

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.															
X941 MLB SCHEMATIC															
LAST_MODIFICATION=Wed Jan 10 14:52:52 2018															
REV		ECN		DESCRIPTION OF REVISION										CK APPD DATE	
4		0010936498		ENGINEERING RELEASED										2018-01-10	
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2		2		BOM Configuration		SHART_J44		11/27/2012		62		65		Audio Right Amplifiers	
3		3		BOM Configuration		J79_JACK		04/07/2016		63		66		Audio Flex Connectors	
4		4		PD Parts		J79A_MLB		01/31/2017		64		67		Keyboard & Trackpad 1	
5		5		CPU GFX		J132_JIN		05/09/2017		65		68		Keyboard & Trackpad 2	
6		6		CPU MISC/JTAG/CFG/RSVD		J132_JIN		05/09/2017		66		69		DC-In & Battery Connectors	
7		7		CPU LPDDR3 Interface		J132_GAREN		02/03/2017		67		70		PBUS Supply & Battery Charger	
8		8		CPU & PCH Power		J132_JIN		06/06/2017		68		71		CORE & SA IMVP IC	
9		9		CPU & PCH Grounds		J132_GAREN		02/03/2017		69		72		CORE & SA IMVP POWER BLOCK	
10		10		CPU Core Decoupling		T290_CARE_CFL_U		03/15/2017		70		74		GT & GTX IMVP POWER BLOCK	
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12		12		PCH Decoupling		J132_JIN		04/28/2017		72		76		Power - 5V 3.3V Supply	
13		13		PCH Audio/LPC/SPI/SMBus		J132_JIN		05/09/2017		73		77		Power - EOPIC EDRAM Supply	
14		14		PCH Power Management		T290_CARE_CFL_U		03/09/2017		74		78		PMIC BUCKS AND SWs	
15		15		PCH PCIE/USB/CLKS		J132_JIN		06/12/2017		75		79		PMIC LDOs	
16		16		PCH SPI/UART/GPIO		J132_JIN		04/28/2017		76		80		PMIC GPIOs & Control	
17		18		CPU/PCH Merged XDP		J132_JIN		05/09/2017		77		81		Power - VDDQ VCCIO Supply	
18		19		Chipset Support 1		J132_JIN		06/05/2017		78		82		Power FETs	
19		20		Chipset Support 2		J132_JIN		09/05/2017		79		84		LCD Backlight Driver	
20		22		LPDDR3 VREF Margining		J79A_MLB		01/31/2017		80		85		eDP Display Connector	
21		23		LPDDR3 DRAM Channel A (00-31)		J79A_MLB		01/31/2017		81		86		S4E<0>	
22		24		LPDDR3 DRAM Channel A (32-63)		J79A_MLB		01/31/2017		82		87		S4E<1>	
23		25		LPDDR3 DRAM Channel B (00-31)		J79A_MLB		01/31/2017		83		88		S4E<2>	
24		26		LPDDR3 DRAM Channel B (32-63)		J79A_MLB		01/31/2017		84		89		S4E<3>	
25		27		LPDDR3 DRAM Termination		J79A_MLB		01/31/2017		85		90		OCARINA PMIC & NAND VCC VR	
26		28		USB-C HIGH SPEED 1		T290_CARE-CPU-CNL09/09/2017				86		96		SSD Support	
27		29		USB-C HIGH SPEED 2		J680_MLB		03/30/2017		87		98		Display Mux	
28		30		USB-C Support		J132_RUENJOU		04/24/2017		88		110		USB-C HIGH SPEED 1	
29		31		USB-C PORT CONTROLLER A		J680_MLB		03/30/2017		89		111		USB-C HIGH SPEED 2	
30		32		USB-C PORT CONTROLLER B		J680_MLB		03/30/2017		90		112		USB-C Support	
31		33		USB-C CONNECTOR A		J132_RUENJOU		03/22/2017		91		113		USB-C PORT CONTROLLER A	
32		34		USBC X Connector Support		J140_MLB		04/03/2017		92		114		USB-C PORT CONTROLLER B	
33		35		TBT 5V REGULATOR		J132_JIN		08/24/2017		93		115		USB-C CONNECTOR A	
34		36		WIFI/BT: Support		J132_JACK		05/30/2017		94		116		USBC T Connector Support	
35		37		WIFI/BT: MODULE 1		J132_METE		09/22/2017		95		117		TBT 5V REGULATOR	
36		38		WIFI/BT: MODULE 2		J132_METE		08/23/2017		96		120		Power Aliases - 1	
37		39		SoC GPIO/SEP/USB/DDR/Test		T290_BIGSUR		06/14/2017		97		121		Power Aliases - 2	
38		40		SoC AOP/AON/SMC		T290_BIGSUR		06/14/2017		98		122		Signal Aliases	
39		41		SoC ISP/I2C/UART/SPI/I2S		T290_BIGSUR		05/26/2017		99		123		LPDDR3 Bit & Byte Swizzle	
40		42		SoC PCie		T290_BIGSUR		03/15/2017		100		124		ICT FCT 1	
41		43		SoC Power 1		T290_BIGSUR		03/29/2017		101		125		ICT FCT 2	
42		44		SoC Power 2		T290_BIGSUR		01/31/2017		102		127		Desense Capacitors 1	
43		45		SoC Power 3		T290_BIGSUR		08/15/2017		103		140		Dev Support 1	
44		46		SoC Ground		T290_BIGSUR		01/31/2017		104		141		Dev Support 2	
45		47		SoC Shared Support		J132_JIN		09/05/2017		105		142		BOM Variants 1	
46		48		SoC Project Support		J132_JACK		11/03/2017		106		143		BOM Variants 2	
47		49		T151		J132_GREG		08/21/2017		107		145		Alternates BOM Table	
48		50		Secure Element		J132_GREG		05/16/2017		108		150		References	
49		51		T139 Support		J132_GREG		08/21/2017							
50		52		I2C Connections 1		J132_JACK		05/30/2017							
51		53		I2C Connections 2		J132_JACK		09/07/2017							
52		54		Power Sensors: High Side		J132_JACK		11/03/2017							
53		55		Power Sensors: Load Side		J132_JACK		11/03/2017							
54		56		Power Sensors: Extended		J132_JACK		06/22/2017							
55		57		Power Sensors: Extended 2		J132_JACK		11/09/2017							
56		58		Thermal Sensors		J132_JACK		06/01/2017							
57		59		Power Sensors:Extended 3		J132_JACK		05/26/2017							
58		60		Fans/SMC/AMUX Support		J132_JACK		06/22/2017							
59		62		Audio Placeholder		J132_ADRIEN		03/13/2017							
60		63		Audio Jack Codec		J132_ADRIEN		06/02/2017							
Schematic / PCB #'s															
PART NUMBER		QTY		DESCRIPTION		REFERENCE DES		CRITICAL		BOM OPTION					
051-02165		1		SCHEM,MLB,X941		SCH		CRITICAL		SCH					
820-00853		1		PCBF,MLB,X941		PCB		CRITICAL		PCB					
8		7		6		5		4		3		2		1	
DRAWING TITLE															
SCHEM,MLB,X941															
Apple Inc.															
051-02166															
4.0.0															
evt-mars-0															
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1 OF 108															
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## CPU

SOC

## SOC

### SOC Alternate Parts

SETBTACEWIRELESSPMU

CHARGER IC

AMRDRAM

## PA

## Programmables (All Builds)

## TBT ROMs

BT ROMWIFI ROM

## Strategic Silicon

### NAND Alternate Parts

BT ROM Alternate Parts

## WIFI ROM Alternate Parts

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S00216	335S00214	WIFI_ROM:BLANK	U3710	Rohn

[illegible]

\_\_\_\_\_

BOM_MASTER=BMAT_144	
PAGE TITLE	BOM Configuration

	051 0
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Apple Inc.	051-0
	REVISION 4

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### BOM Groups

BOM GROUP	BOM OPTIONS
X341_COMMON	SW, PCB, ALTERNATE, COMMON, X941_COMMON1, X941_COMMON2, X941_COMMON3, X941_PROGPARTS
X941_COMMON1	TBT_RT1, ACT_CK1, MCK1, R1=10K, C177, PRIN32, PRIN37, PRIN38, PRIN39, PRIN40, PRIN41, PRIN42, PRIN43, PRIN44, PRIN45, PRIN46, PRIN47, PRIN48, PRIN49, PRIN50, PRIN51, PRIN52, PRIN53, PRIN54, PRIN55, PRIN56, PRIN57, PRIN58, PRIN59, PRIN60, PRIN61, PRIN62, PRIN63, PRIN64, PRIN65, PRIN66, PRIN67, PRIN68, PRIN69, PRIN70, PRIN71, PRIN72, PRIN73, PRIN74, PRIN75, PRIN76, PRIN77, PRIN78, PRIN79, PRIN80, PRIN81, PRIN82, PRIN83, PRIN84, PRIN85, PRIN86, PRIN87, PRIN88, PRIN89, PRIN90, PRIN91, PRIN92, PRIN93, PRIN94, PRIN95, PRIN96, PRIN97, PRIN98, PRIN99, PRIN100, PRIN101, PRIN102, PRIN103, PRIN104, PRIN105, PRIN106, PRIN107, PRIN108, PRIN109, PRIN110, PRIN111, PRIN112, PRIN113, PRIN114, PRIN115, PRIN116, PRIN117, PRIN118, PRIN119, PRIN120, PRIN121, PRIN122, PRIN123, PRIN124, PRIN125, PRIN126, PRIN127, PRIN128, PRIN129, PRIN130, PRIN131, PRIN132, PRIN133, PRIN134, PRIN135, PRIN136, PRIN137, PRIN138, PRIN139, PRIN140, PRIN141, PRIN142, PRIN143, PRIN144, PRIN145, PRIN146, PRIN147, 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PRIN703, PRIN704, PRIN705, PRIN706

Variable BOM Groups  
Development/Base BOMs

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
685-00187	1	COMMON PARTS,MR,1941	BASE	CRITICAL	BASE_BOM
985-00366	1	DEV,MR,1941	DEVEL	CRITICAL	DEVEL_BOM

## NAND Configs

BOM GROUP	BOM OPTIONS
NANDCFG:SD_256G	NAND=SD_256G,80C1B0_1G,NAND_VCC1:2.5V
NANDCFG:TO_256G	NAND=TO_256G,80C1B0_1G,NAND_VCC1:2.5V
NANDCFG:SD_512G	NAND=SD_512G,80C1B0_1G,NAND_VCC1:2.5V
NANDCFG:TO_512G	NAND=TO_512G,80C1B0_1G,NAND_VCC1:2.5V
NANDCFG:SD_1T	NAND=SD_1T,80C1B0_2G,NAND_VCC 2.5V
NANDCFG:SS_1T	NAND=SS_1T,80C1B0_2G,NAND_VCC 2.5V
NANDCFG:TO_1T	NAND=TO_1T,80C1B0_2G,NAND_VCC 2.5V
NANDCFG:SS_2T	NAND=SS_2T,80C1B0_2G,NAND_VCC 2.5V
NANDCFG:SS_2T_D0E	NAND=SS_2T_D0E,80C1B0_2G,NAND_VCC:2.7V
NANDCFG:SD_256G_D0E	NAND=SD_256G_D0E,80C1B0_1G,NAND_VCC1:2.5V
NANDCFG:TO_256G_D0E	NAND=TO_256G_D0E,80C1B0_1G,NAND_VCC1:2.5V

## Main DRAM SPD Straps

BOM GROUP	BOM OPTIONS
DRAMCPO:HT_8G	DRAM:HT_8G,RAMCFG1_1,RAMCFG1_2,RAMCFG1_3,RAMCFG1_4,RAMCFG1_5
DRAMCPO:HT_8G	DRAM:HT_8G,RAMCFG1_1,RAMCFG1_2,RAMCFG1_3,RAMCFG1_4,RAMCFG1_5
DRAMCPO:SS_8G	DRAM:SS_8G,RAMCFG1_1,RAMCFG1_2,RAMCFG1_3
DRAMCPO:HT_16G	DRAM:HT_16G,RAMCFG1_1,RAMCFG1_2,RAMCFG1_3,RAMCFG1_4,RAMCFG1_5
DRAMCPO:HT_16G	DRAM:HT_16G,RAMCFG1_1,RAMCFG1_2,RAMCFG1_3
DRAMCPO:SS_16G	DRAM:SS_16G,RAMCFG1_1,RAMCFG1_2

## CPU DRAM CFG Chart

DIE 3EV	CPG 4
1	0
2	1

VENDOR	CFG 1	CFG 0
HYNIX	0	0
MICRON	0	1
SAMSUNG	1	0
N/A	1	1

SPEED	CPG 3
1133	0
1866	1

CAPACITY	CFG 2
8GB	0
16GB	1

[illegible]

# BOARD MECHANICALS

## Shield Cans - BOTTOM SIDE

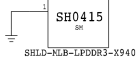
TITAN RIDGE - LEFT (U2800) - 806-12859



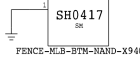
TITAN RIDGE - RIGHT (U8000) - 806-12859



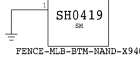
LPDDR3 (U2300 - U2600) - 806-15451



NAND - BOTTOM SOUTH (U8700) - 806-12858

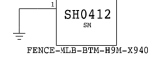


NAND - BOTTOM NORTH (U8900) - 806-12858



## Shield Cans - TOP SIDE

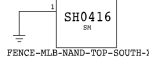
SOC (U3900) - 806-12855



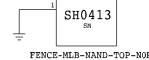
DIPLEXERS - 806-12854



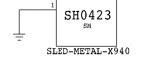
NAND - TOP SOUTH (U8600) - 806-12857



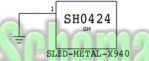
NAND - TOP NORTH (U8800) - 806-12856



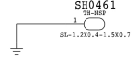
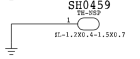
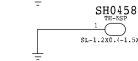
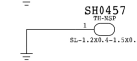
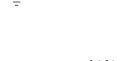
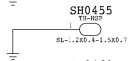
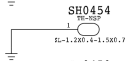
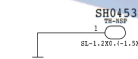
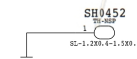
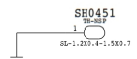
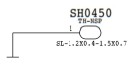
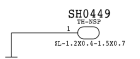
CPU SLED (U0500) - 806-12626



CPU SLED (U0500) - 806-12626

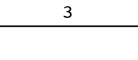
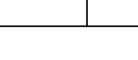
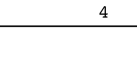
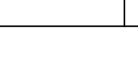
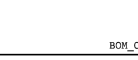
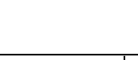
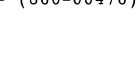
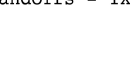
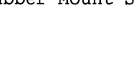
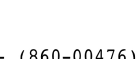
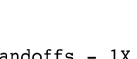
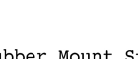
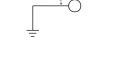
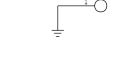
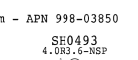
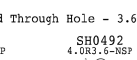
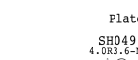
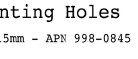
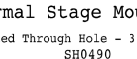
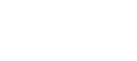
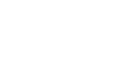
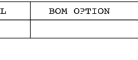
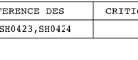
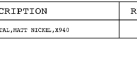
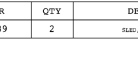
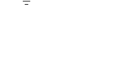
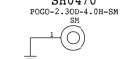
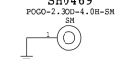
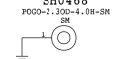
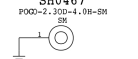
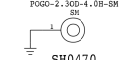
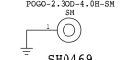
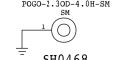
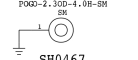
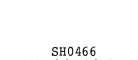
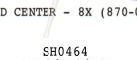
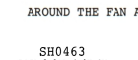
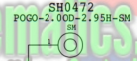
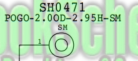


## Shield CAN Alignment Slots 14X - 998-04440 (1.2mm X 0.4mm)



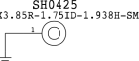
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LIO and RIO -2X (870-5071)

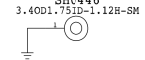
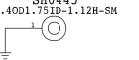


## Cowling Bosses - BOTTOM SIDE

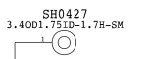
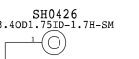
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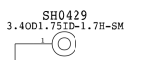
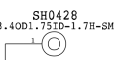
USB-C CONN - LIO (J3300) - 860-00392



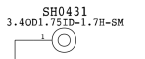
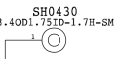
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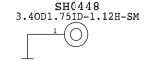
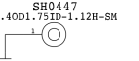
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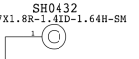
KBD CONN (J4500) - 860-00412



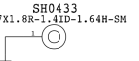
USB-C CONN - RIO (JB500) - 860-00392



AUDIO JACK CONN (J6600) - 860-00829

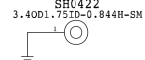
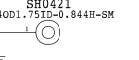


MESA CONN (J4900) - 860-00829

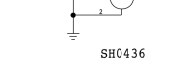
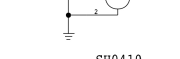
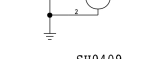
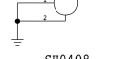
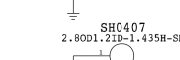
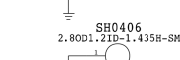
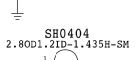
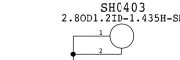
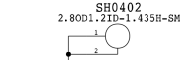
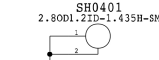
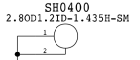


## Cowling Bosses - TOP SIDE

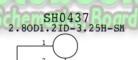
eDP CONN (J8500) - 860-00415




## TOP Rubber Mount Standoffs - 12X - (860-00430)



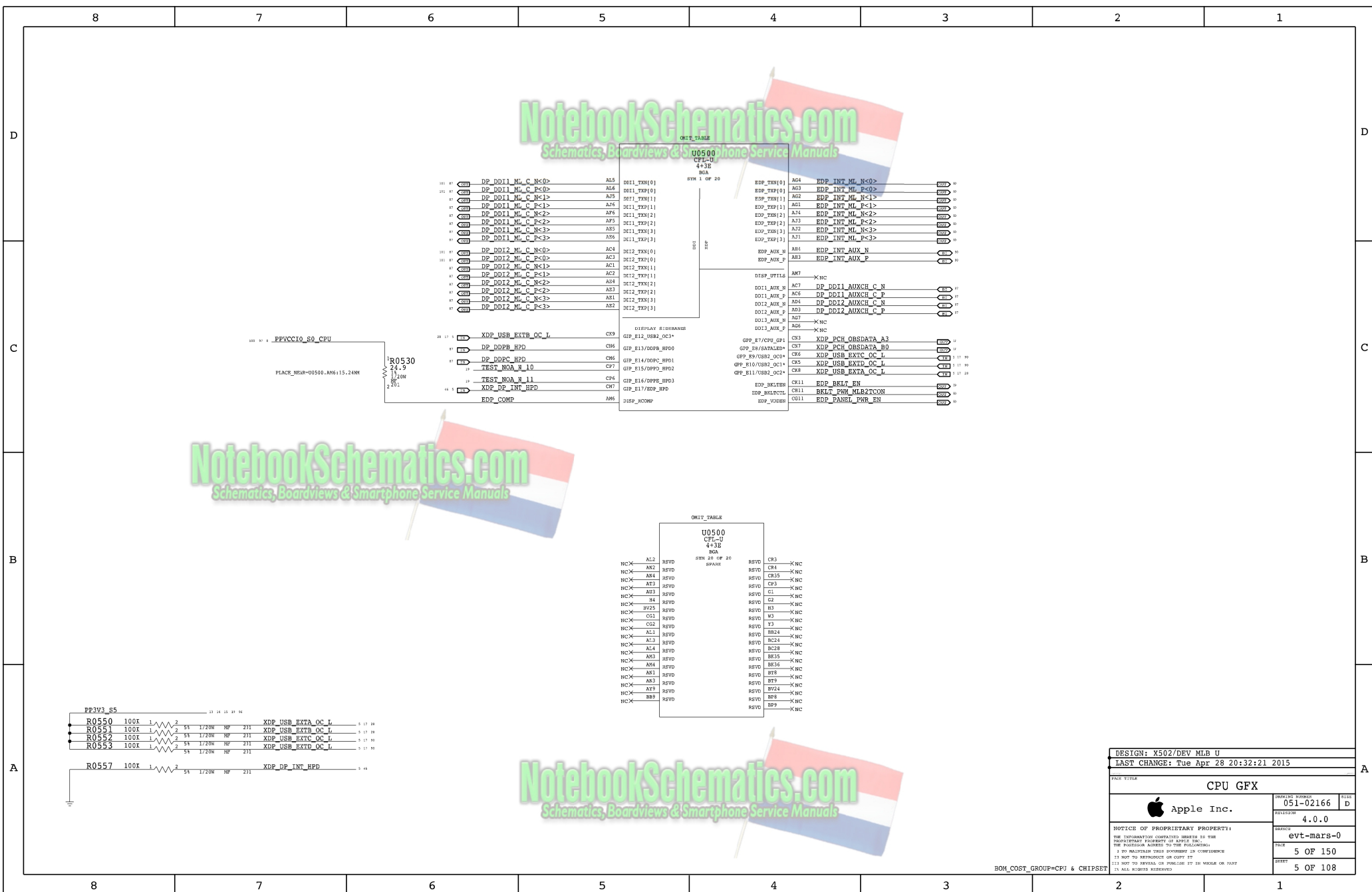
## Bottom Rubber Mount Standoffs - 1X - (860-00476)



SYMC MASTER-77A-ALB		SYMC-8870-01.11/2011	
FILE TITLE			
PD Parts			
	DESIGN NUMBER		REV
	051-02166		D
Apple Inc.	REVISION		
	4.0.0		
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BRANCH		evt-mars-0	
PAGE		4 OF 150	
SHEET		4 OF 108	

BOM\_COST\_GROUP=MECHANICALS





D

C

B

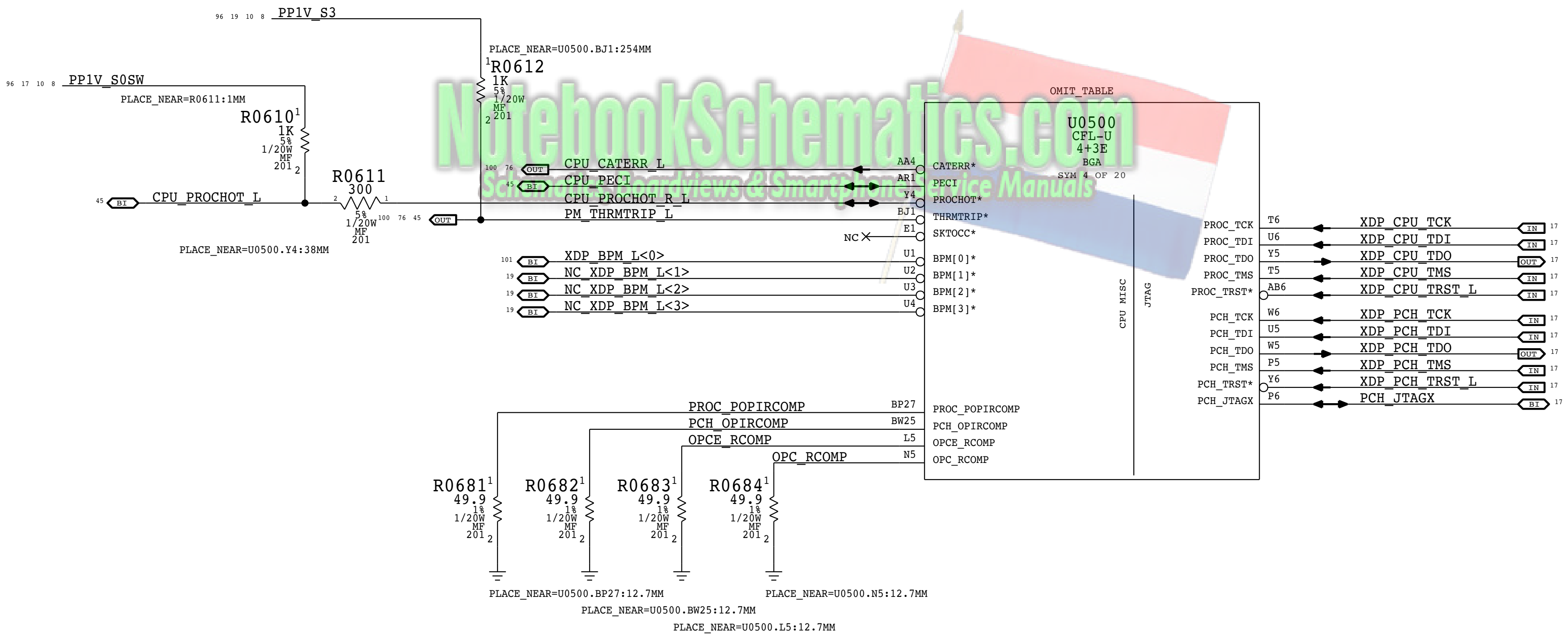
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D

C

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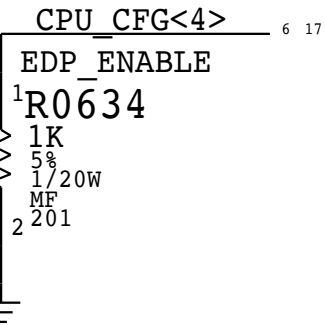
A




NotebookSchematics.com  
Schematics, Boardviews & Smartphone Service Manuals

NotebookSchematics.com  
Schematics, Boardviews & Smartphone Service Manuals

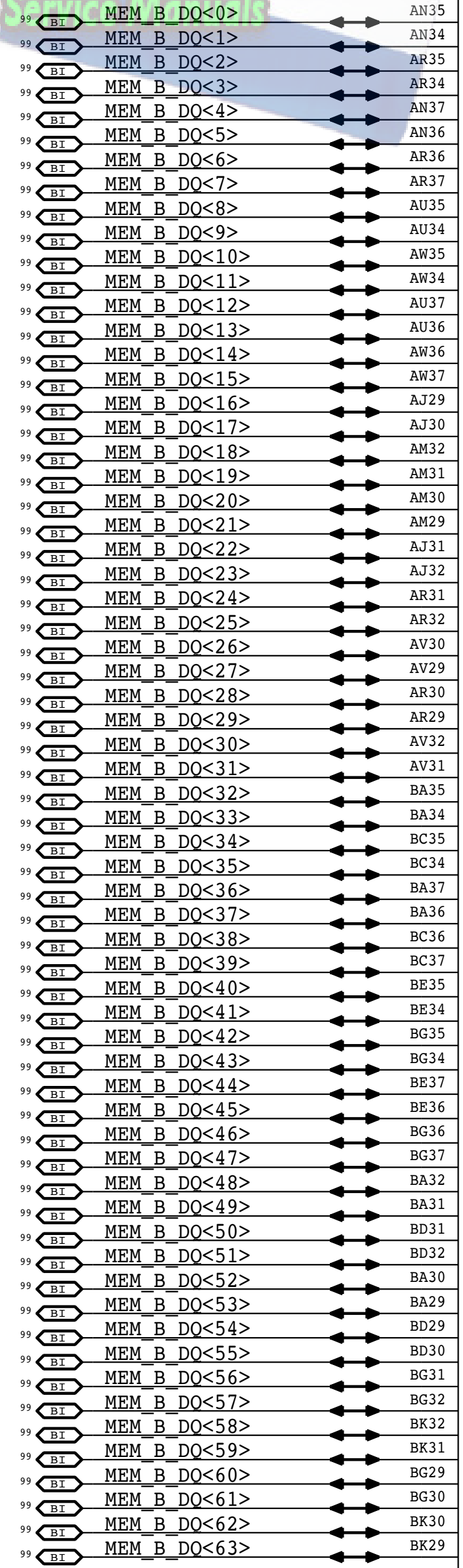
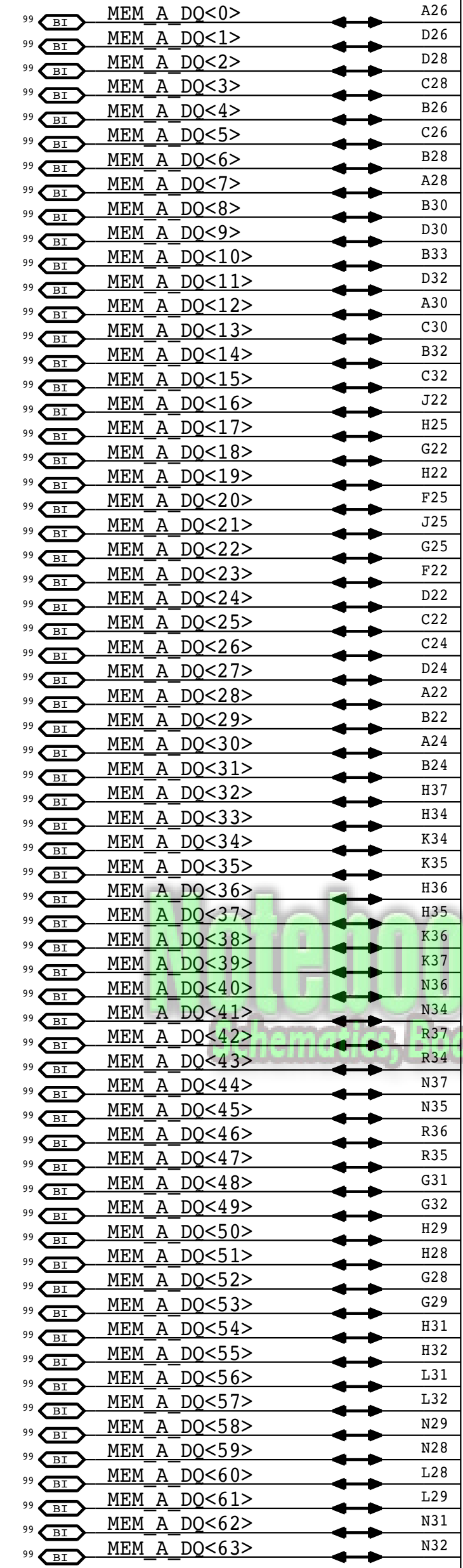
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BOM\_COST\_GROUP=CPU & CHIPSET

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LAST CHANGE: Mon Apr 27 22:56:39 2015		
PAGE TITLE		
CPU MISC/JTAG/CFG/RSVD		
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	REVISION	4.0.0
	BRANCH	evt-mars-0
	PAGE	6 OF 150
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SYNCH\_DATE=02/03/20

PAGE TITLE

CPU LPDDR3 Interface

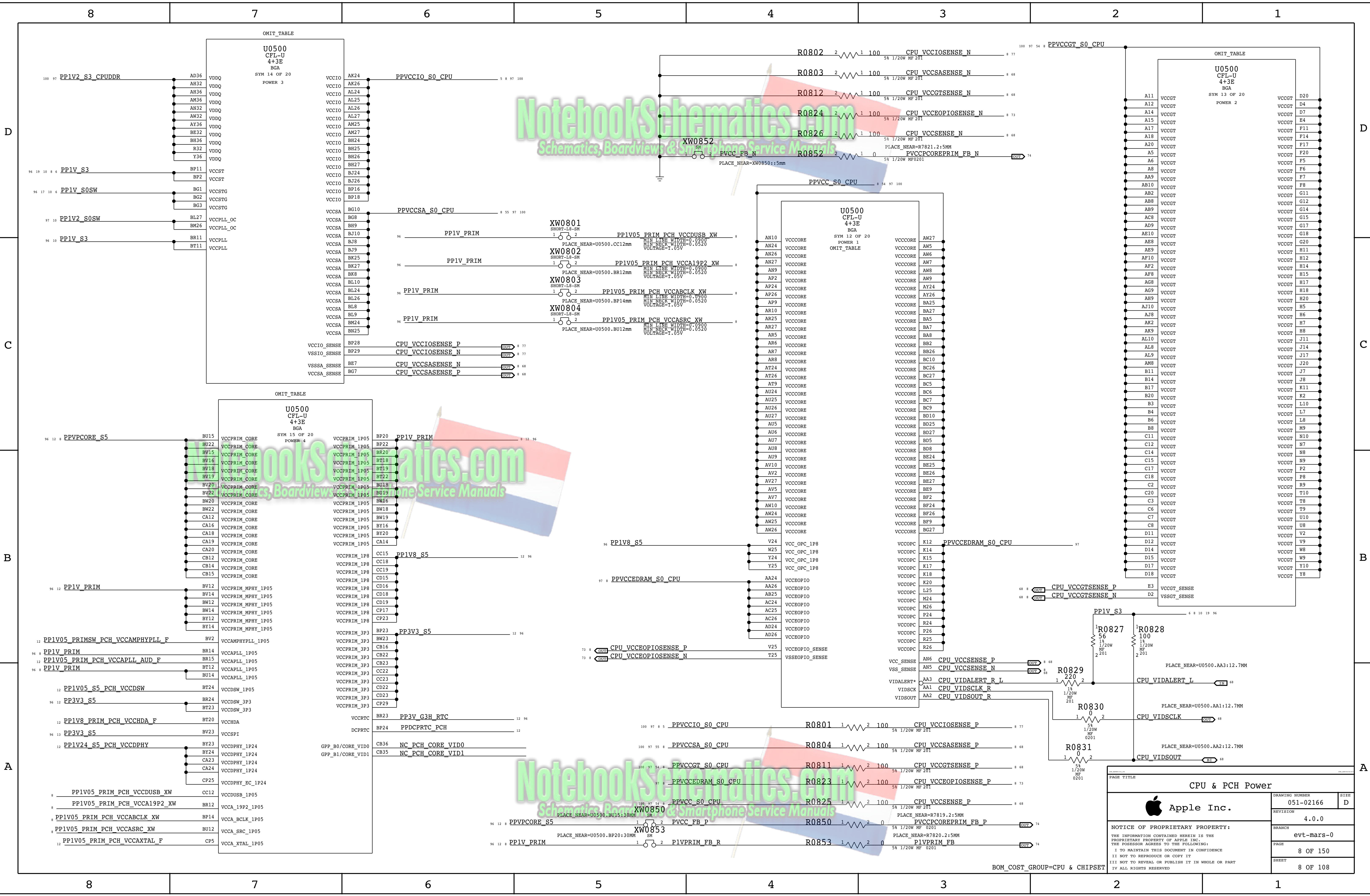
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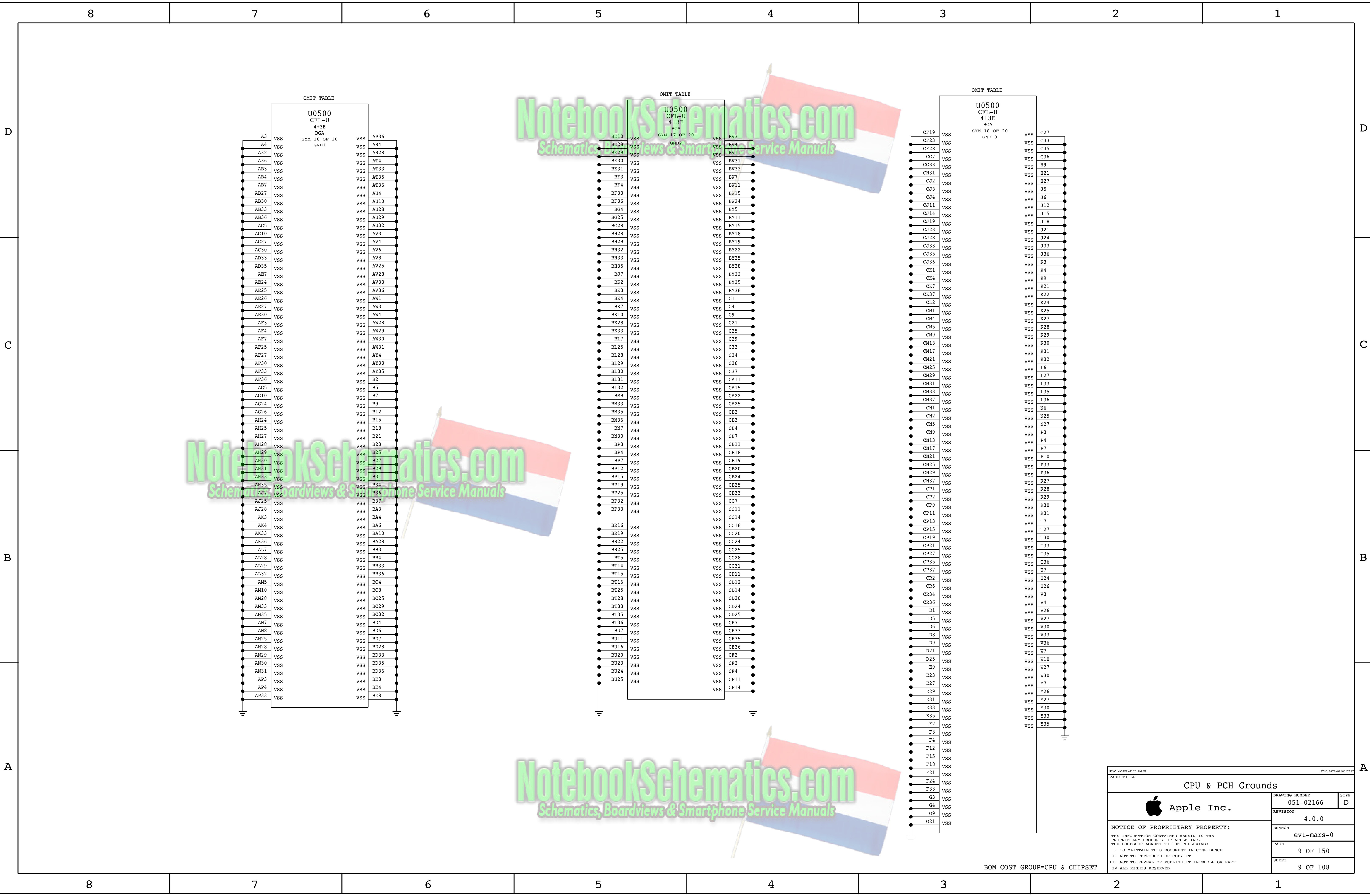
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REVISION	4.0.0		
BRANCH	evt-mars-0		
PAGE	7 OF 150		
SHEET	7 OF 108		









OMIT\_TABLE

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A4 VSS	AR4 VSS	
A32 VSS	AR28 VSS	
A36 VSS	AT4 VSS	
AB3 VSS	AT33 VSS	
AB4 VSS	AT35 VSS	
AB7 VSS	AT36 VSS	
AB27 VSS	AU4 VSS	
AB30 VSS	AU10 VSS	
AB33 VSS	AU28 VSS	
AB36 VSS	AU29 VSS	
AC5 VSS	AU32 VSS	
AC10 VSS	AV3 VSS	
AC27 VSS	AV4 VSS	
AC30 VSS	AV6 VSS	
AD33 VSS	AV8 VSS	
AD35 VSS	AV25 VSS	
AE7 VSS	AV28 VSS	
AE24 VSS	AV33 VSS	
AE25 VSS	AV36 VSS	
AE26 VSS	AW1 VSS	
AE27 VSS	AW3 VSS	
AE30 VSS	AW4 VSS	
AF3 VSS	AW28 VSS	
AF4 VSS	AW29 VSS	
AF7 VSS	AW30 VSS	
AF25 VSS	AW31 VSS	
AF27 VSS	AY4 VSS	
AF30 VSS	AY33 VSS	
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AF36 VSS	B2 VSS	
AG5 VSS	B5 VSS	
AG10 VSS	B7 VSS	
AG24 VSS	B9 VSS	
AG26 VSS	B12 VSS	
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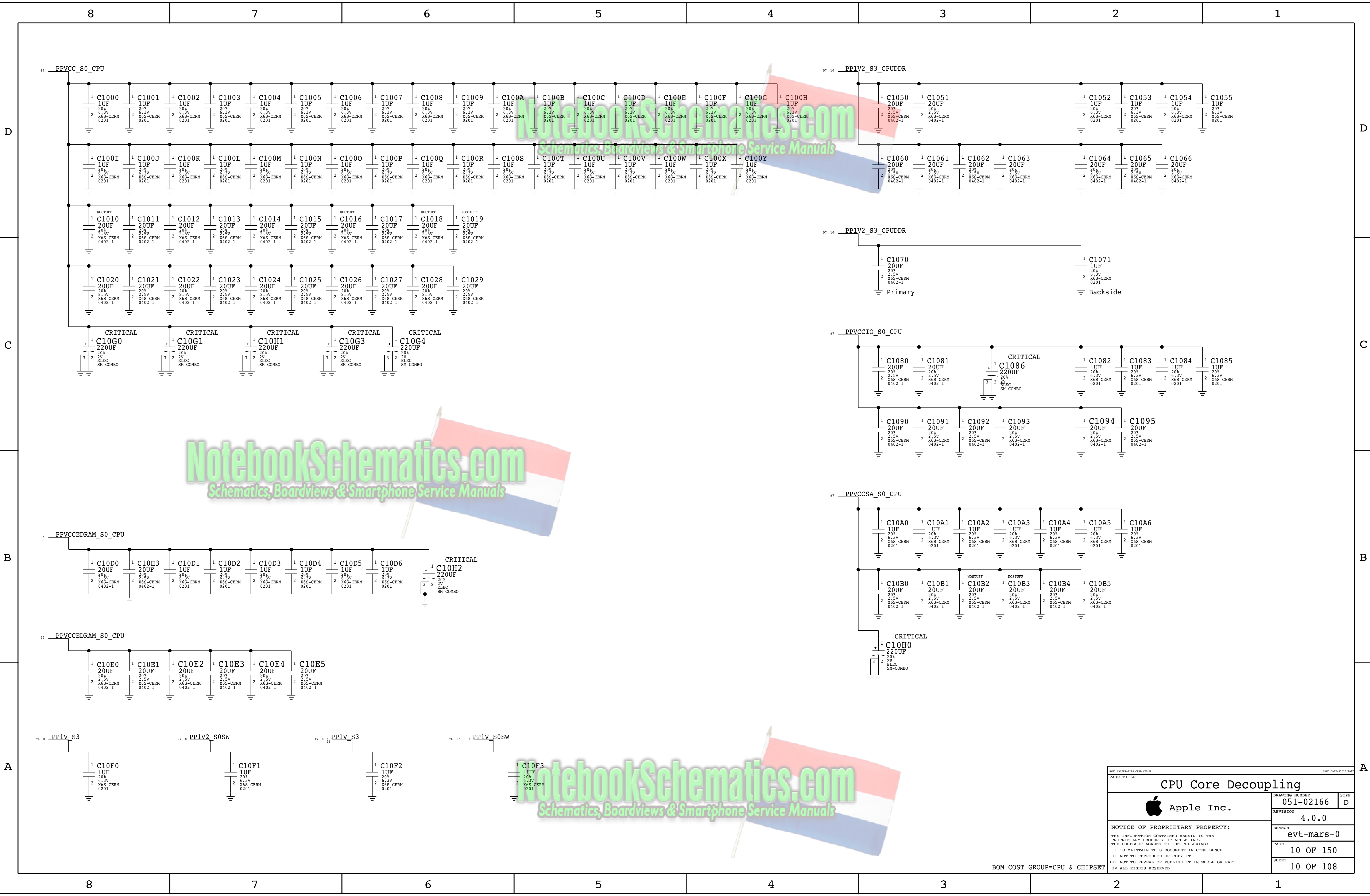
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BE31 VSS	BV33 VSS	
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BF36 VSS	BW24 VSS	
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BH28 VSS	BY18 VSS	
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BJ7 VSS	BY33 VSS	
BK2 VSS	BY35 VSS	
BK3 VSS	BY36 VSS	
BK4 VSS	C1 VSS	
BK7 VSS	C4 VSS	
BK10 VSS	C9 VSS	
BK28 VSS	C21 VSS	
BK33 VSS	C25 VSS	
BL7 VSS	C29 VSS	
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BM35 VSS	CN1 VSS	
BM36 VSS	CB2 VSS	
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BT25 VSS	CD14 VSS	
BT28 VSS	CD20 VSS	
BT33 VSS	CD24 VSS	
BT35 VSS	CD25 VSS	
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CF23 VSS	G33 VSS	
CF28 VSS	G35 VSS	
CG7 VSS	G36 VSS	
CG33 VSS	H9 VSS	
CH31 VSS	H21 VSS	
CJ2 VSS	H27 VSS	
CJ3 VSS	J5 VSS	
CJ4 VSS	J6 VSS	
CJ11 VSS	J12 VSS	
CJ14 VSS	J15 VSS	
CJ19 VSS	J18 VSS	
CJ23 VSS	J21 VSS	
CJ28 VSS	J24 VSS	
CJ33 VSS	J33 VSS	
CJ35 VSS	J36 VSS	
CJ36 VSS	K3 VSS	
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CM37 VSS	L36 VSS	
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CN3 VSS	N27 VSS	
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CN25 VSS	P36 VSS	
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CP15 VSS	T30 VSS	
CP19 VSS	T33 VSS	
CP21 VSS	T35 VSS	
CP27 VSS	T36 VSS	
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CP37 VSS	U24 VSS	
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CR6 VSS	V4 VSS	
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D8 VSS	V36 VSS	
D9 VSS	W7 VSS	
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D25 VSS	W30 VSS	
E9 VSS	Y7 VSS	
E23 VSS	Y26 VSS	
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E29 VSS	Y30 VSS	
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G9 VSS		
G21 VSS		

