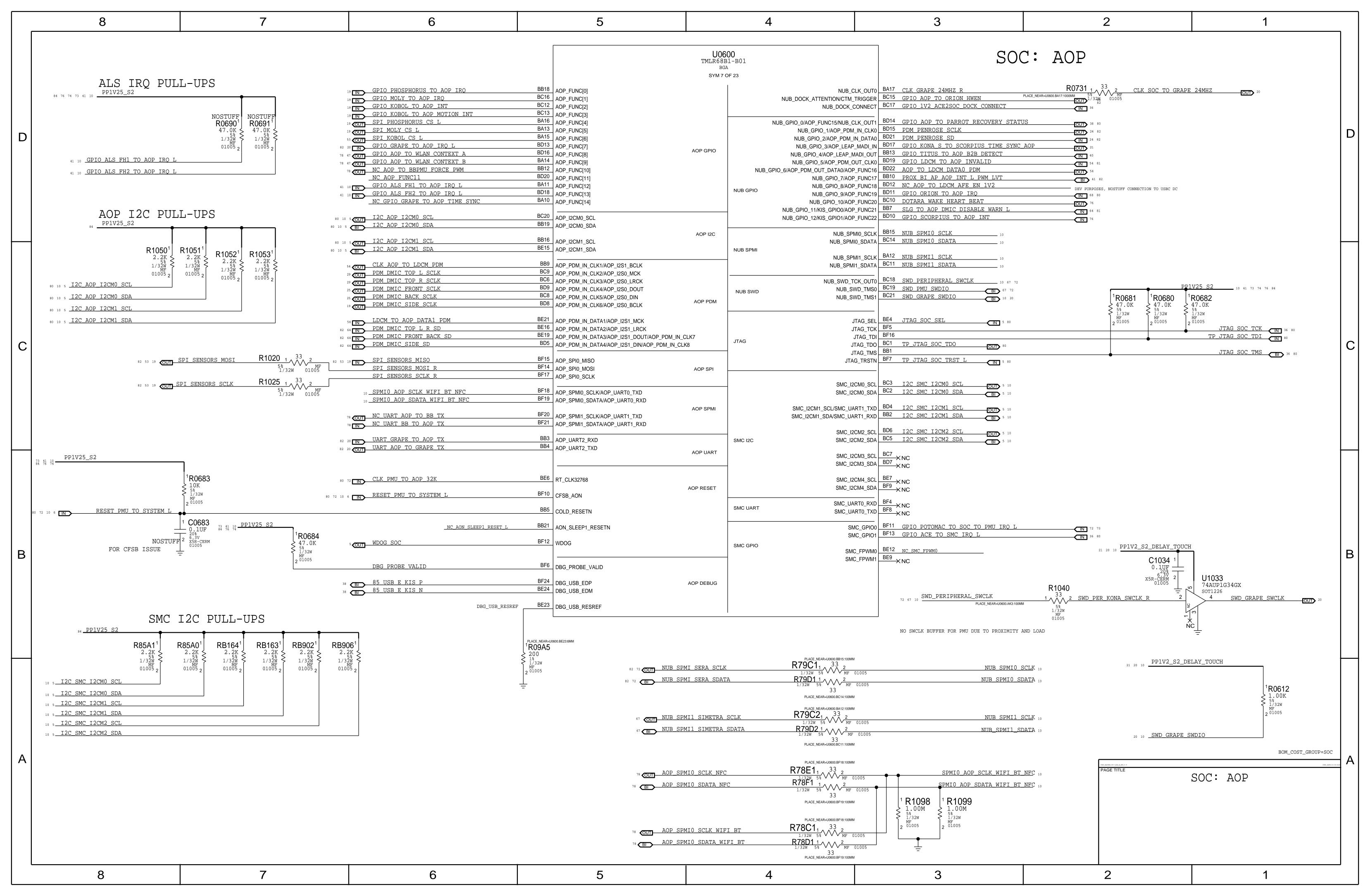


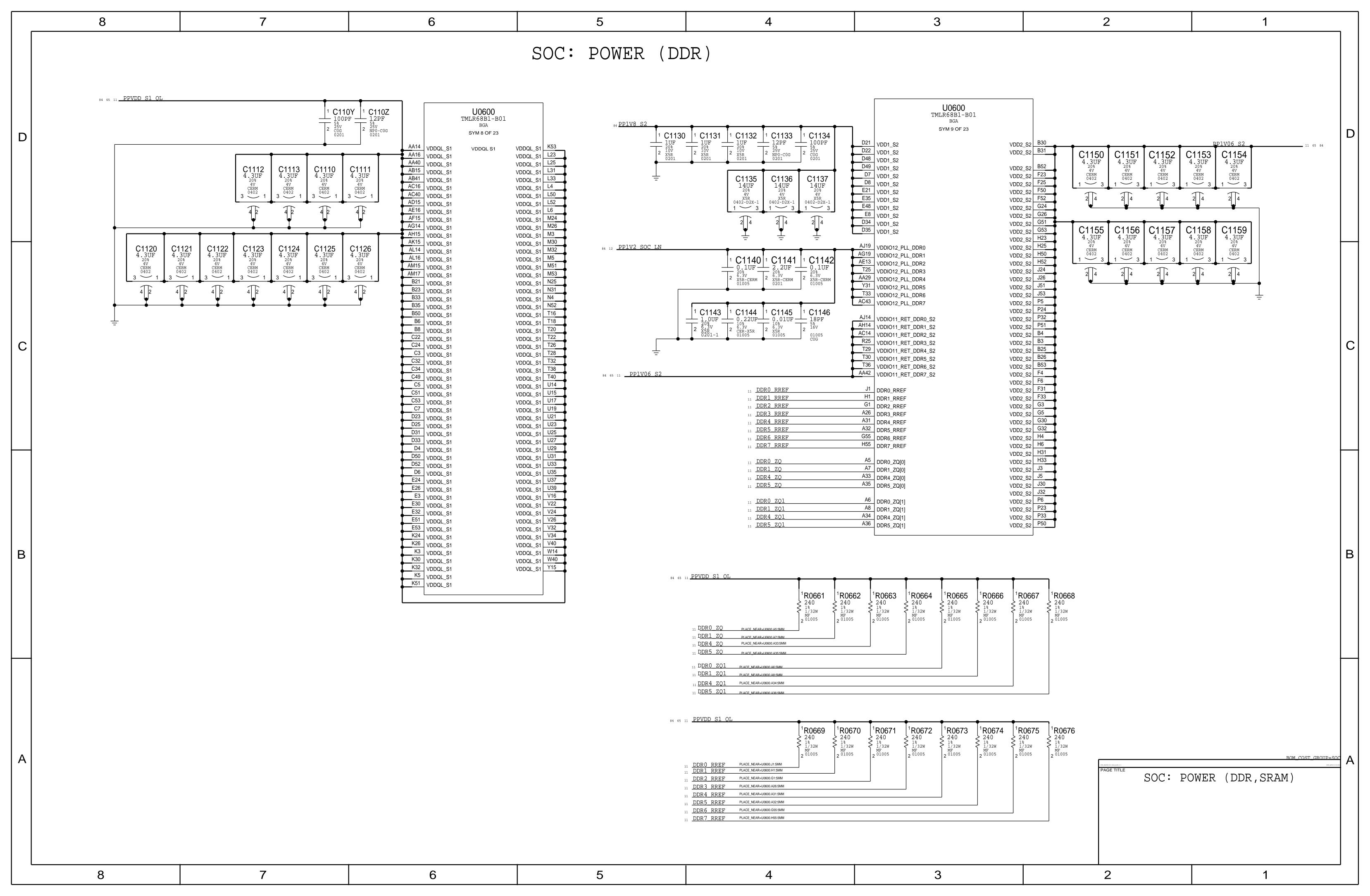


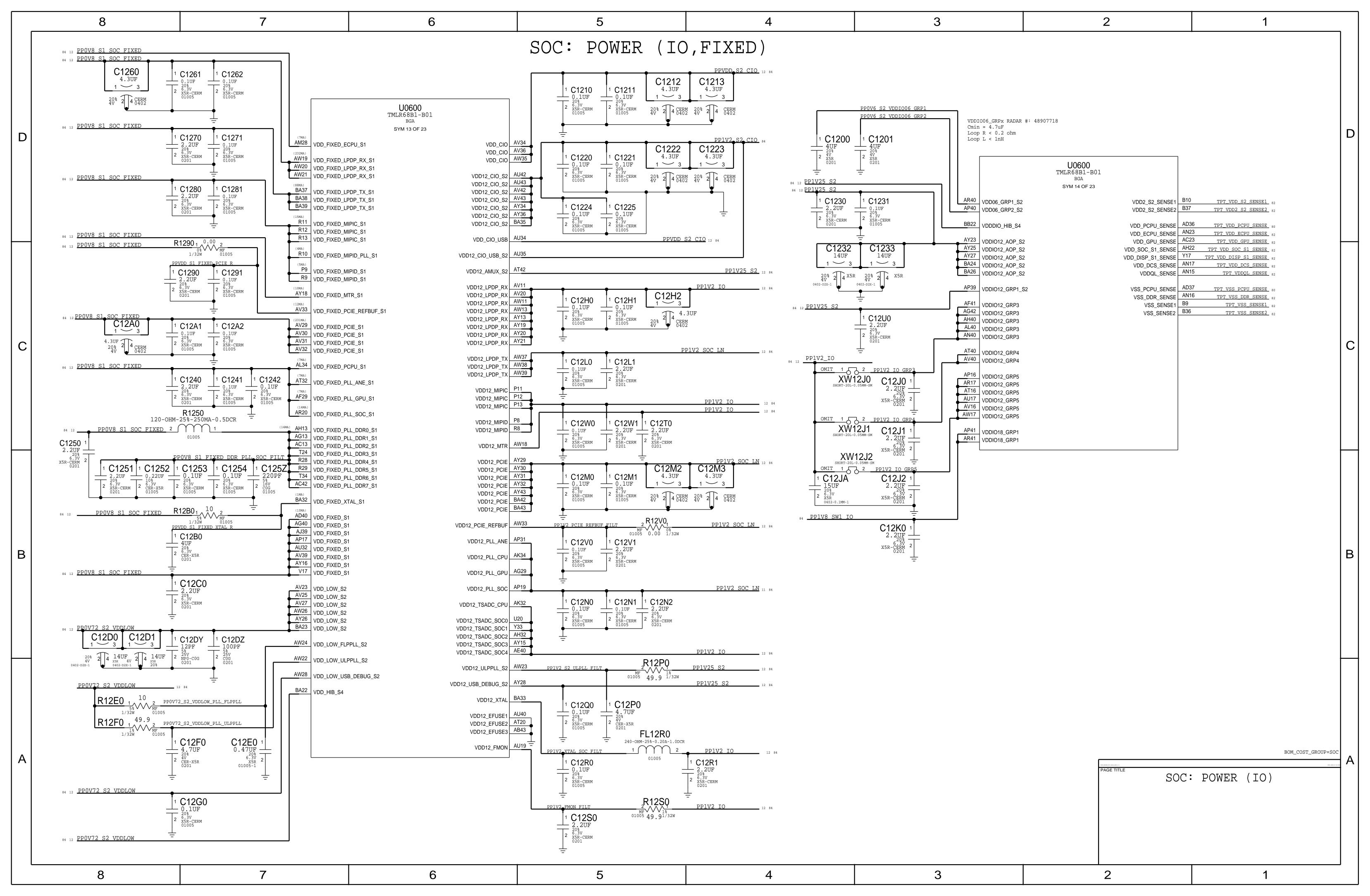