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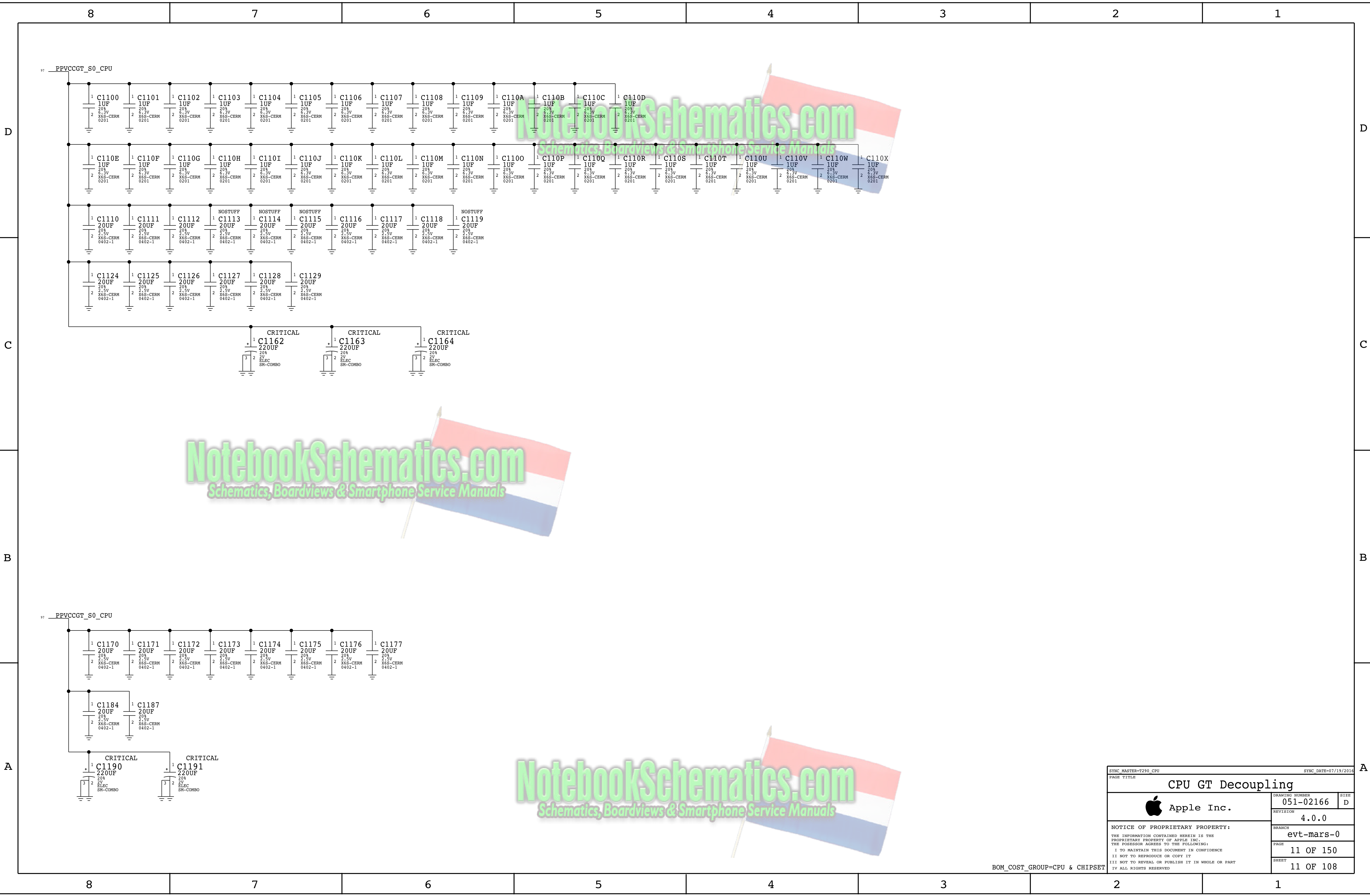
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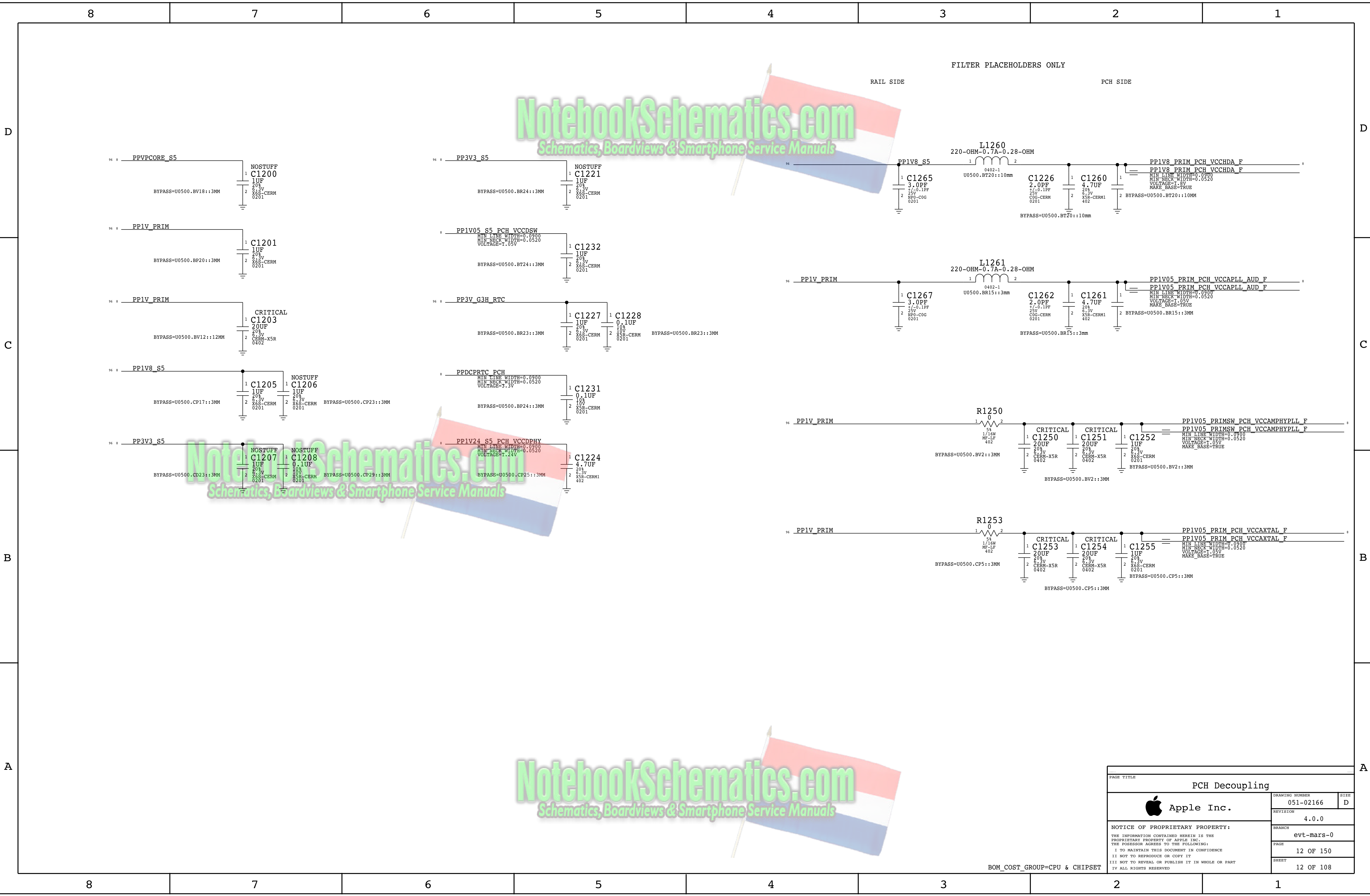
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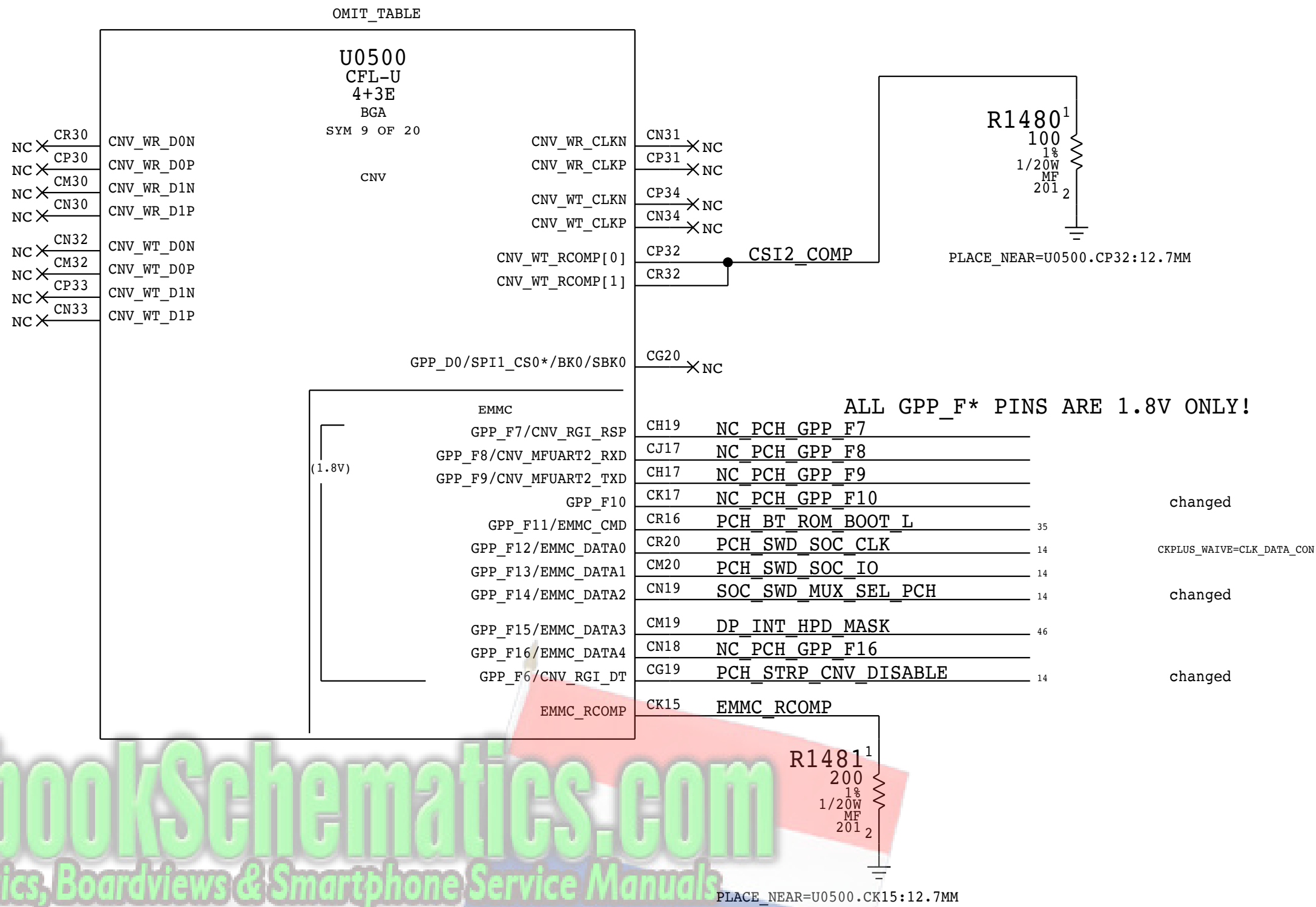
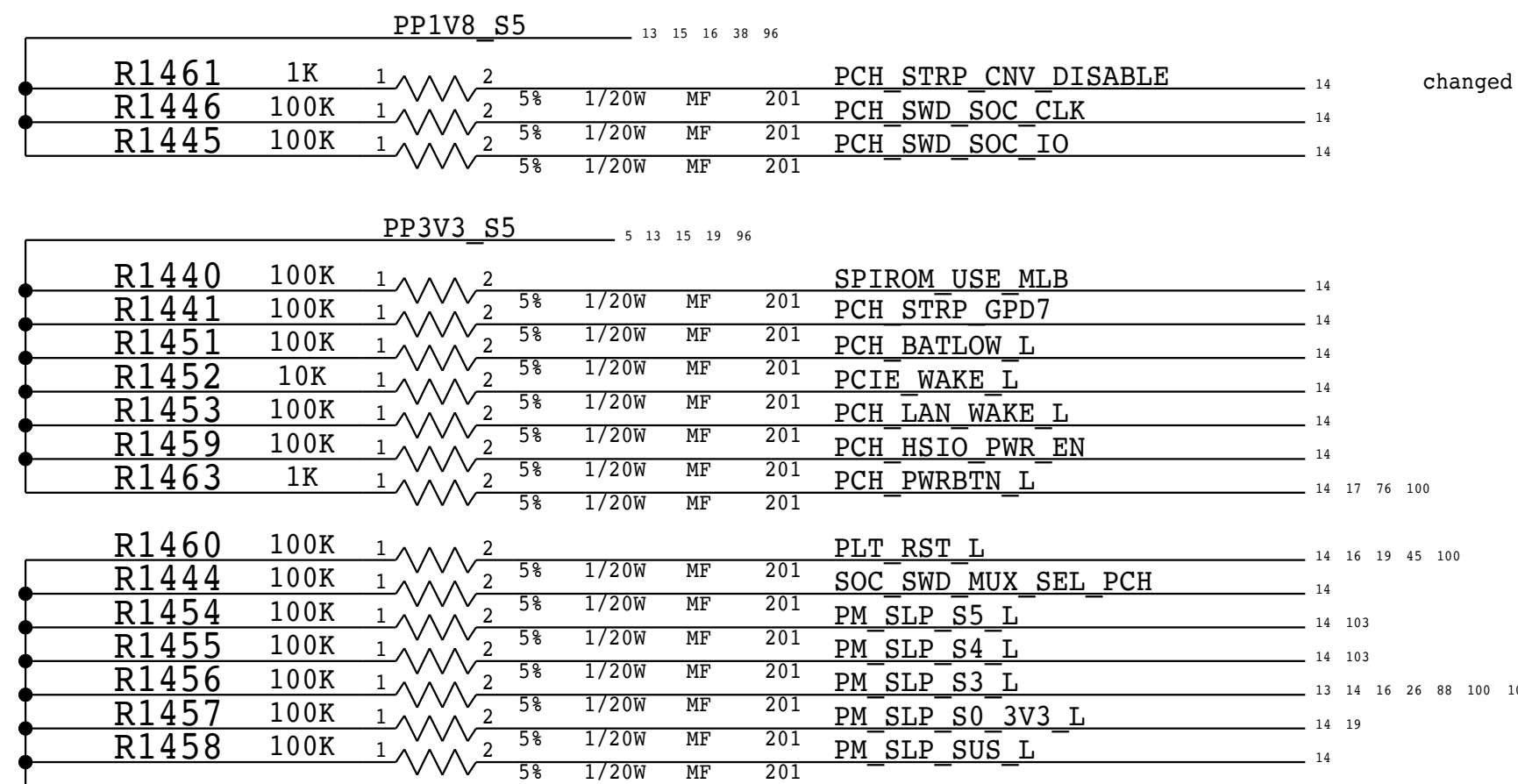
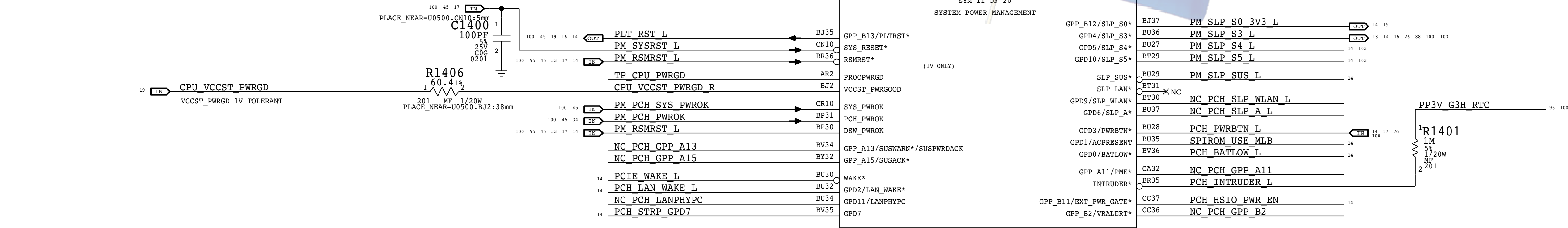
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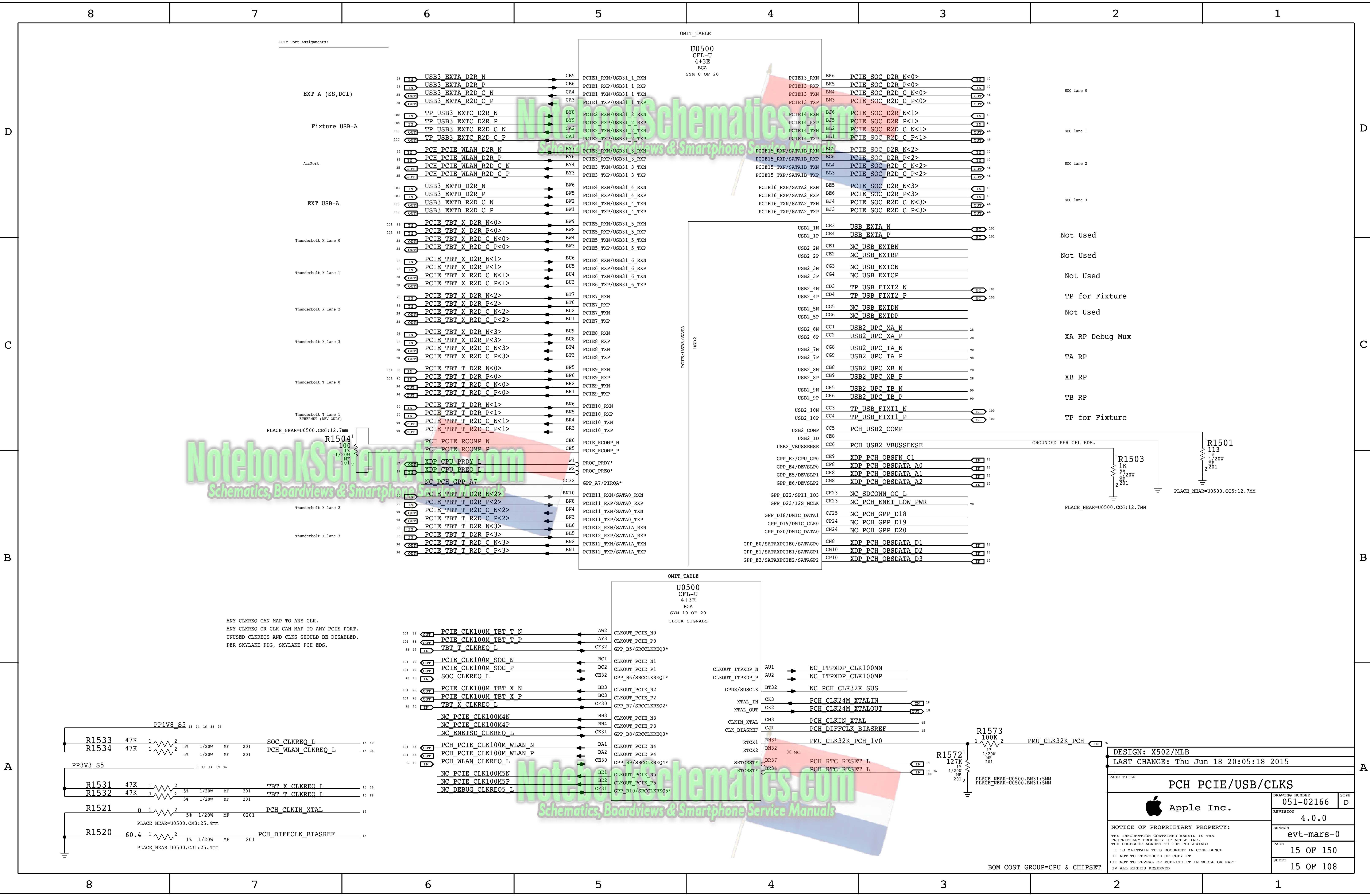
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BOM\_COST\_GROUP=CPU & CHIPSET







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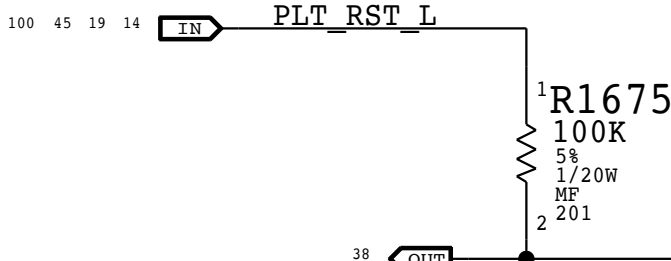
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ALL GPP\_F\* PINS ARE 1.8V ONLY!

OMIT TABLE



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SOC_PERST_L	CE28
NC_PCH_ENETSD_RESET_L	CE27
PCH_STRP_NO_REBOOT	CE29
NC_PCH_GPP_B19	CA31
NC_PCH_GPP_B20	CC29
NC_PCH_GPP_B21	CC30
NC_PCH_STRP_BOOT_SPI_L	CA30
PCH_UART_BT_D2R	CR14
PCH_UART_BT_R2D	CP14
PCH_UART_BT_RTS_L	CN14
PCH_UART_BT_CTS_L	CM14

NC_PCH_GPP_C16	CM11
NC_PCH_GPP_C17	CN11
NC_PCH_GPP_C18	CK12
NC_PCH_GPP_C19	CJ12
NC_PCH_GPP_C12	CG12
NC_PCH_GPP_C13	CH12
NC_PCH_GPP_C14	CF12
NC_PCH_GPP_C15	CG14
NC_MEM_OK	CP4
NC_PCH_DDPD_CTRLDATA	CN4
NC_PCH_I2S_BT_CLK	CH32
NC_PCH_I2S_BT_SYNC	CJ32
NC_PCH_I2S_BT_R2D	CH29
NC_PCH_I2S_BT_D2R	CH30

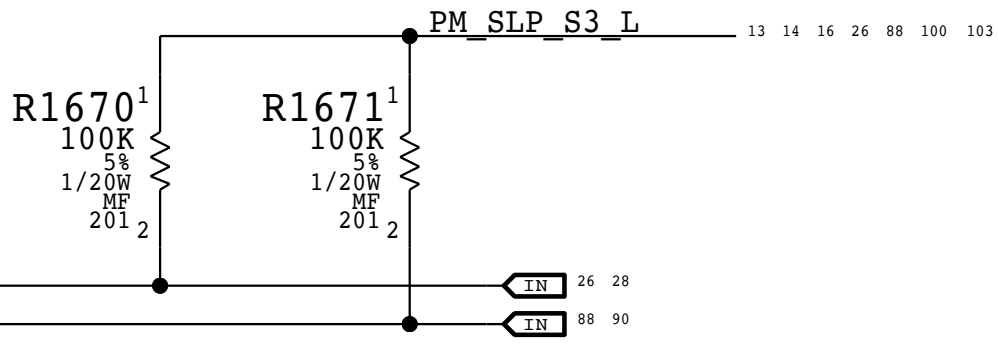
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GPP_B15/GSPI0_CS0*	
GPP_B16/GSPI0_CLK	
GPP_B17/GSPI0_MISO	
GPP_B18/GSPI0_MOSI	
GPP_B19/GSPI1_CS0*	
GPP_B20/GSPI1_CLK	
GPP_B21/GSPI1_MISO	
GPP_B22/GSPI1_MOSI	
GPP_C8/UART0_RXD	
GPP_C9/UART0_TXD	
GPP_C10/UART0_RTS*	
GPP_C11/UART0_CTS*	
GPP_C16/I2C0_SDA	
GPP_C17/I2C0_SCL	
GPP_C18/I2C1_SDA	
GPP_C19/I2C1_SCL	
GPP_C12/UART1_RXD/ISH_UART1_RXD	
GPP_C13/UART1_TXD/ISH_UART1_TXD	
GPP_C14/UART1_RTS*/ISH_UART1_RTS*	
GPP_C15/UART1_CTS*/ISH_UART1_CTS*	
GPP_E22/DPPD_CTRLCLK	
GPP_E23/DPPD_CTRLDATA	
GPP_H0/I2S2_SCLK/CNV_BT_I2S_SCLK	
GPP_H1/I2S2_SFRM/CNV_BT_I2S_BCLK	
GPP_H2/I2S2_TXD/CNV_BT_I2S_SDI	
GPP_H3/I2S2_RXD/CNV_BT_I2S_SDO	
GPP_B3/CPU_GP2	
GPP_B4/CPU_GP3	

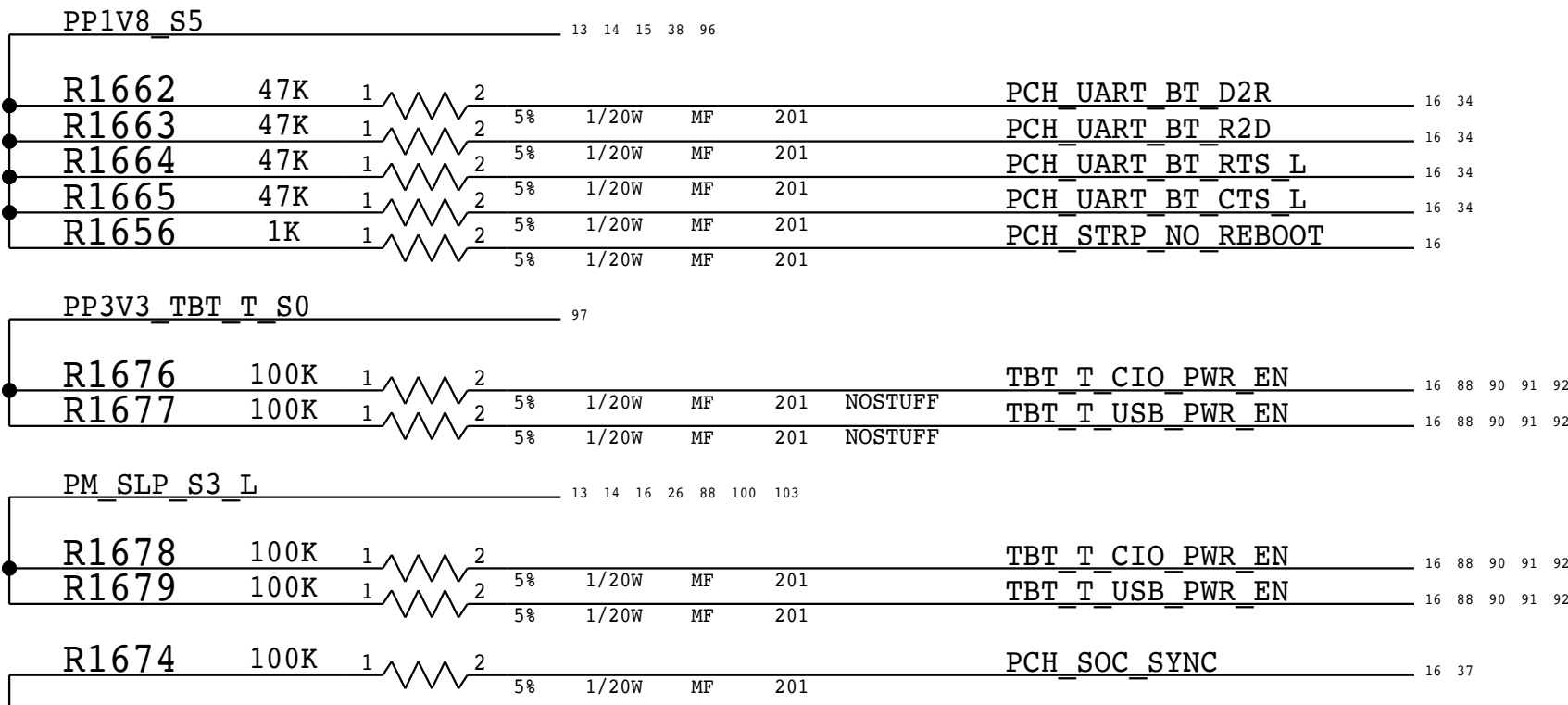
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CFL-U  
4+3E  
BGA  
SYM 6 OF 20

ISH	
GPP_D5/ISH_I2C0_SDA	
GPP_D6/ISH_I2C0_SCL	
GPP_D7/ISH_I2C1_SDA	
GPP_D8/ISH_I2C1_SCL	
GPP_D1/SPI1_CLK	
GPP_D2/SPI1_MISO_I01	
GPP_D3/SPI1_MOSI_I00	
GPP_D4/IMGCLKOUT0	
GPP_F4/CNV_BRI_DT	
GPP_F5/CNV_BRI_RSP	
GPP_G6/SD_CLK	
GPP_D9	
GPP_D10	
GPP_G7/SD_WP	
GPP_G2/SD3_DATA1	
GPP_G3/SD3_DATA2	
GPP_G4/SD_DATA3	
GPP_G5/SD_CD*	
GPP_A18/ISH_GP0	
GPP_A19/ISH_GP1	
GPP_A20/ISH_GP2	
GPP_A21/ISH_GP3	
GPP_A22/ISH_GP4	
GPP_A23/ISH_GP5	
GPP_A12/ISH_GP6/BM_BUSY*/SX_EXIT_HOLDOFF*	

CK22	NC_PCH_GPP_D5
CH20	NC_PCH_GPP_D6
CH22	NC_PCH_GPP_D7
CJ22	NC_PCH_UPC_I2C_INT_L
CF20	NC_PCH_GPP_D1
CG22	NC_PCH_GPP_D2
CF22	NC_PCH_GPP_D3
CG25	NC_PCH_GPP_D4
CJ20	NC_PCH_GPP_F4
CK20	NC_PCH_GPP_F5
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CN22	TBT_X_PLUG_EVENT_L
CR22	TBT_T_PLUG_EVENT_L
CK34	TBT_T_DPMUX_SEL
CL36	TBT_T_CIO_PWR_EN
CM35	TBT_T_USB_PWR_EN
CN35	TBT_X_PCI_RESET_L
CH35	TBT_T_PCI_RESET_L
BW35	NC_PCH_GPP_A18
BW34	NC_PCH_GPP_A19
CA37	NC_PCH_GPP_A20
CA36	NC_PCH_GPP_A21
CA35	NC_BT12SMUX_SEL_PCH
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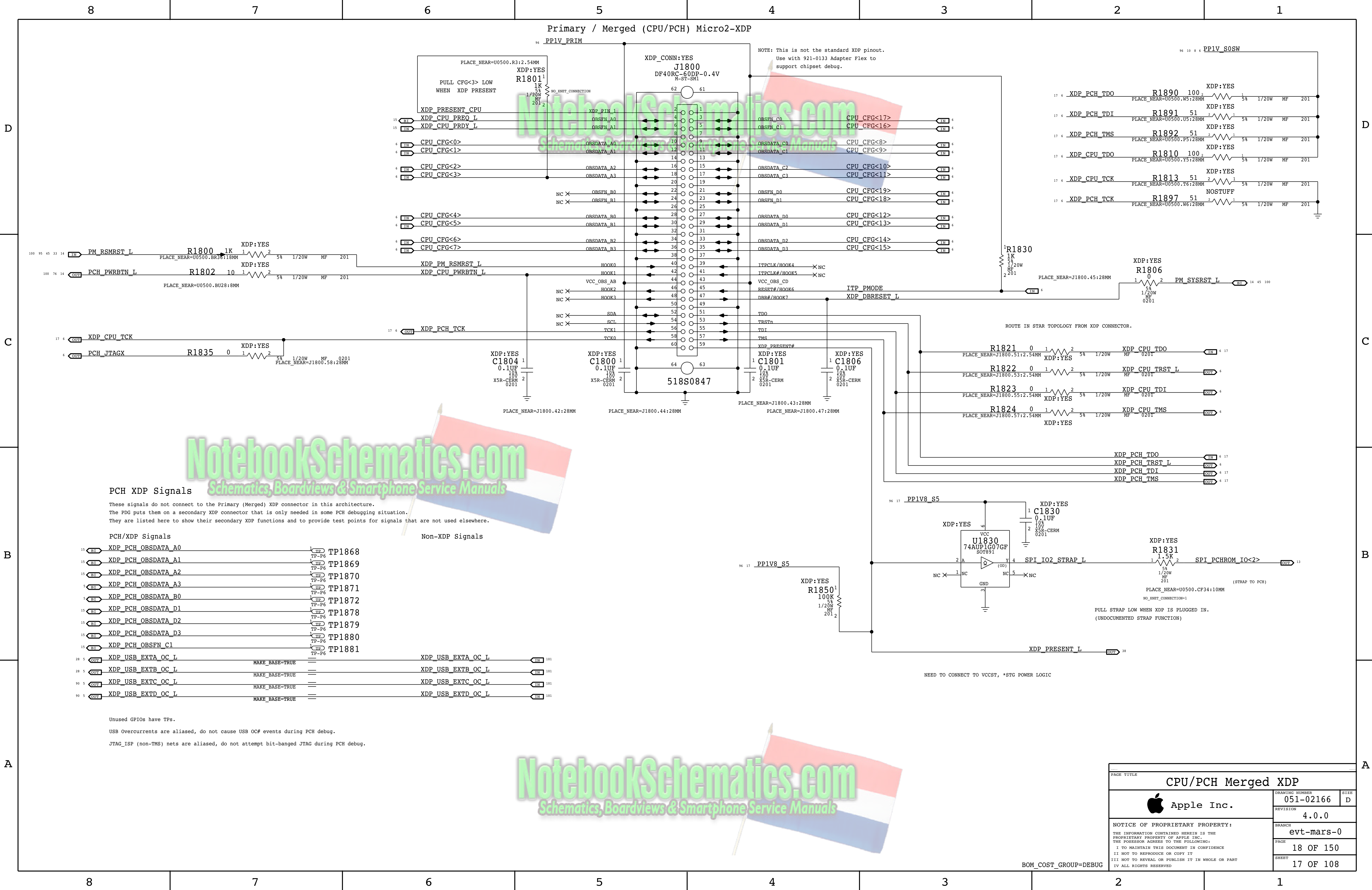


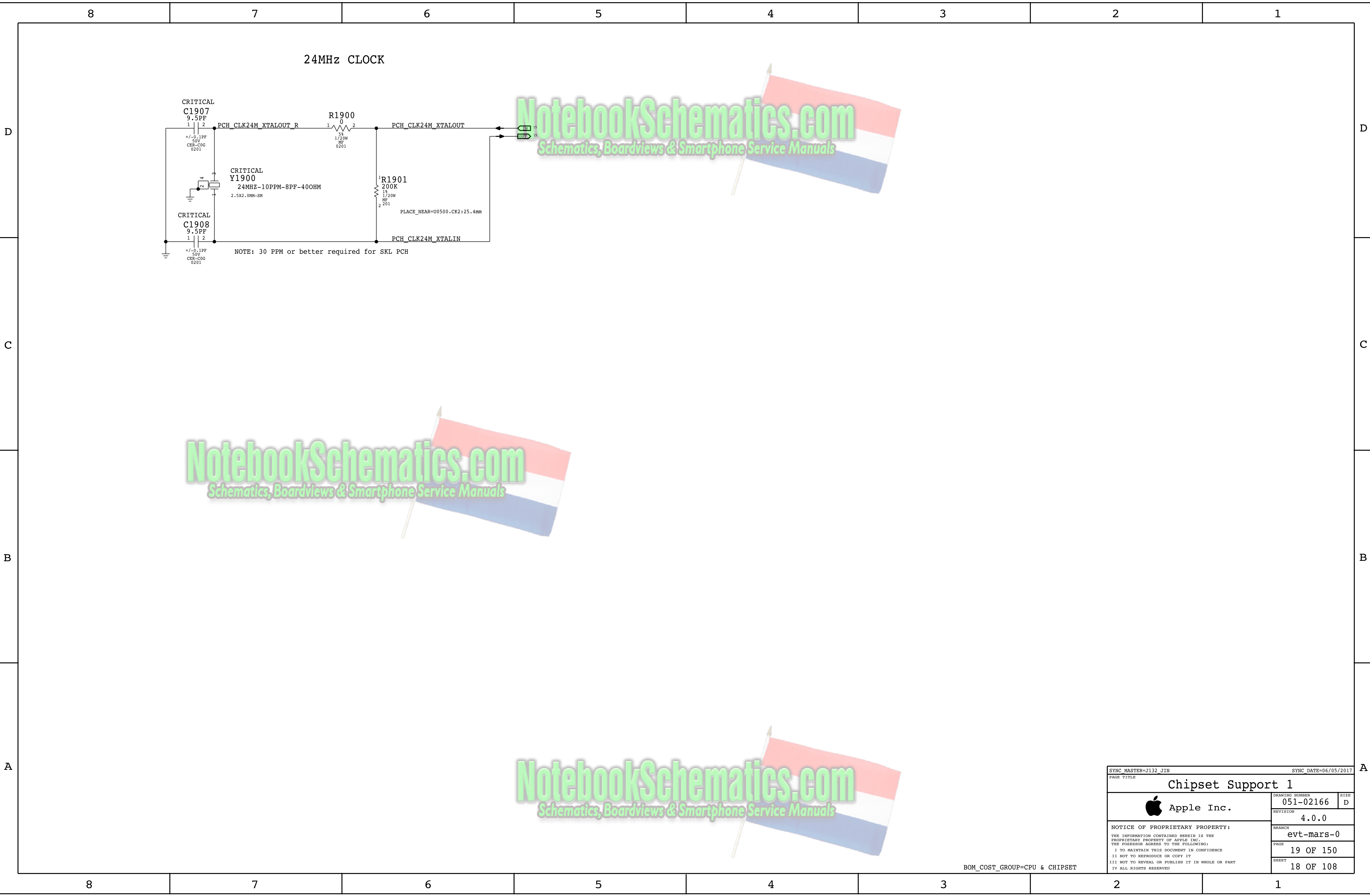
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
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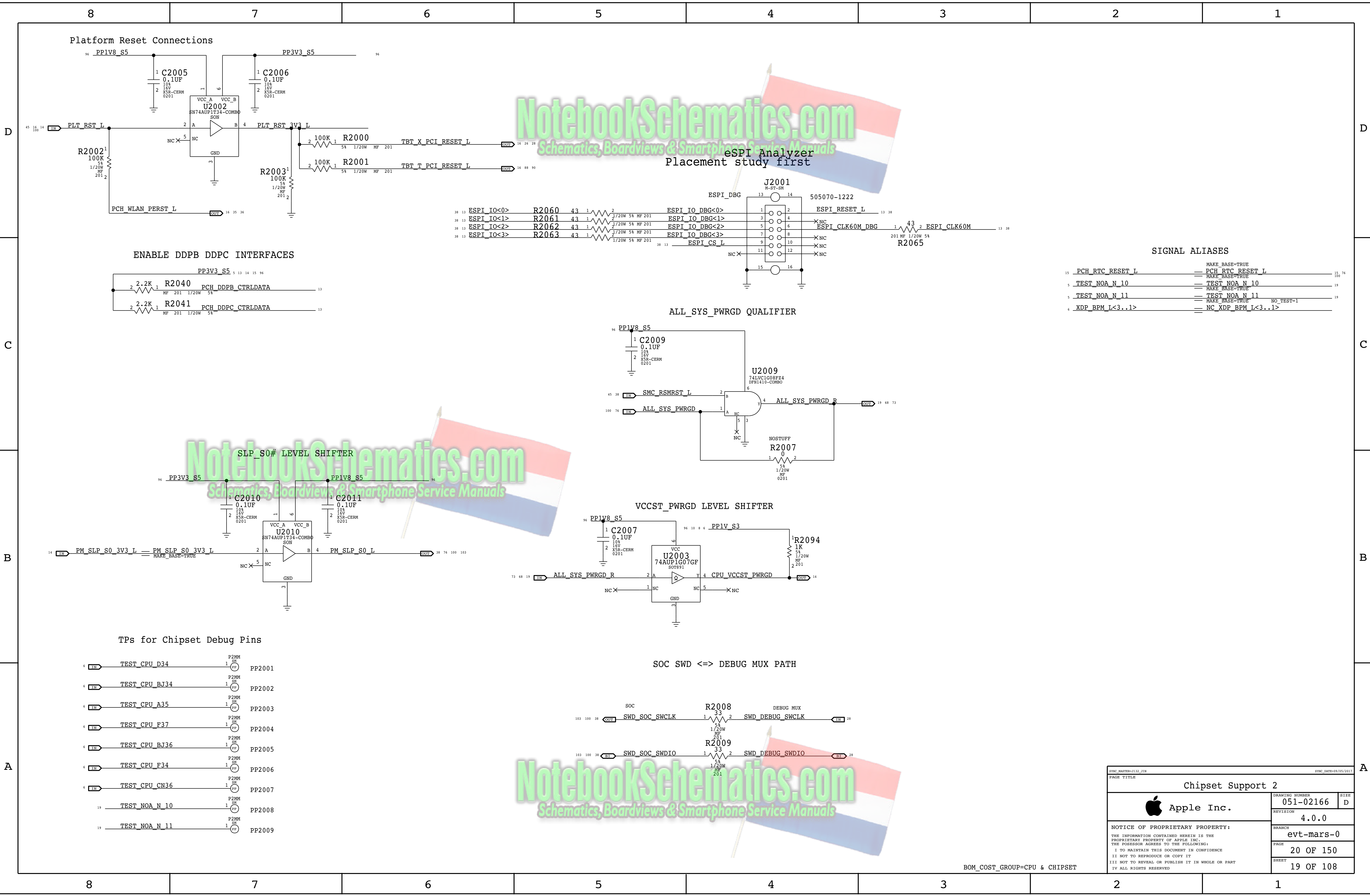
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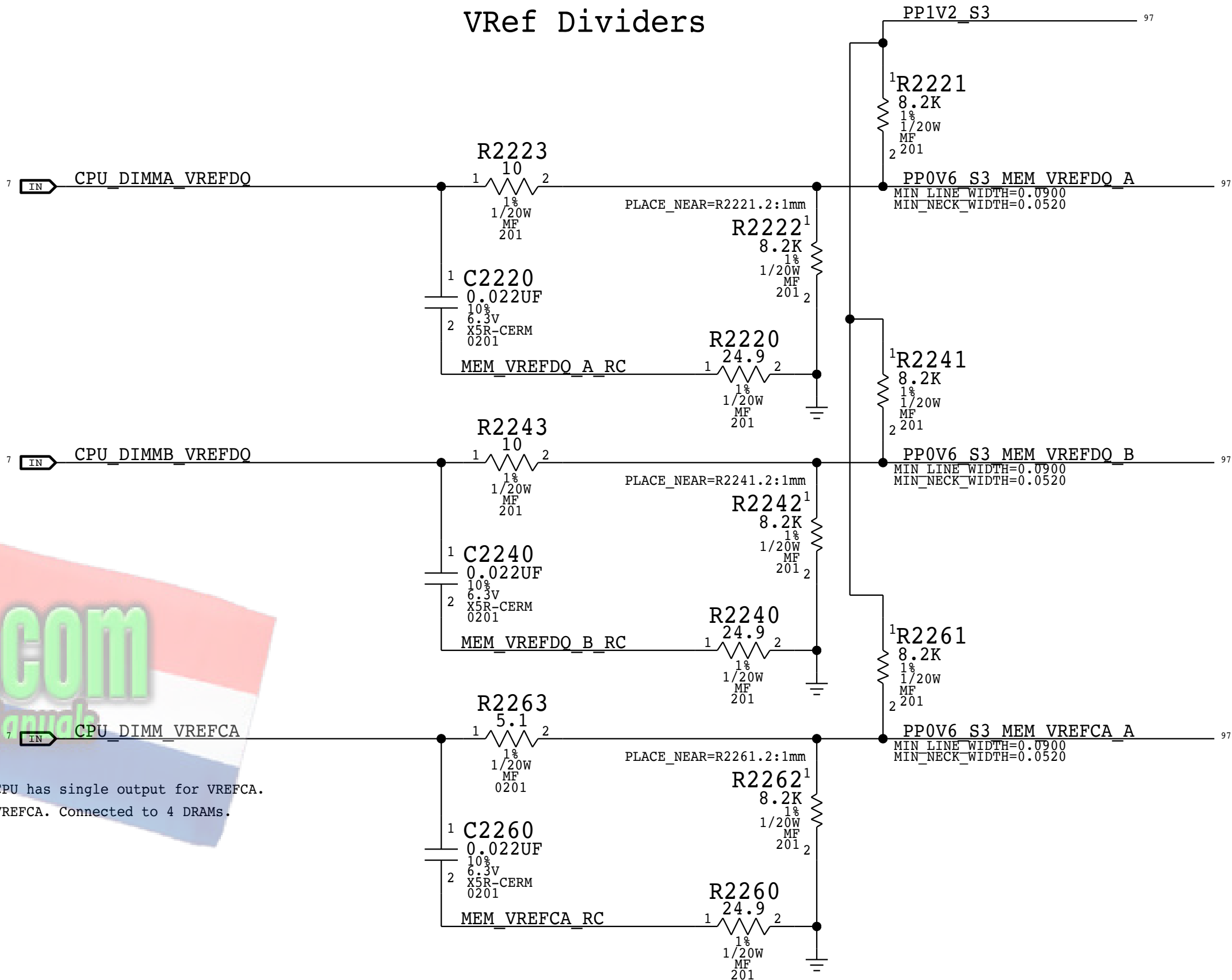
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
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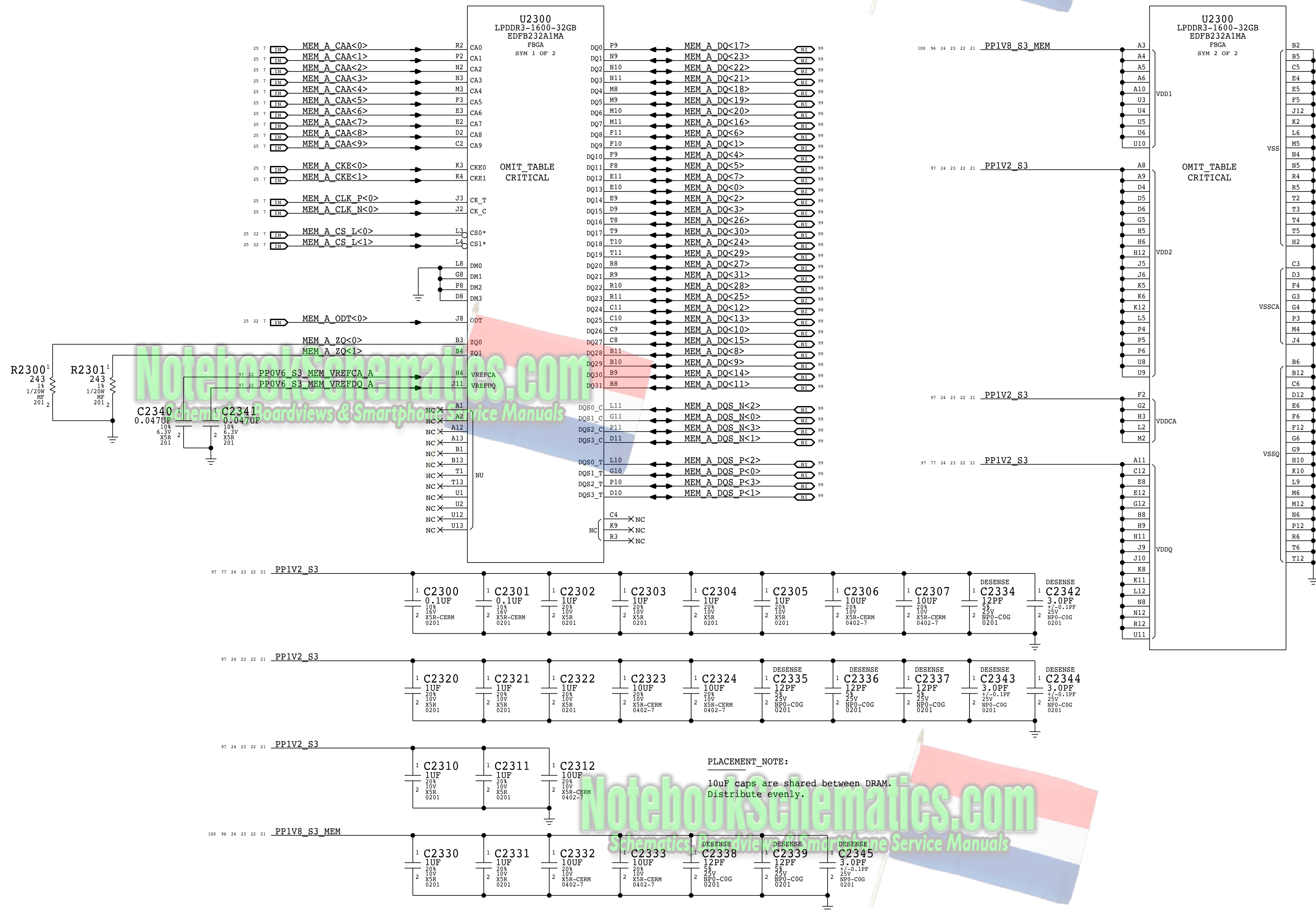
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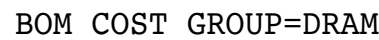



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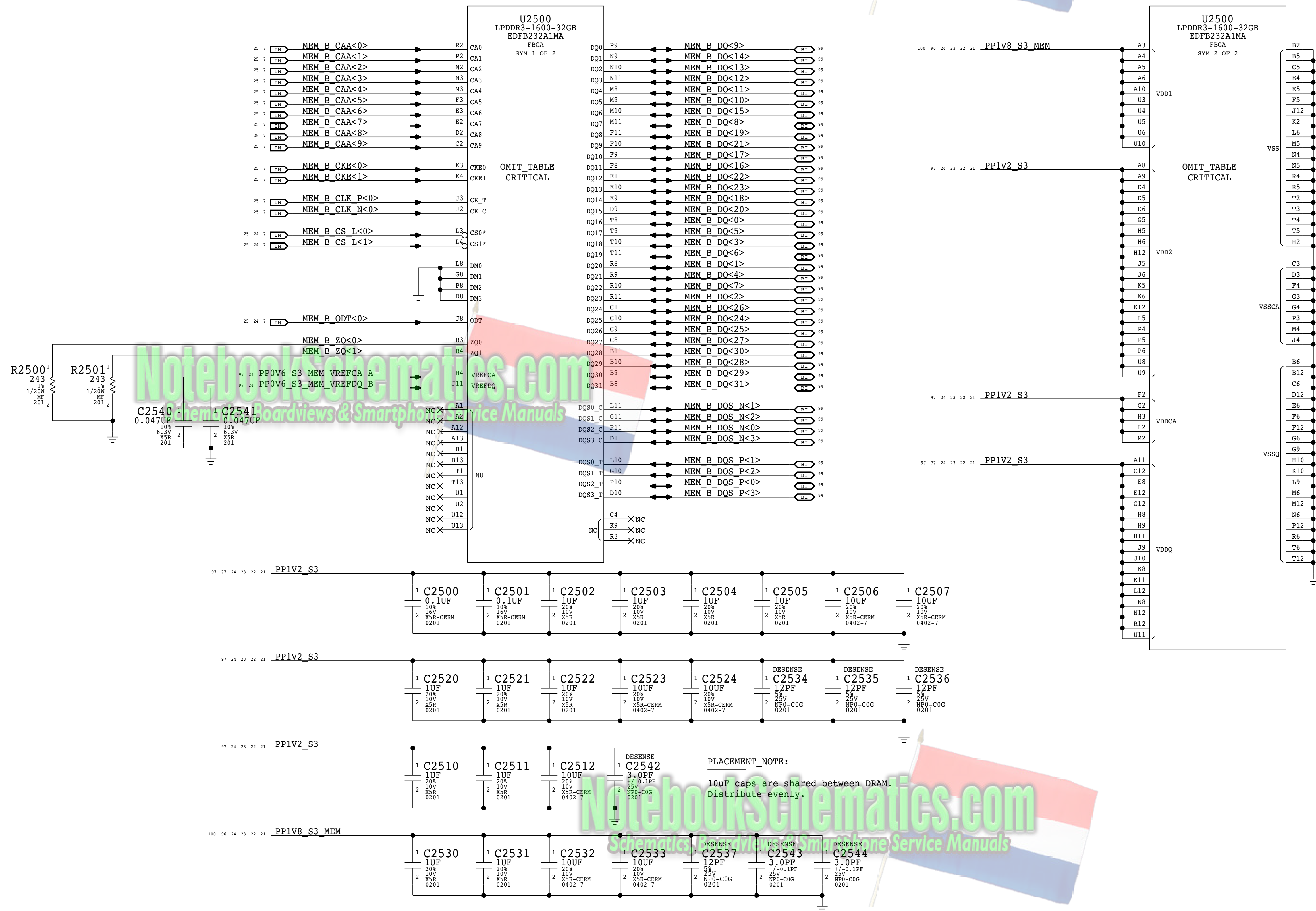


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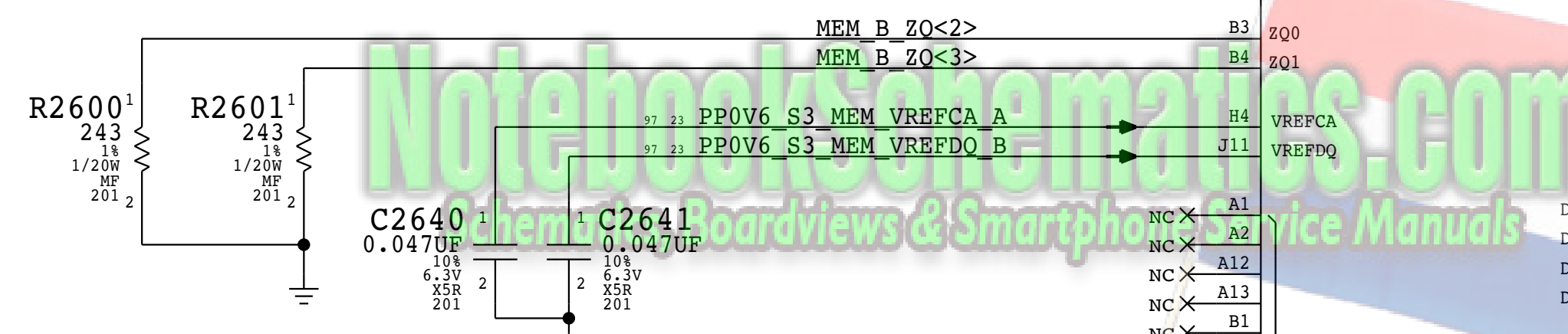
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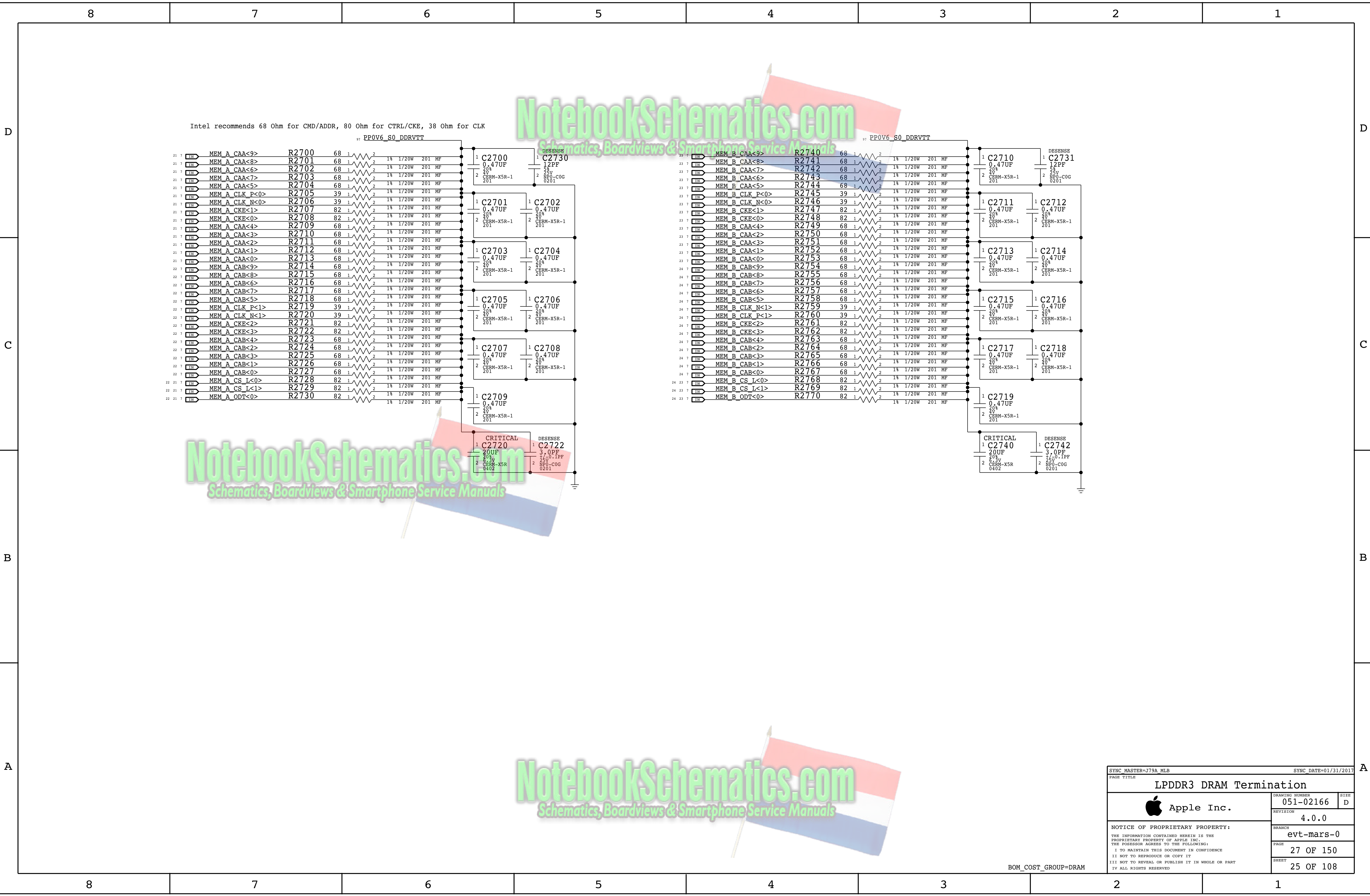
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SYNC MASTER-J79A MLB		SYNC DATE=01/31/2017	
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BOM COST GROUP=DRAM





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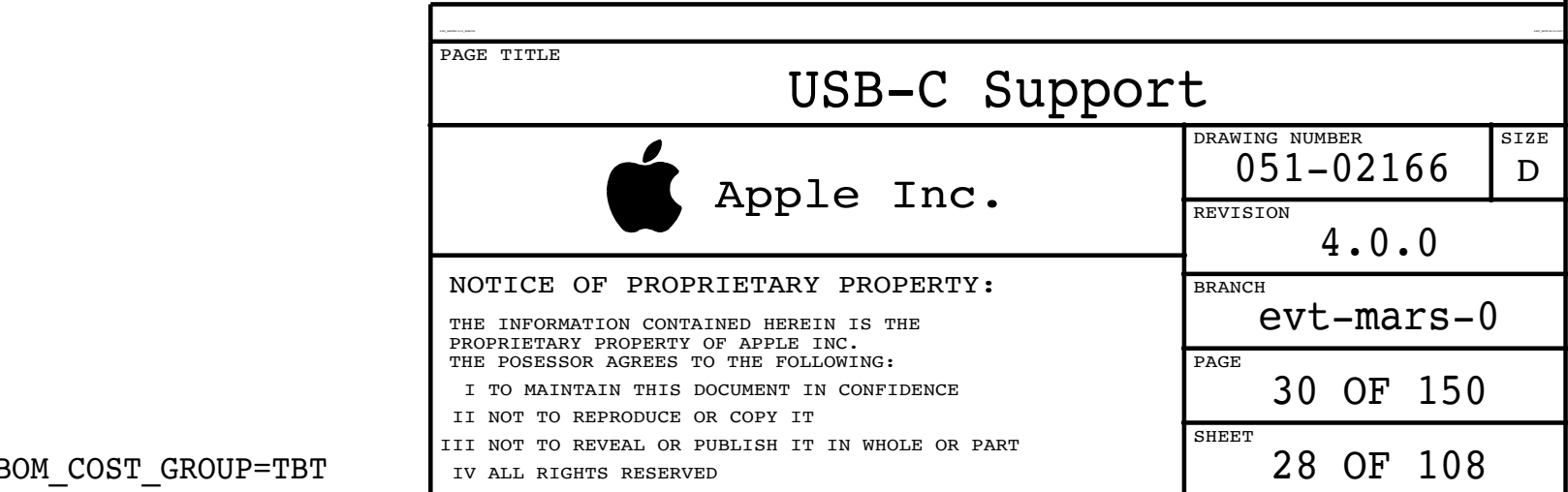
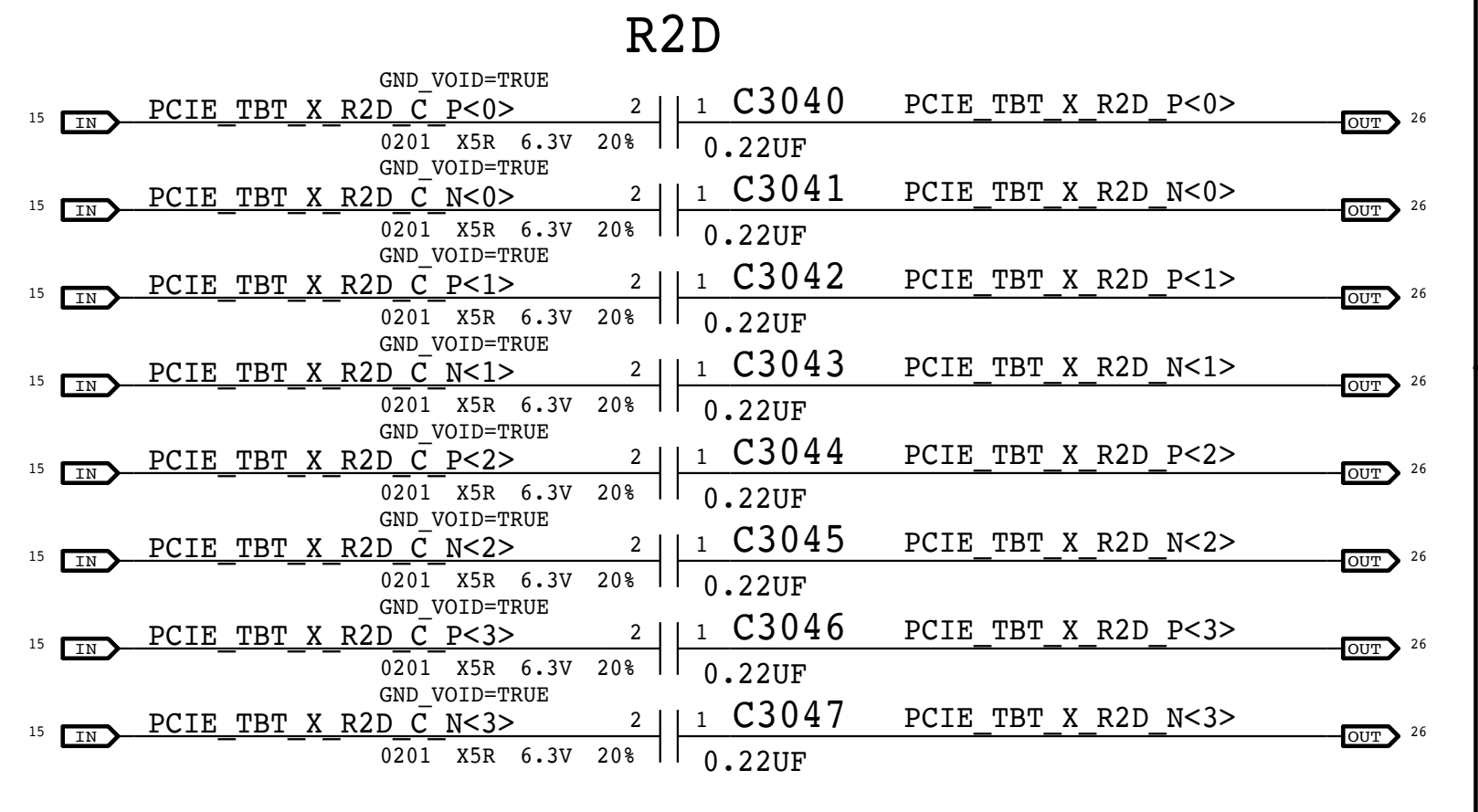
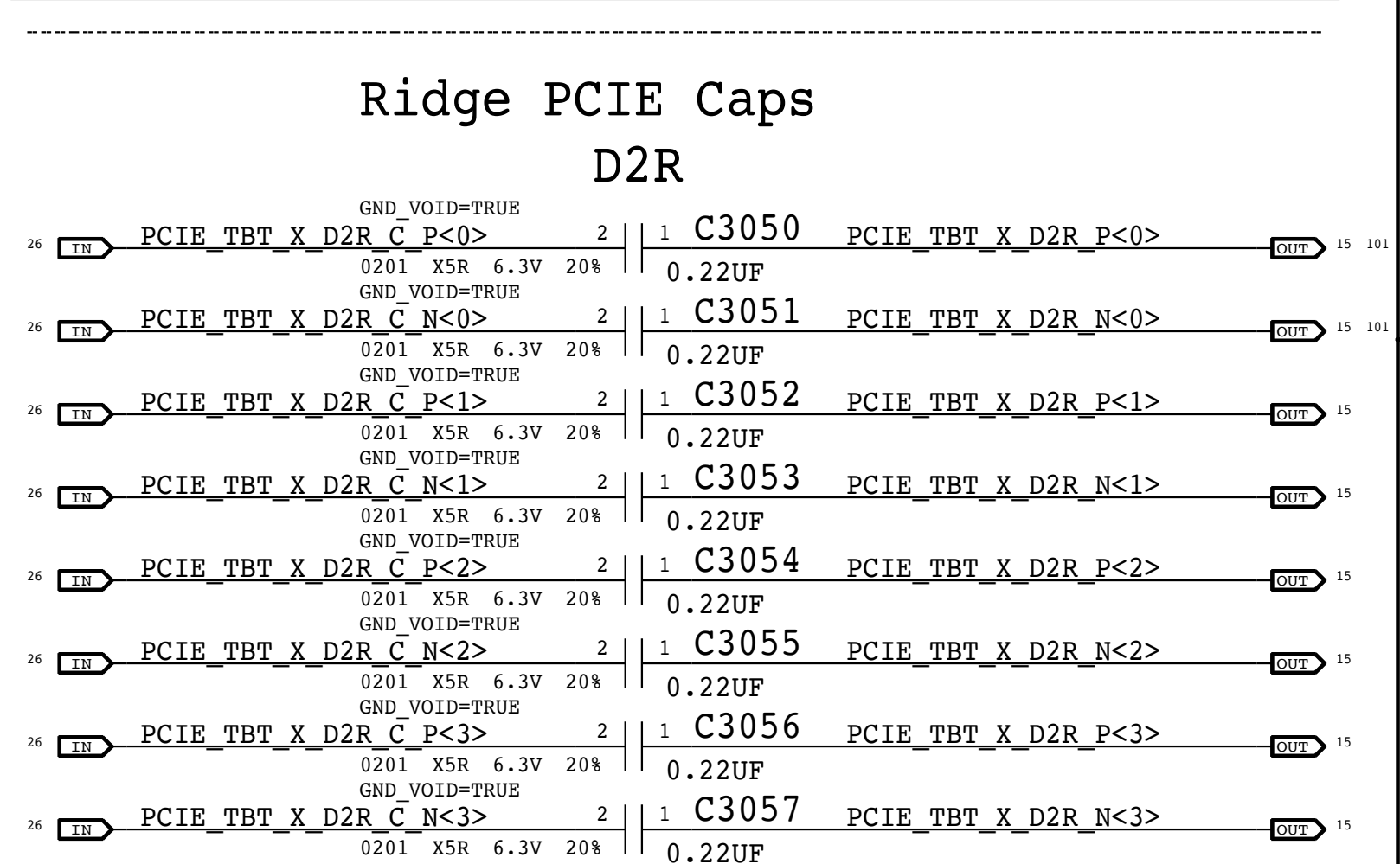
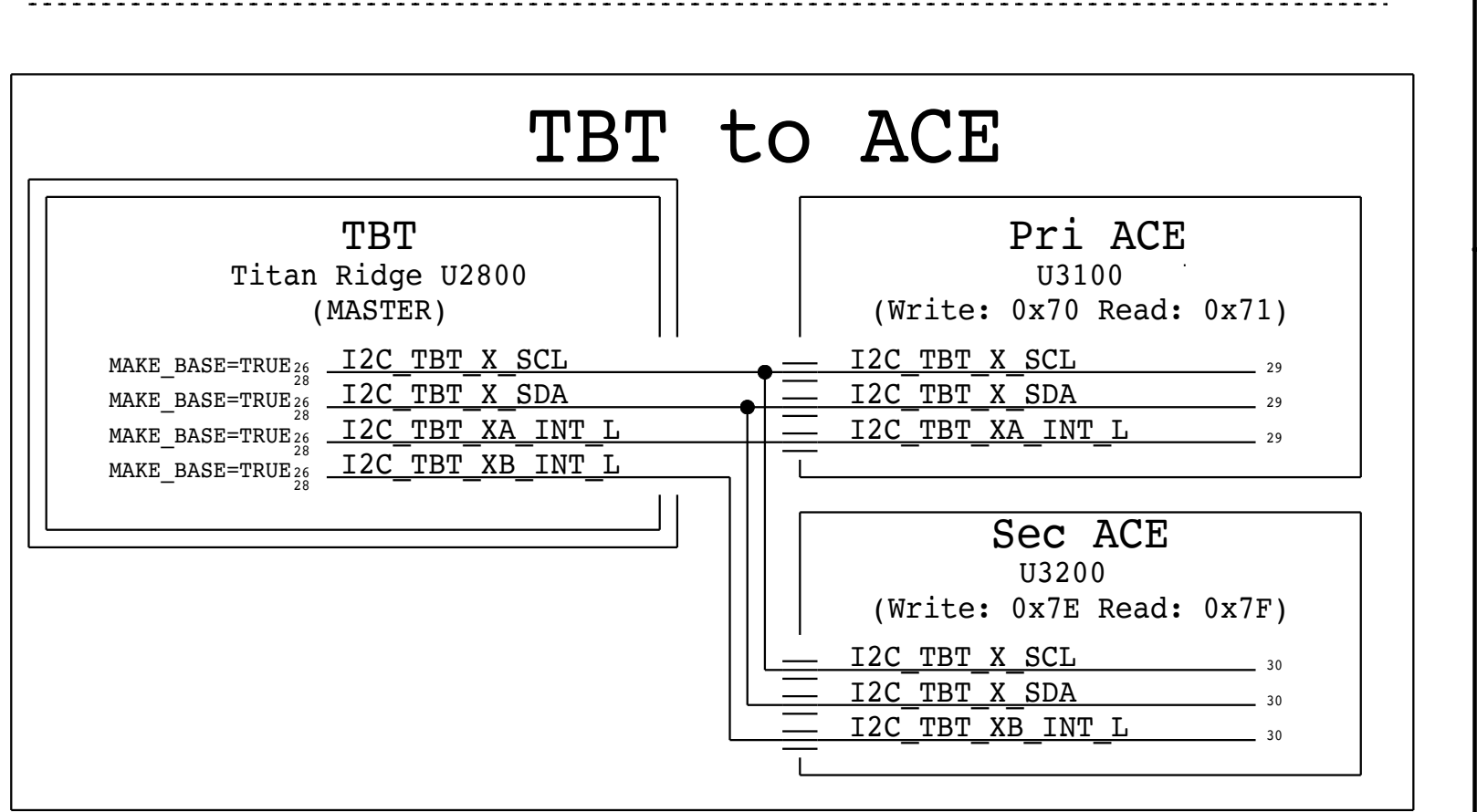
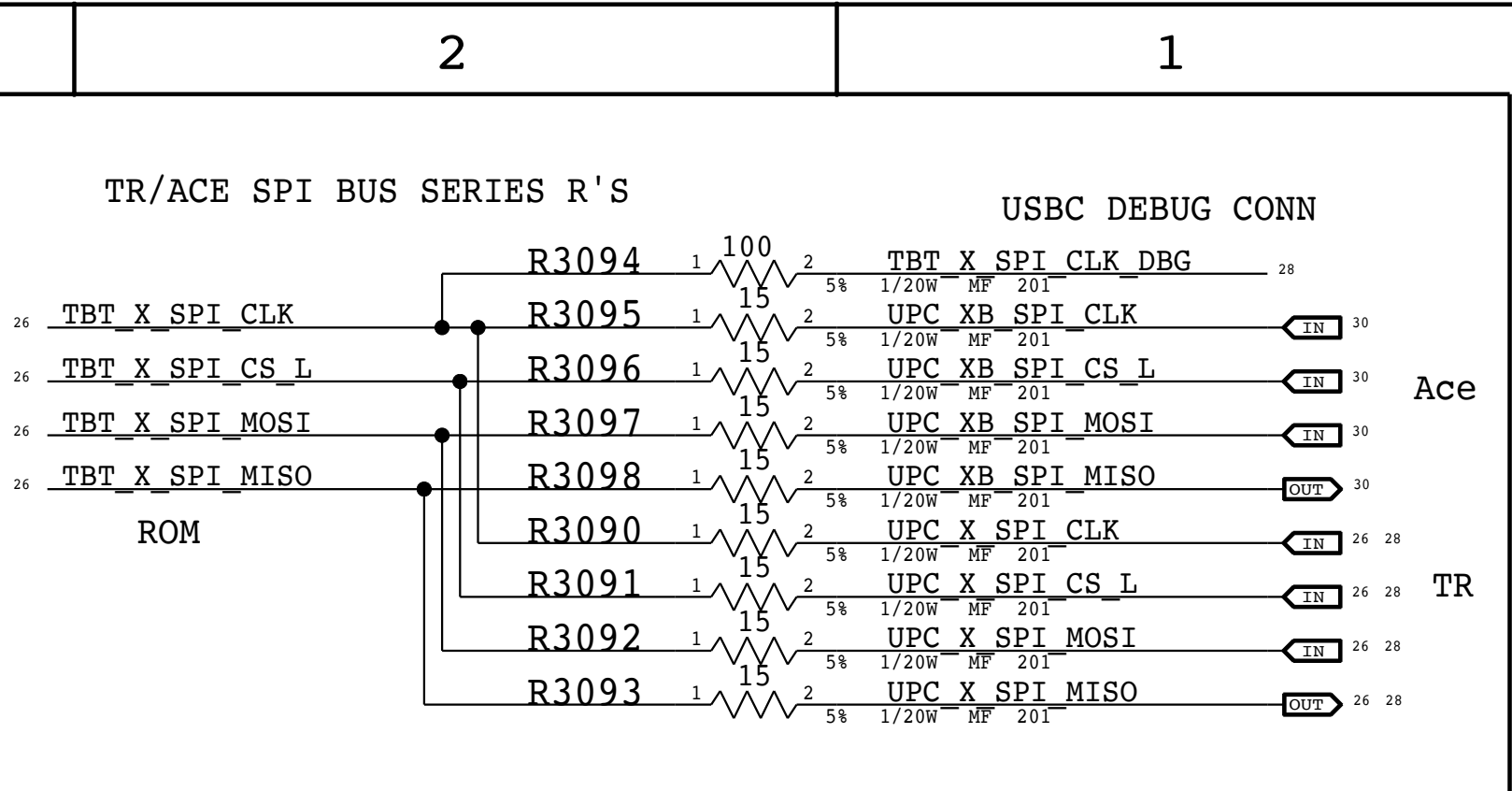
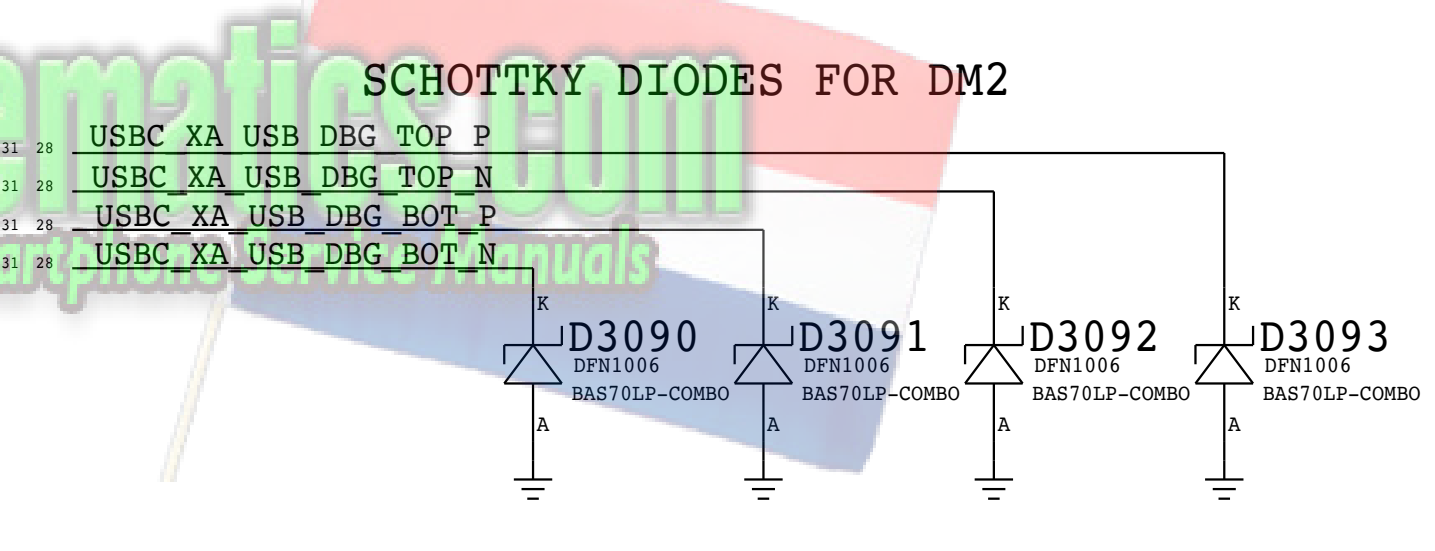
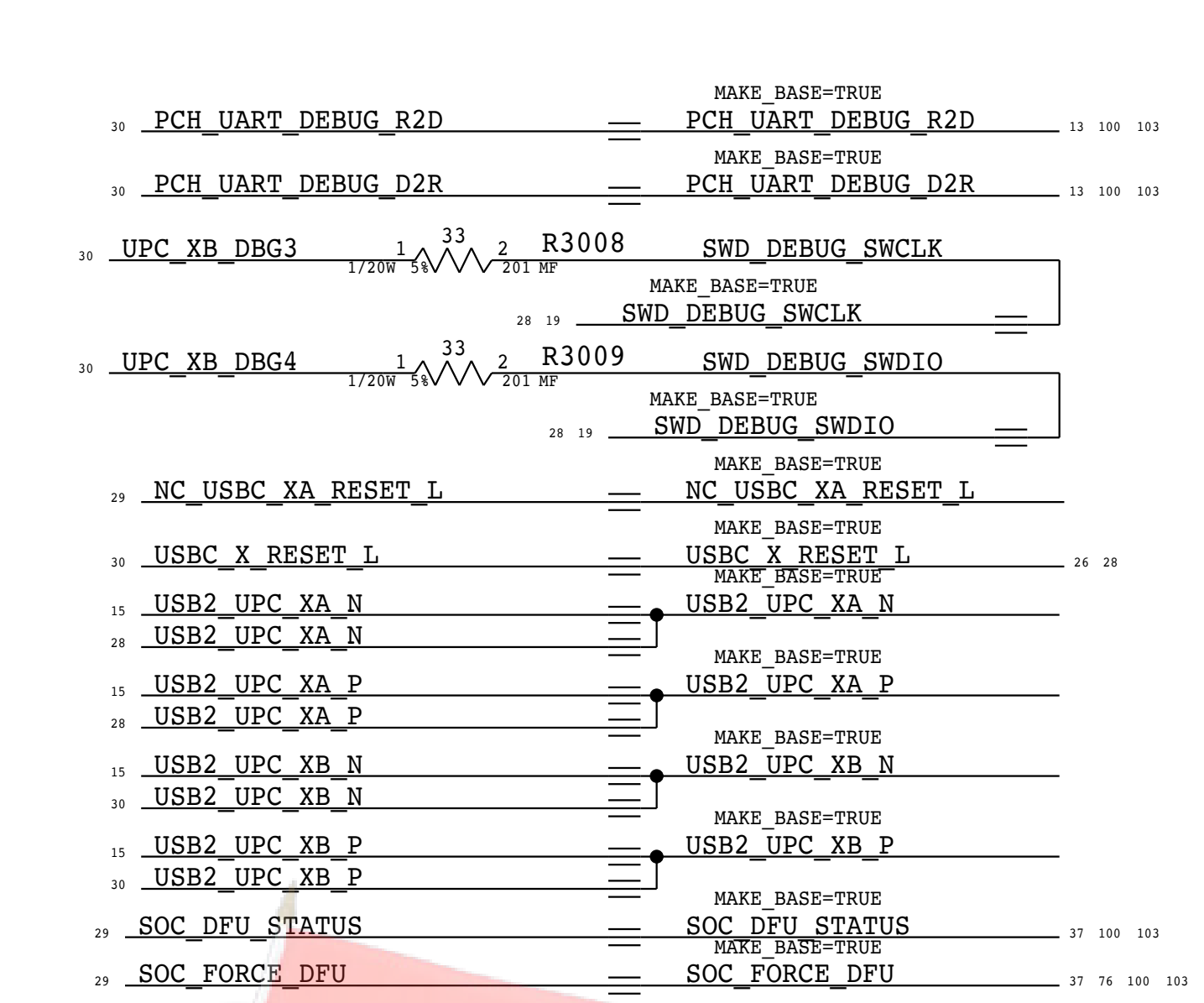
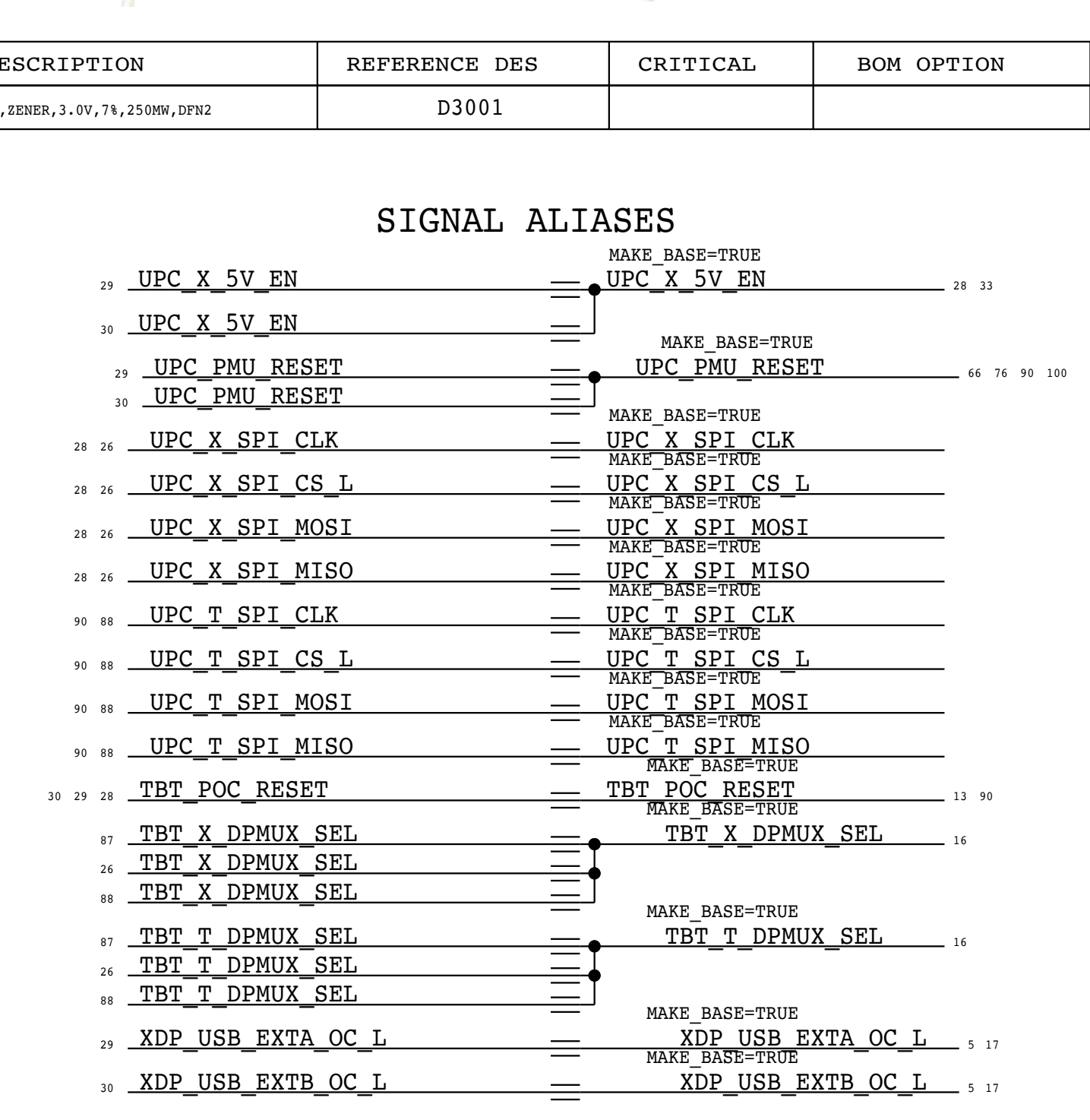
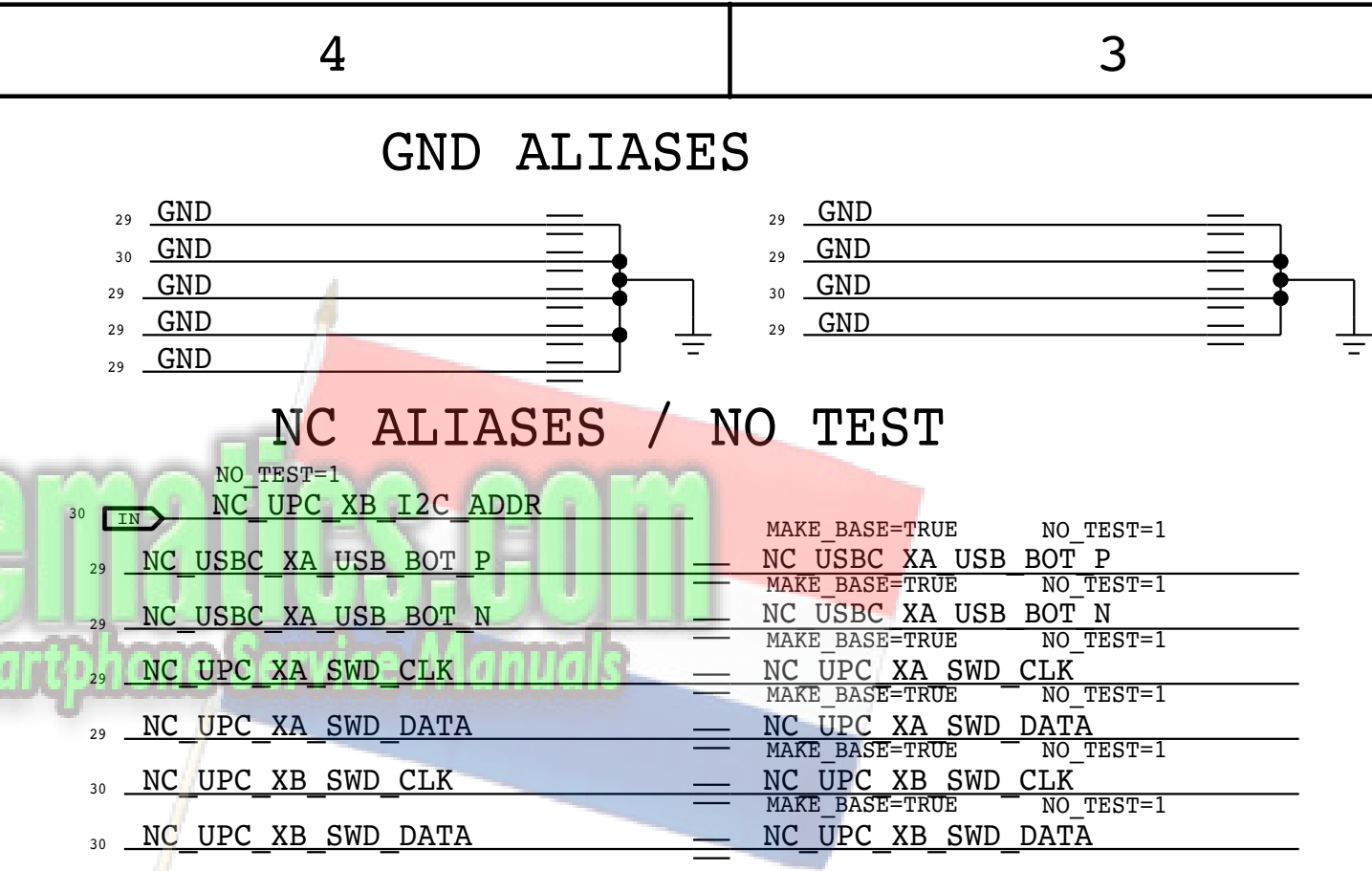
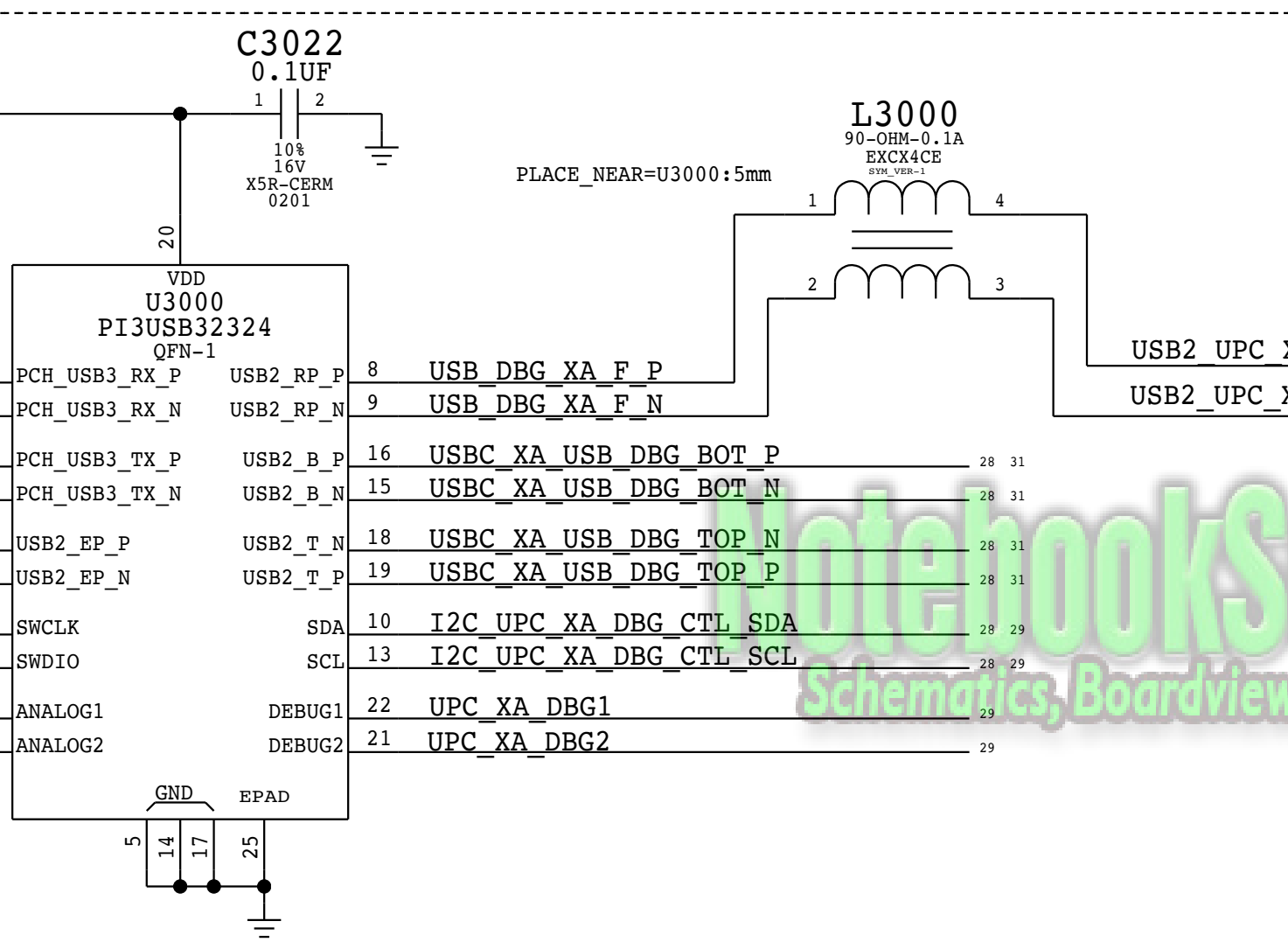
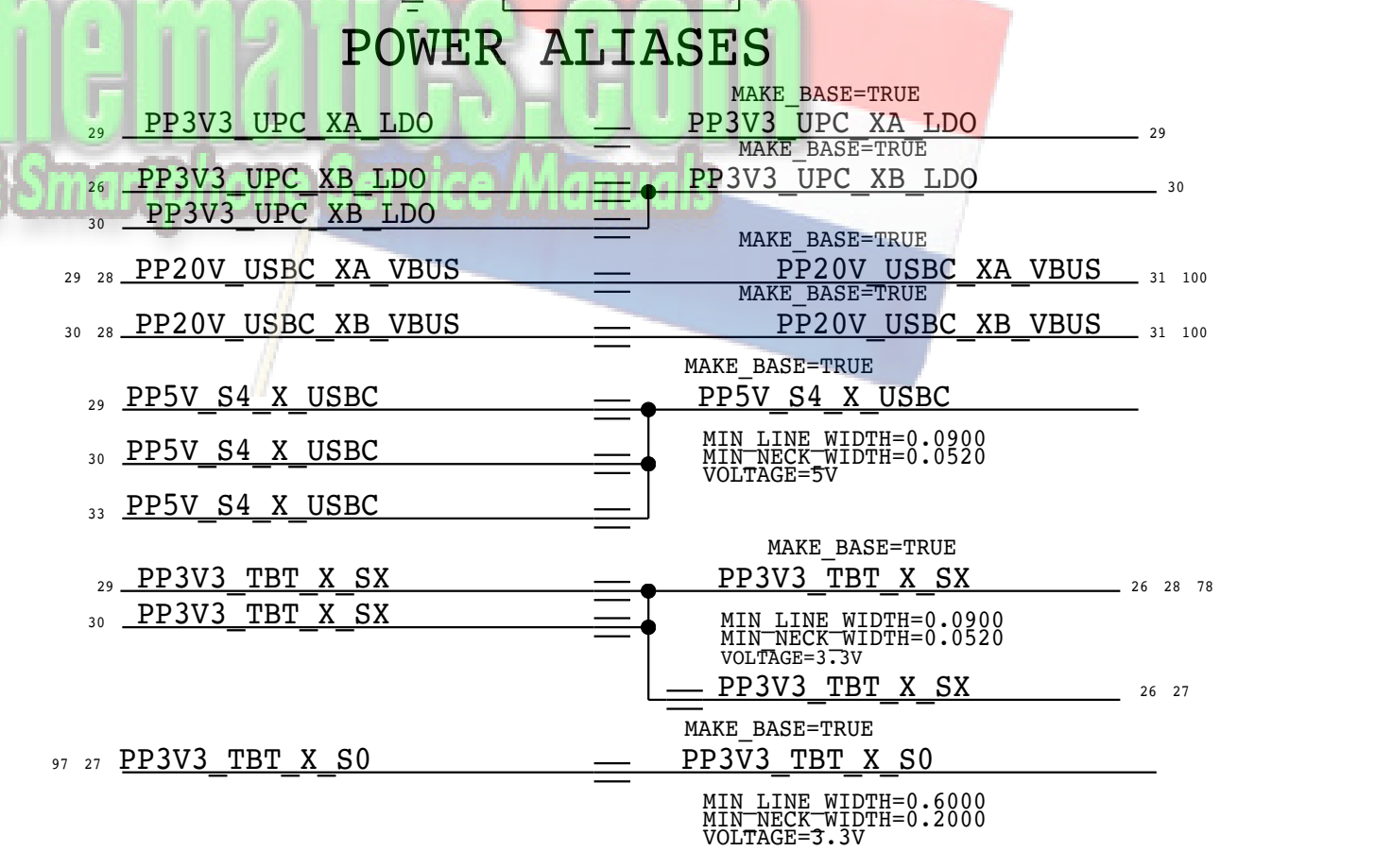
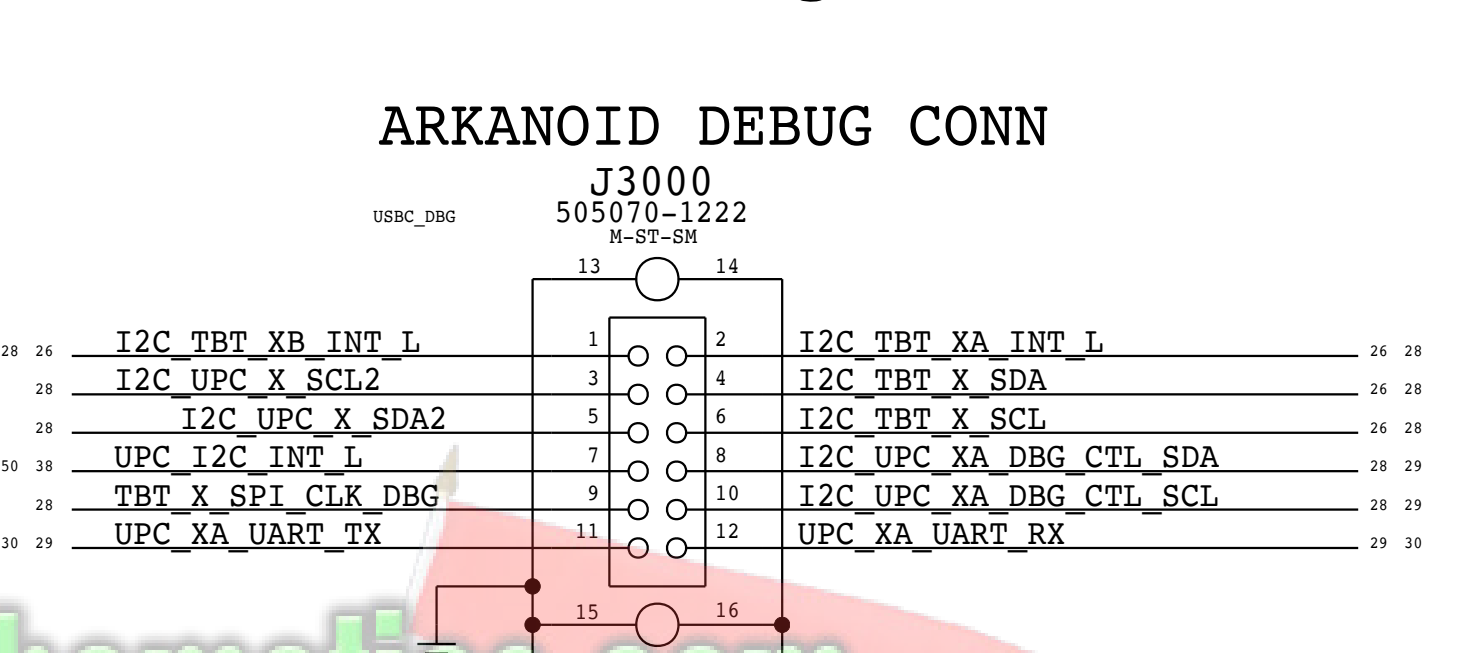
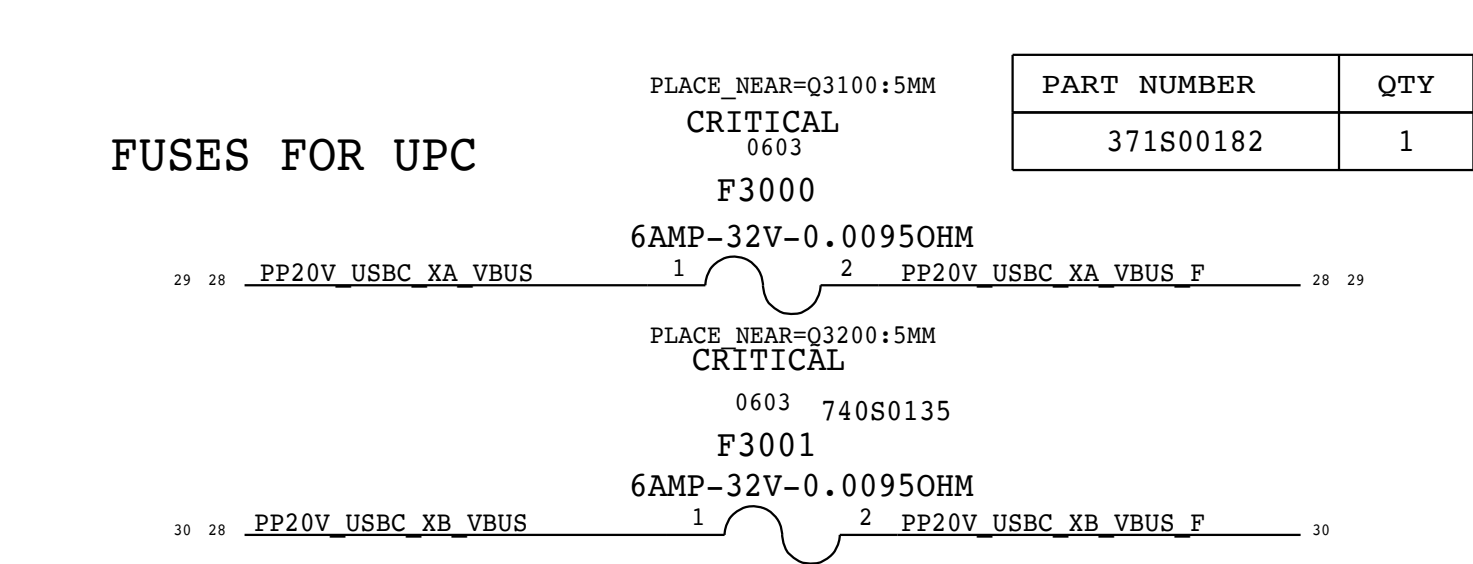
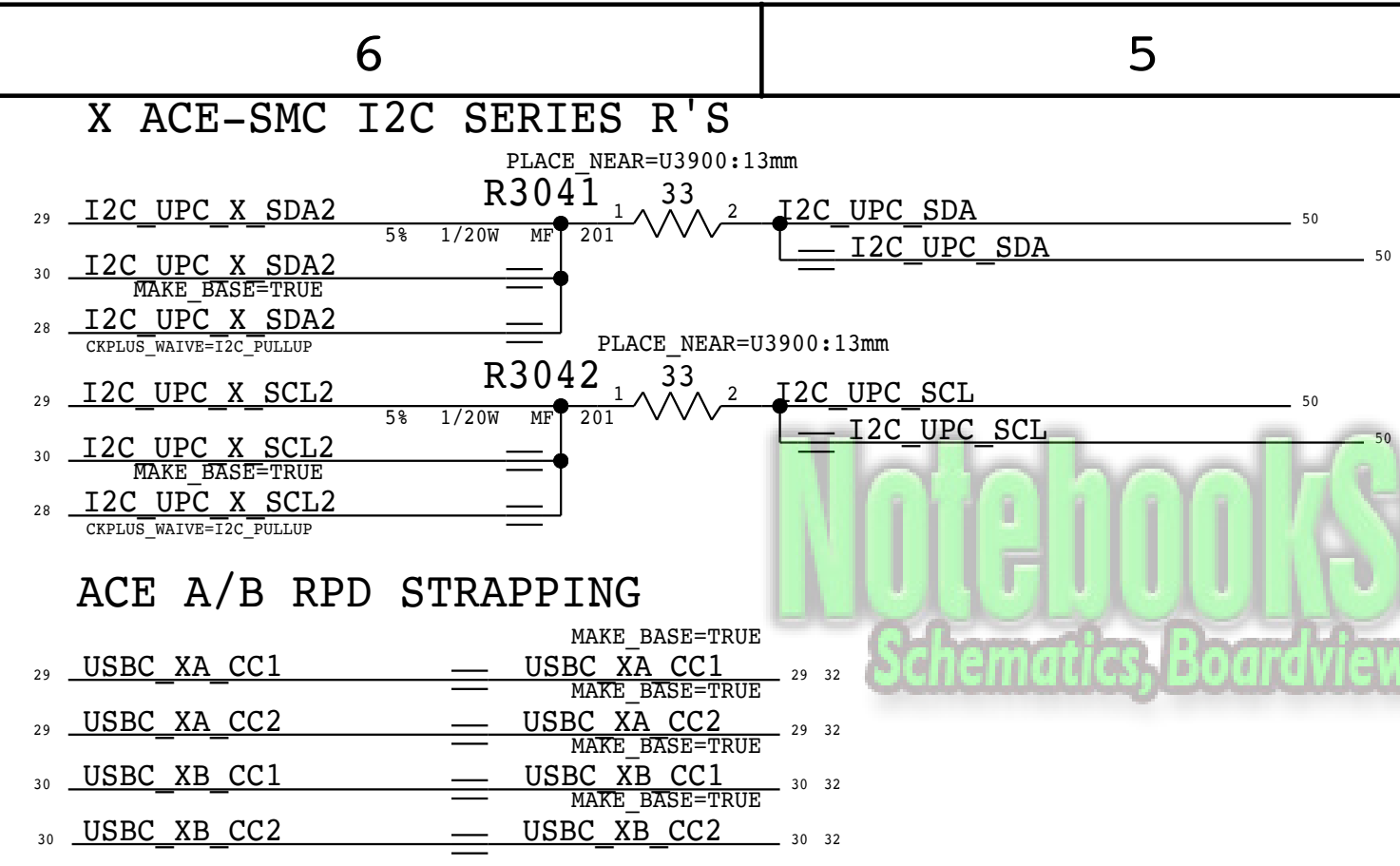
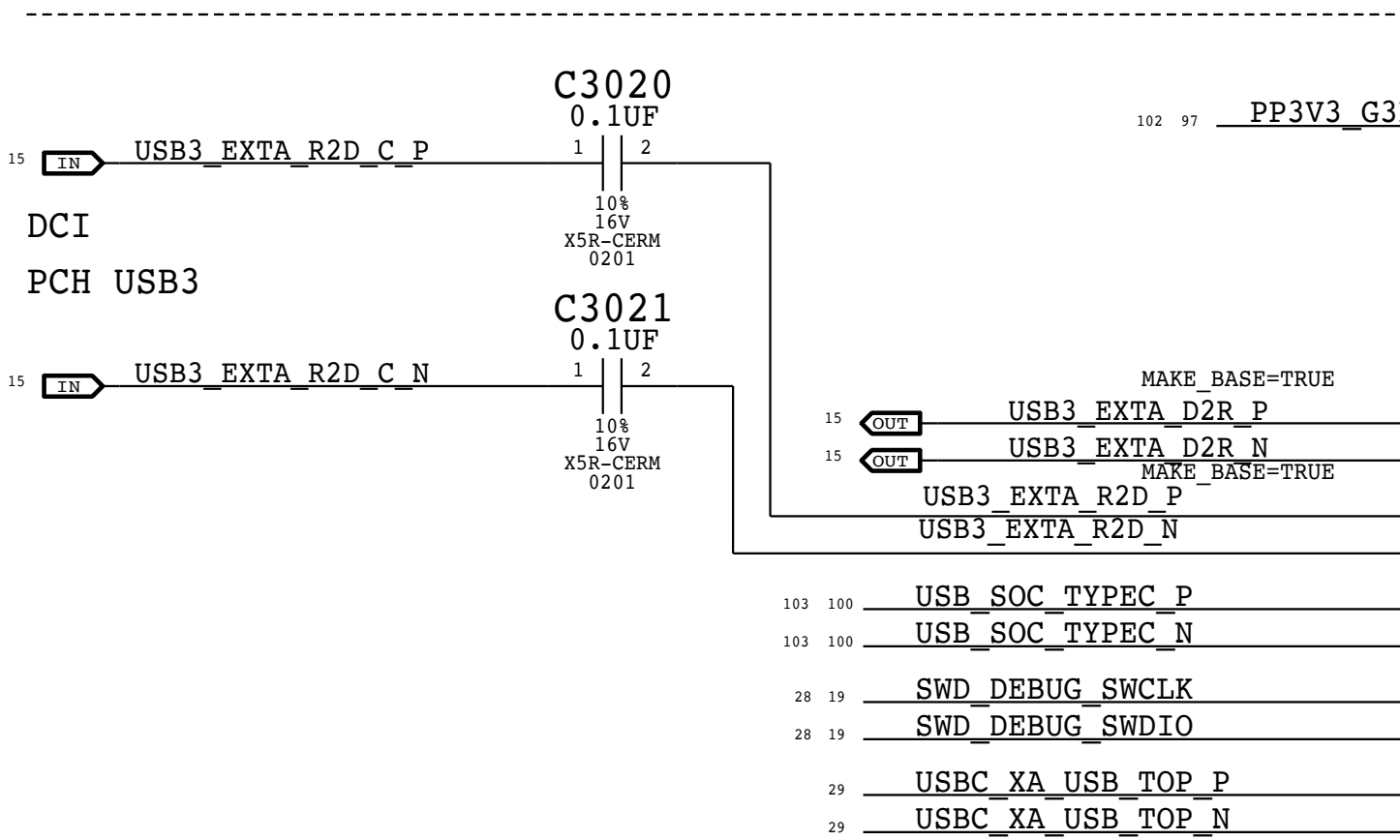
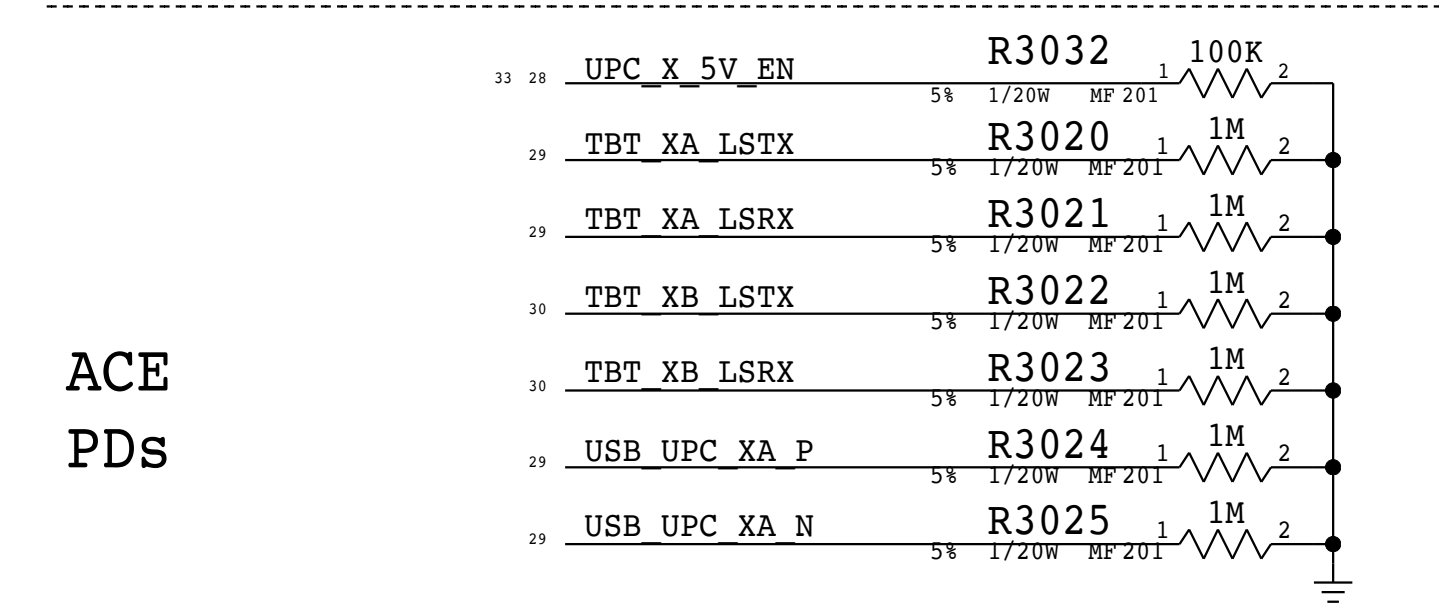
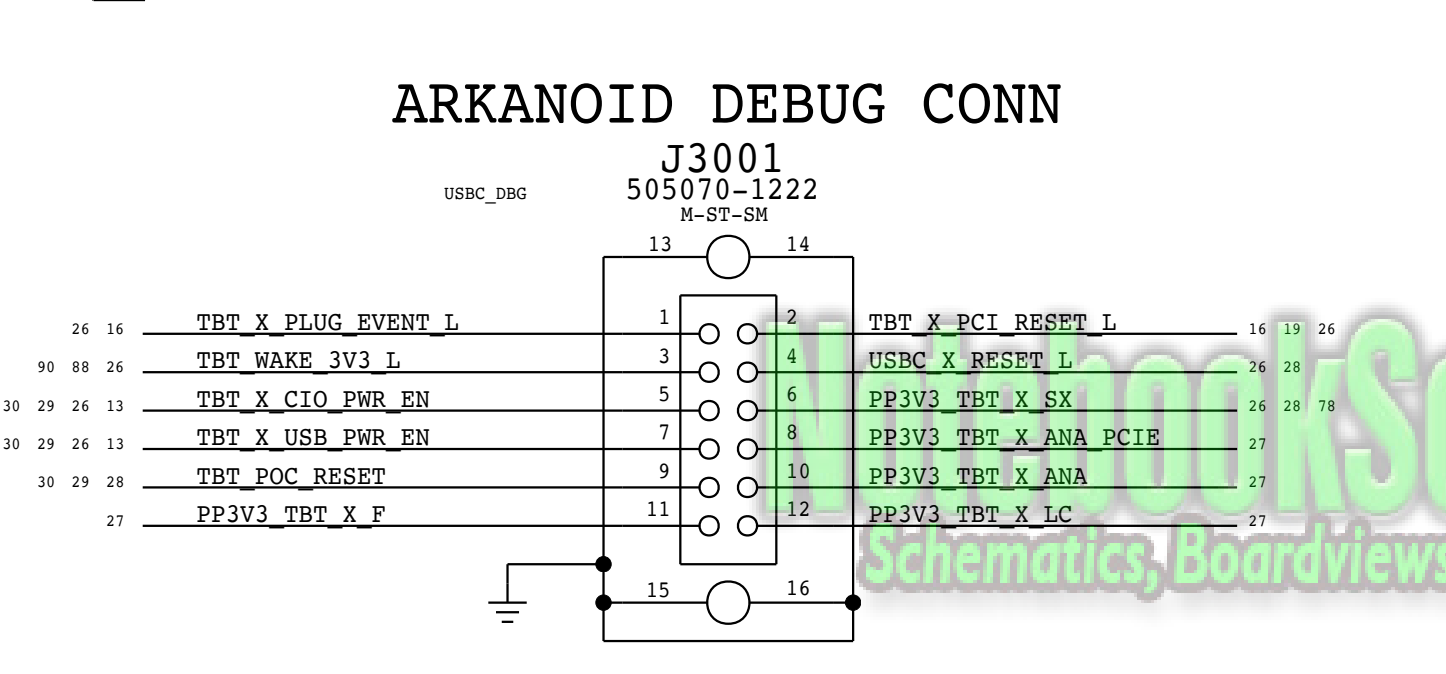
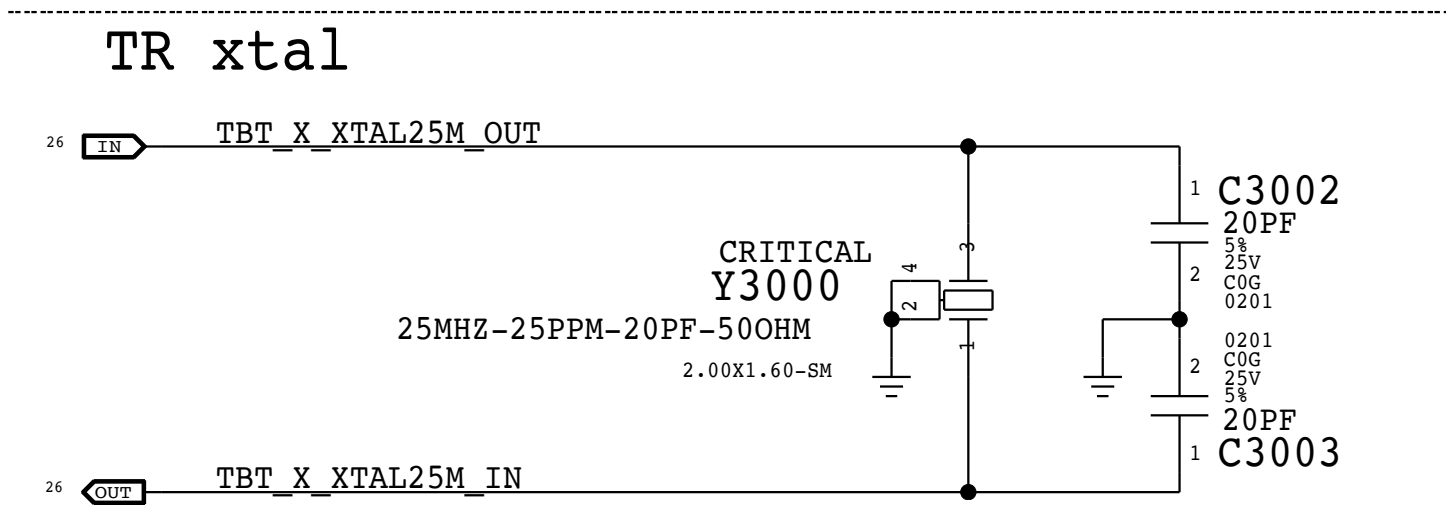
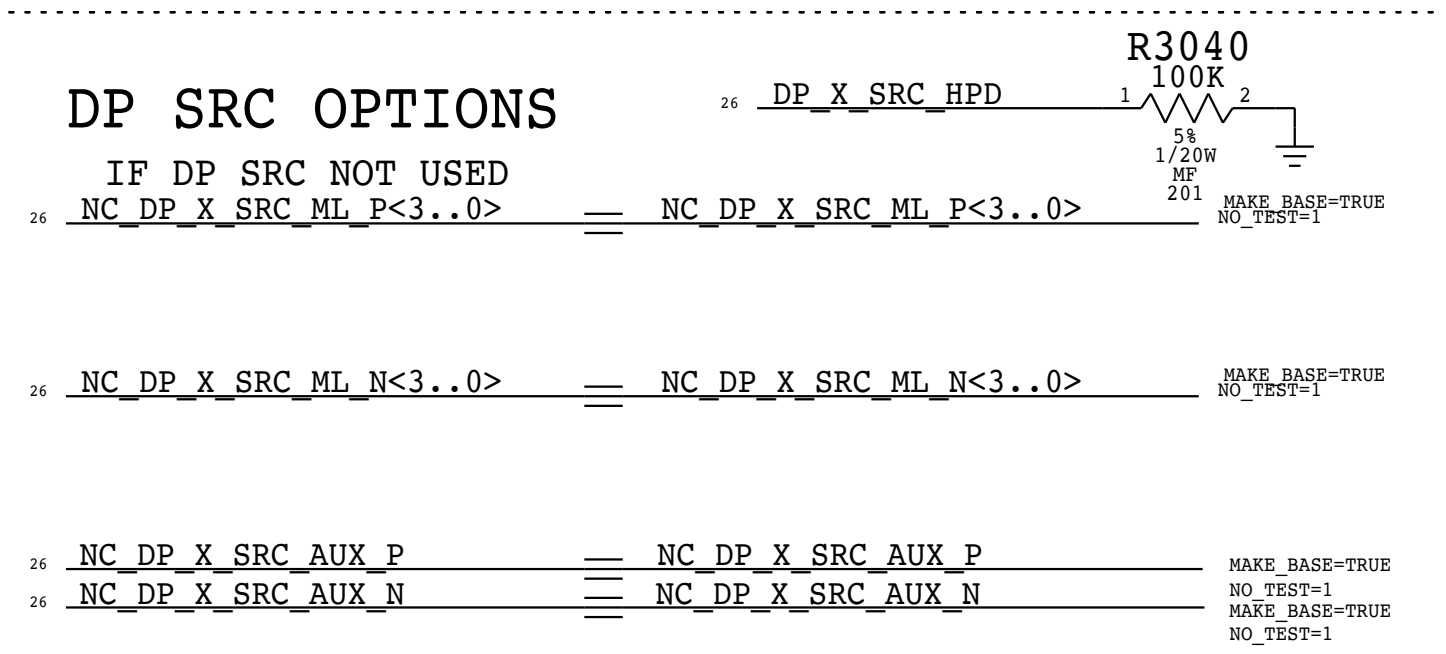
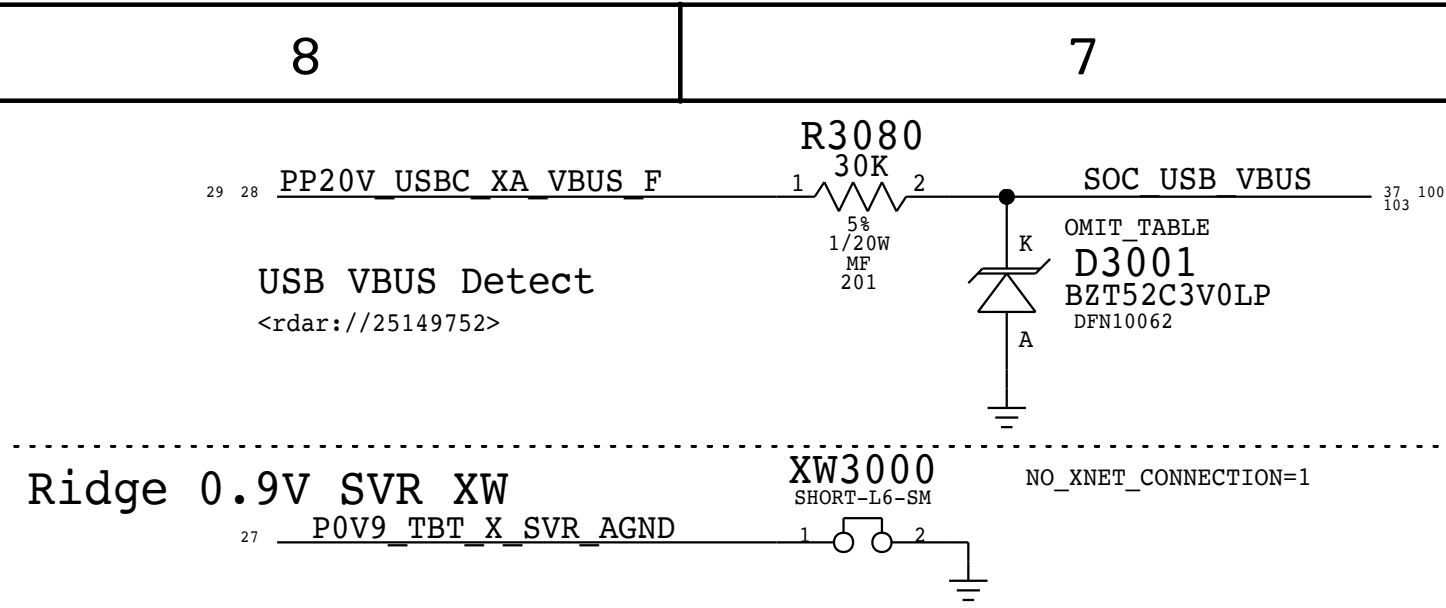