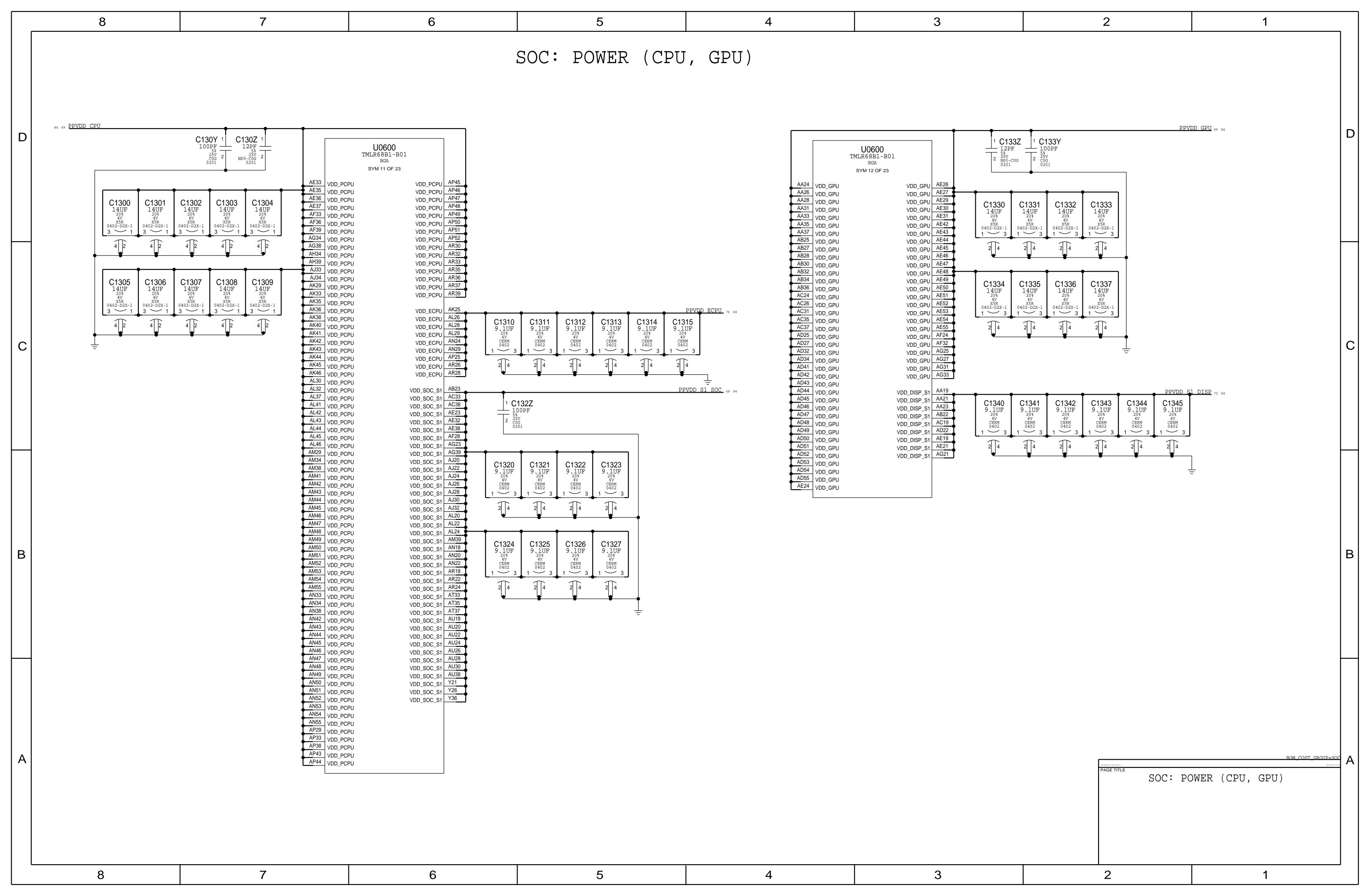


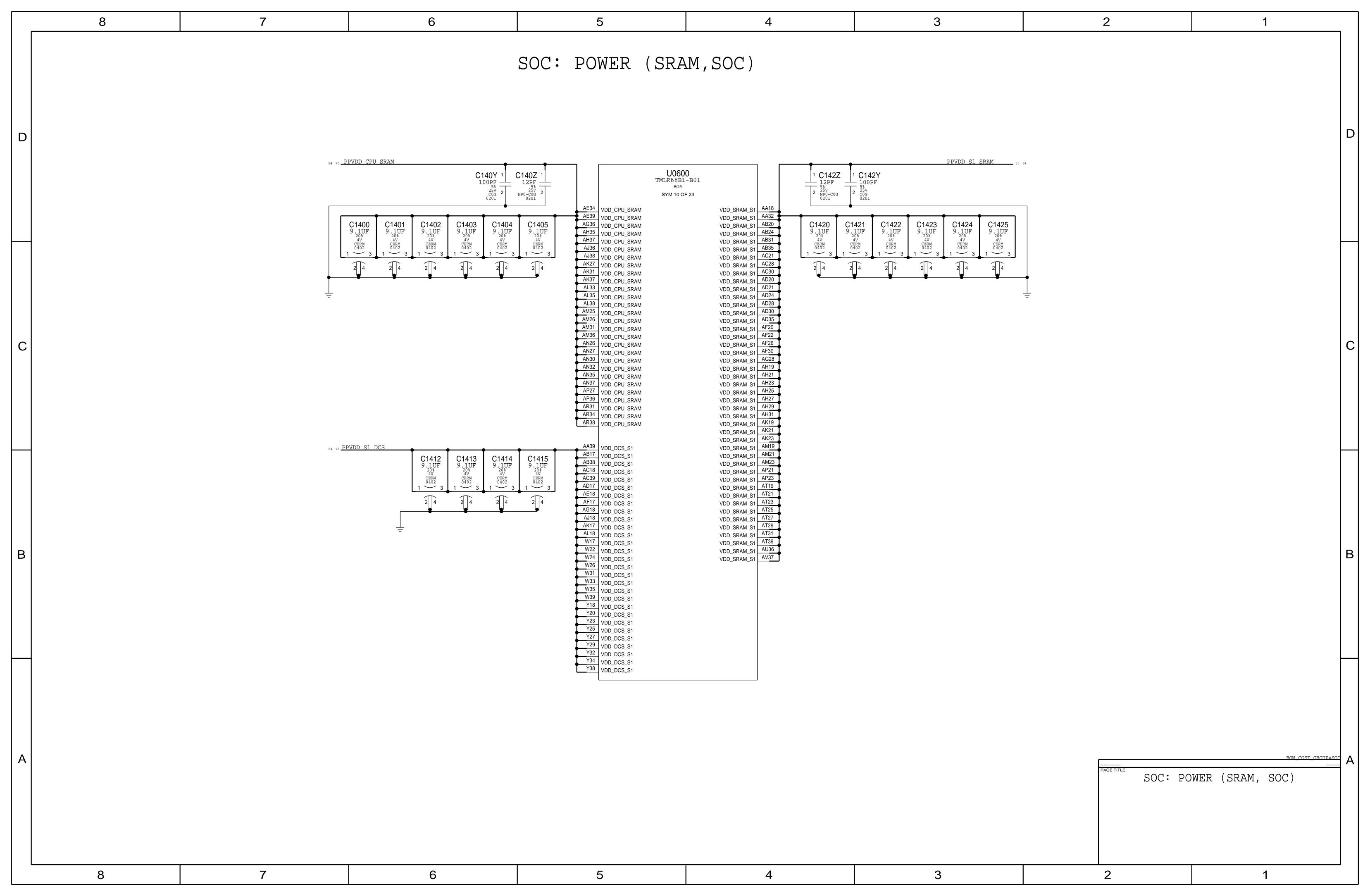


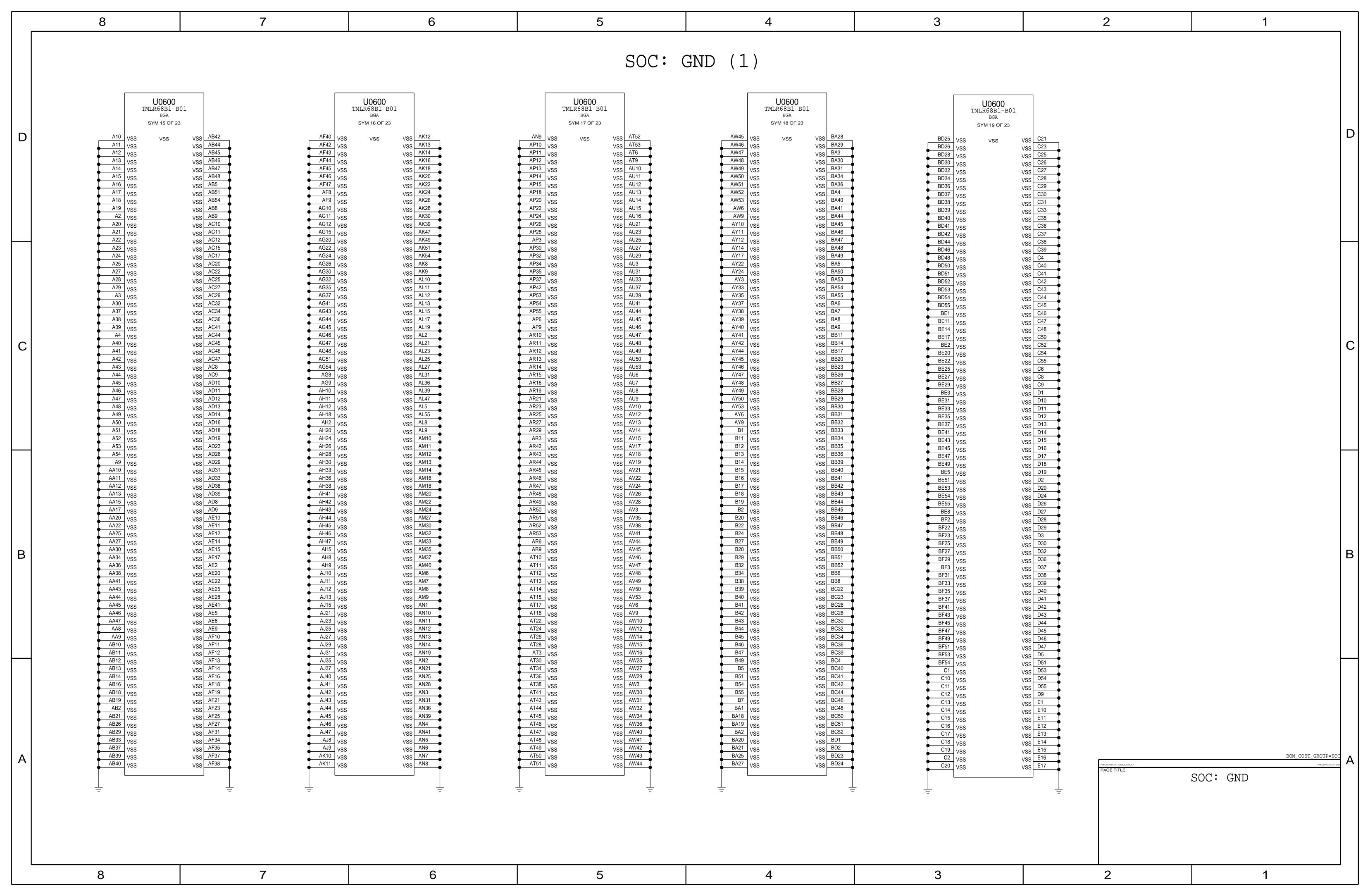


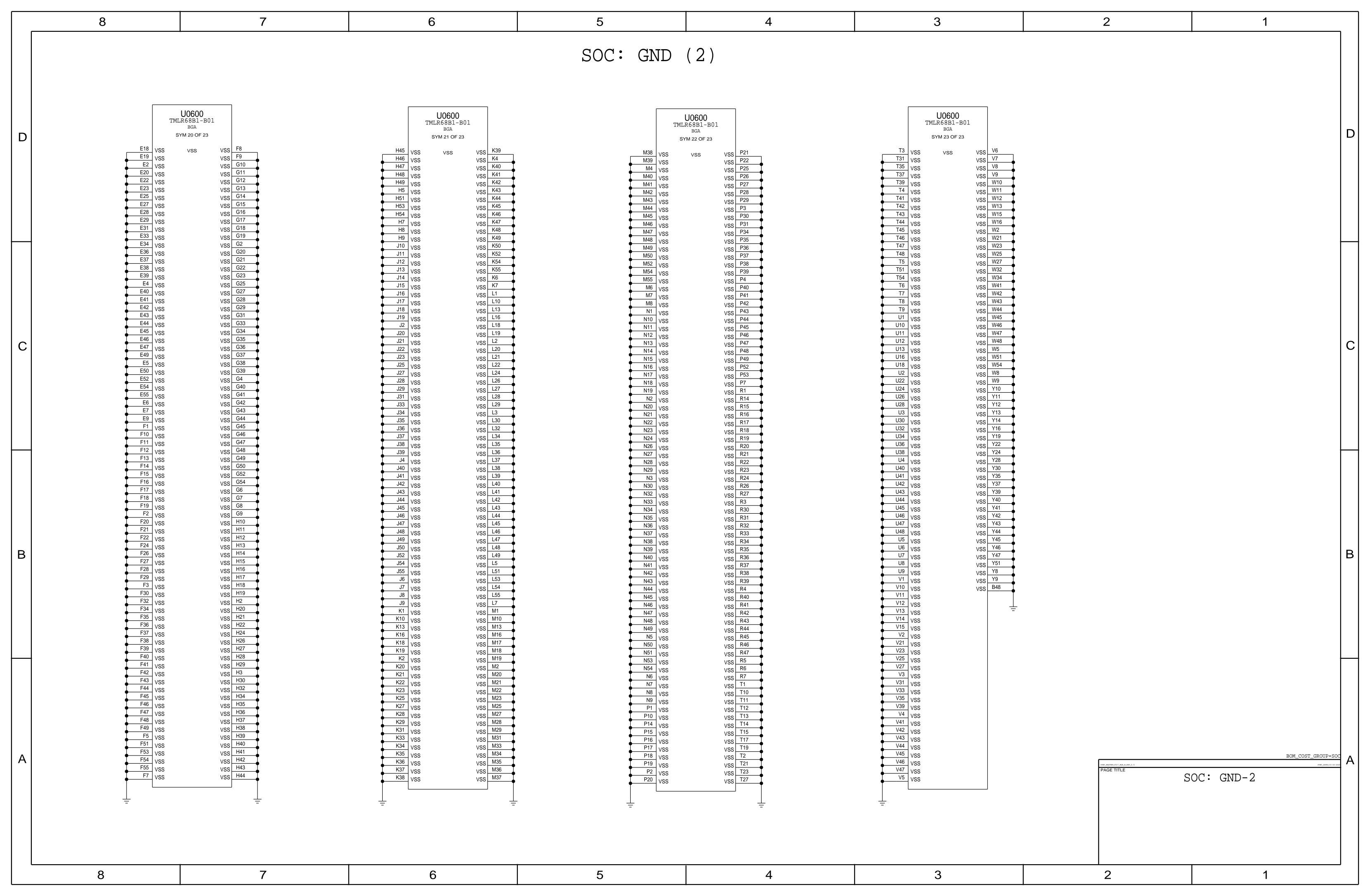


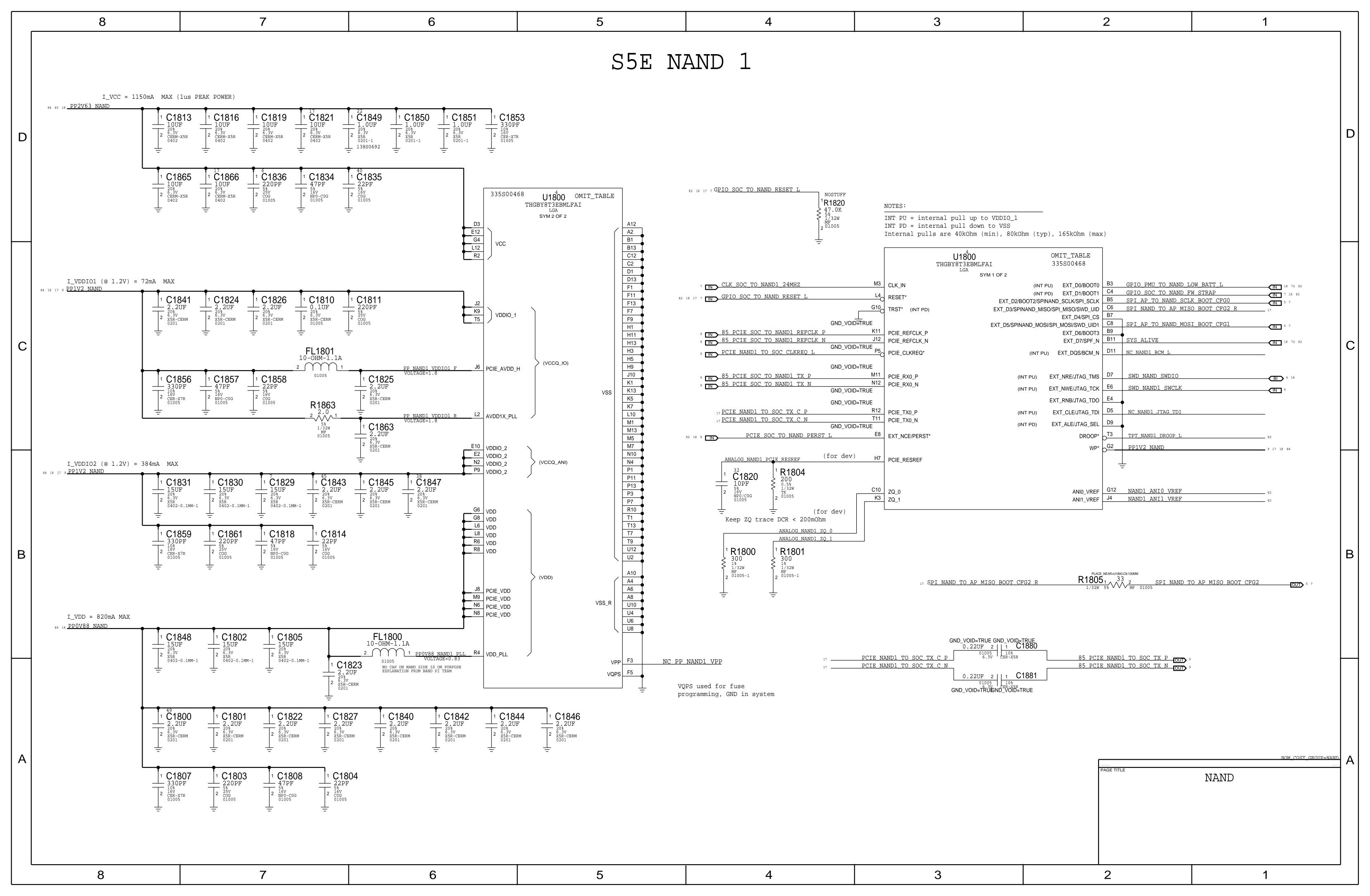


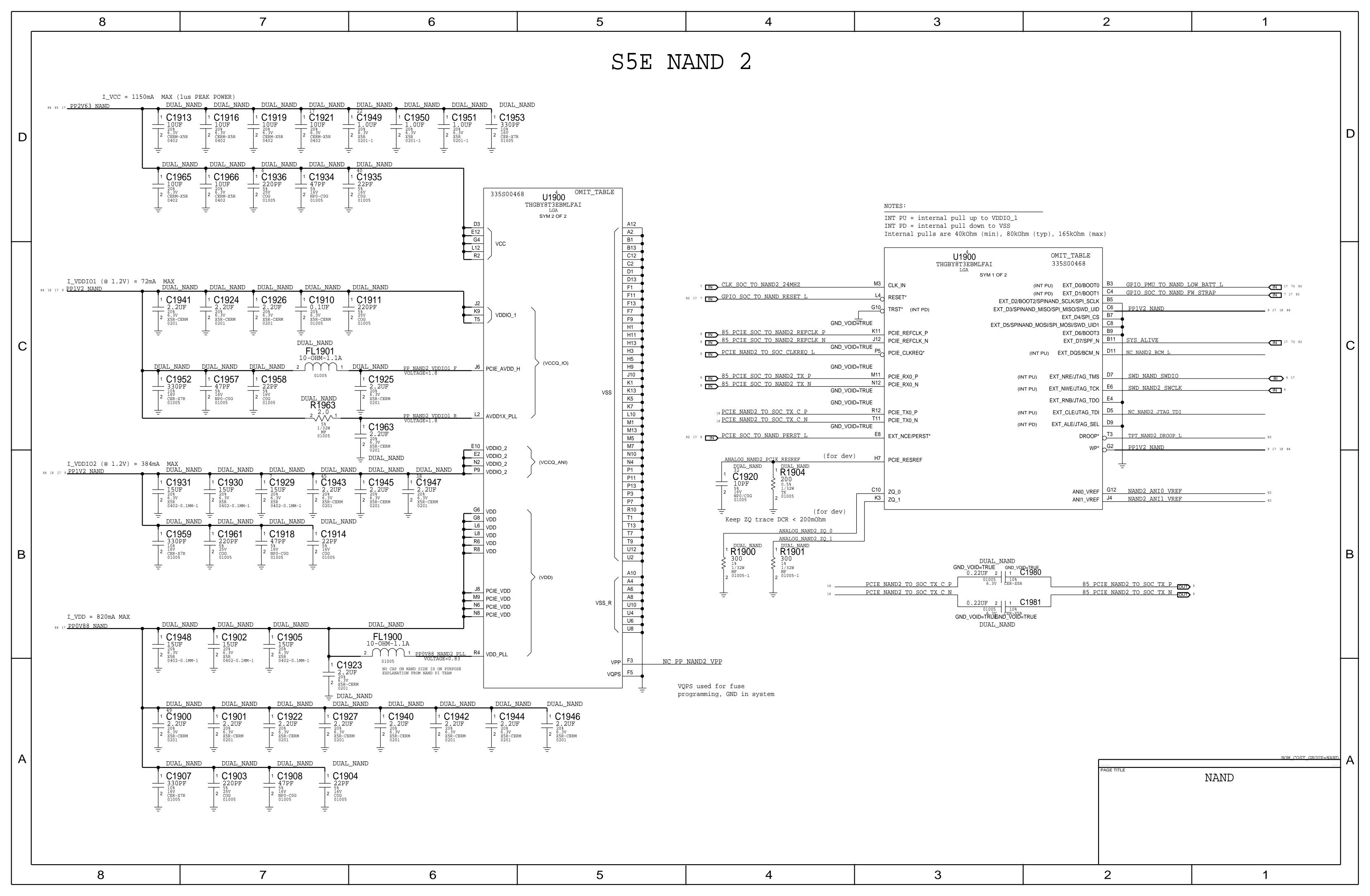