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		SHEET	29 OF 108



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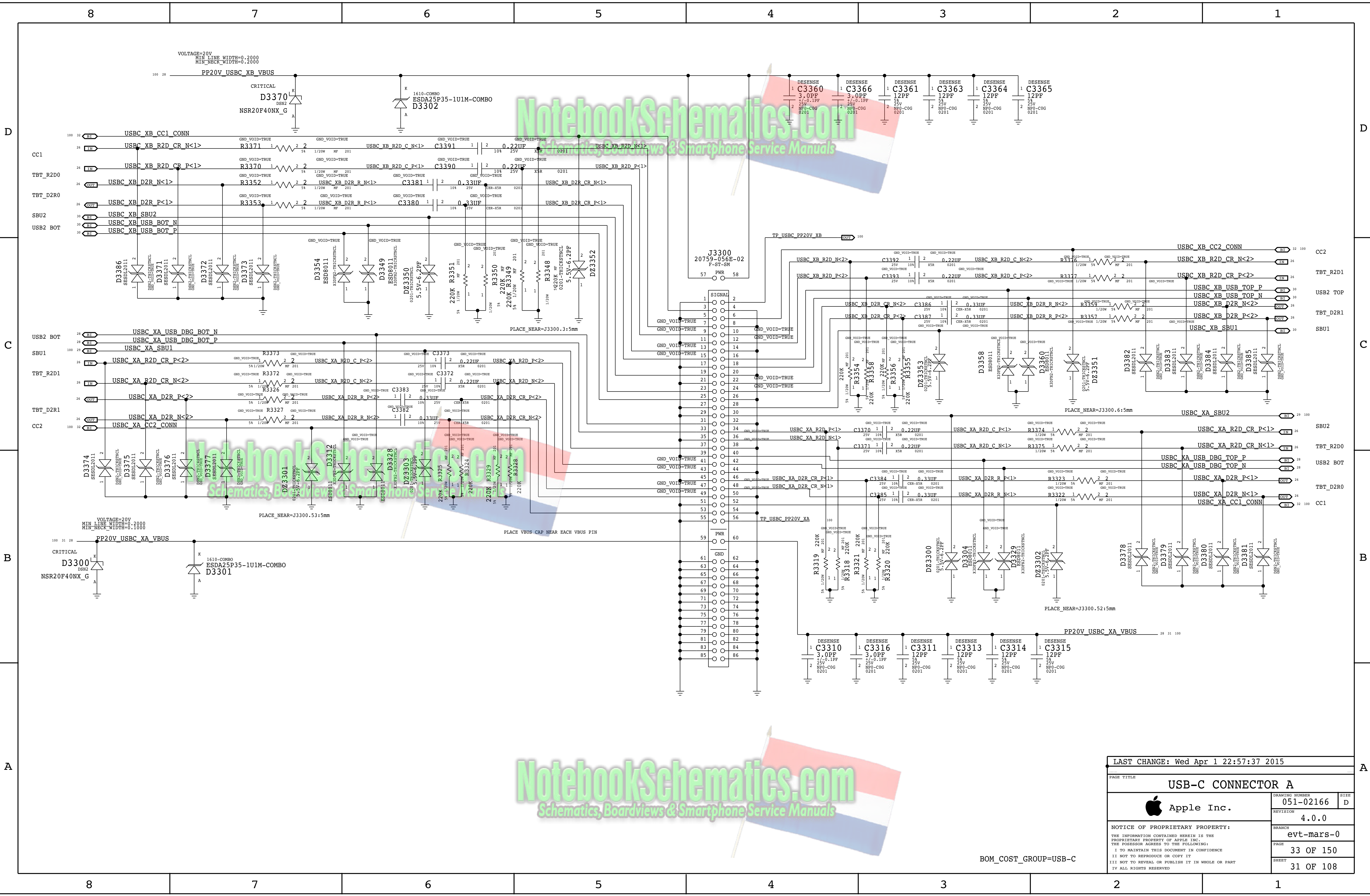
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BOM COST GROUP=USB-C







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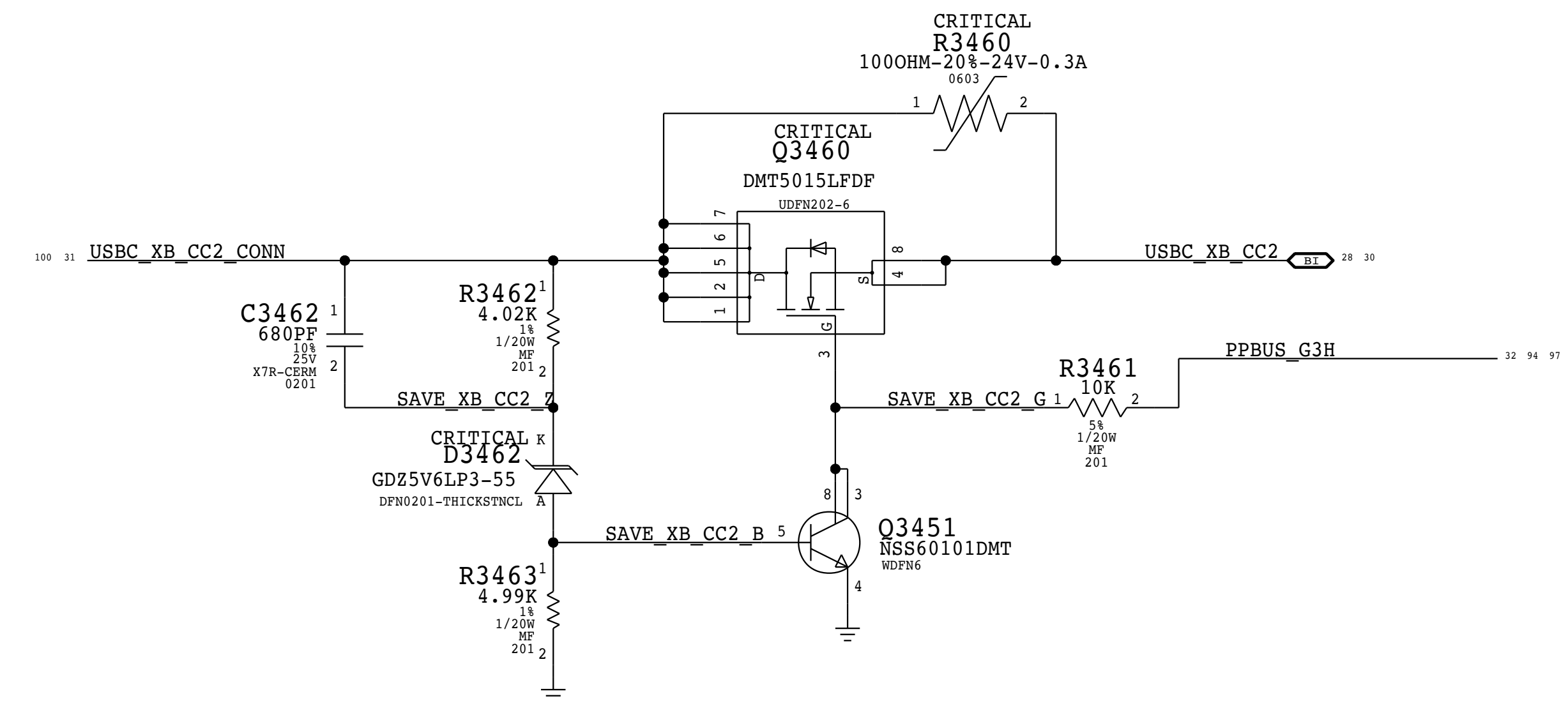
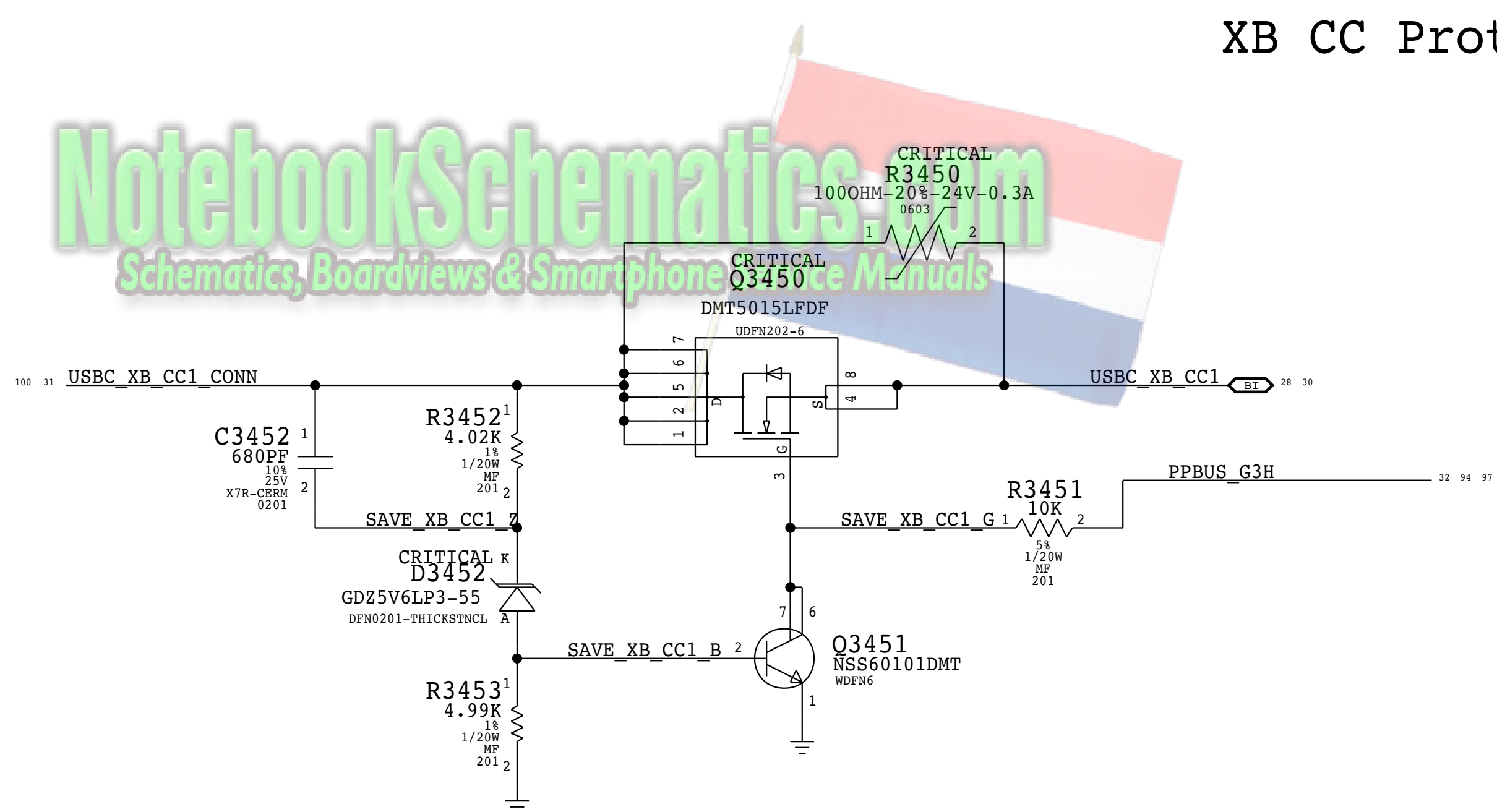
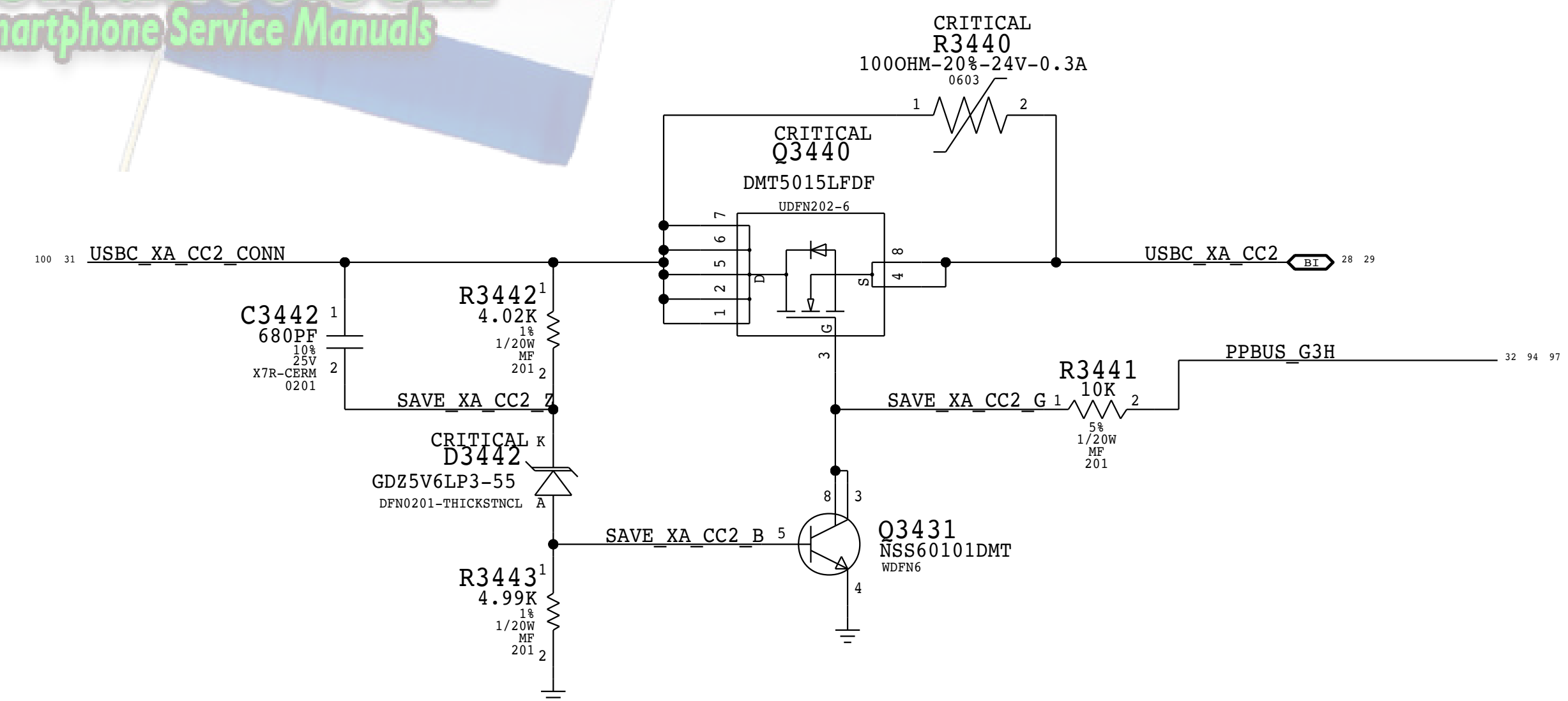
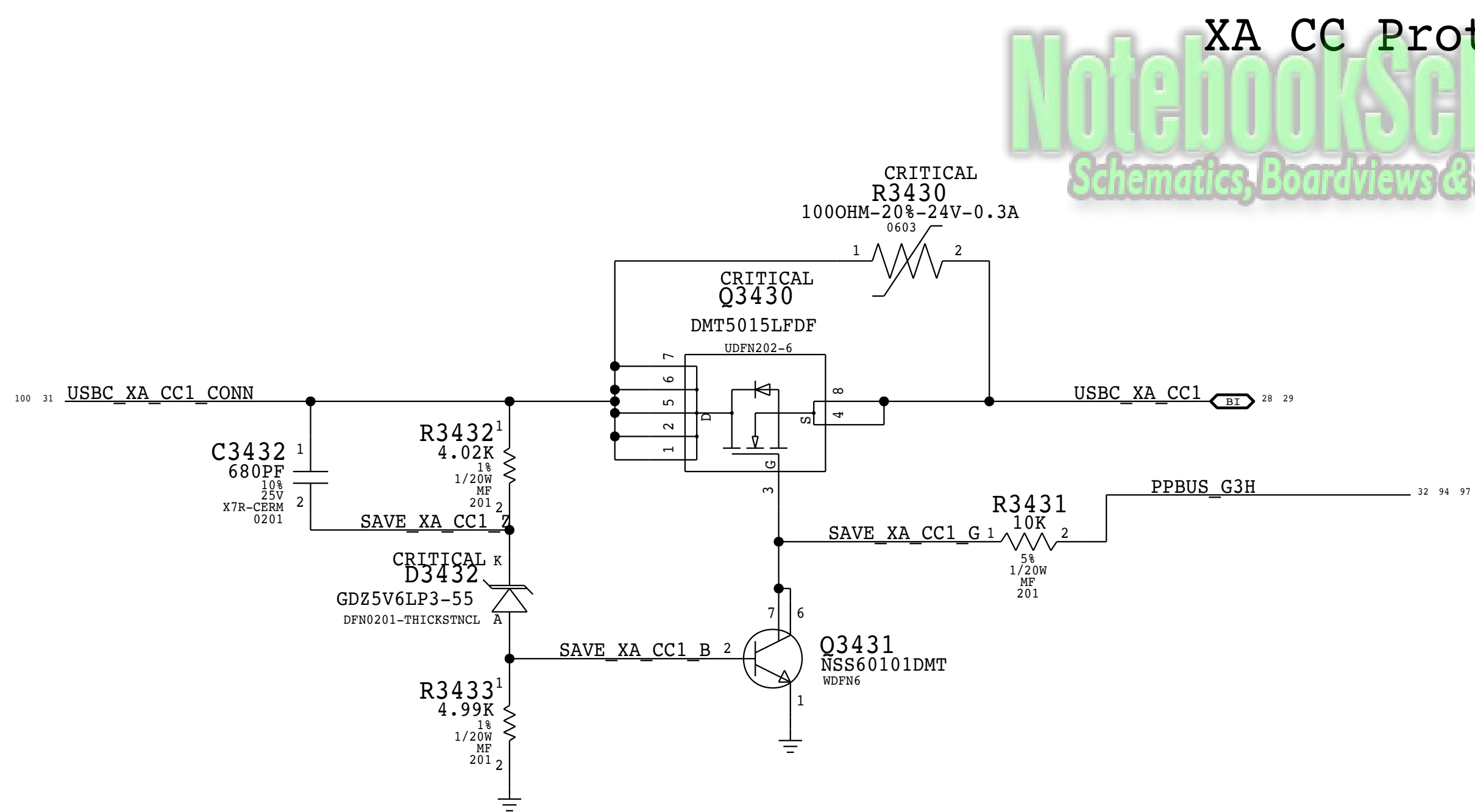
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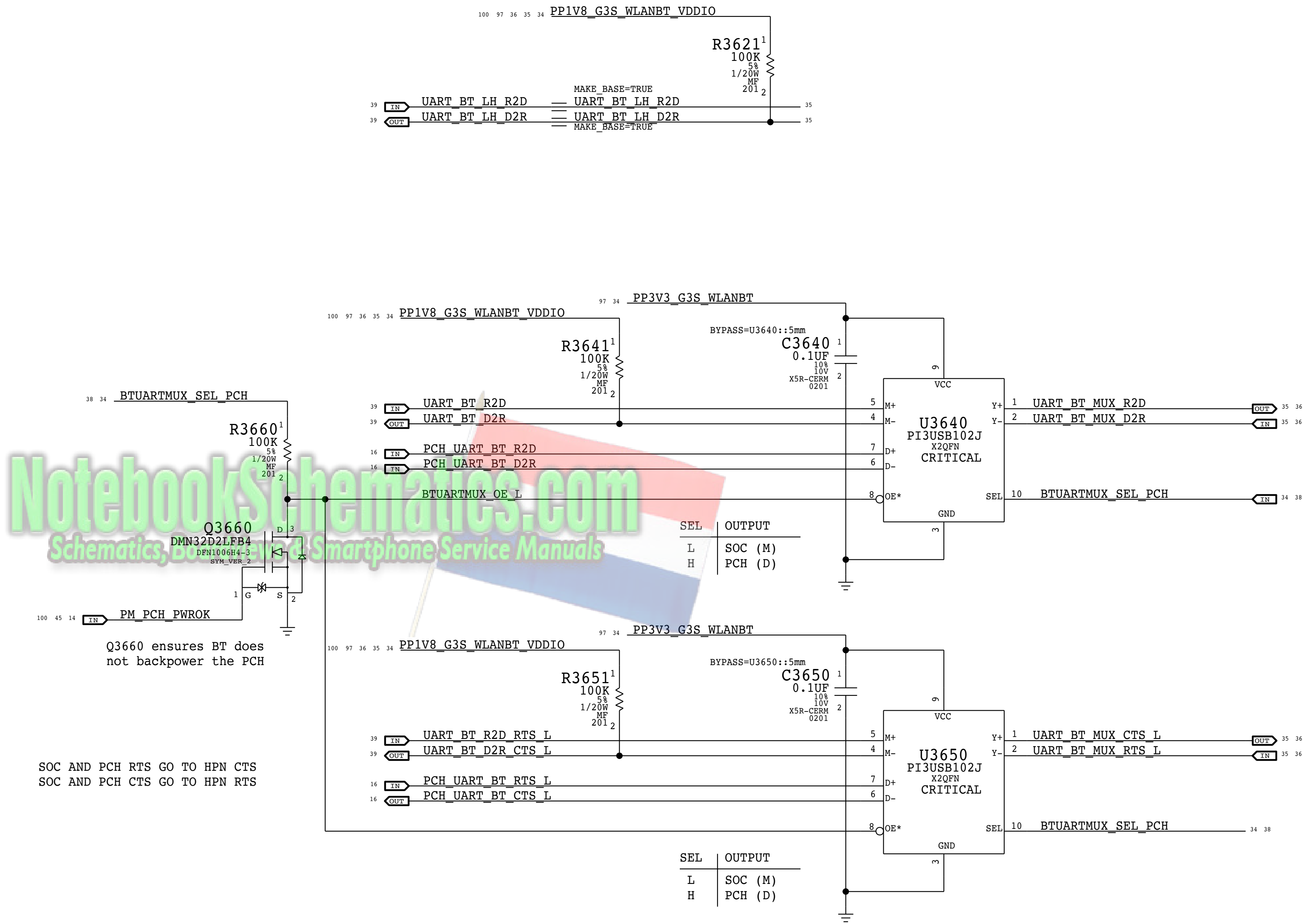
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Software	I2S_SEL	UART_SEL	I2S I/F	UART I/F
Gen1 (macOS)	0	1	UART (PCH)	UART (PCH)
Gen1 (Bootcamp)	1	1	I2S (PCH)	UART (PCH)
Gen2	X	0	X	UART (SOC)

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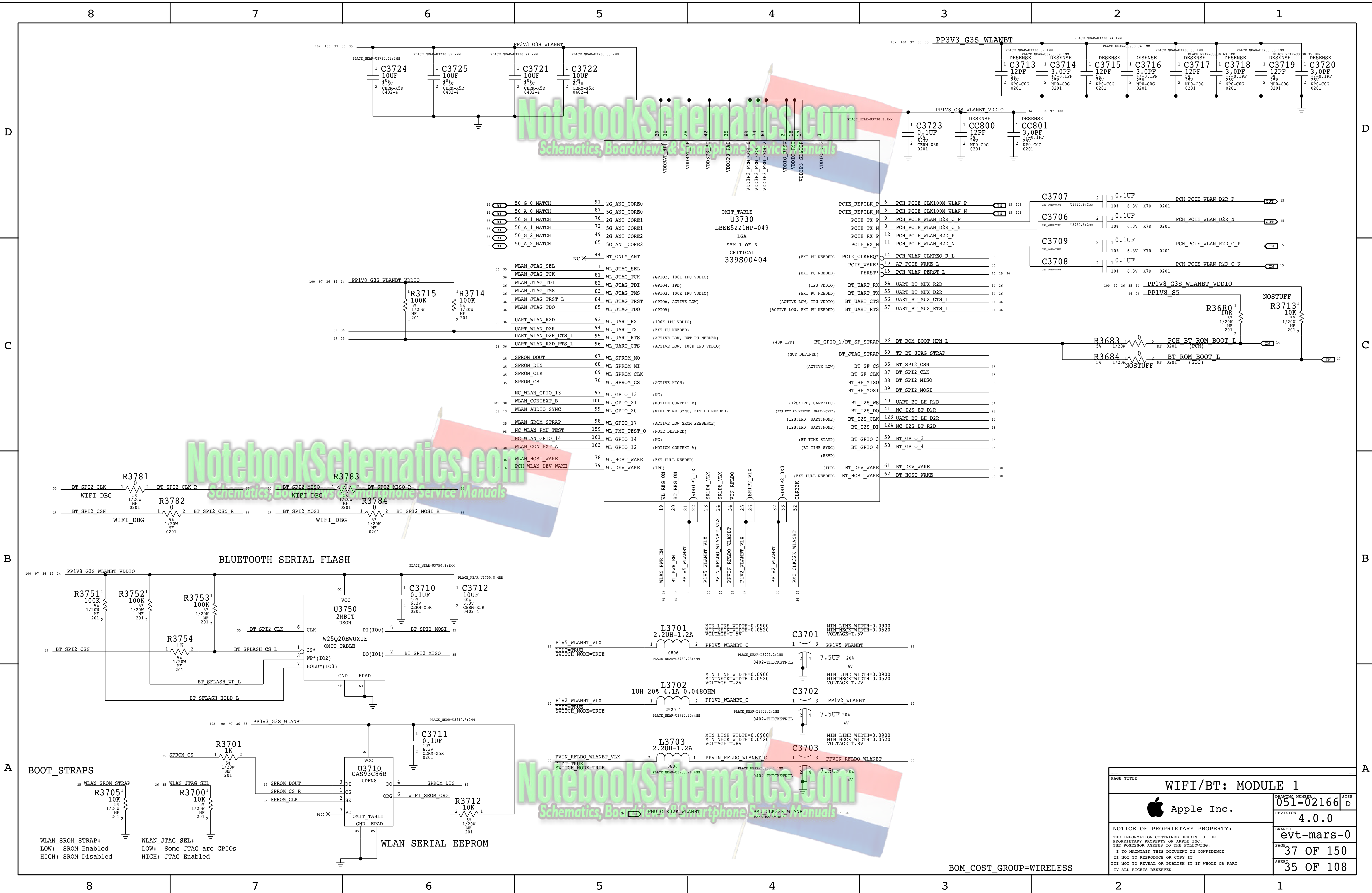


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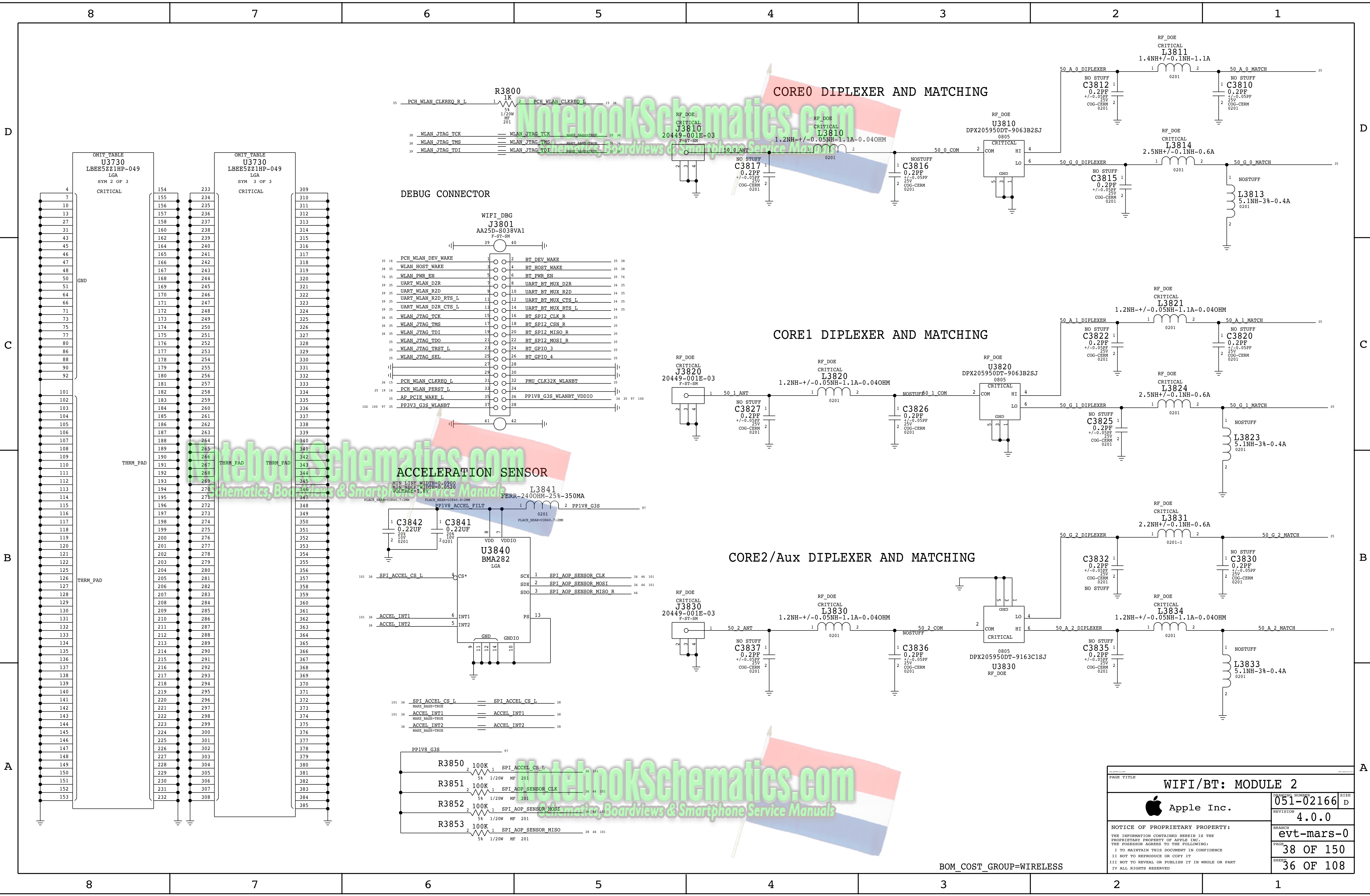
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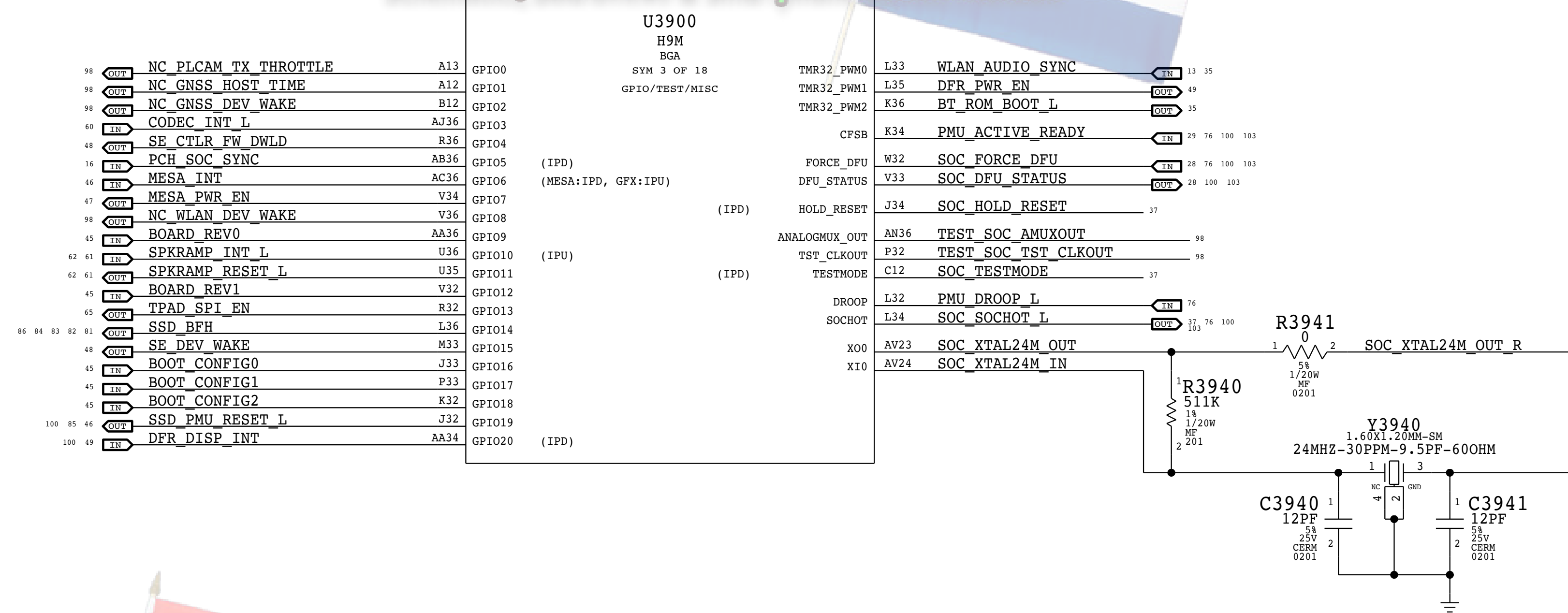




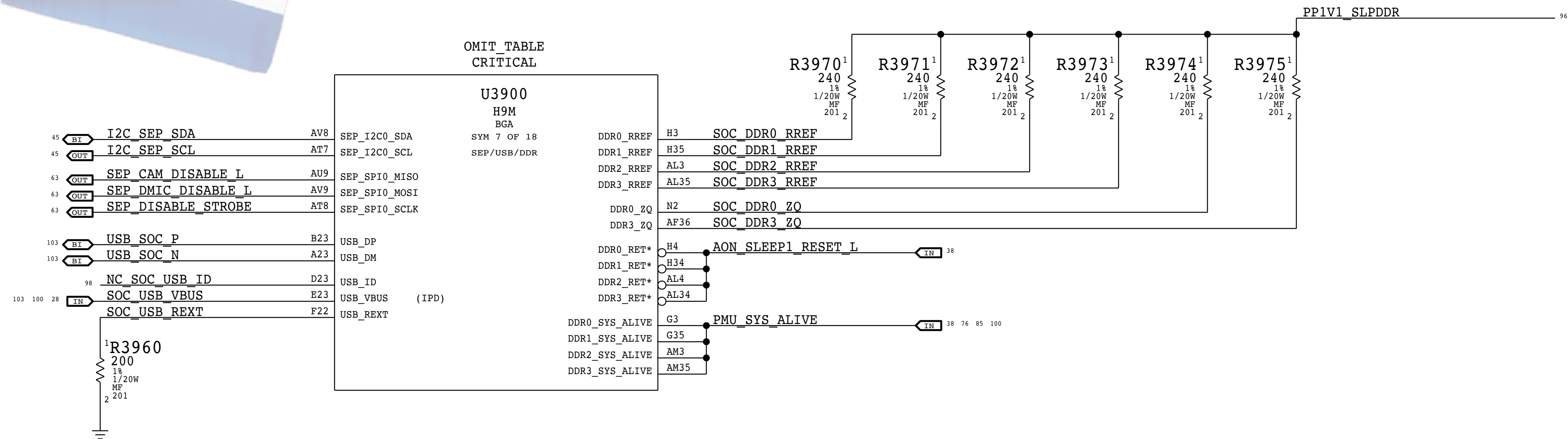
Note 1) IPU represents SW configured state, not HW default

# NotebookSchematics.com

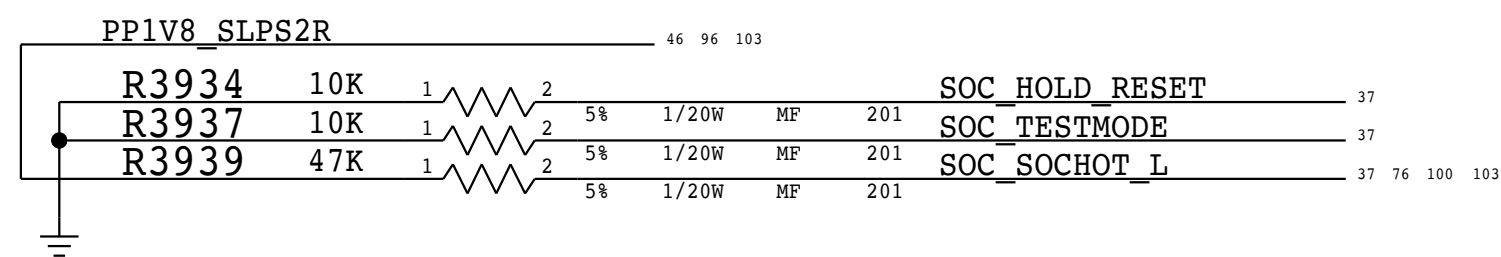
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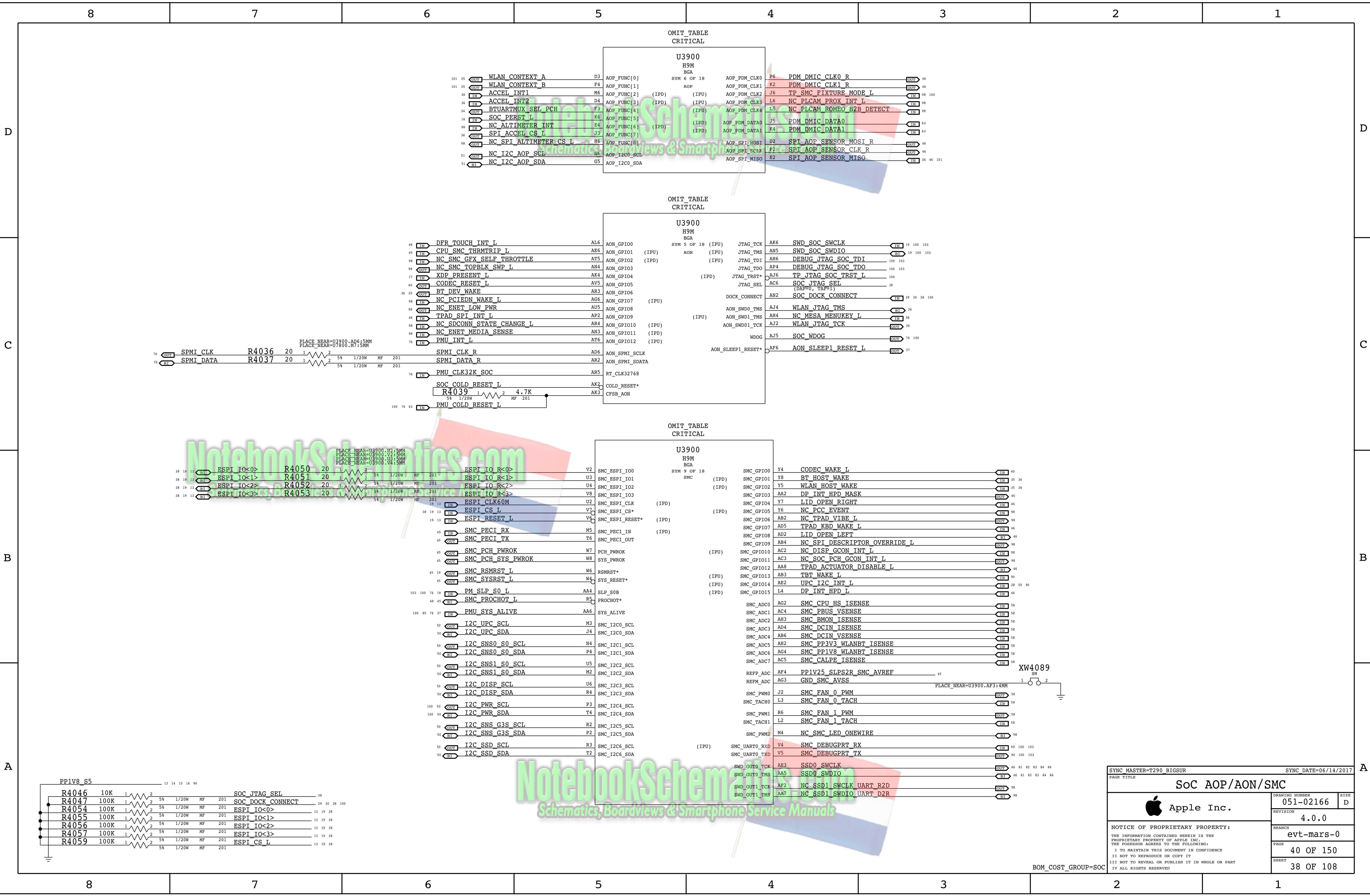
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Schematics, Boardviews & Smartphone Service Manuals




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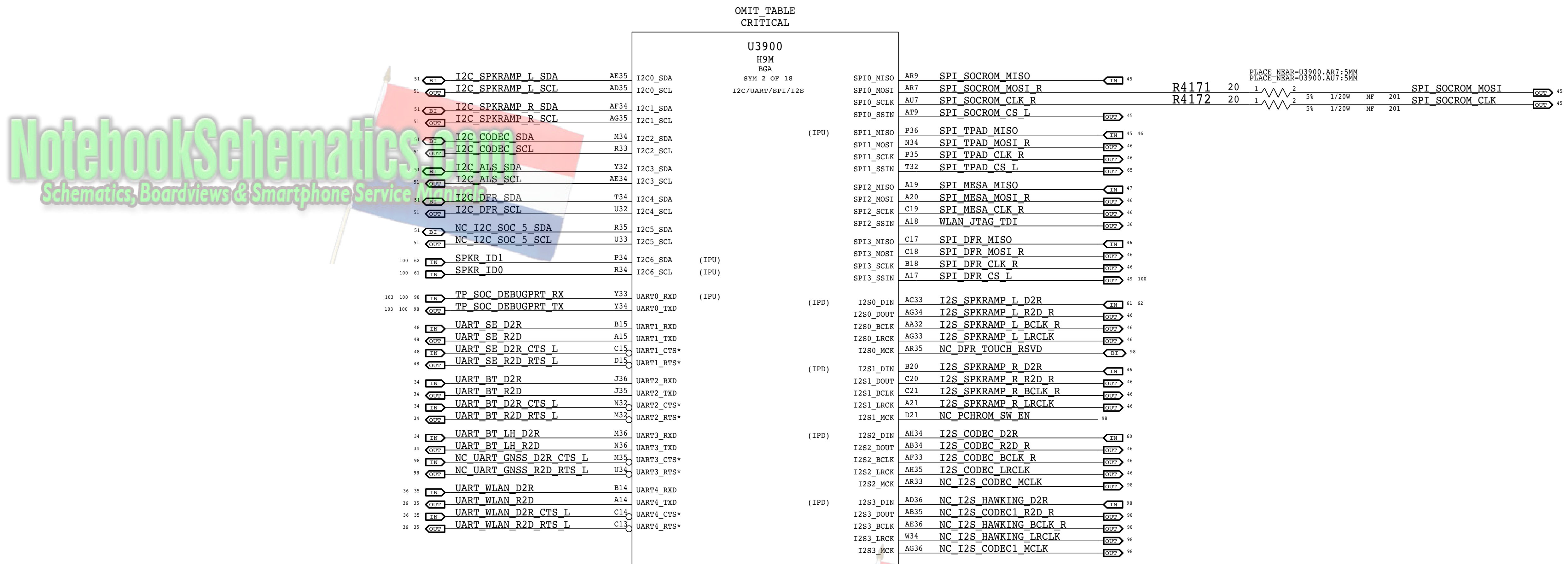
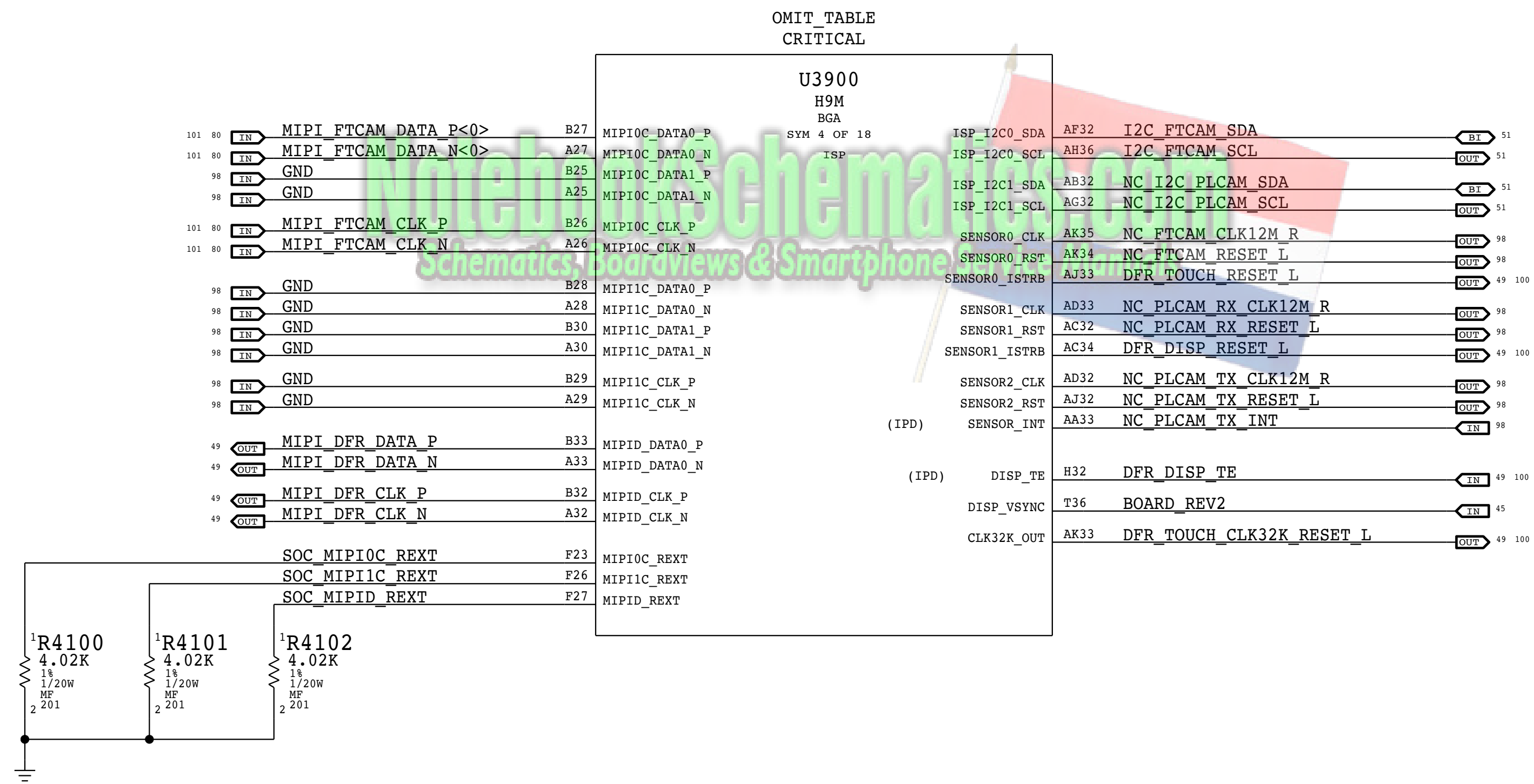
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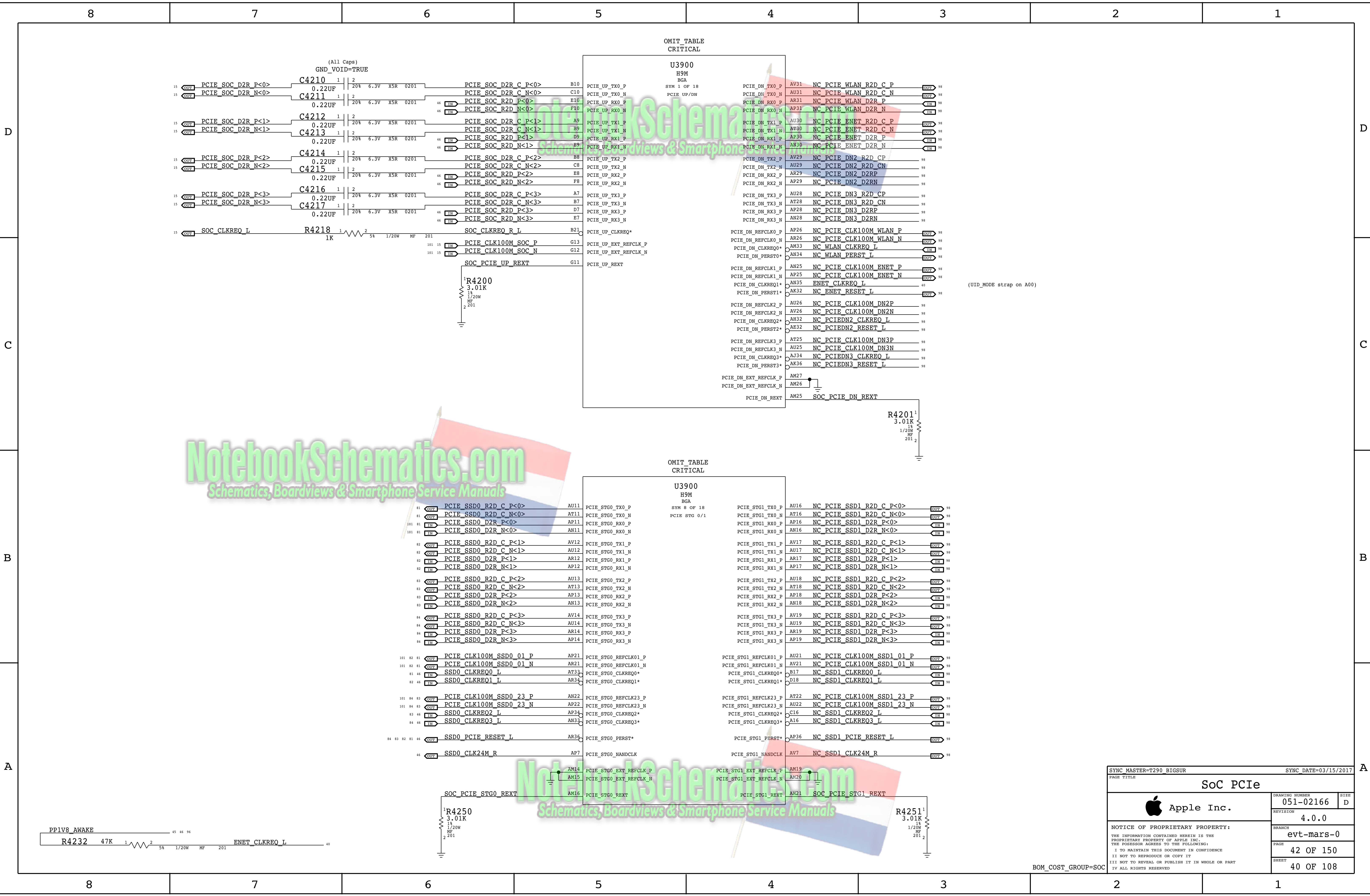





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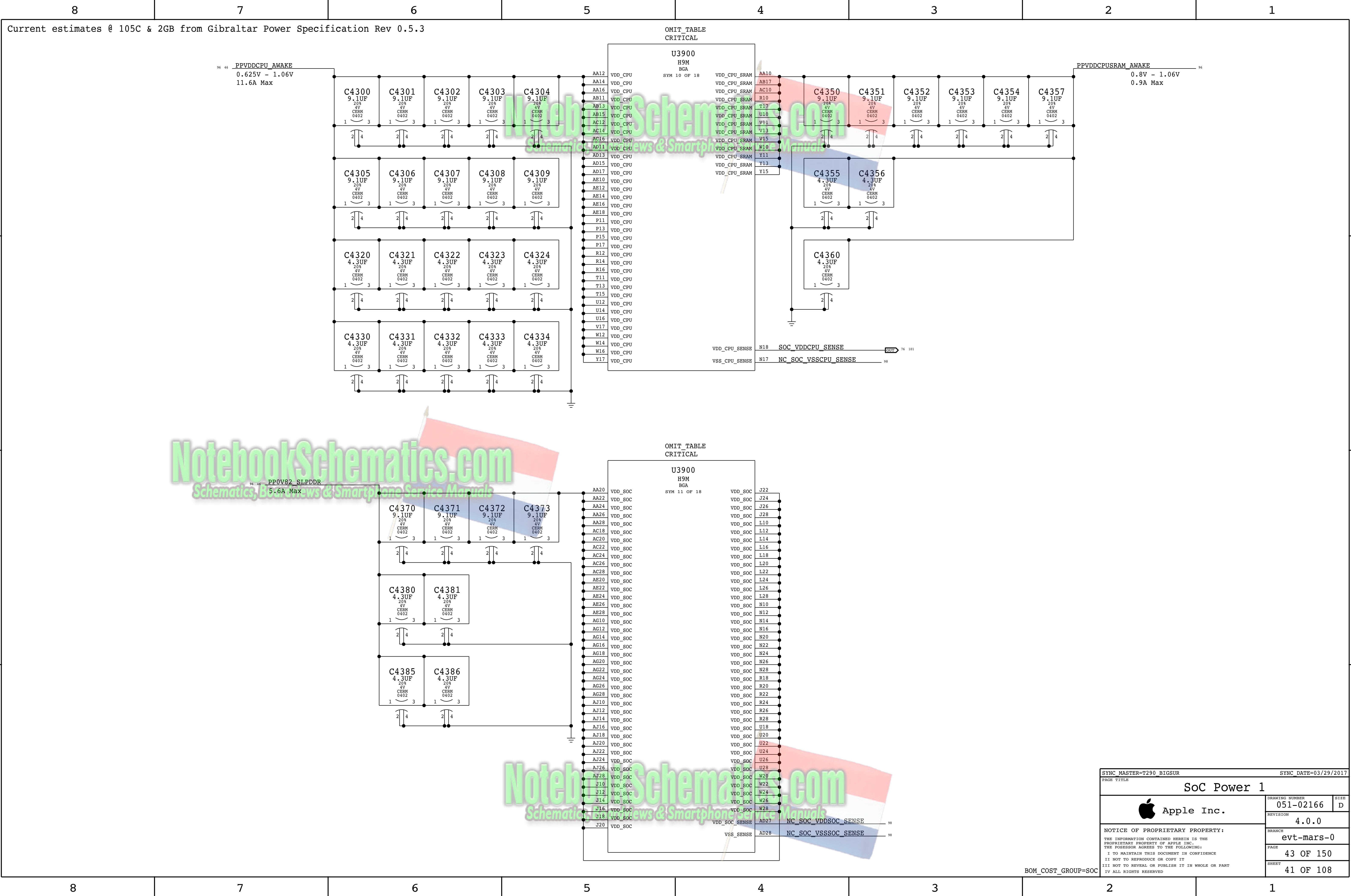




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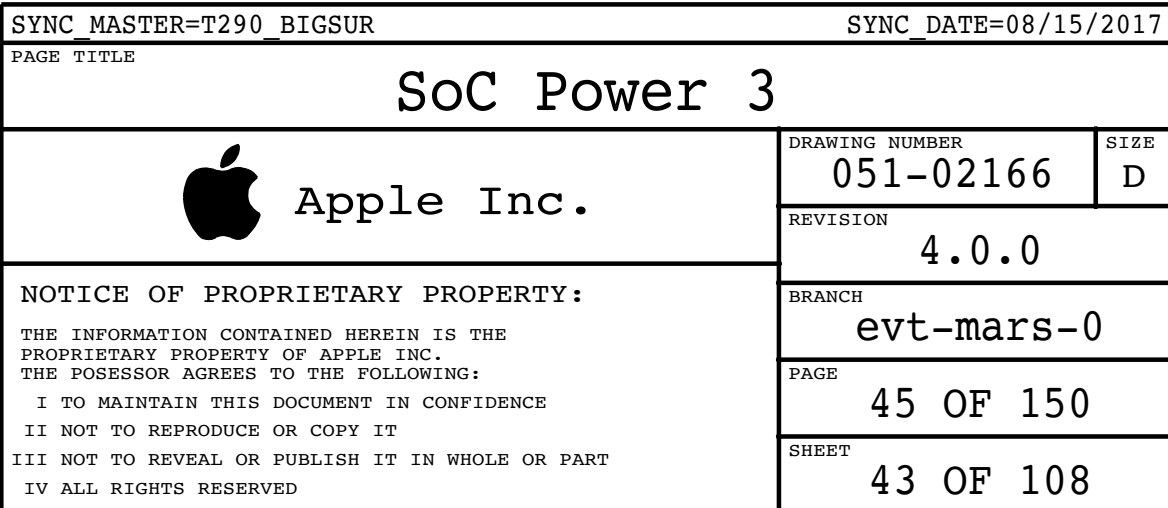


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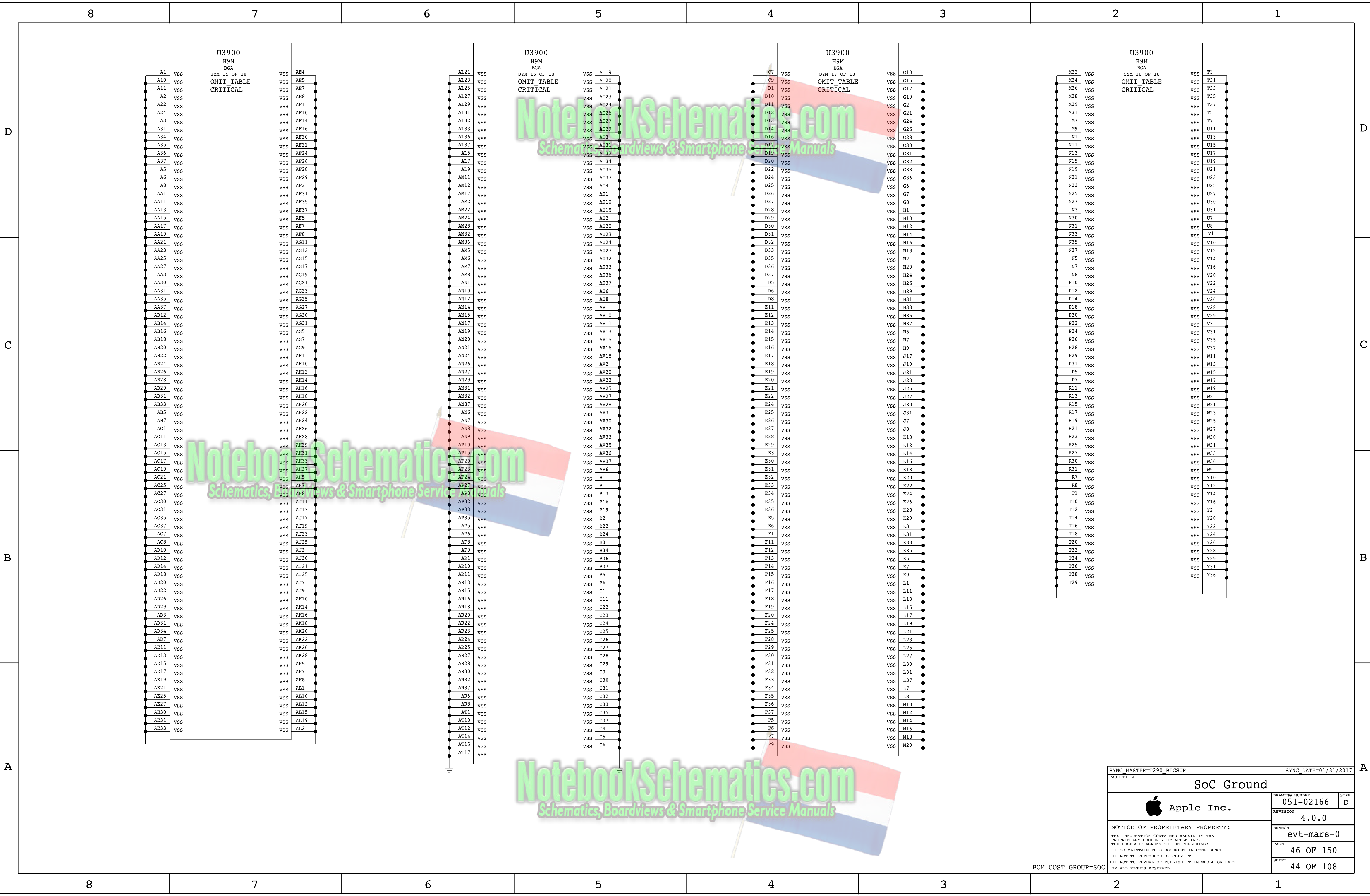



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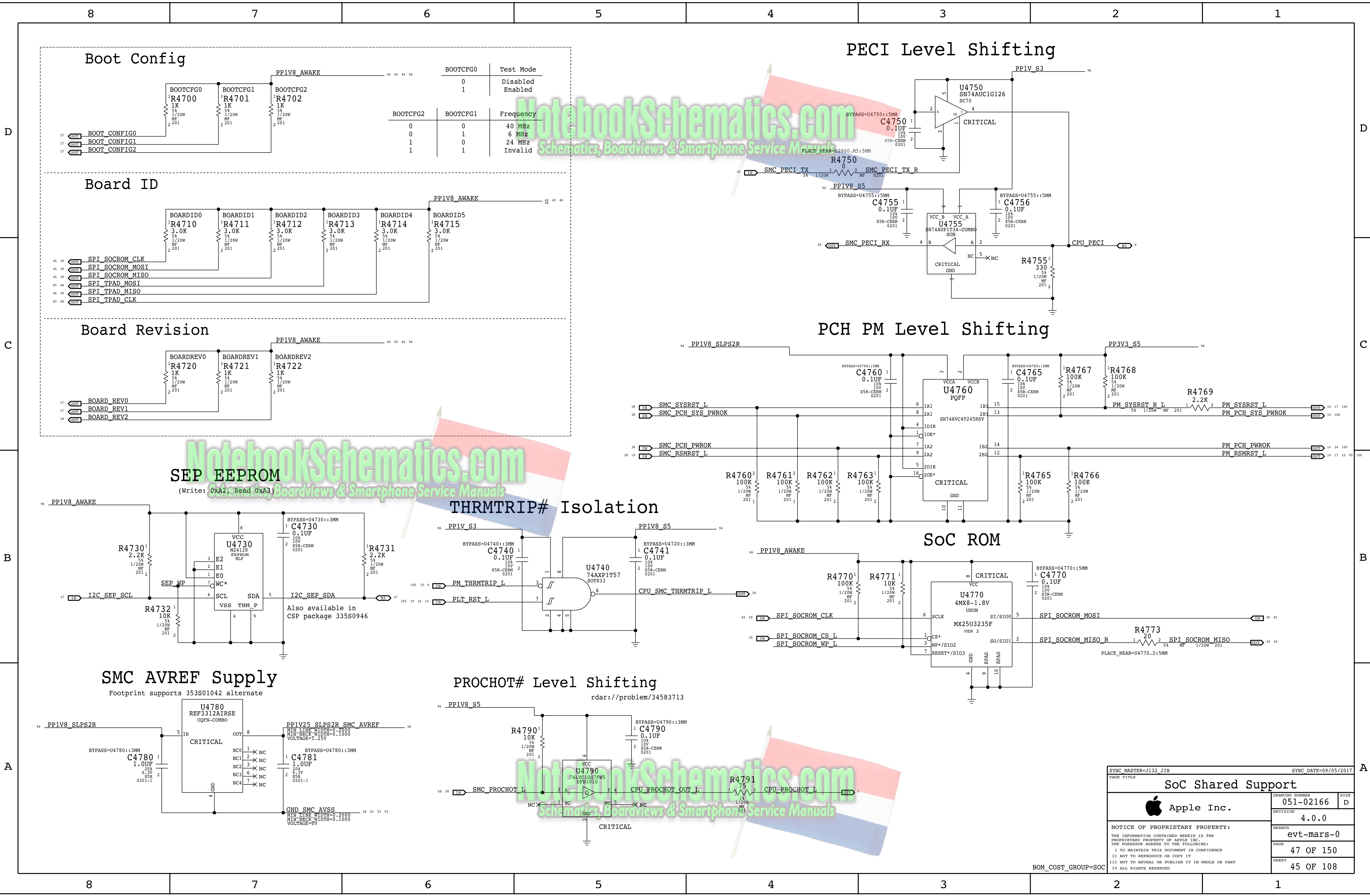




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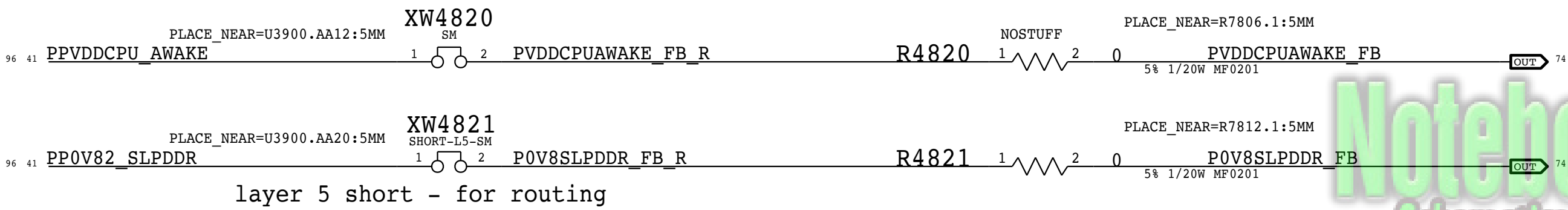
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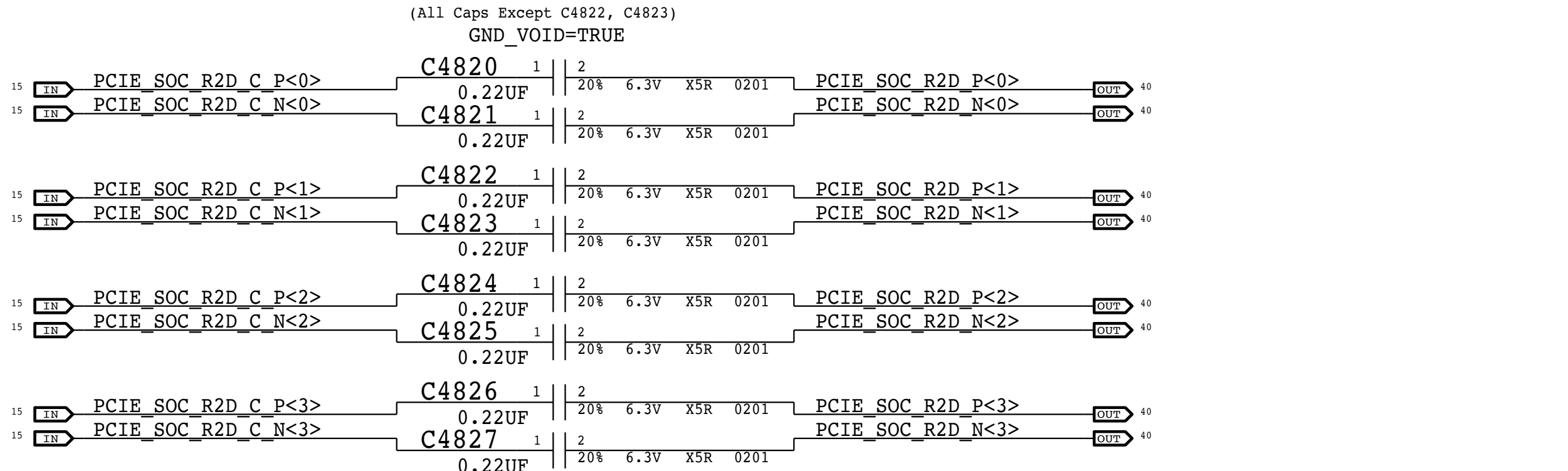