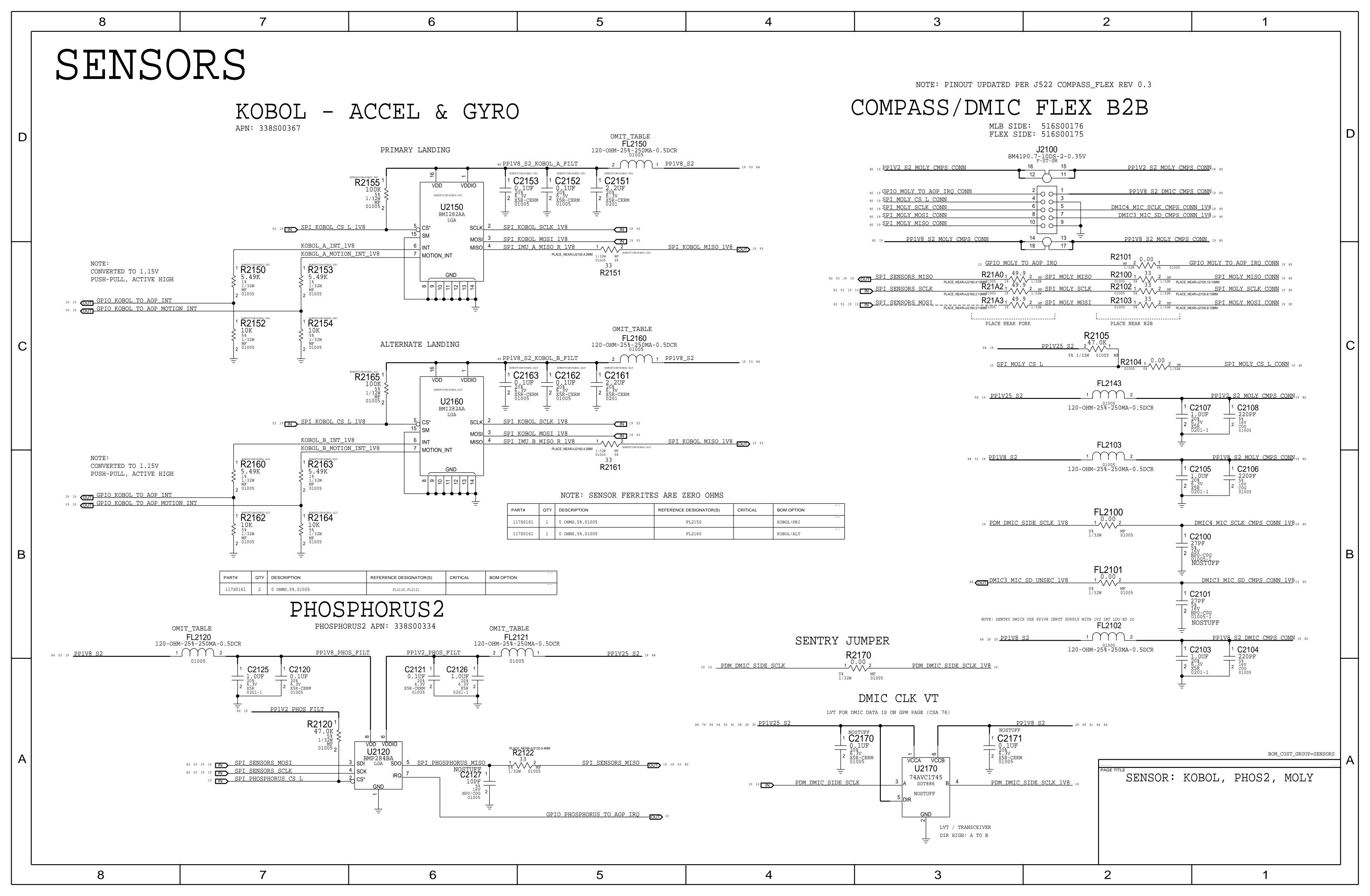


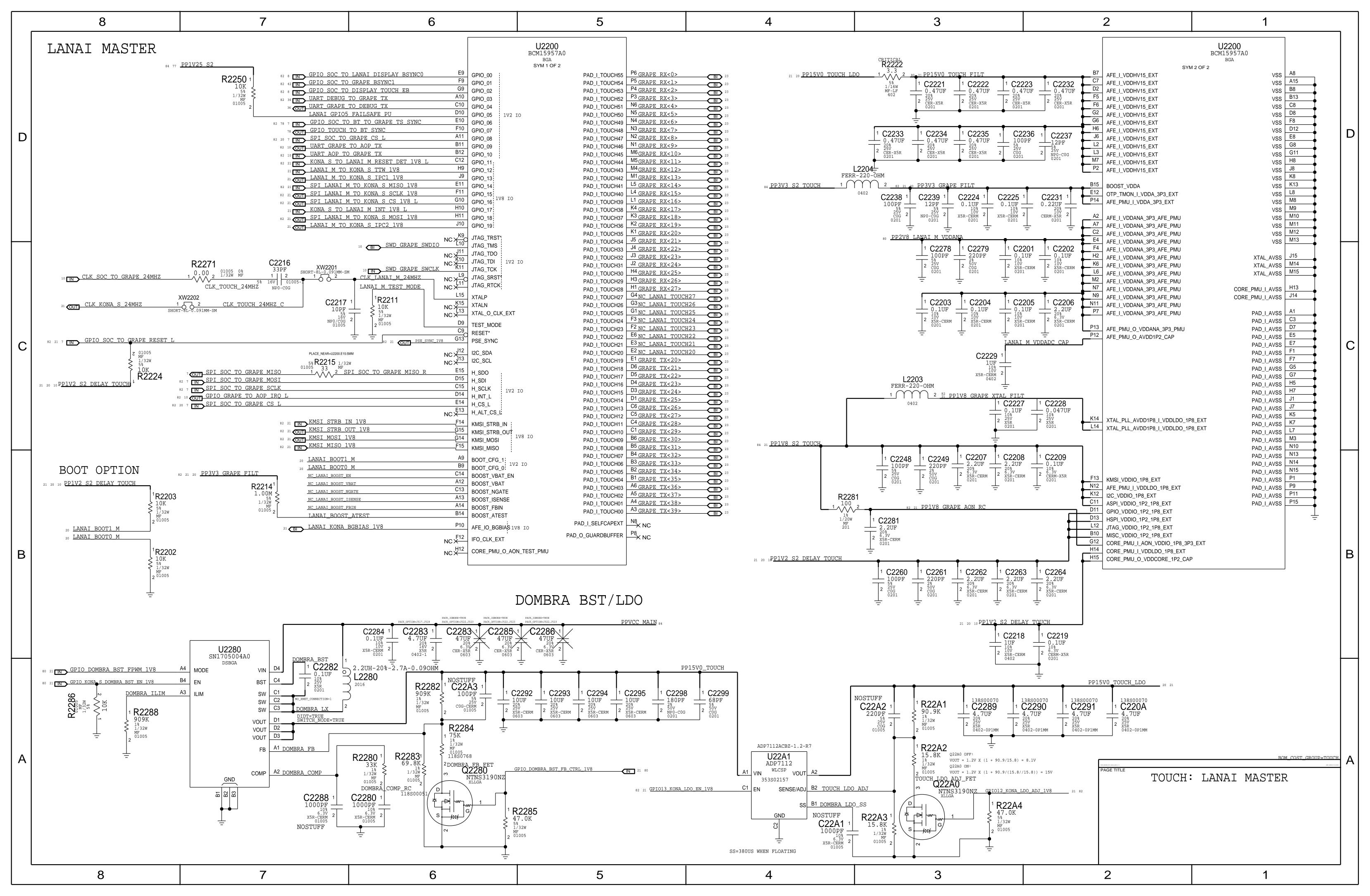


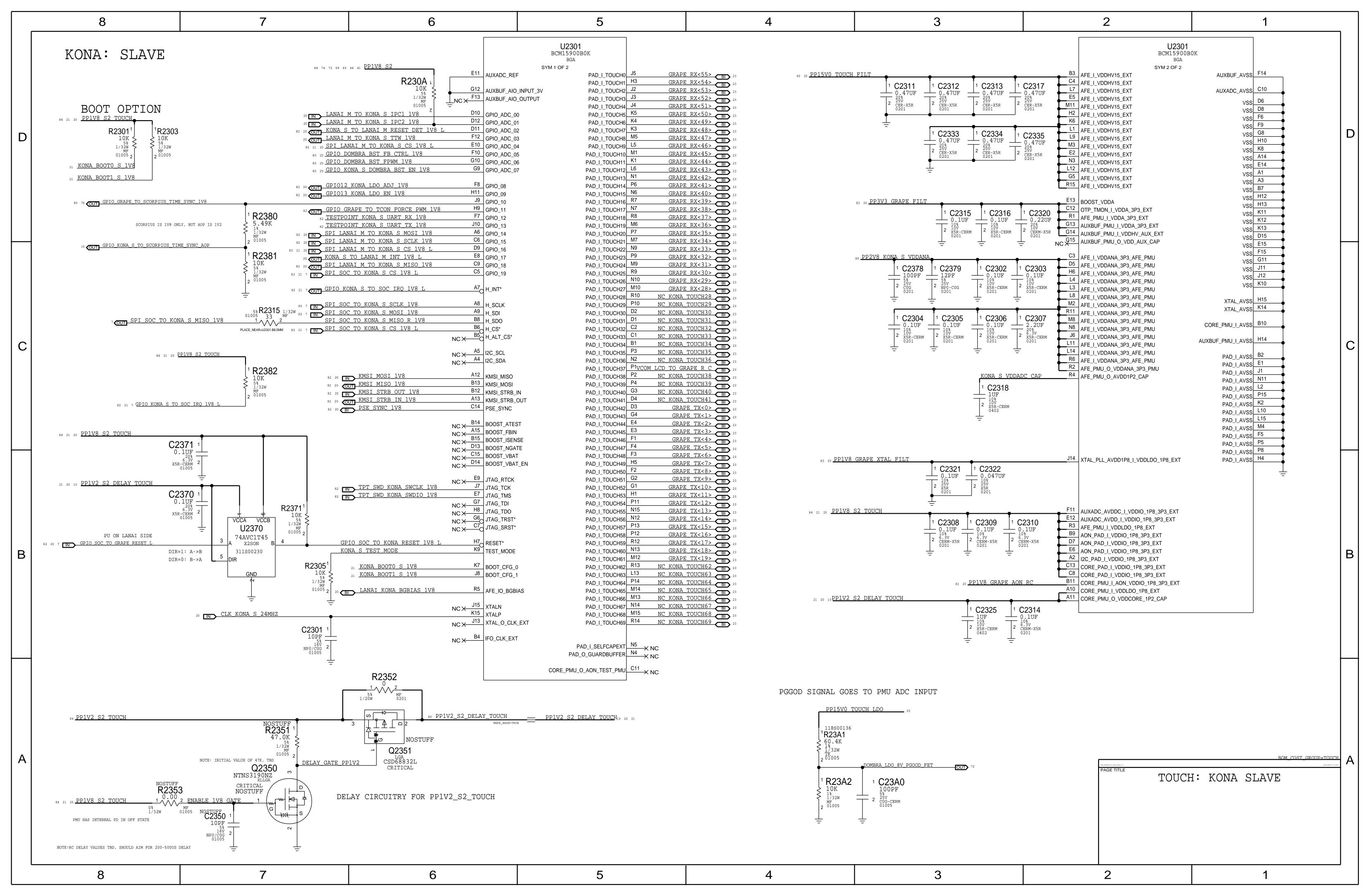