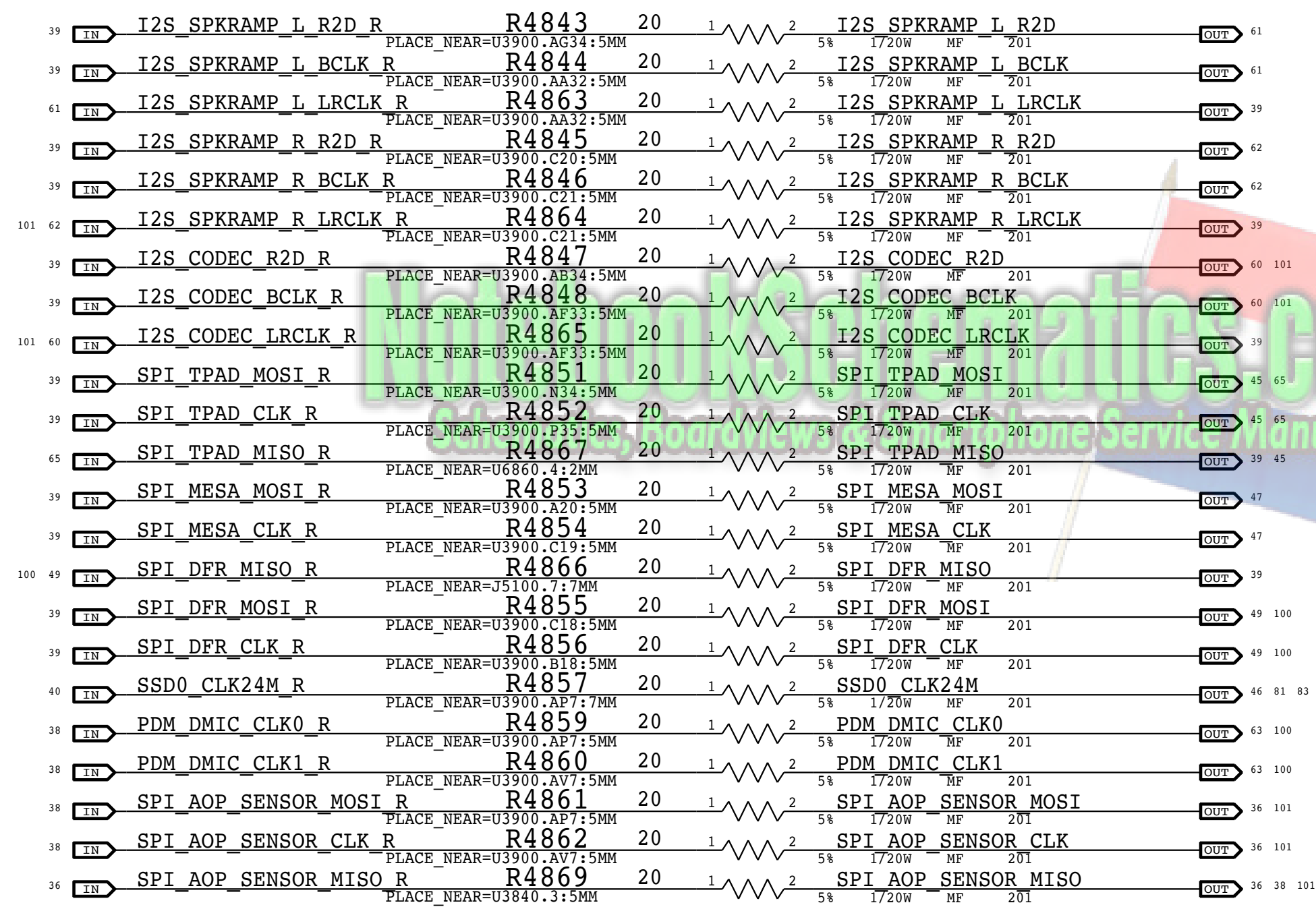
Alternate Feedback Sense



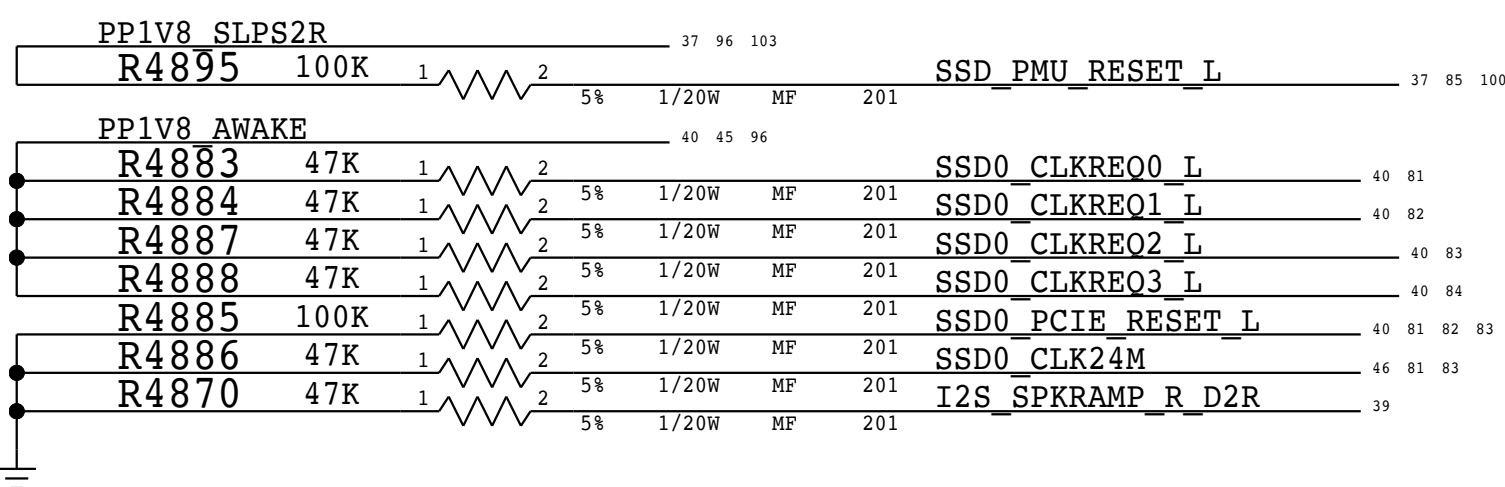
PCIe Up R2D AC Caps



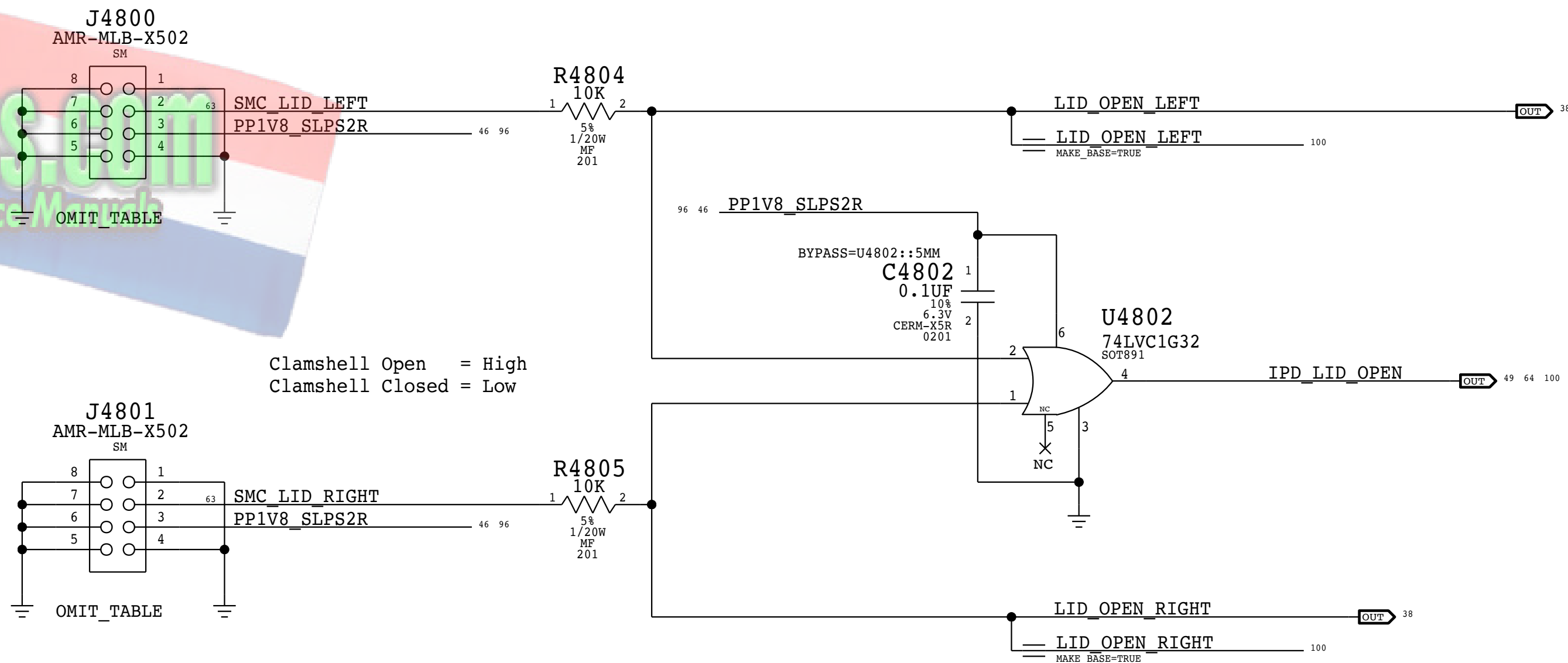
GPIO Source Termination



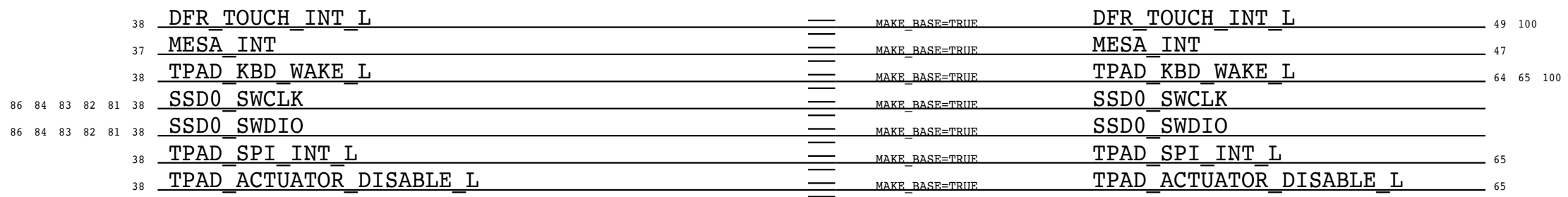
Project Specific Pull-Ups



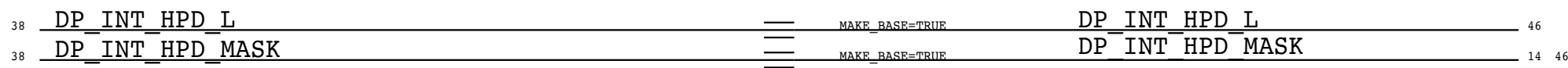
Lid Detect Sensors



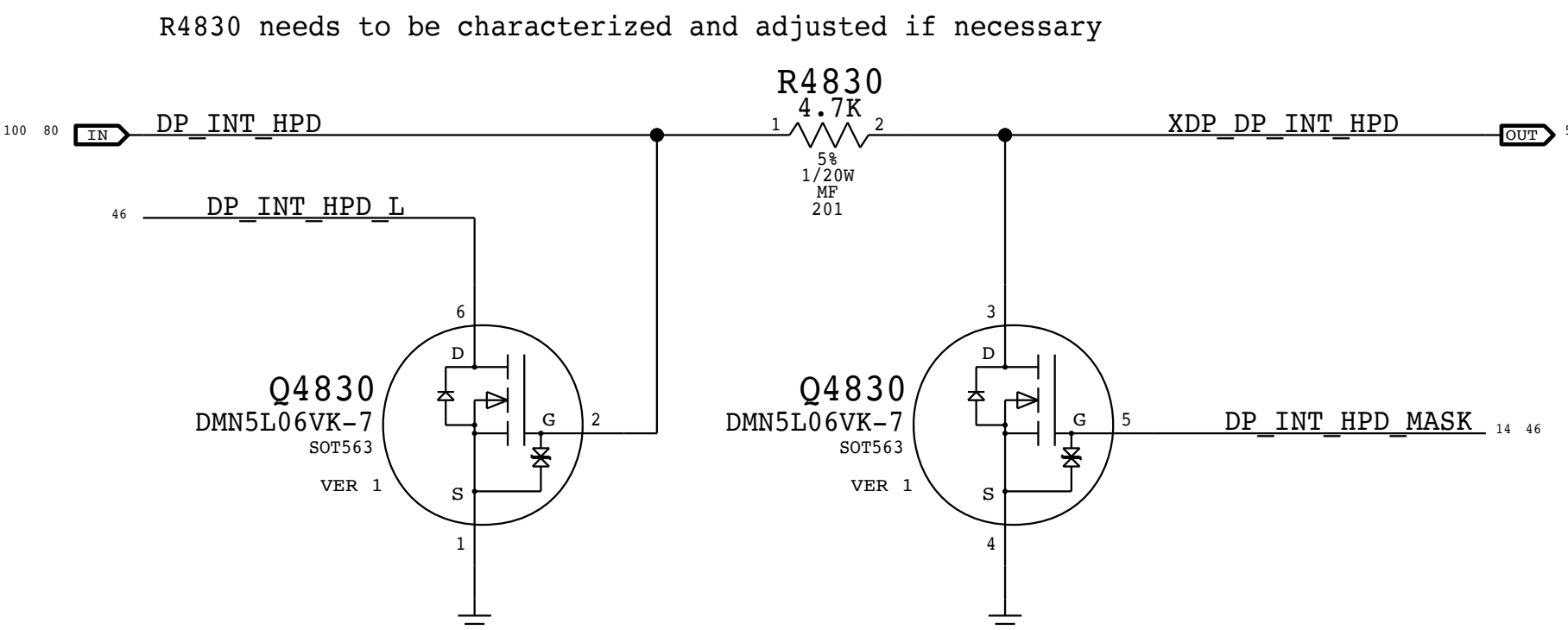
SOC Overloaded GPIOs



Platform-Specific GPIOs



HPD KSF Comp Circuit



BOM GROUP	BOM OPTIONS
BOARD_REV:111	BOARDREV2, BOARDREV1, BOARDREV0
BOARD_REV:110	BOARDREV2, BOARDREV1
BOARD_REV:101	BOARDREV2, BOARDREV0
BOARD_REV:100	BOARDREV2
BOARD_REV:011	BOARDREV1, BOARDREV0

BOM GROUP	BOM OPTIONS
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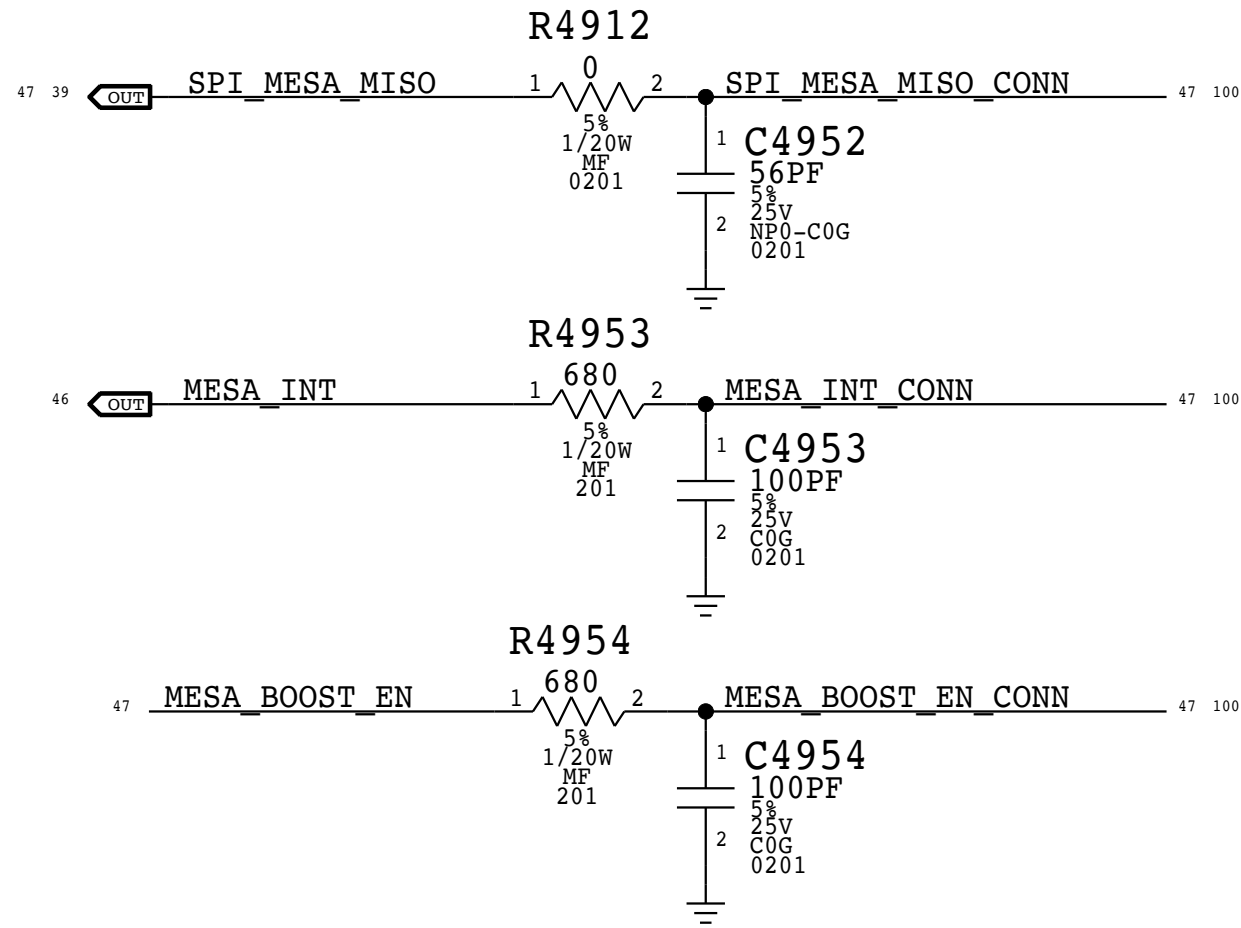
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	SHEET 46 OF 108

BOM\_COST\_GROUP=SOC



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ESD Filters

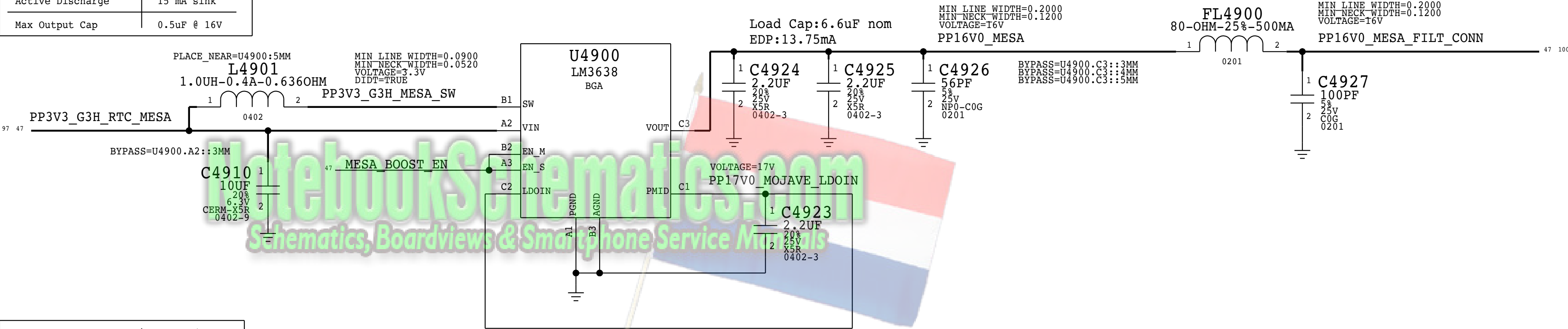


Output Voltage	16.0V +/- 2%
Iout (max avg)	6mA
OCp (min)	13 mA
Active Discharge	15 mA sink
Max Output Cap	0.5uF @ 16V

Mesa Power Sequencing Requirements

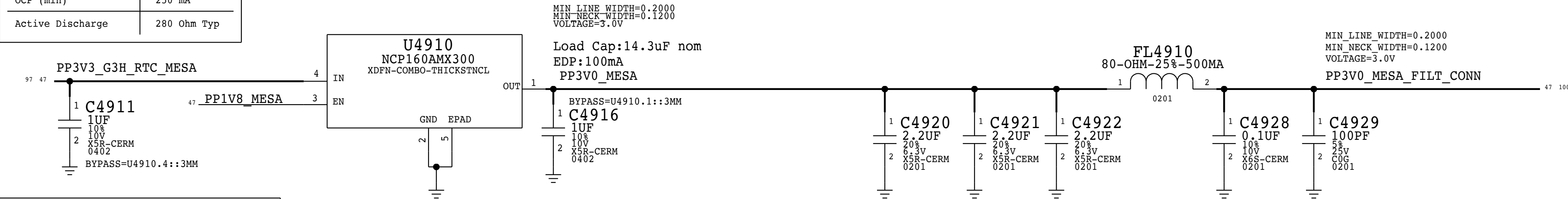
Power On: 1V8 -> 3V3 -> 16V0

MOJAVE 16V BOOST



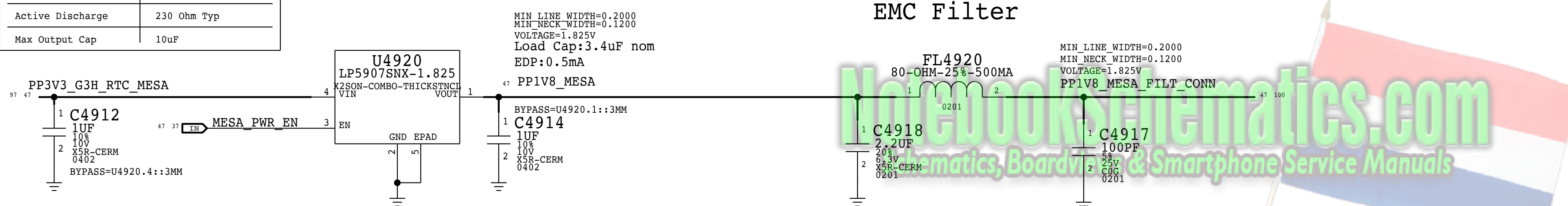
Output Voltage	3.0V +/- 2%
Iout (max avg)	250mA
Dropout Voltage	155mV
OCp (min)	250 mA
Active Discharge	280 Ohm Typ

3.0V MESA



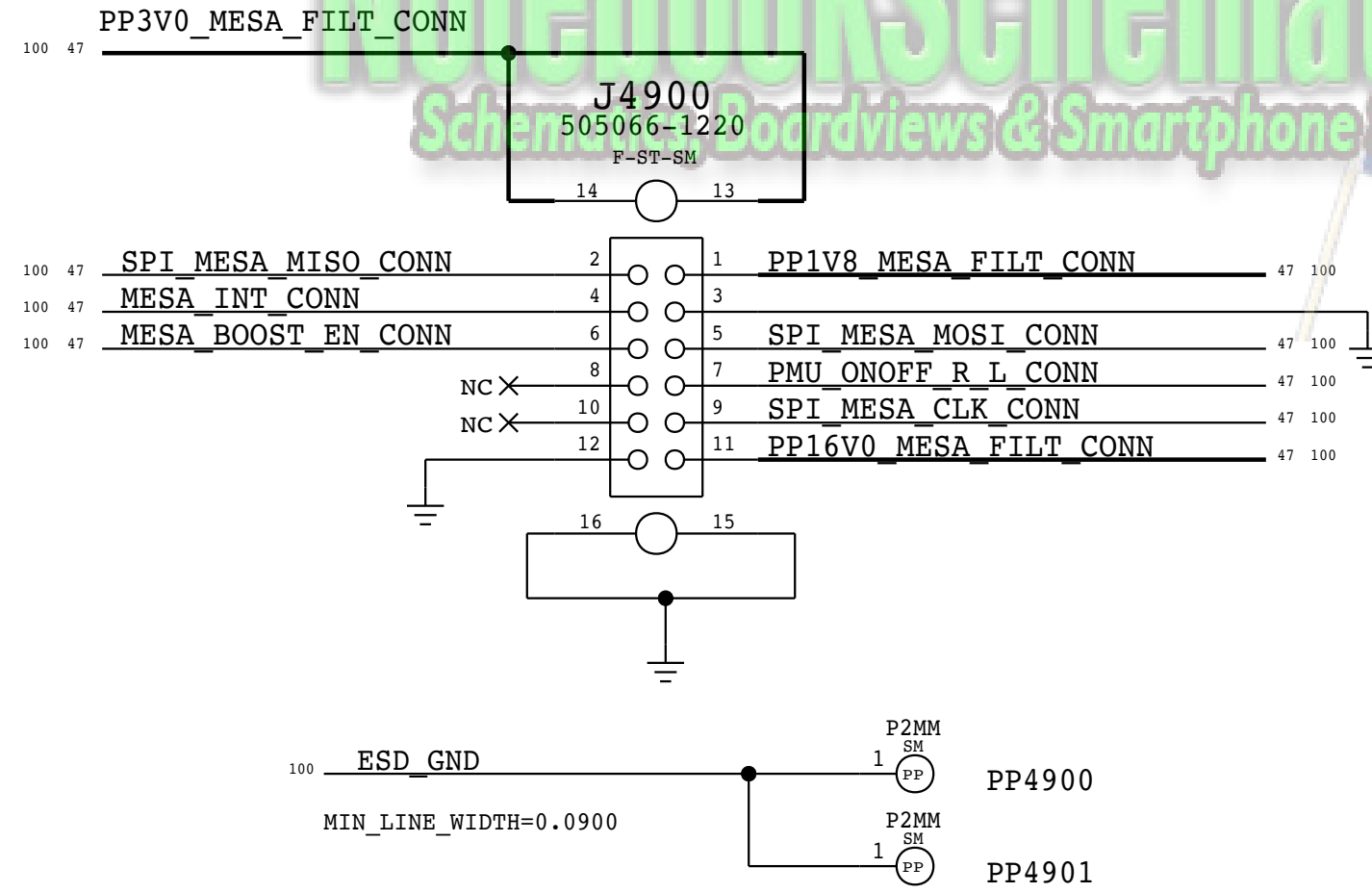
Output Voltage	1.825V +/- 2%
Iout (max avg)	250mA
Dropout Voltage	50mV Typ @ 100mA
OCp (min)	250 mA
Active Discharge	230 Ohm Typ
Max Output Cap	10uF

1.8V MESA



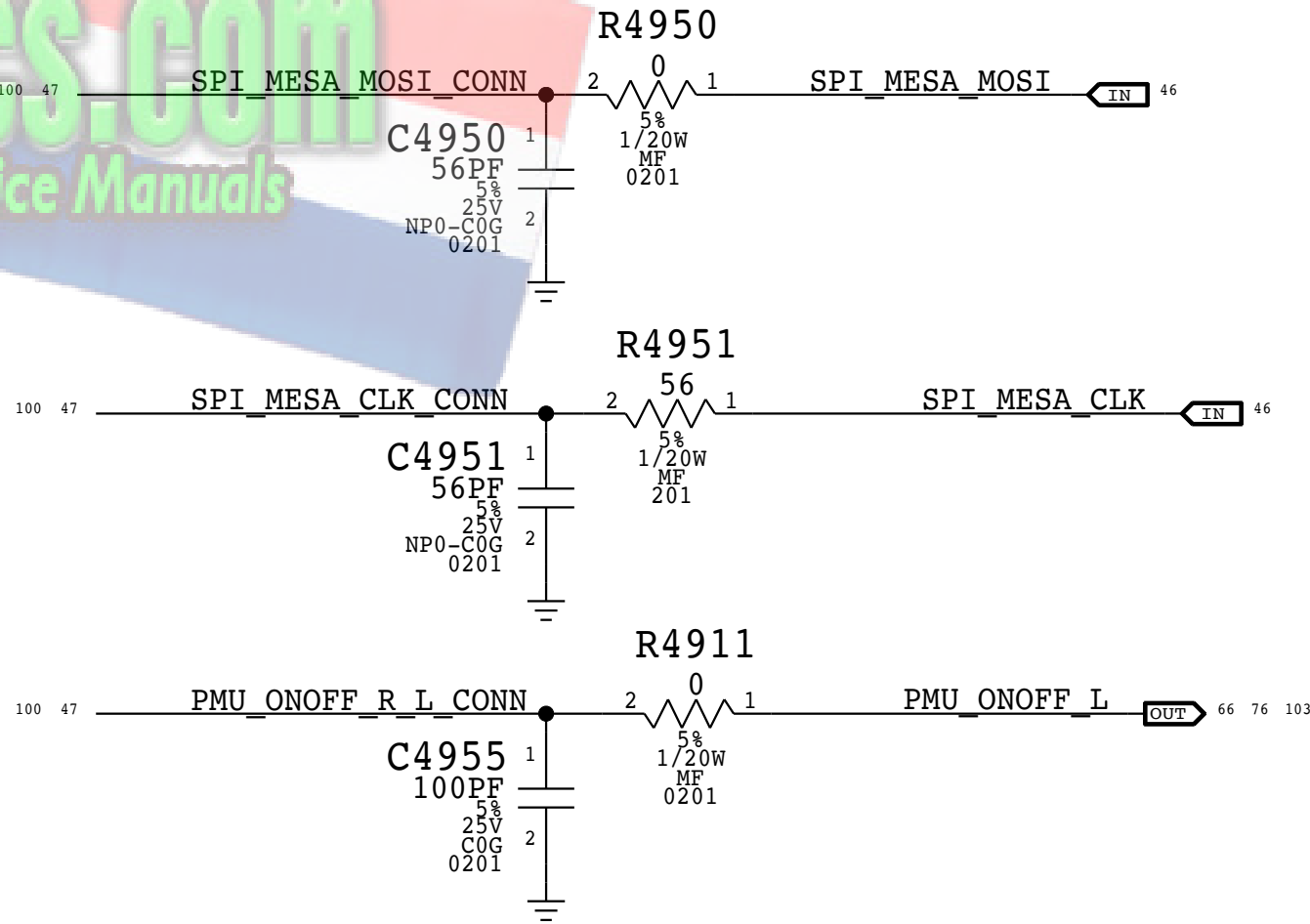
T151 FLEX CONNECTOR

PLUG (516S00115) - X434/ X435 Jumper  
RECEPTACLE (516S00203) - MLB



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ESD Filters



EMC Filter

EMC Filter

EMC Filter

BOM\_COST\_GROUP=T151

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			DRAWING NUMBER	051-02166	SIZE
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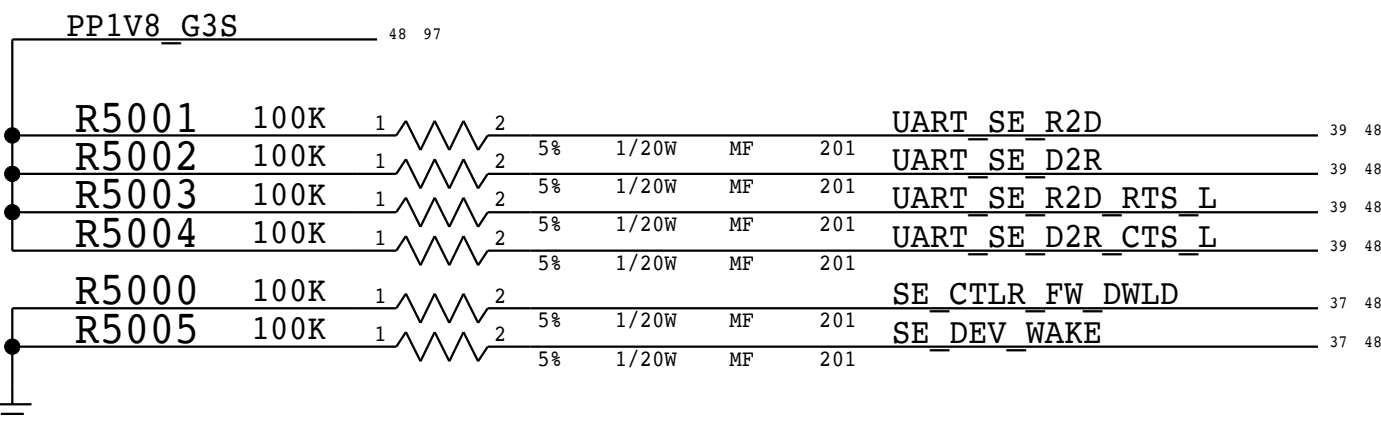
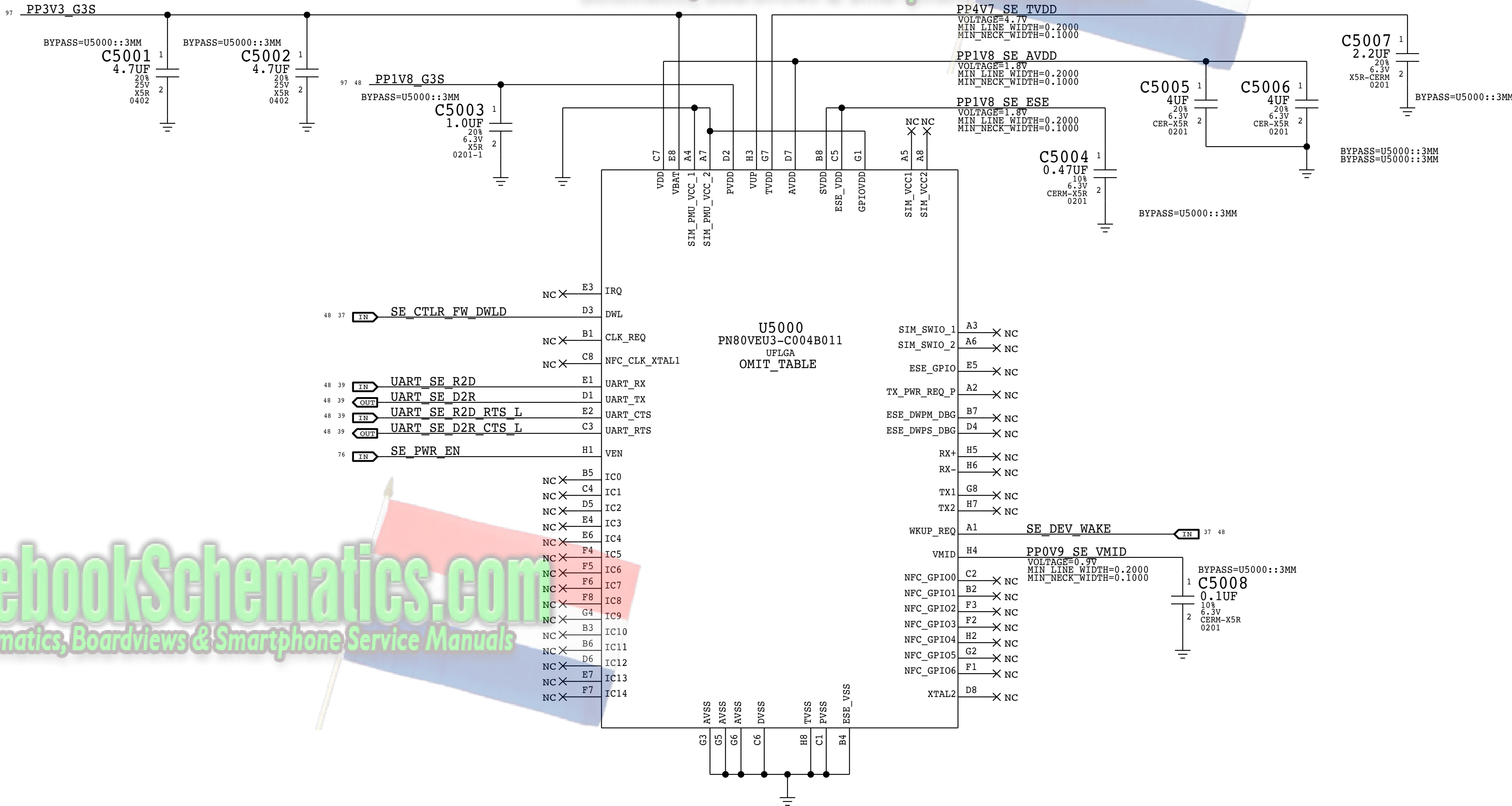
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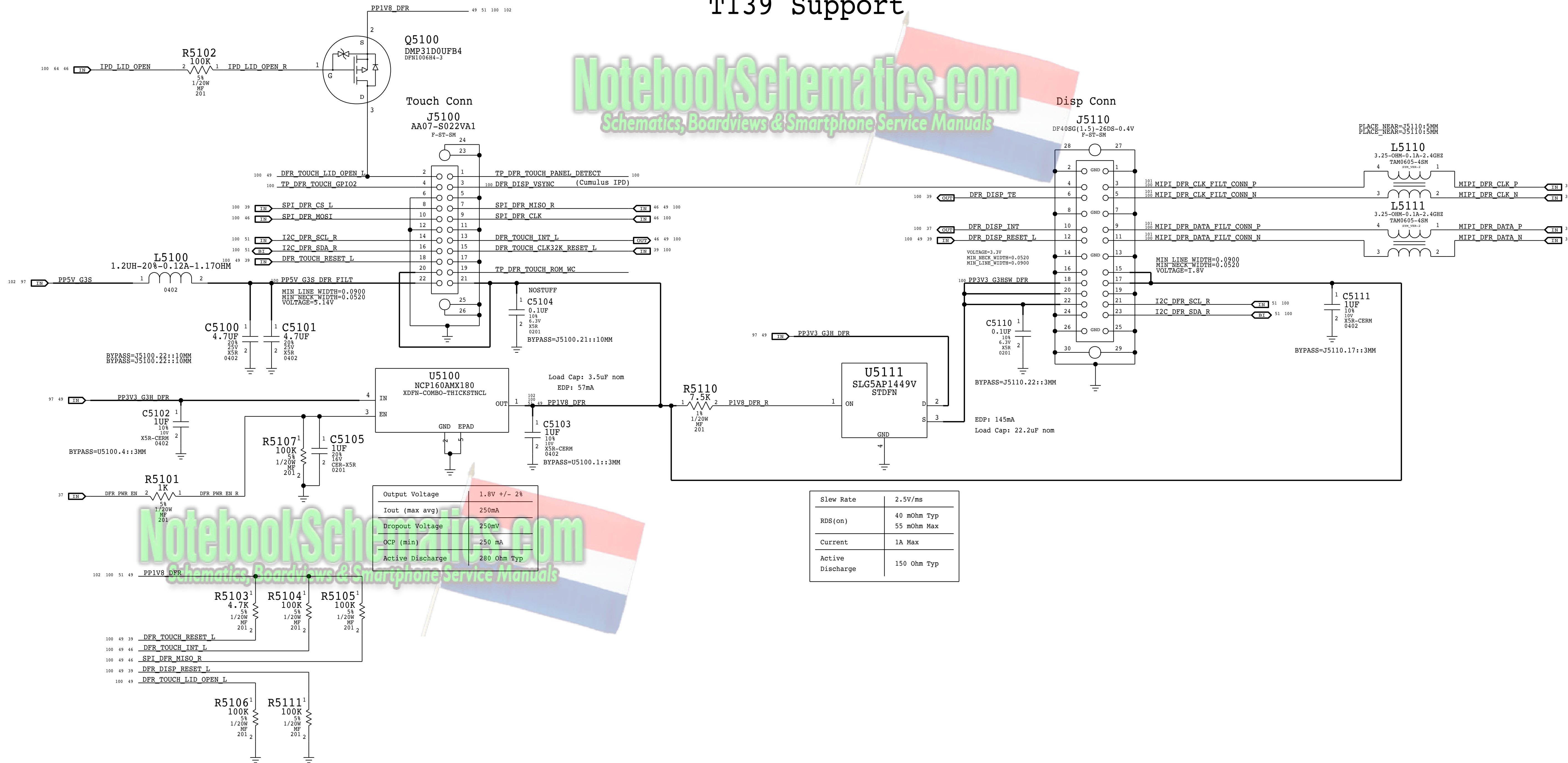
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# T139 Support

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Output Voltage	1.8V +/- 2%
Iout (max avg)	250mA
Dropout Voltage	250mV
OCV (min)	250 mA
Active Discharge	280 Ohm Typ

Slew Rate	2.5V/ms
RDS(on)	40 mOhm Typ 55 mOhm Max
Current	1A Max
Active Discharge	150 Ohm Typ

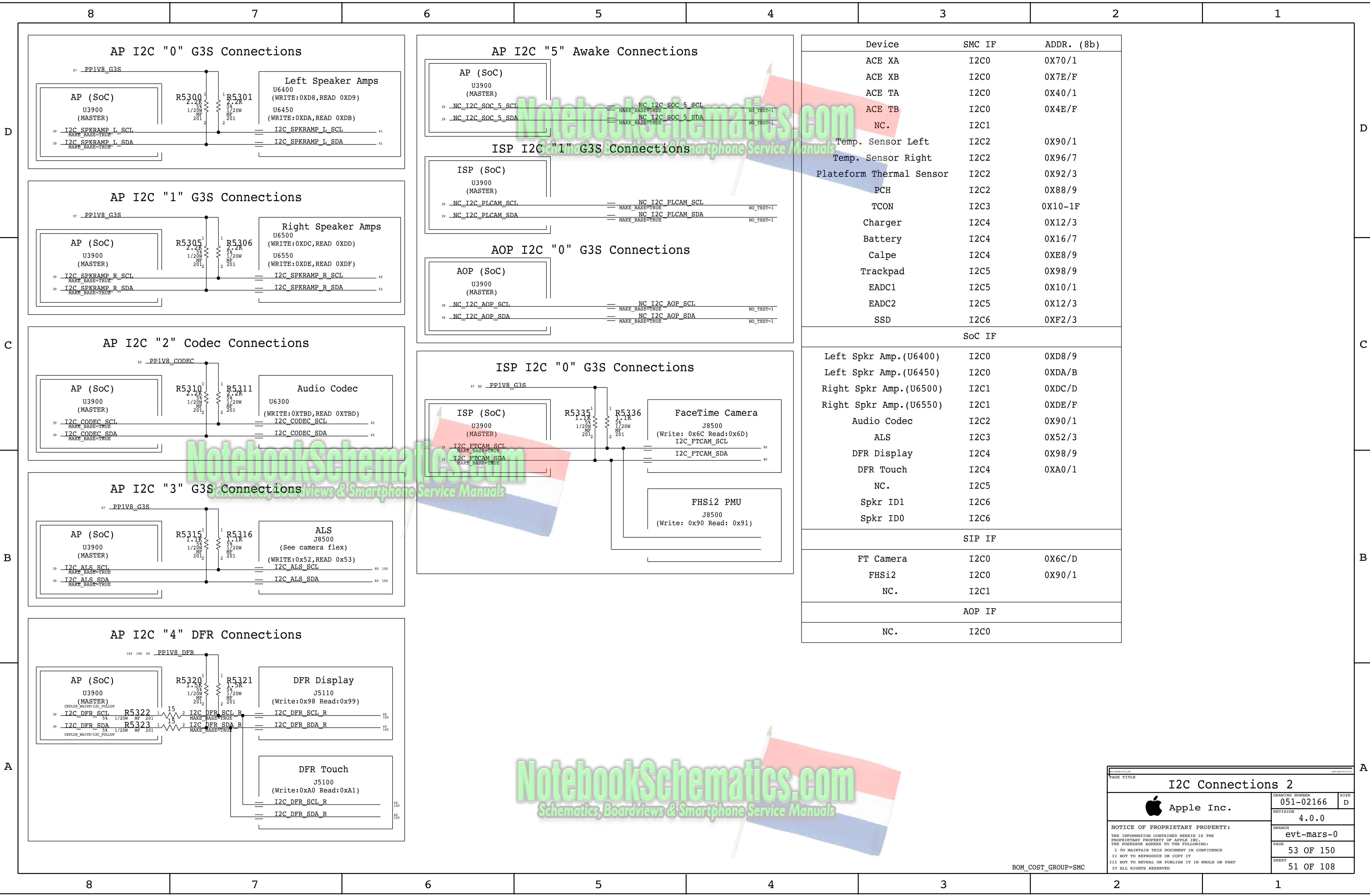
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	REVISION	4.0.0
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Device	SMC IF	ADDR. (8b)
ACE XA	I2C0	0X70/1
ACE XB	I2C0	0X7E/F
ACE TA	I2C0	0X40/1
ACE TB	I2C0	0X4E/F
NC.	I2C1	
Temp. Sensor Left	I2C2	0X90/1
Temp. Sensor Right	I2C2	0X96/7
Platform Thermal Sensor	I2C2	0X92/3
PCH	I2C2	0X88/9
TCON	I2C3	0X10-1F
Charger	I2C4	0X12/3
Battery	I2C4	0X16/7
Calpe	I2C4	0XE8/9
Trackpad	I2C5	0X98/9
EADC1	I2C5	0X10/1
EADC2	I2C5	0X12/3
SSD	I2C6	0XF2/3

SoC IF		
Left Spkr Amp.(U6400)	I2C0	0XD8/9
Left Spkr Amp.(U6450)	I2C0	0XDA/B
Right Spkr Amp.(U6500)	I2C1	0XDC/D
Right Spkr Amp.(U6550)	I2C1	0XDE/F
Audio Codec	I2C2	0X90/1
ALS	I2C3	0X52/3
DFR Display	I2C4	0X98/9
DFR Touch	I2C4	0XA0/1
NC.	I2C5	
Spkr ID1	I2C6	
Spkr ID0	I2C6	

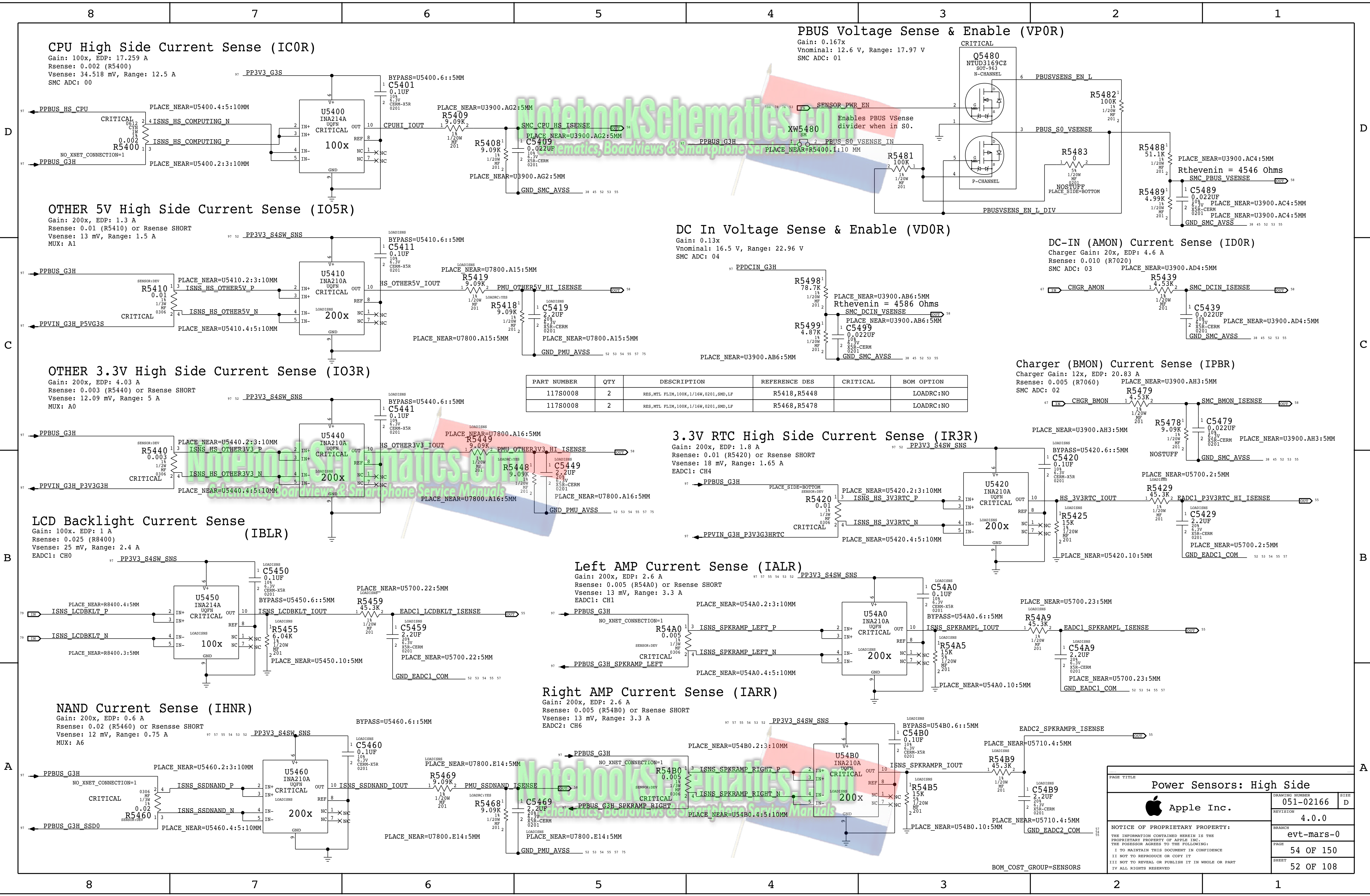
SIP IF		
FT Camera	I2C0	0X6C/D
FHSi2	I2C0	0X90/1
NC.	I2C1	

AOP IF		
NC.	I2C0	

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I2C Connections 2		
	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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BOM\_COST\_GROUP=SMC

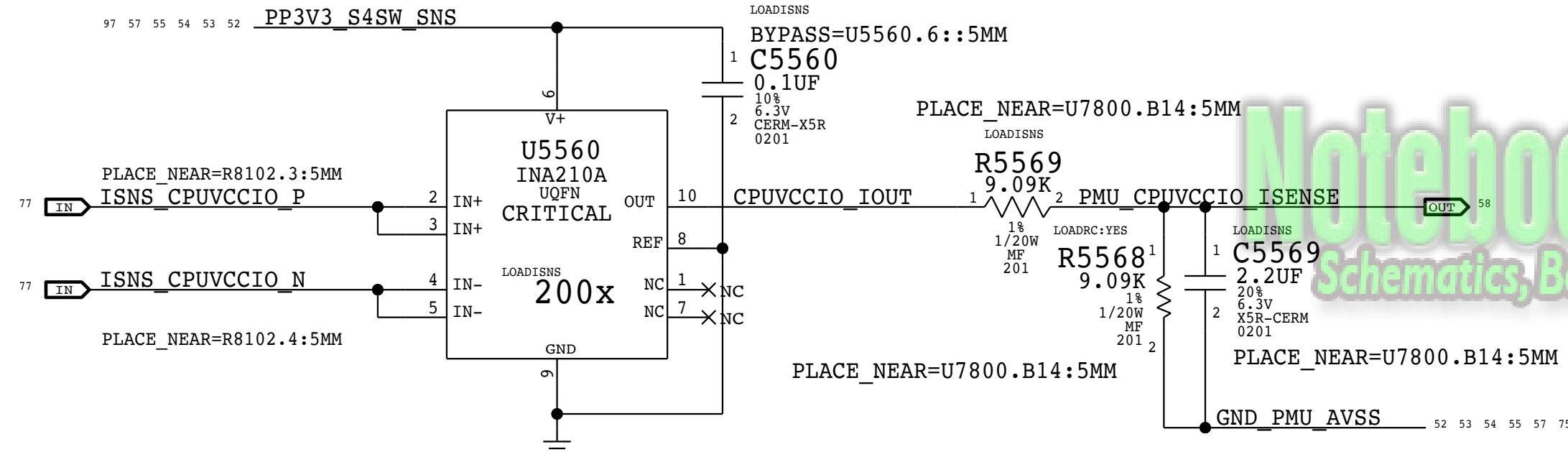






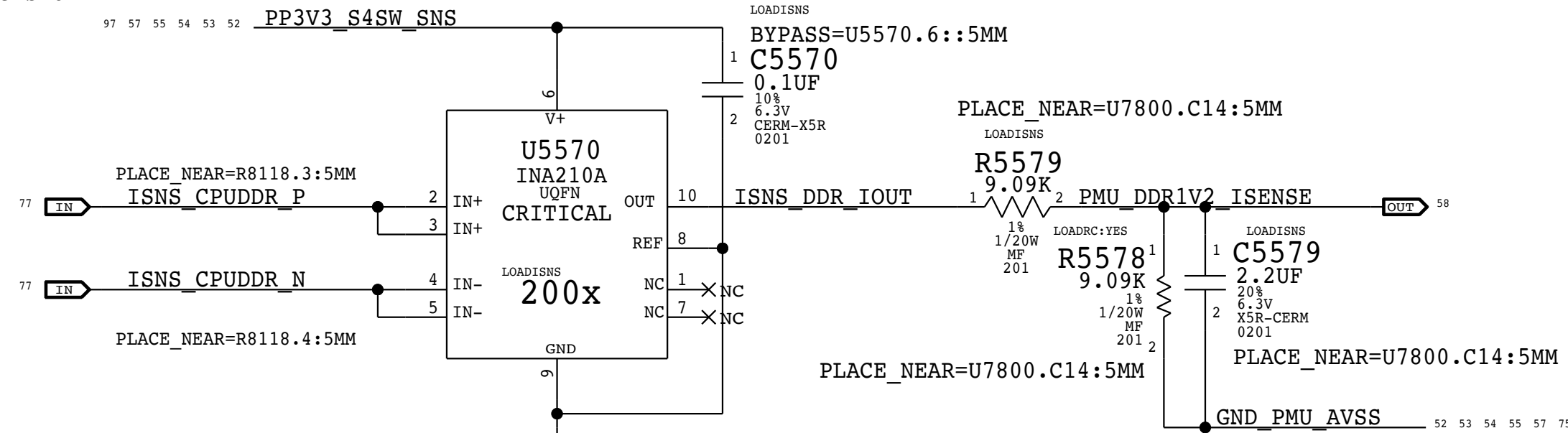
### CPU VCCIO Current Sense (IC1C)

Gain: 200x, EDP: 3.6 A  
Rsense: 0.003 (R8102) or Rsense SHORT  
Vsense: 10.8 mV, Range: 5 A  
MUX: A3



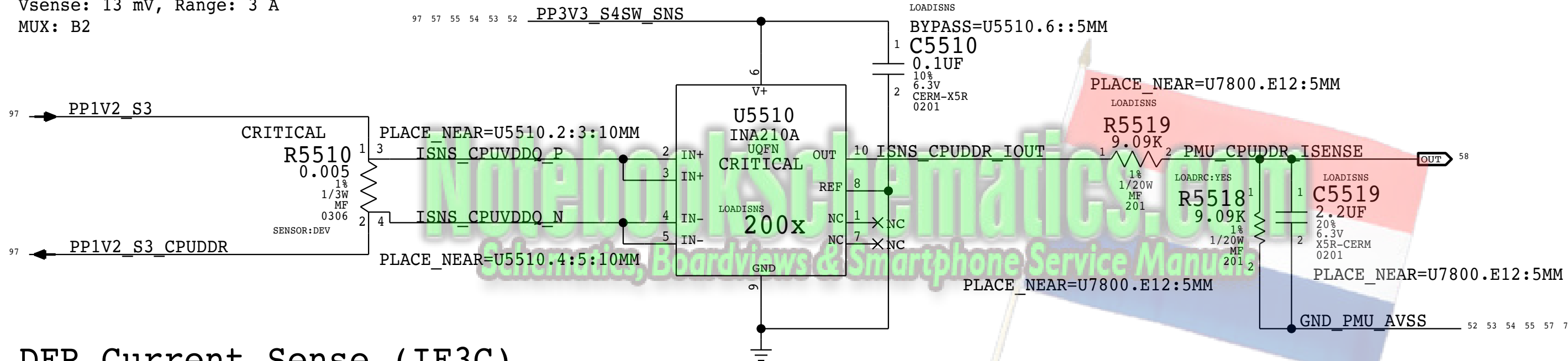
### DDR 1.2V S3 (CPU & Memory) Current Sense (IM0C)

Gain: 200x, EDP: 6.9 A  
Rsense: 0.002 (R8118) or Rsense SHORT  
Vsense: 13.8 mV, Range: 7.5 A  
MUX: A4



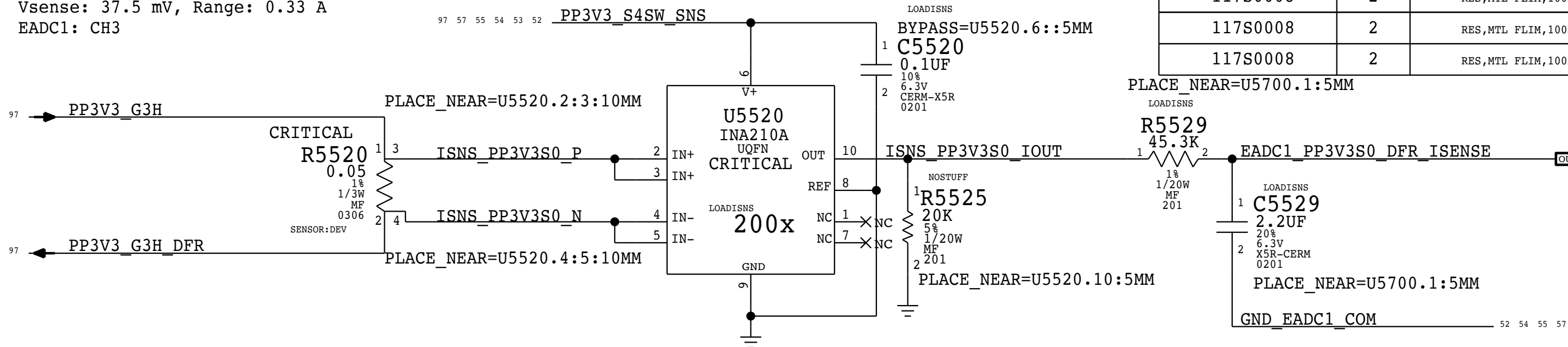
### CPU DDR 1.2V S3 (CPU Only) Current Sense (IMCC)

Gain: 200x, EDP: 2.6 A  
Rsense: 0.005 (R5510) or Rsense SHORT  
Vsense: 13 mV, Range: 3 A  
MUX: B2



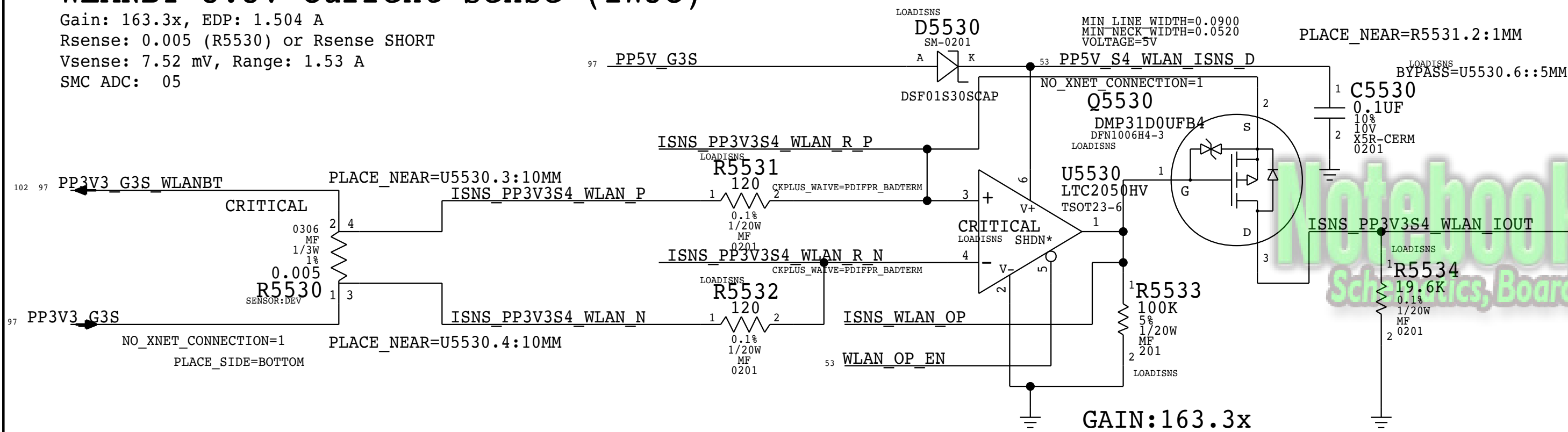
### DFR Current Sense (IF3C)

Gain: 200x, EDP: 0.75 A  
Rsense: 0.05 (R5520) or Rsense SHORT  
Vsense: 37.5 mV, Range: 0.33 A  
EADC1: CH3



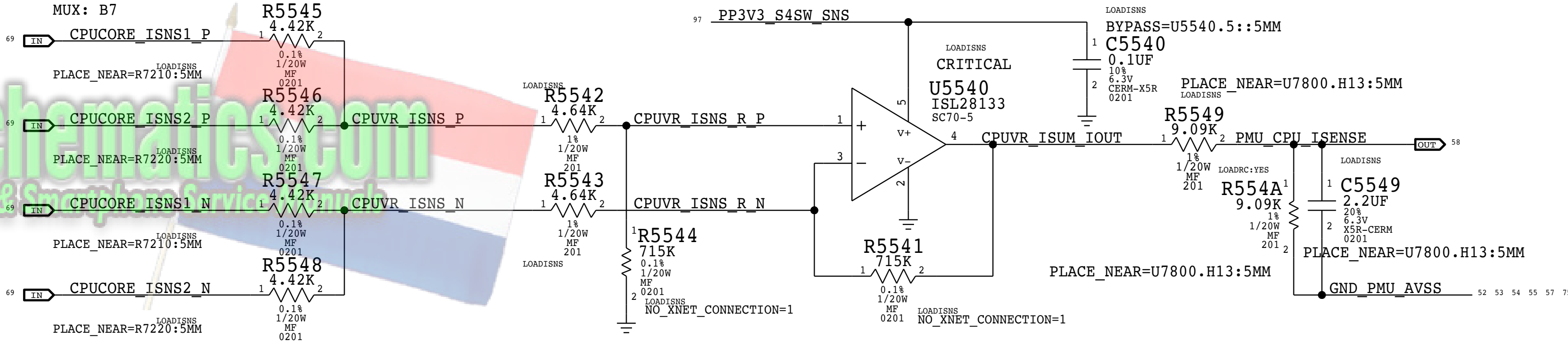
### WLANBT 3.3V Current Sense (IW3C)

Gain: 163.3x, EDP: 1.504 A  
Rsense: 0.005 (R5530) or Rsense SHORT  
Vsense: 7.52 mV, Range: 1.53 A  
SMC ADC: 05



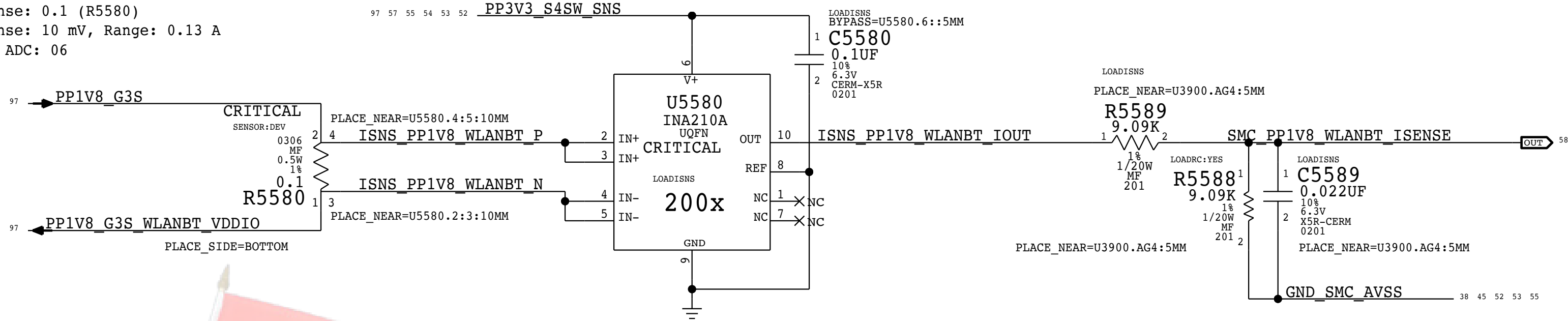
### CPU Fixed Current Sense (ICAC)

Gain: 275.74x, EDP: 29 A  
Rsense: 2x of 0.00075 (R7310, R7320), Rsum: 0.000375  
Vsense: 10.875 mV, Range: 29.01 A  
MUX: B7



### WLANBT 1.8V Current Sense (IW2C)

Gain: 200x, EDP: 0.1 A  
Rsense: 0.1 (R5580)  
Vsense: 10 mV, Range: 0.13 A  
SMC ADC: 06

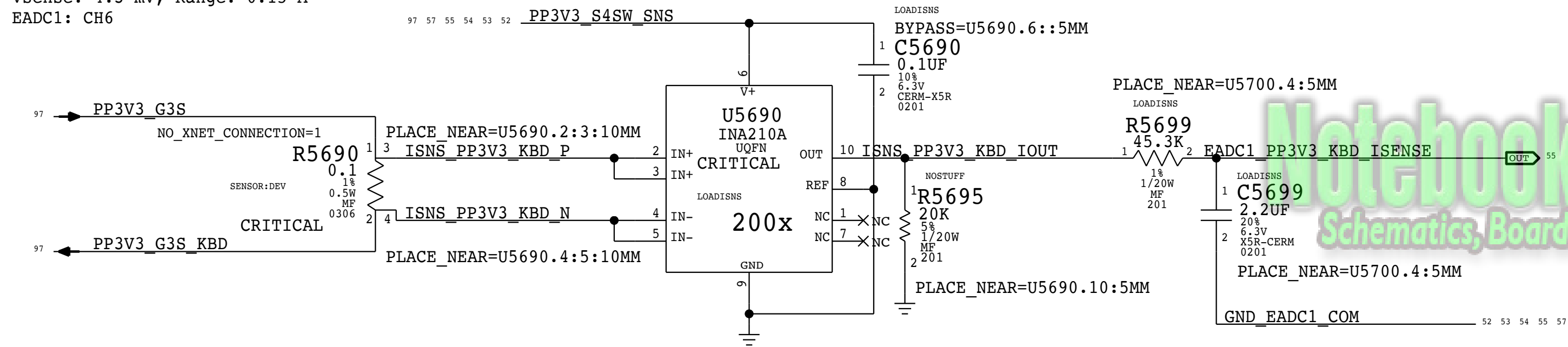


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Power Sensors: Load Side		
	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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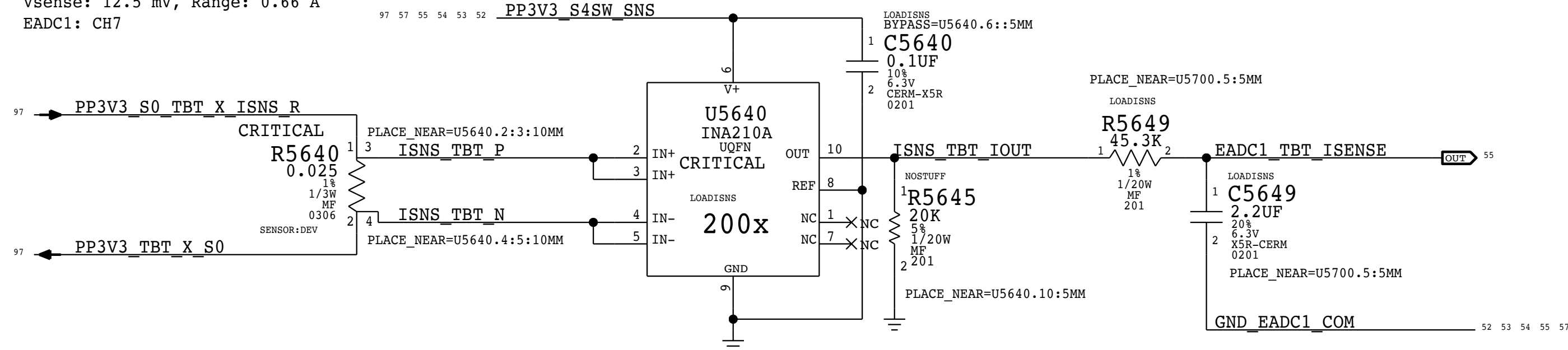
## Keyboard 3V Current Sense (IK3C)

Gain: 200x, EDP: 0.043 A  
Rsense: 0.1 (R5690) or Rsense SHORT  
Vsense: 4.3 mV, Range: 0.15 A  
EADC1: CH6



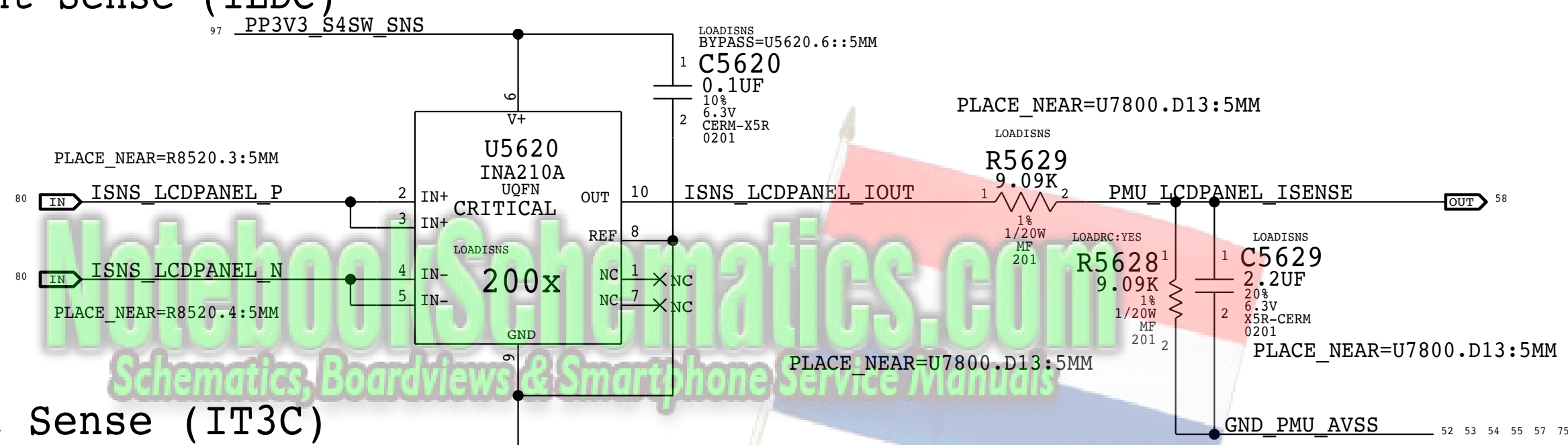
## Thunderbolt TBT Current Left (IULC)

Gain: 200x. EDP: 0.8 A  
Rsense: 0.025 (R5640) or Rsense SHORT  
Vsense: 12.5 mV, Range: 0.66 A  
EADC1: CH7



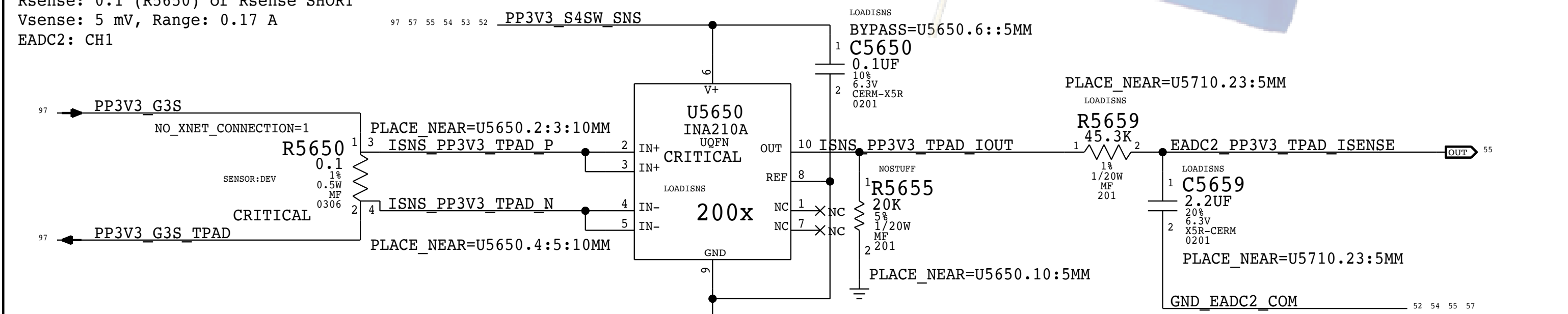
## LCD Panel 3V Current Sense (ILDC)

Gain: 200x. EDP: 1 A  
RSENSE: 0.01 (R8520) or Rsense SHORT  
Vsense: 5 mV, Range: 1.65 A  
EADC2: CH0



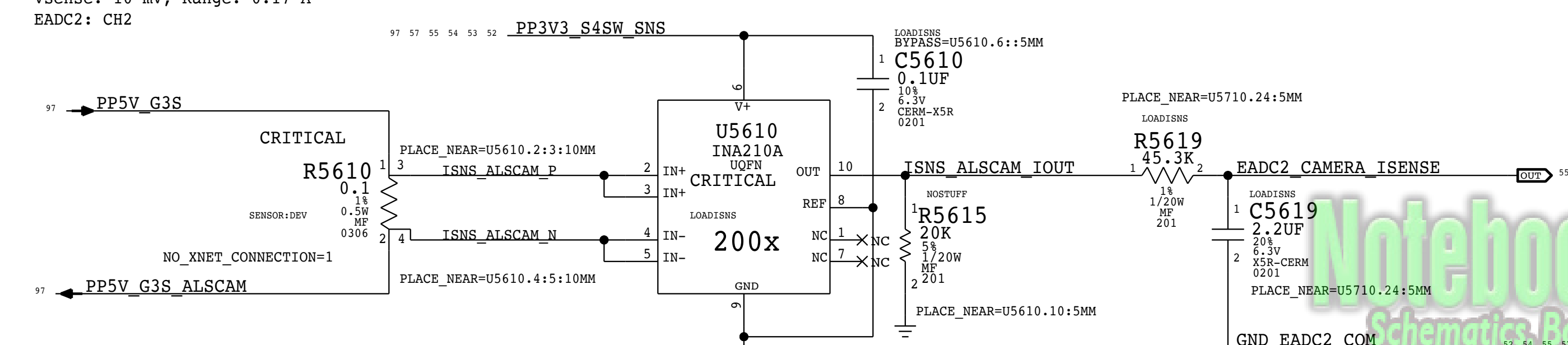
## Trackpad 3V Current Sense (IT3C)

```
Gain: 200x, EDP: 0.05 A
Rsense: 0.1 (R5650) or Rsense SHORT
Vsense: 5 mV, Range: 0.17 A
EADC2: CH1
```



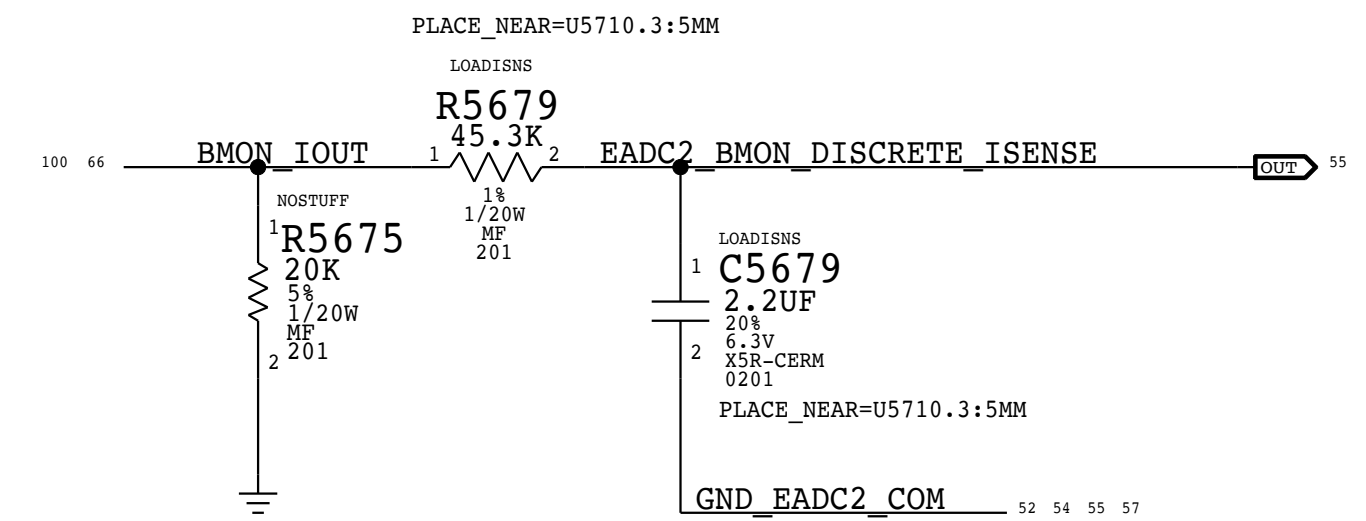
## ALS/Camera Current Sense (ICMC)

Gain: 200x. EDP: 0.1 A  
Rsense: 0.1 (R5610) or Rsense SHORT  
Vsense: 10 mV, Range: 0.17 A  
EADC2: CH2



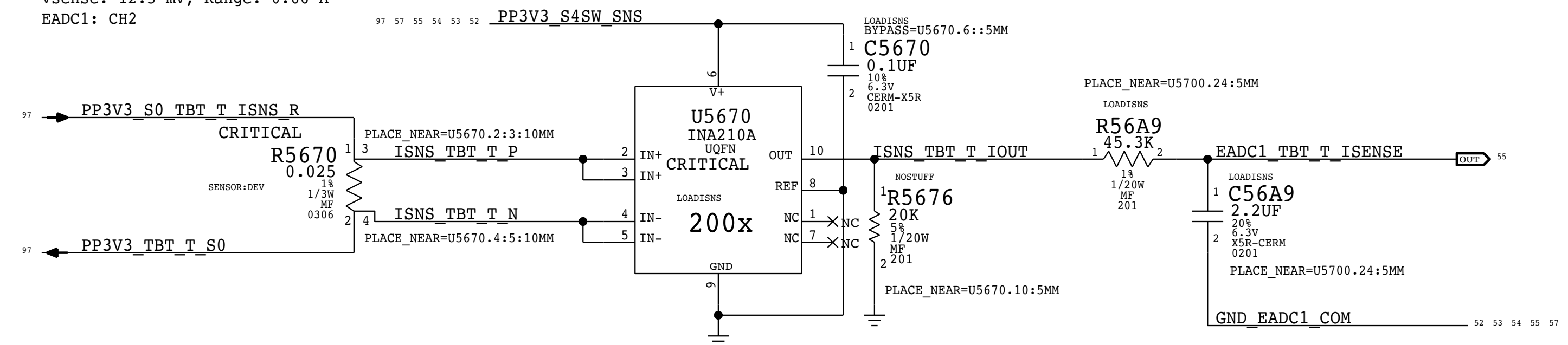
## Battery Discrete Current Sense (IB0L)

Gain: 2940x. EDP: 8 A  
Rsense: 0.003 (R501/R502)  
Vsense: 24 mV, Range: 0.28 A  
EADC2: CH5



## Thunderbolt TBT Current Right (IURC)

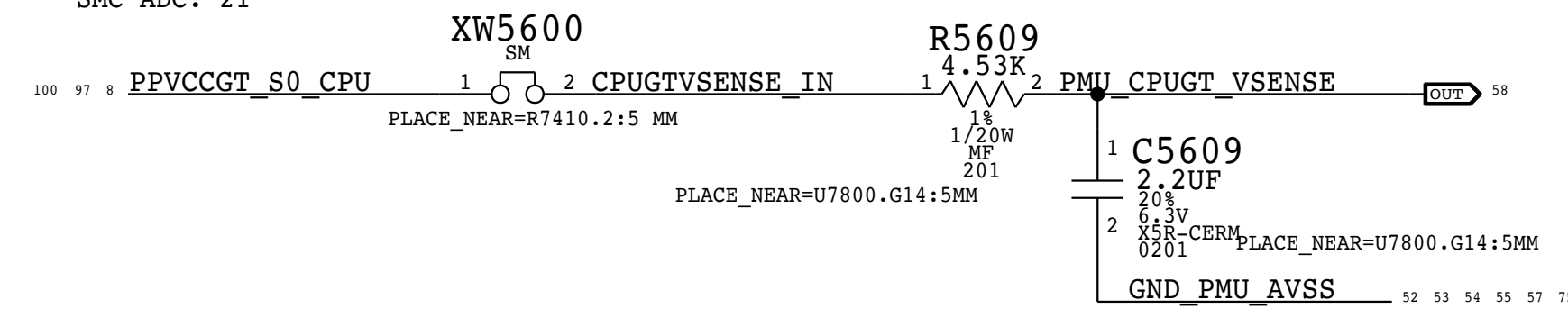
Gain: 200x. EDP: 0.8 A  
Rsense: 0.025 (R5670) or Rsense SHORT  
Vsense: 12.5 mV, Range: 0.66 A  
EADC1: CH2



PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
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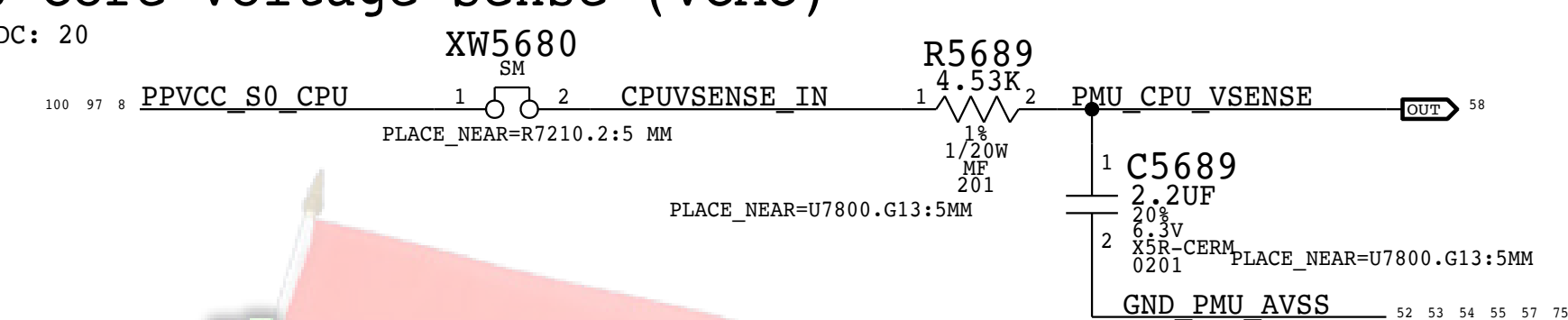
## CPU GT Voltage Sense (VCGC)


SMC ADC: 21



## CPU Core Voltage Sense (VCAC)

SMC ADC: 20

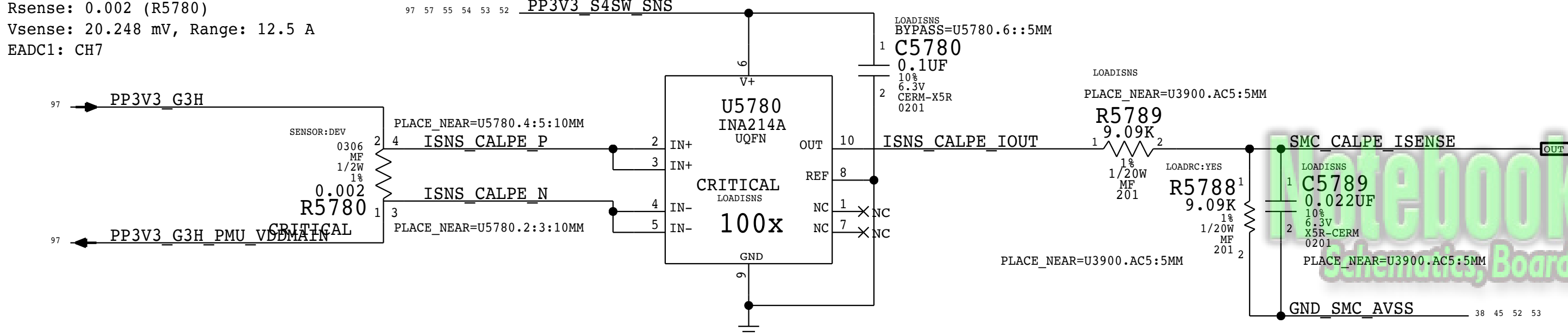


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 Apple Inc.	DRAWING NUMBER 051-02166		SIZE D
	REVISION 4.0.0		
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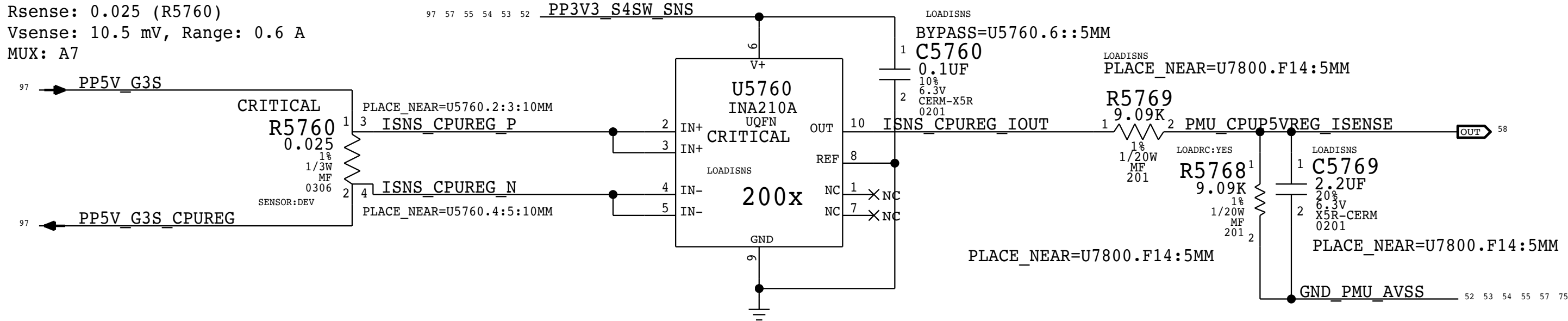
### CALPE 3.3V INPUT Current Left (IP3C)

Gain: 200x, EDP: 10.124 A  
Rsense: 0.002 (R5780)  
Vsense: 20.248 mV, Range: 12.5 A  
EADC1: CH7



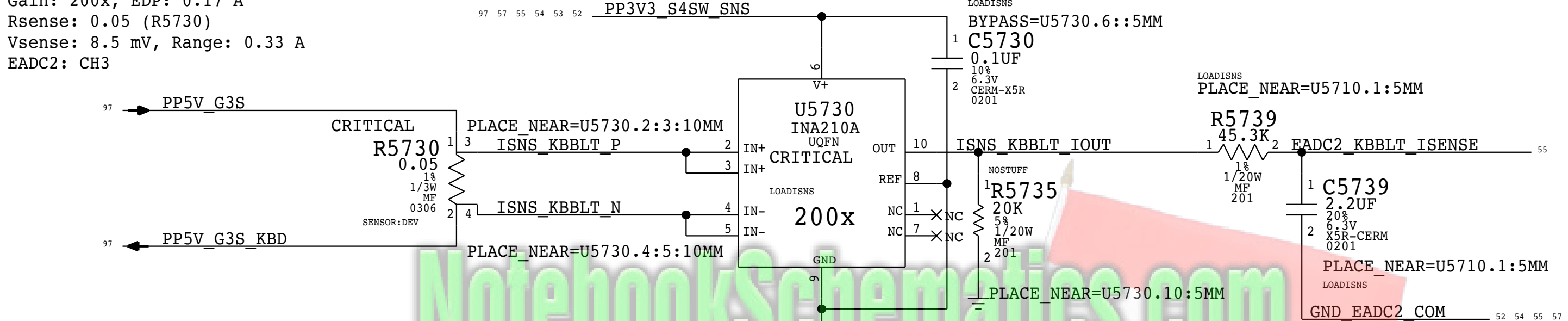
### CPU REG.5V Current Sense (IC5C)

Gain: 200x, EDP: 0.42 A  
Rsense: 0.025 (R5760)  
Vsense: 10.5 mV, Range: 0.6 A  
MUX: A7



### KB backlite Current Sense (IKBC)

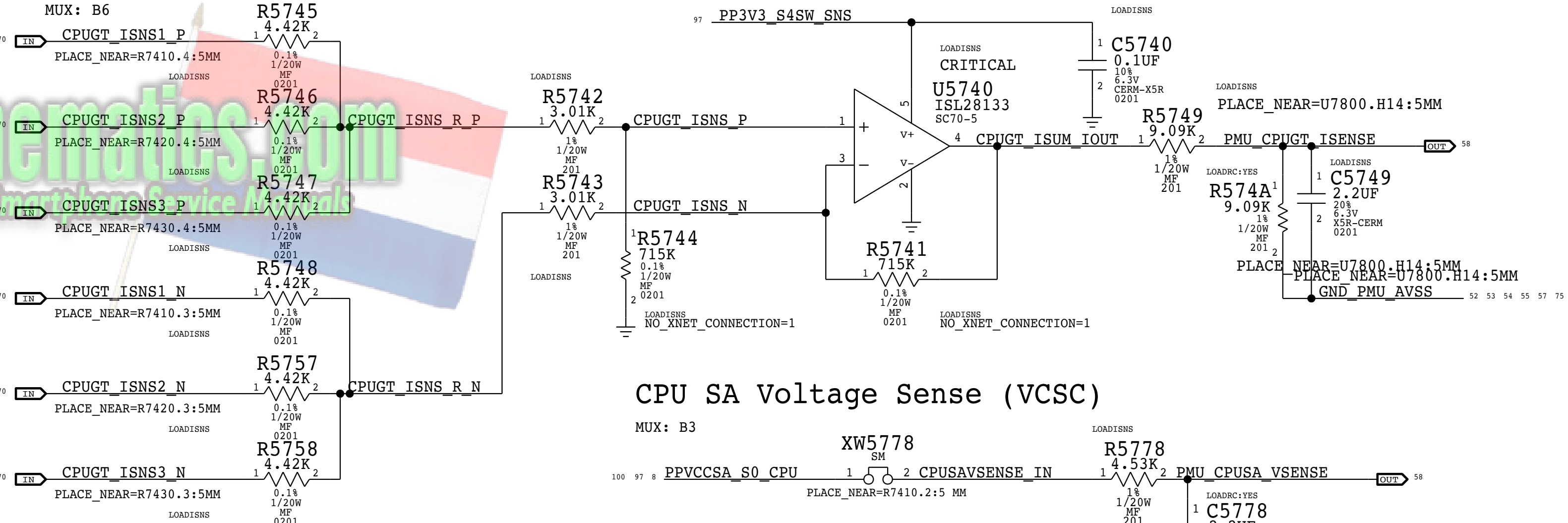
Gain: 200x, EDP: 0.17 A  
Rsense: 0.05 (R5730)  
Vsense: 8.5 mV, Range: 0.33 A  
EADC2: CH3



PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
117S0008	2	RES,MTL FLIM,100K,1/16W,0201,SMD,LF	R5768,R5777		LOADRC:NO
117S0008	2	RES,MTL FLIM,100K,1/16W,0201,SMD,LF	R574A,R5788		LOADRC:NO
117S0008	1	RES,MTL FLIM,100K,1/16W,0201,SMD,LF	R5798		LOADRC:NO

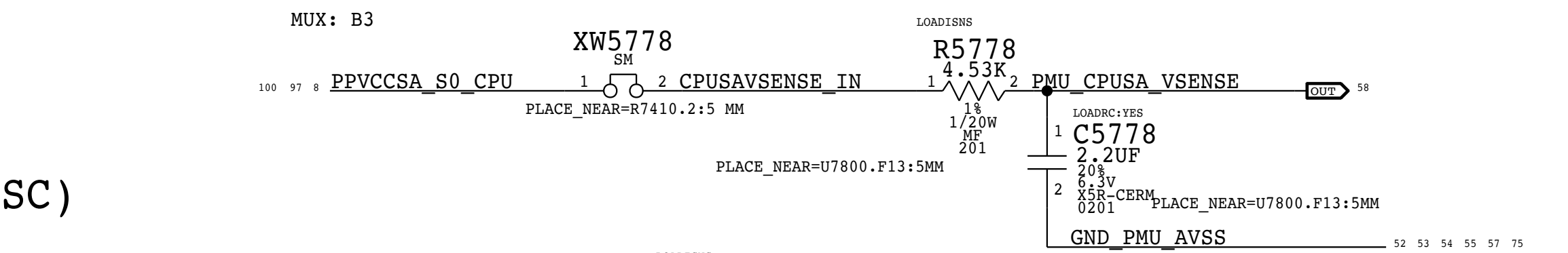
### CPU GT+GTx Current Sense (ICGC)

Gain: 188.49x, EDP: 64 A  
Rsense: 3x of 0.00075 (R7410, R7420, R7430), Rsum: 0.00025  
Vsense: 16 mV, Range: 53.05 A  
MUX: B6



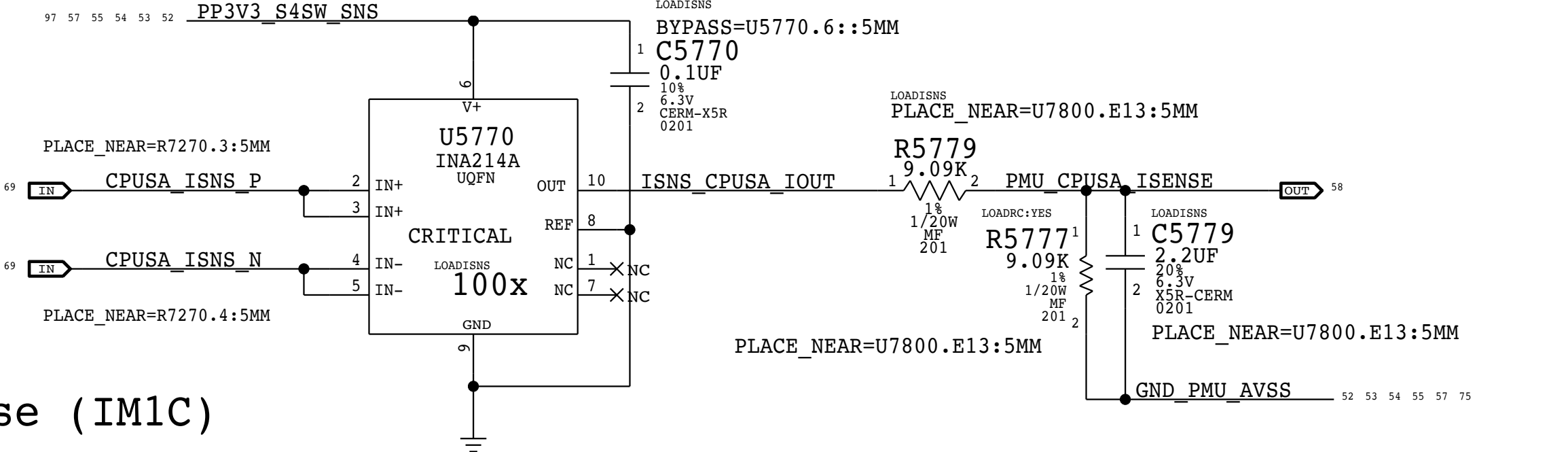
### CPU SA Voltage Sense (VCSC)

MUX: B3



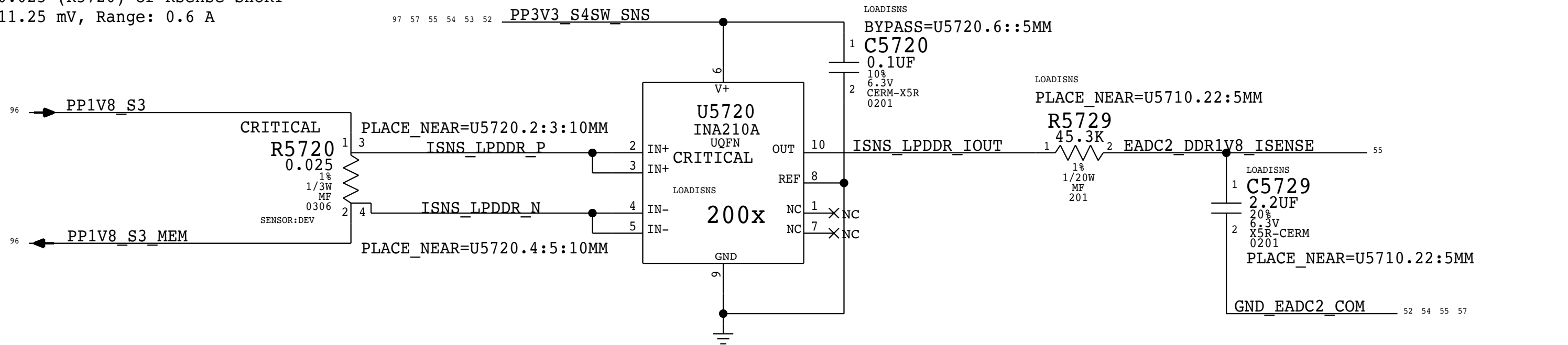
### CPU SA Current Sense (ICSC)

Gain: 100x, EDP: 9.5 A  
Rsense: 0.002 (R7270)  
Vsense: 19 mV, Range: 15 A  
MUX: B1



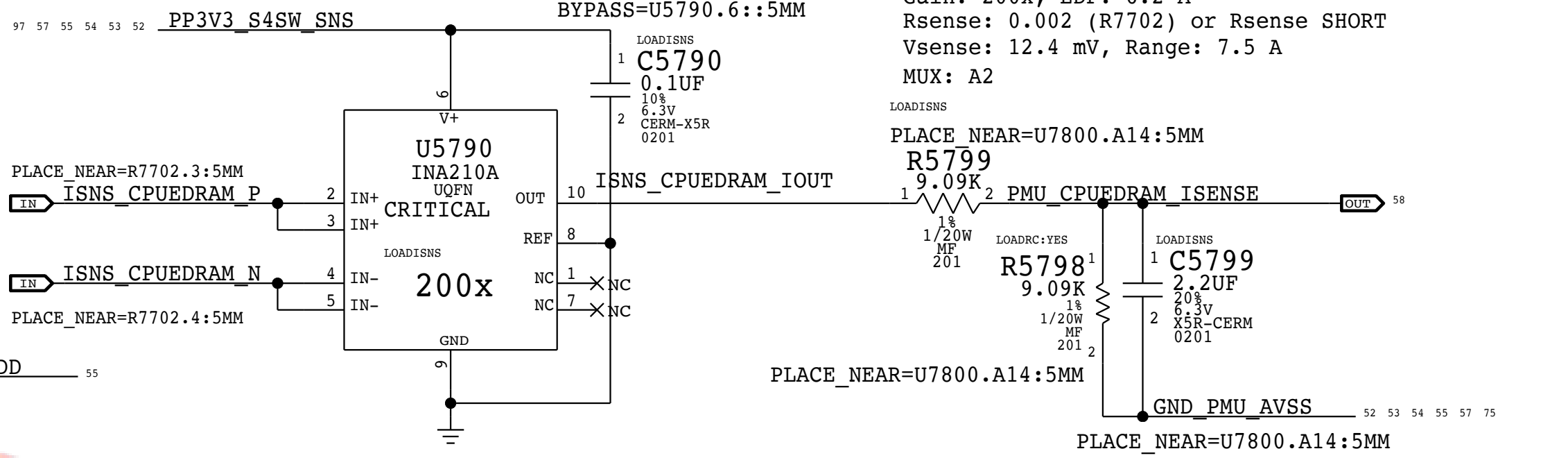
### LPDDR 1.8V Current Sense (IM1C)

Gain: 200x, EDP: 0.45 A  
Rsense: 0.025 (R5720) or Rsense SHORT  
Vsense: 11.25 mV, Range: 0.6 A  
MUX: B0