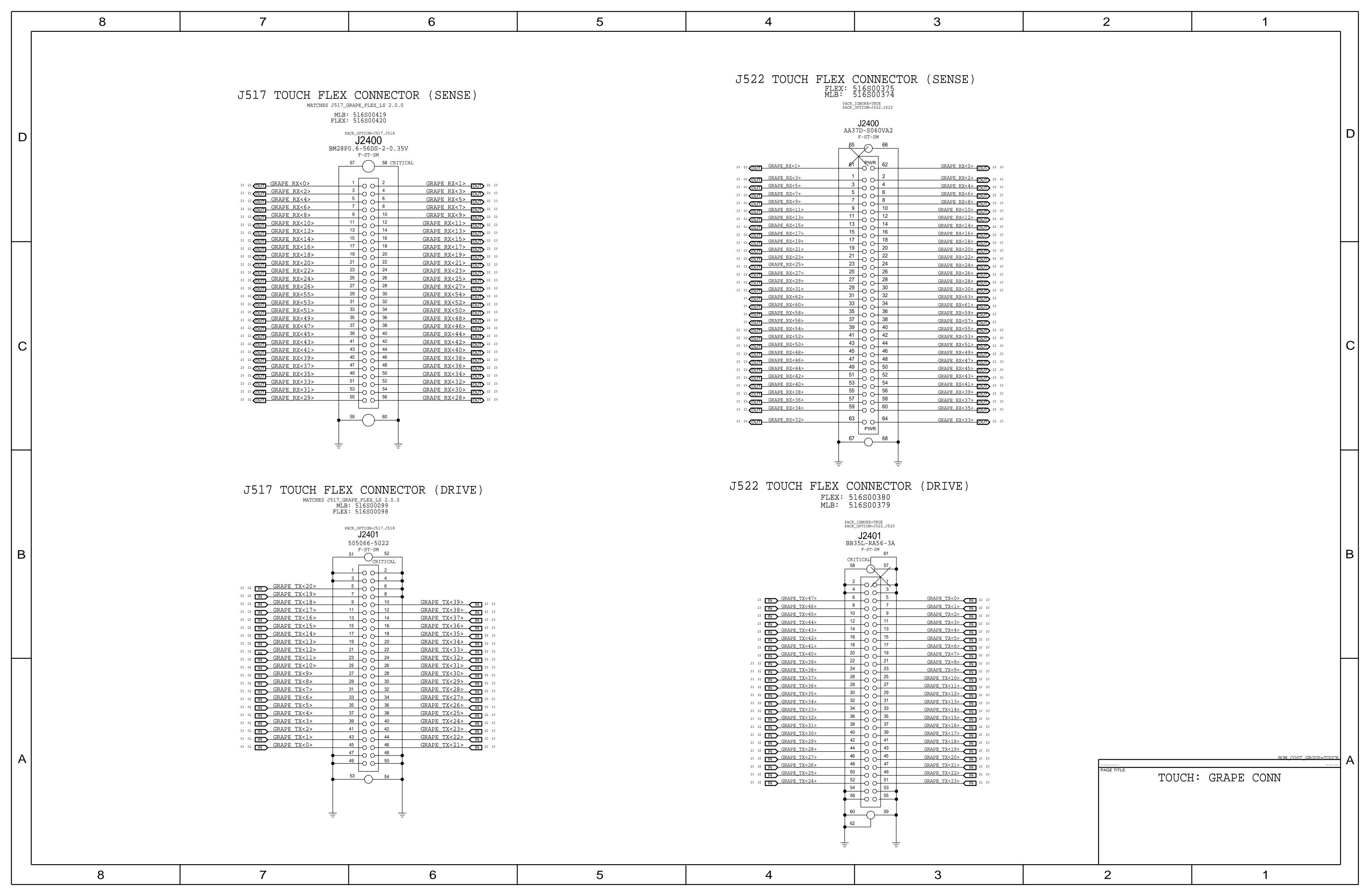












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J517 LANAI R	X/TX ALIAS	J517 KONA RX/TX ALI.	AS	J522 LANAI R	X/TX ALIAS	J522 KONA RX/TX ALIAS			
D	GRAPE RX<0>  MME_BOSE-TRUE    CRAPE RX<1>   MAGE_BOSE-TRUE   N	GRAPE RX-555	MAKE_BASE=TRUE	B	GRAPE RX C10  GRAPE RX C2  GRAPE RX C3  GRAPE RX C4  MOLEMAN MARCH	B	GRAPE RX<62> MAIL AND-THOM		
A		COG-CERN 01005	M			SYNC_MASTER=J517_MLB_B_REV_5.5  PAGE TITLE  TOUCH:	BOM_COST_GROUP=TOUCH SYNC_DATE=10/18/2020  SENSE & DRIVE ALIAS		
8	7	6	5	4	3	2	1		