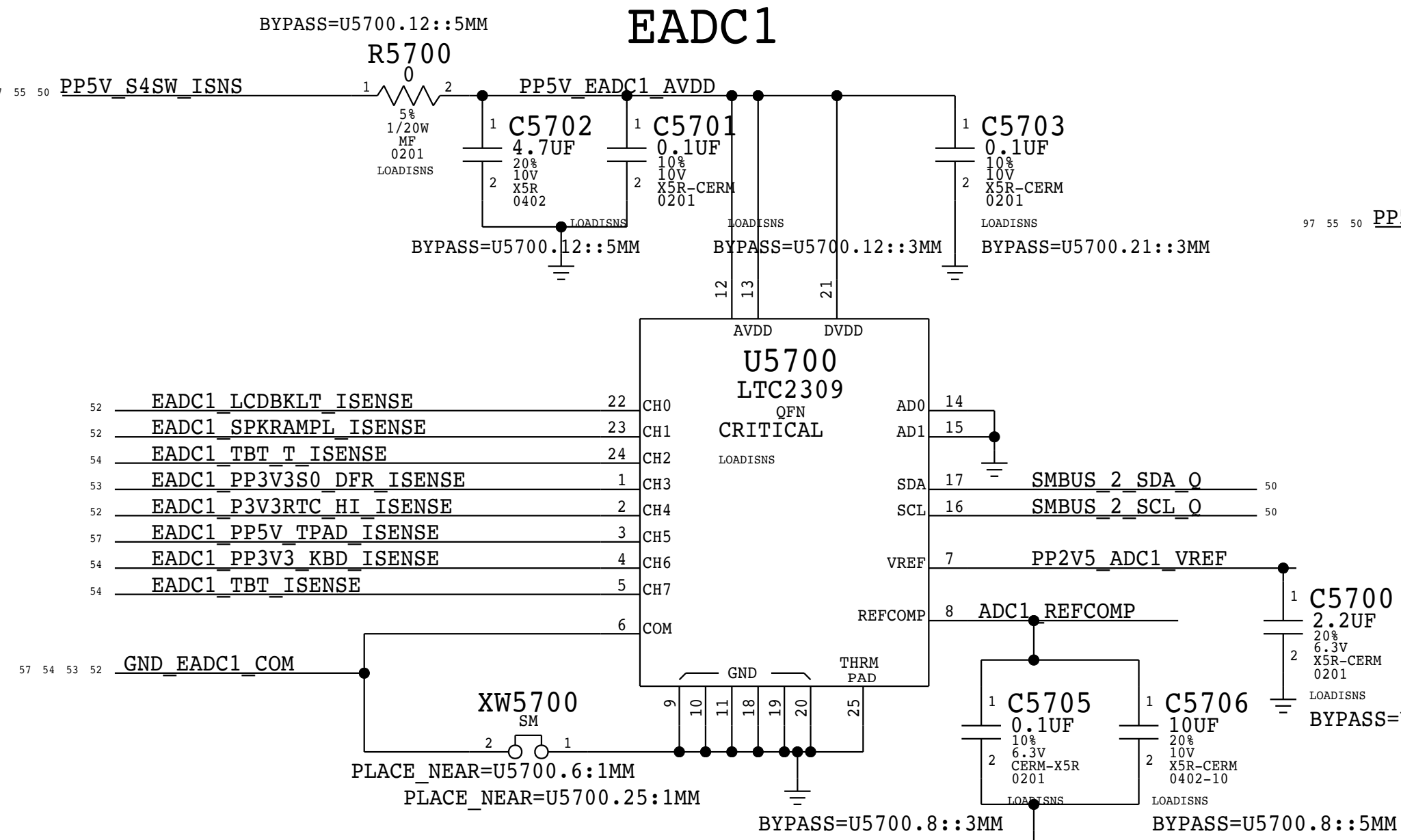


### CPU EDRAM Current Sense (ICEC)

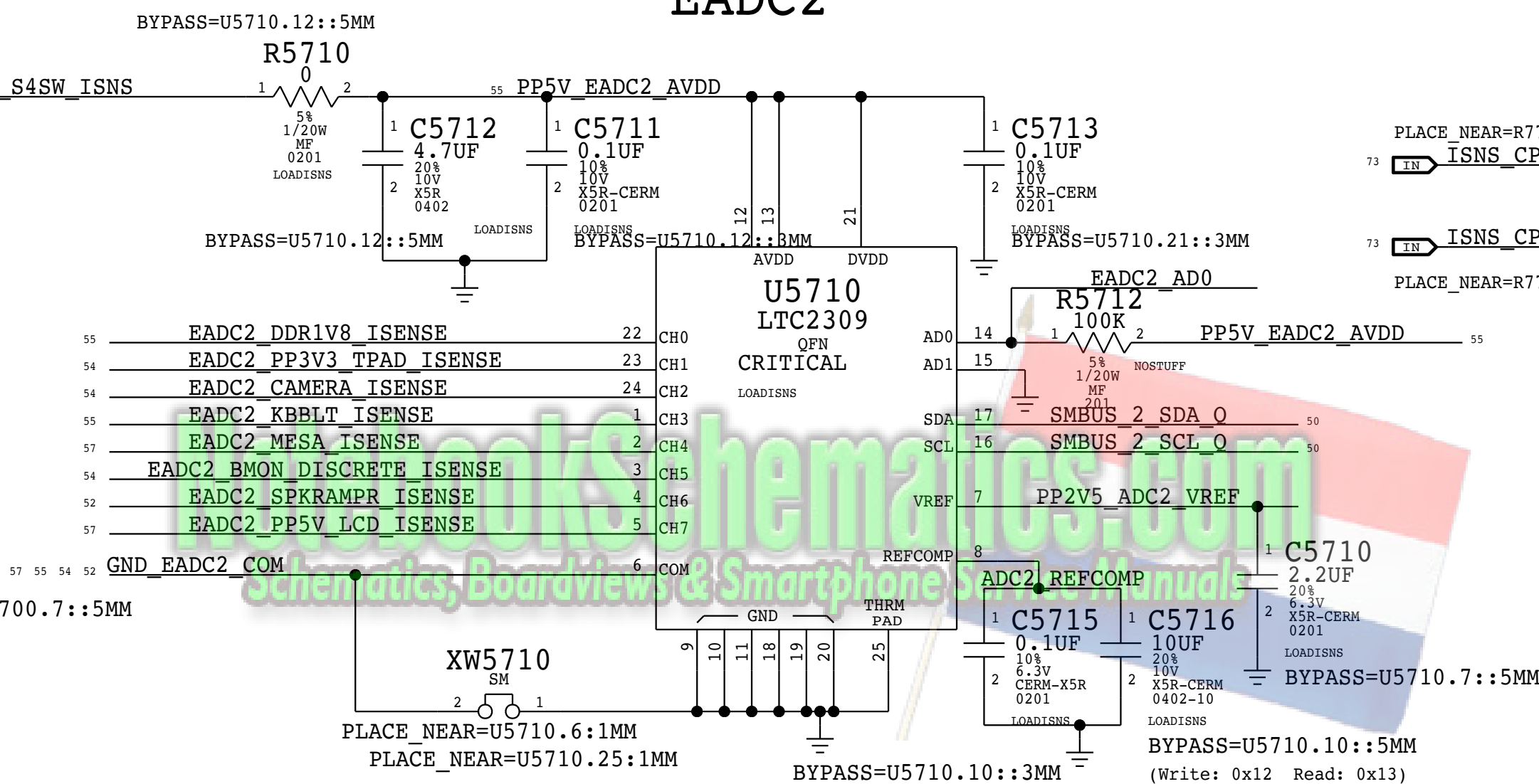
Gain: 200x, EDP: 6.2 A  
Rsense: 0.002 (R7702) or Rsense SHORT  
Vsense: 12.4 mV, Range: 7.5 A  
MUX: A2



### EADC1



### EADC2



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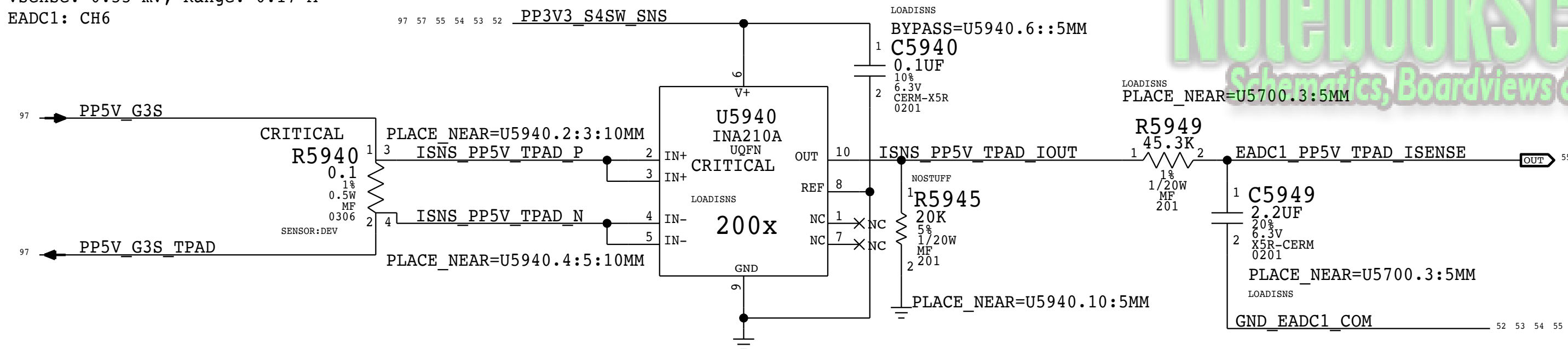






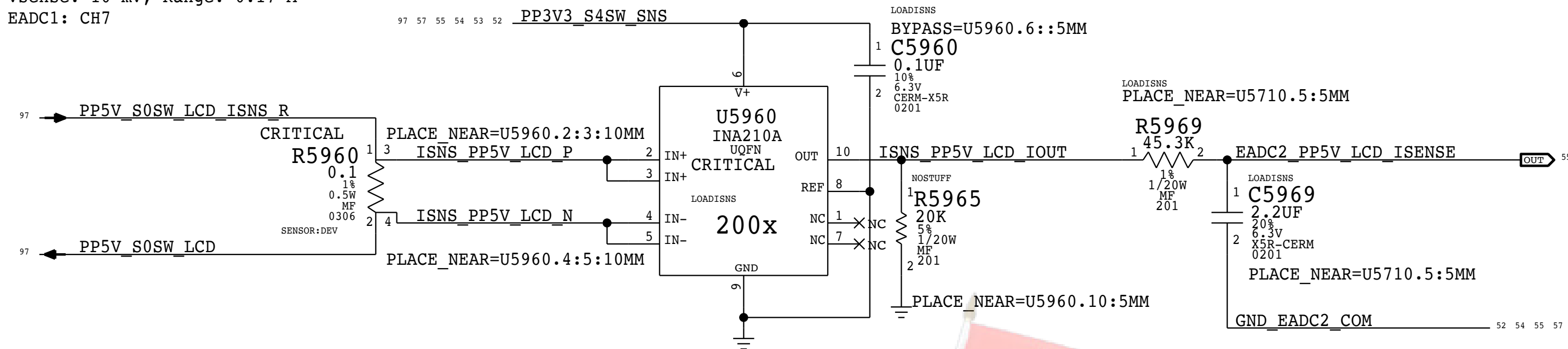
## Trackpad 5V Current Sense (IT5C)

Gain: 200x, EDP: 0.0055 A  
Rsense: 0.1 (R5940) or Rsense SHORT  
Vsense: 0.55 mV, Range: 0.17 A  
EADC1: CH6



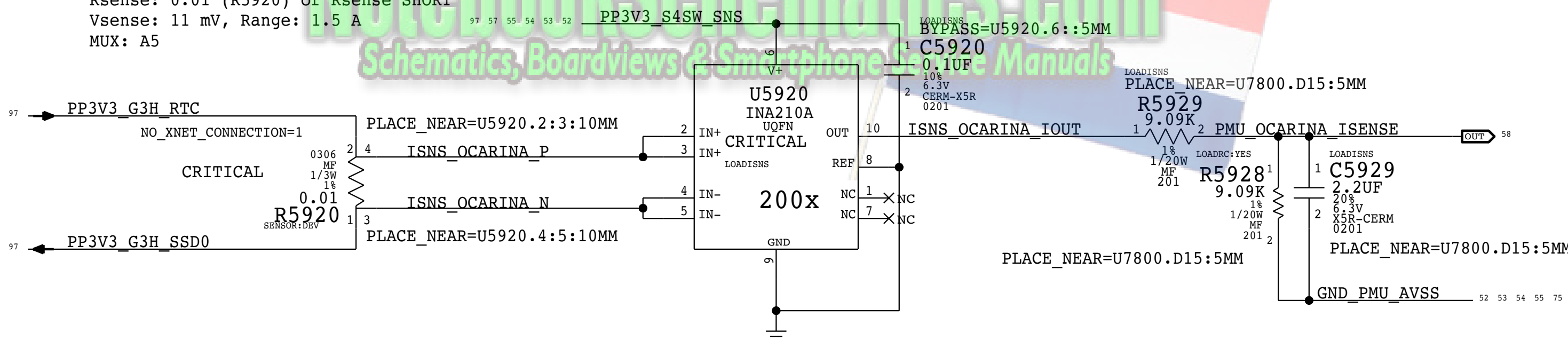
## LCD Panel 5V Current Sense (IL5C)

Gain: 200x, EDP: 0.1 A  
Rsense: 0.1 (R5960) or Rsense SHORT  
Vsense: 10 mV, Range: 0.17 A  
EADC1: CH7



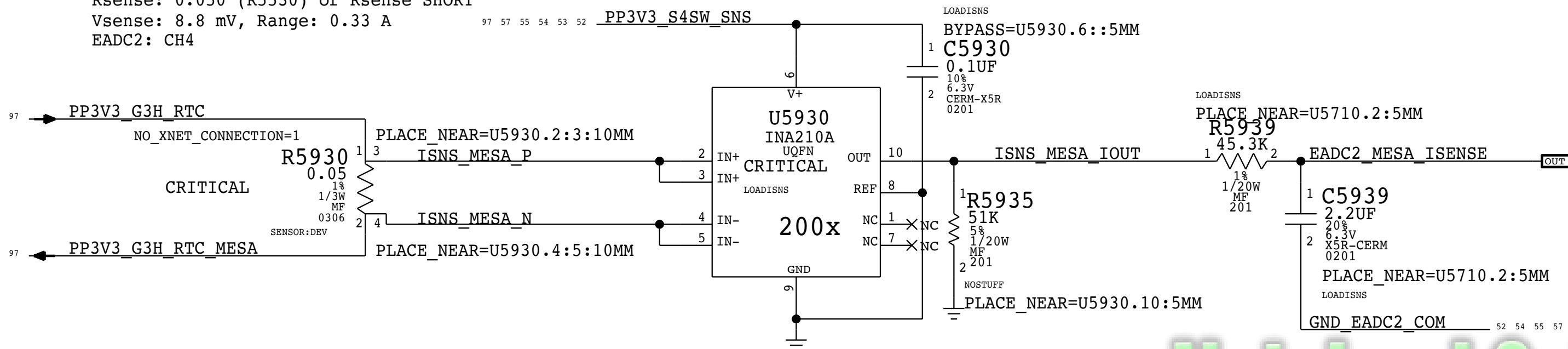
## Ocarina Current Sense (IHCC)

Gain: 200x, EDP: 1.1 A  
Rsense: 0.01 (R5920) or Rsense SHORT  
Vsense: 11 mV, Range: 1.5 A  
MUX: A5



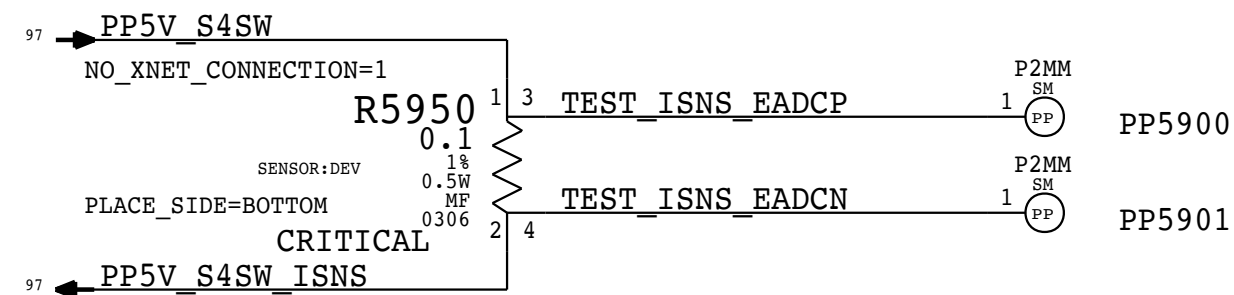
## MESA Current Sense (IIDC)

Gain: 200x, EDP: 0.176 A  
Rsense: 0.050 (R5930) or Rsense SHORT  
Vsense: 8.8 mV, Range: 0.33 A  
EADC2: CH4



## EADC Current Sense

EDP: 6m A  
Rsense: 0.1 (R5950) or Rsense SHORT  
Vsense: 0.6 mV



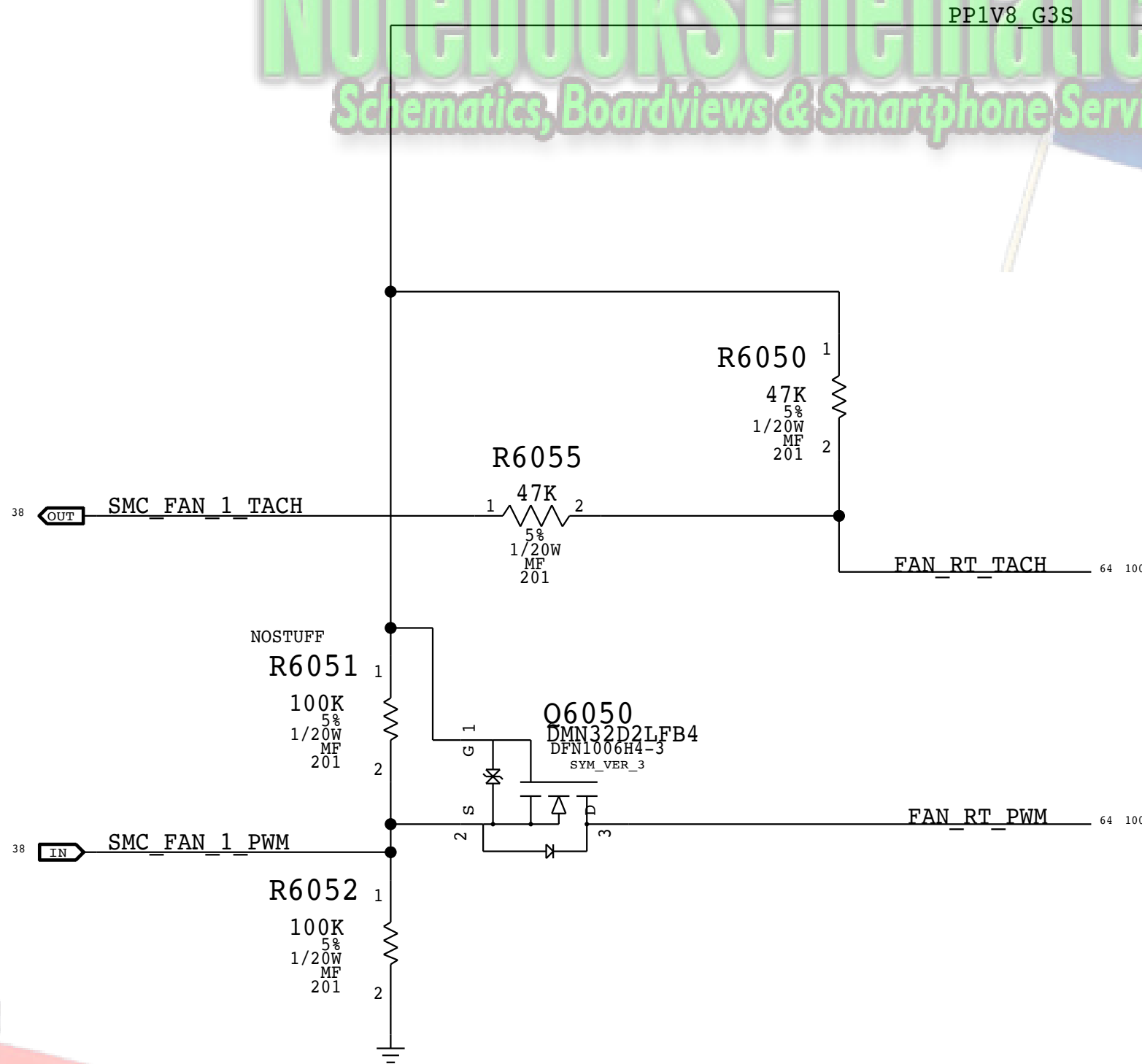
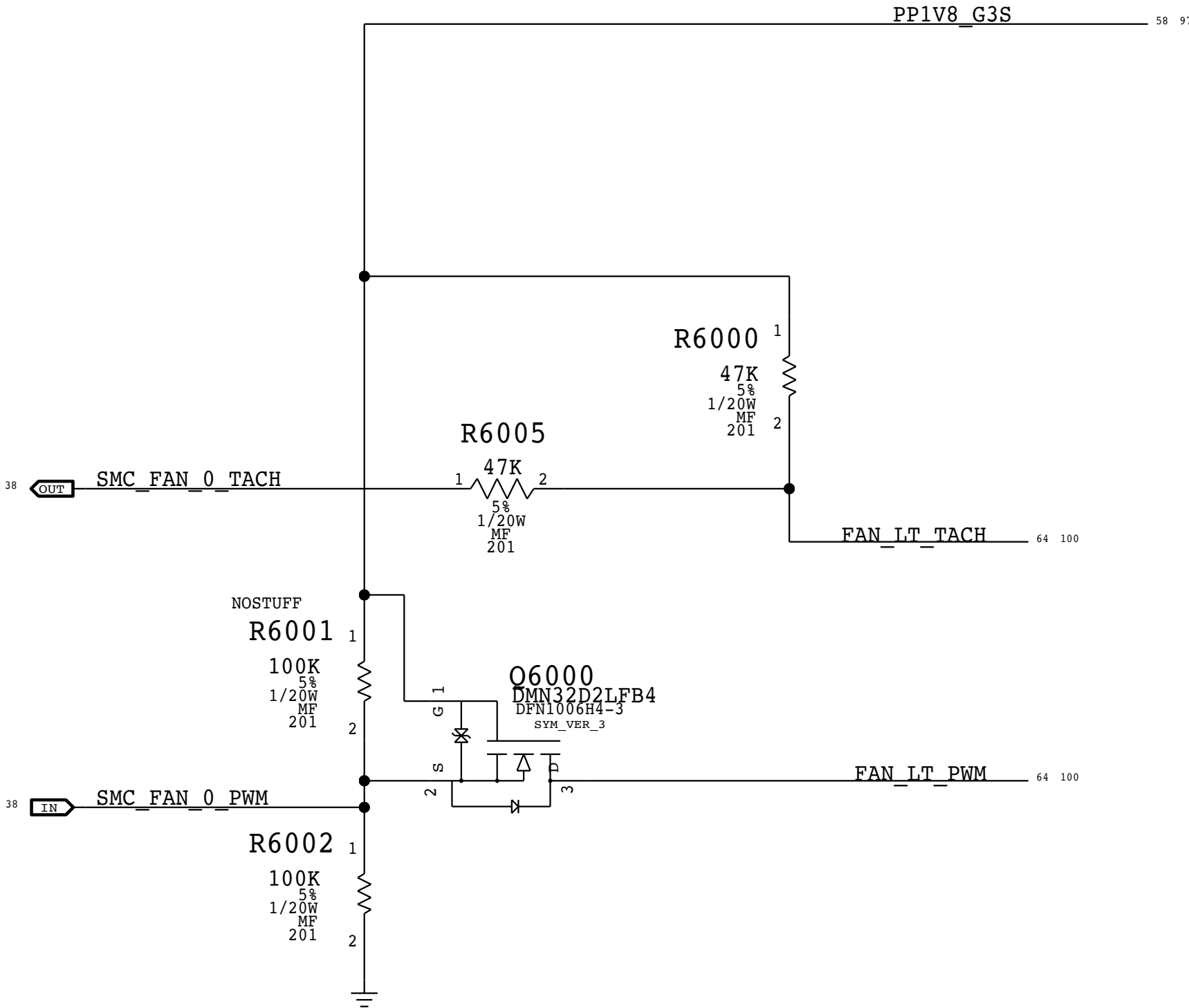
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Power Sensors:Extended 3		
	DRAWING NUMBER	051-02166
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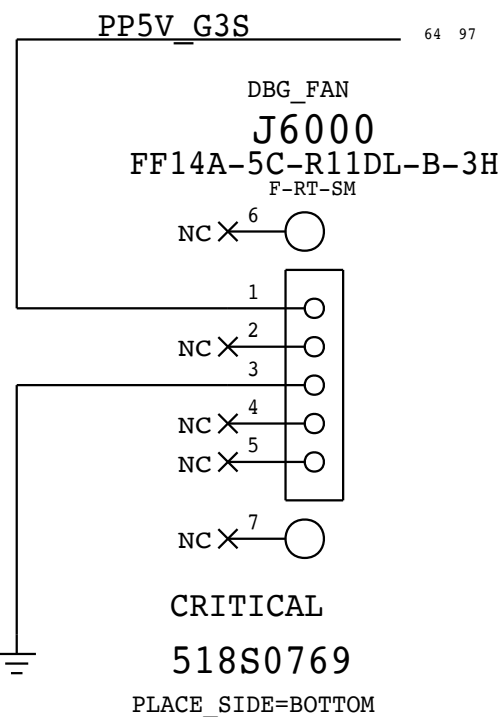
BOM\_COST\_GROUP=SENSORS



FAN CONTROL



FOR DEBUG FAN POWER



SMC ADC Assignments

IN	SMC_CPU_HS_ISENSE	==	SMC_CPU_HS_ISENSE	OUT
IN	SMC_PBUS_VSENSE	==	SMC_PBUS_VSENSE	OUT
IN	SMC_BMON_ISENSE	==	SMC_BMON_ISENSE	OUT
IN	SMC_DCIN_ISENSE	==	SMC_DCIN_ISENSE	OUT
IN	SMC_DCIN_VSENSE	==	SMC_DCIN_VSENSE	OUT
IN	SMC_PP3V3_WLANBT_ISENSE	==	SMC_PP3V3_WLANBT_ISENSE	OUT
IN	SMC_PP1V8_WLANBT_ISENSE	==	SMC_PP1V8_WLANBT_ISENSE	OUT
IN	SMC_CALPE_ISENSE	==	SMC_CALPE_ISENSE	OUT

KBL-U NB Assignments

CPUGT ISNS	ADC5
IACORE ISNS	ADC6

Desktop Assignments

GPU_AUX	ADC0
GPU_CORE	ADC1
12V_VSNS	ADC2
12V_ISNS	ADC3
Same	ADC4-7

PMU ADC Assignments


IN	PMU_OTHER3V3_HI_ISENSE	==	PMU_OTHER3V3_HI_ISENSE	OUT
IN	PMU_OTHER5V_HI_ISENSE	==	PMU_OTHER5V_HI_ISENSE	OUT
IN	PMU_CPUEDRAM_ISENSE	==	PMU_CPUEDRAM_ISENSE	OUT
IN	PMU_CPUVCCIO_ISENSE	==	PMU_CPUVCCIO_ISENSE	OUT
IN	PMU_DDR1V2_ISENSE	==	PMU_DDR1V2_ISENSE	OUT
IN	PMU_OCARINA_ISENSE	==	PMU_OCARINA_ISENSE	OUT
IN	PMU_SSDNAND_ISENSE	==	PMU_SSDNAND_ISENSE	OUT
IN	PMU_CPUP5VREG_ISENSE	==	PMU_CPUP5VREG_ISENSE	OUT
IN	NC_PMU_AMUX_AY	==	NC_PMU_AMUX_AY	OUT
IN	PMU_LCDPANEL_ISENSE	==	PMU_LCDPANEL_ISENSE	OUT
IN	PMU_CPUSA_ISENSE	==	PMU_CPUSA_ISENSE	OUT
IN	PMU_CPUDDR_ISENSE	==	PMU_CPUDDR_ISENSE	OUT
IN	PMU_CPUSA_VSENSE	==	PMU_CPUSA_VSENSE	OUT
IN	PMU_CPU_VSENSE	==	PMU_CPU_VSENSE	OUT
IN	PMU_CPUGT_VSENSE	==	PMU_CPUGT_VSENSE	OUT
IN	PMU_CPUGT_ISENSE	==	PMU_CPUGT_ISENSE	OUT
IN	PMU_CPU_ISENSE	==	PMU_CPU_ISENSE	OUT
IN	NC_PMU_AMUX_BY	==	NC_PMU_AMUX_BY	OUT

Fans/SMC/AMUX Support		
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	8	7	6	5	4	3	2	1
D								
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A								
	8	7	6	5	4	3	2	1



DESIGN: X502/DEV MLB U		
LAST CHANGE: Wed Feb 18 17:12:24 2015		
PAGE TITLE		
Audio Placeholder		
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	SHEET	59 OF 108

BOM\_COST\_GROUP=AUDIO



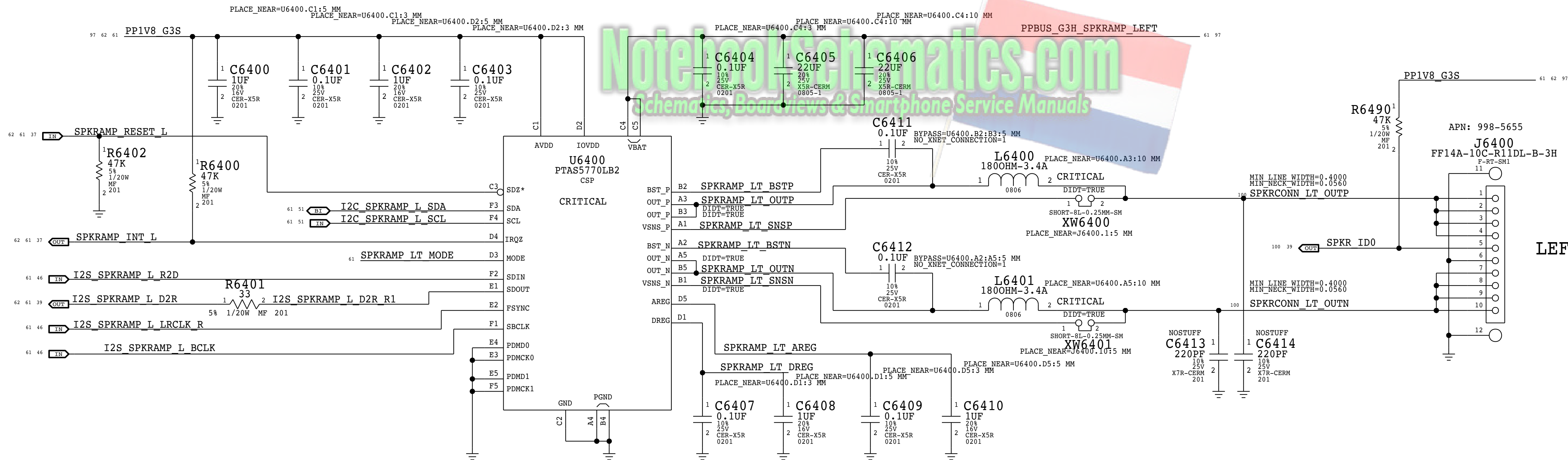
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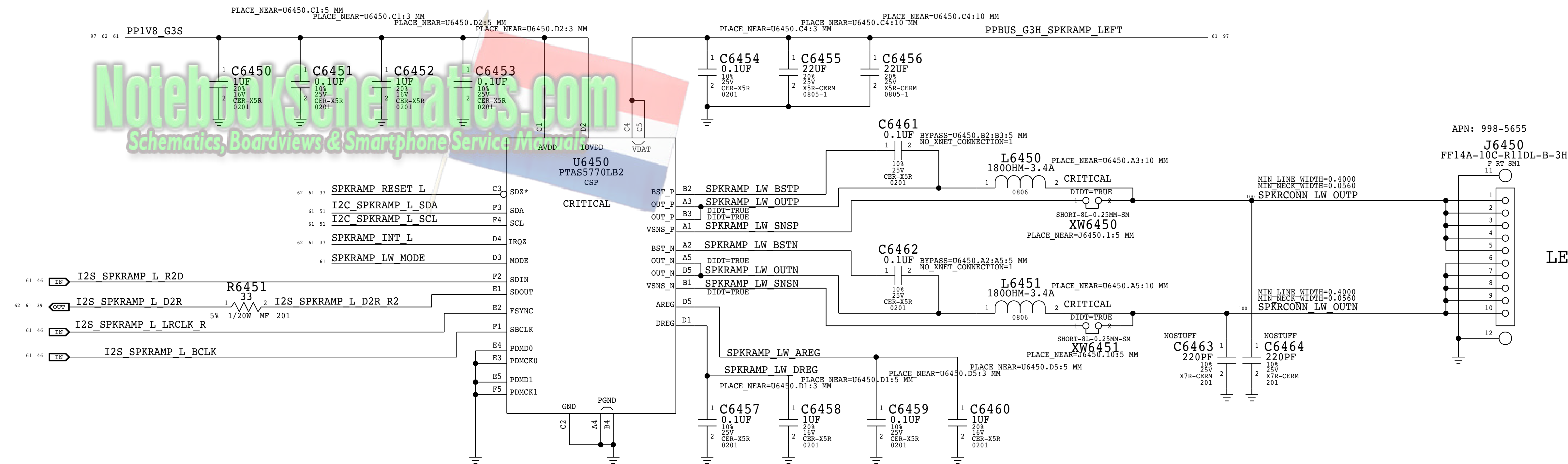
## 2X MONO SPEAKER LEFT AMPLIFIERS

APN: 353801252

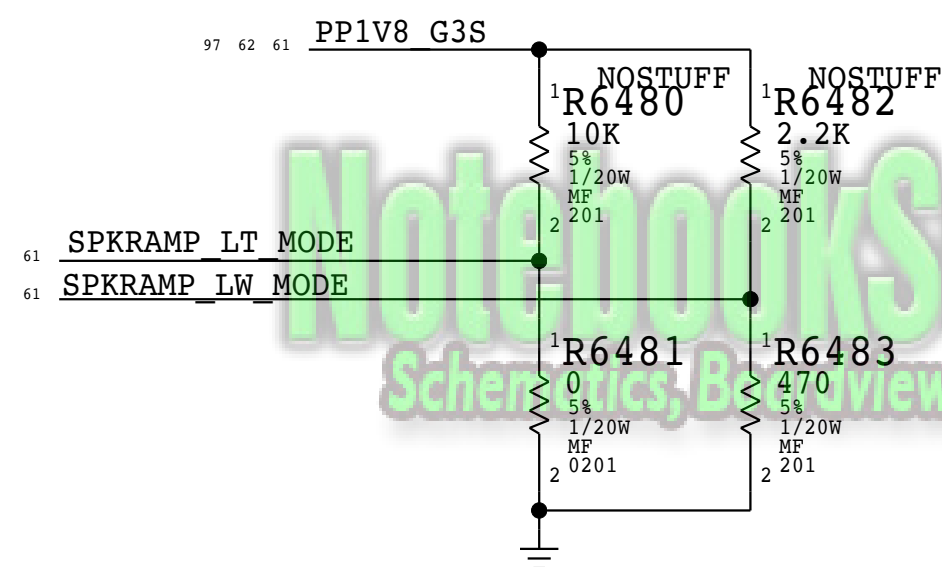
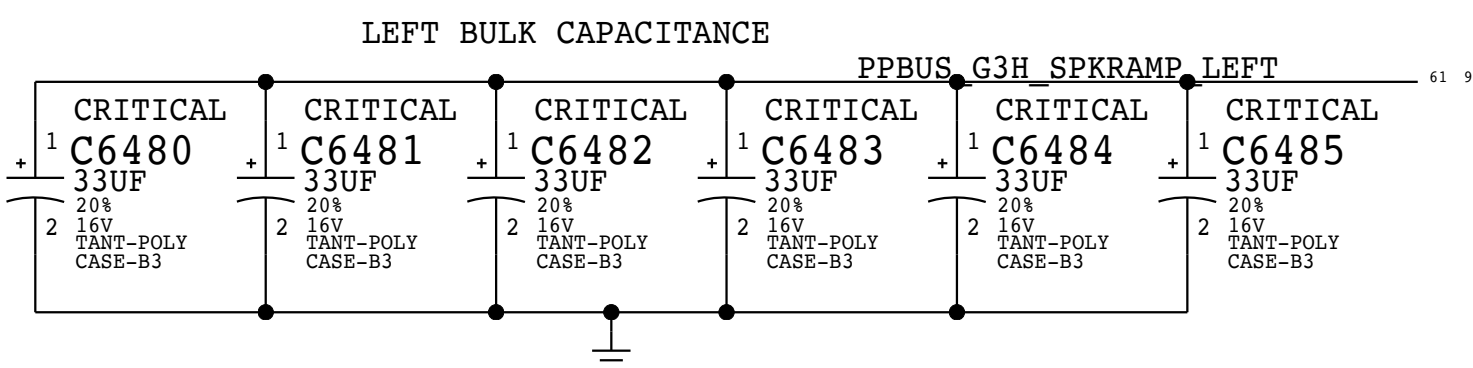
GAIN: 0DBFS = xxVRMS



LEFT TWEETER



LEFT WOOFER



MODE	PIN	I2C ADDR	CHANNEL
GND	0x31		L TW
470 to GND	0x32		L WF
470 to IOVDD	0x33		R TW
2K2 to GND	0x34		R WF
2K2 to IOVDD	0x35		
10K to GND	0x36		
10K to IOVDD	0x37		
47K to IOVDD	0x38		

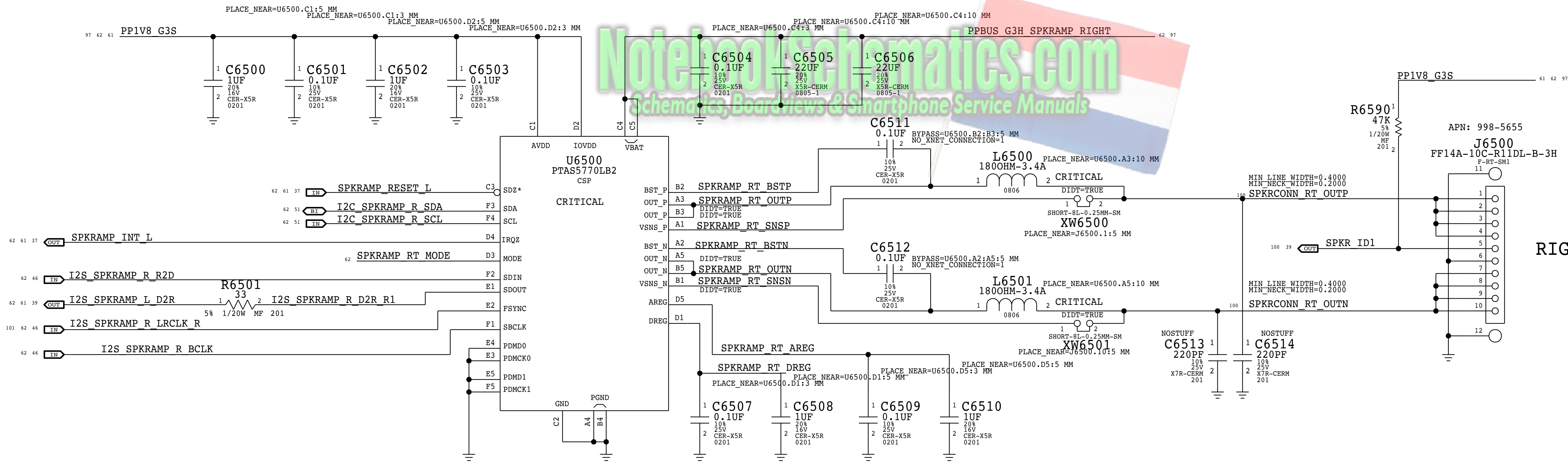
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Audio Left Amplifiers		
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	PAGE	64 OF 150
	SHEET	61 OF 108

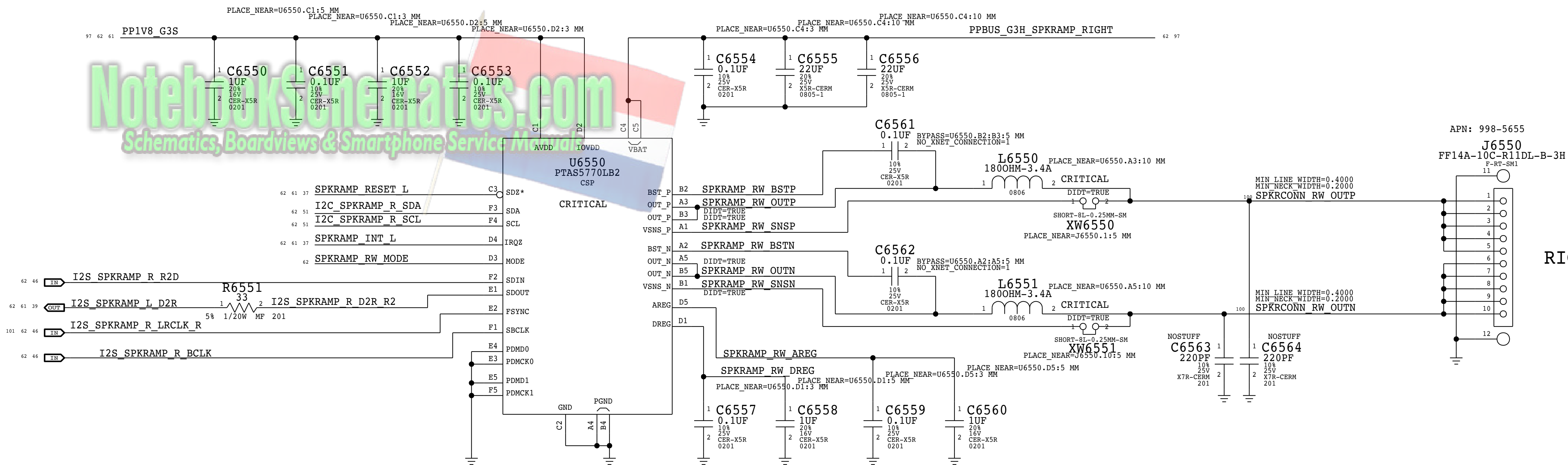


2X MONO SPEAKER RIGHT AMPLIFIERS

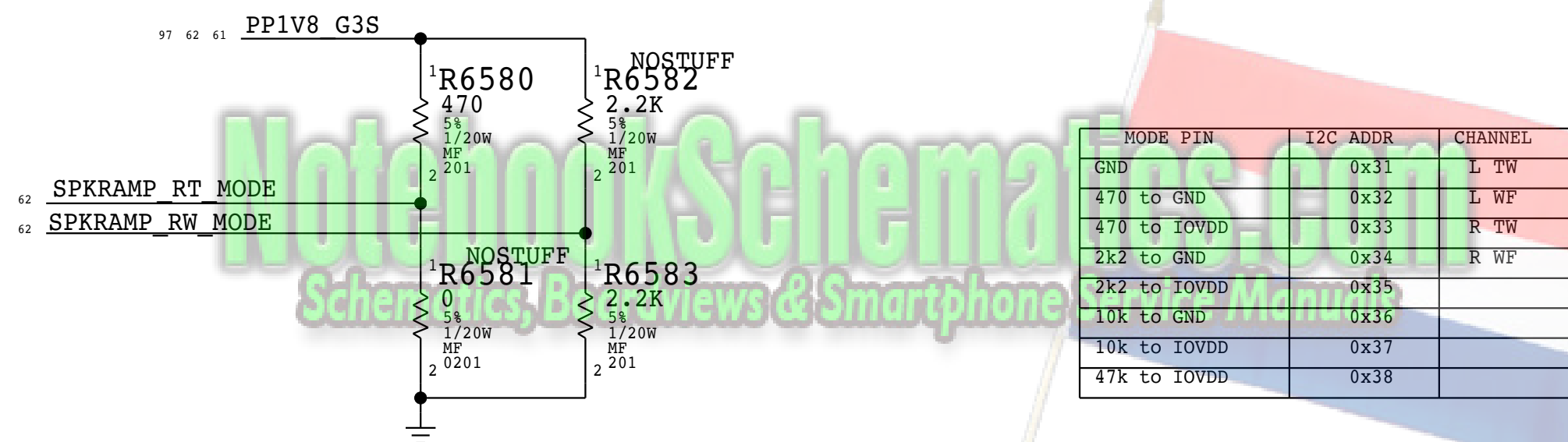
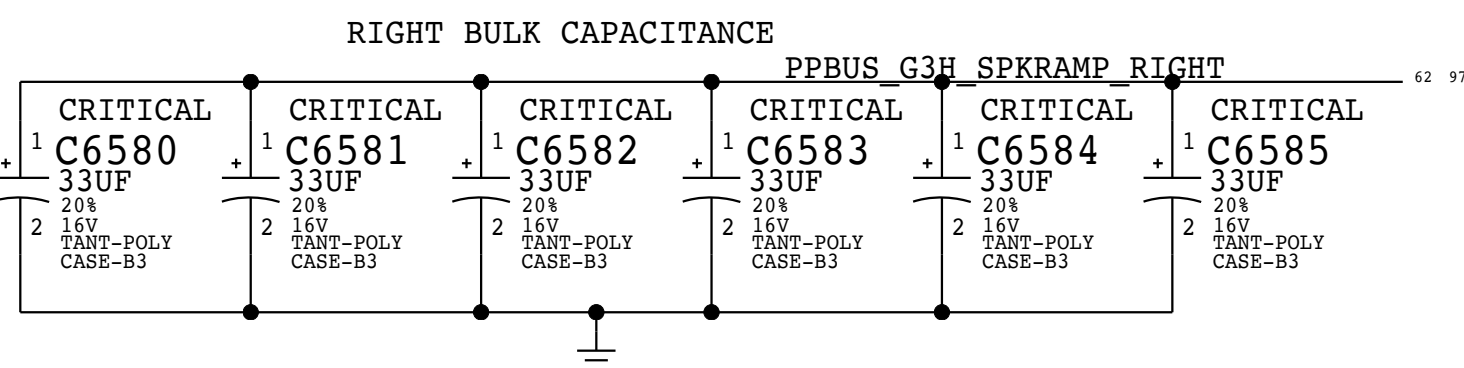
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GAIN: 0DBFS = xxVRMS



RIGHT TWEETER



RIGHT WOOFER

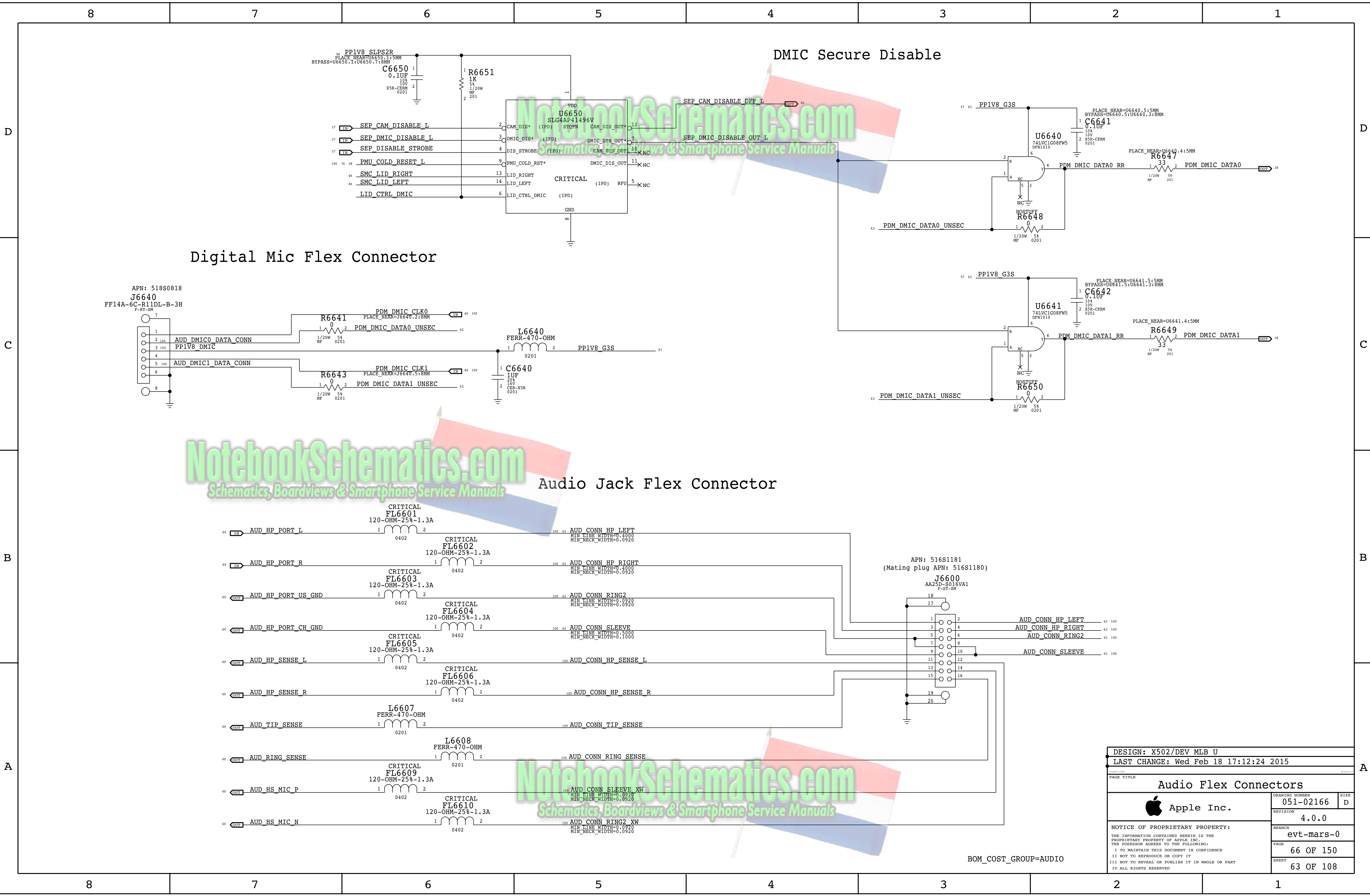


MODE	PIN	I2C ADDR	CHANNEL
GND	0x31		L TW
470 to GND	0x32		L WF
470 to IOVDD	0x33		R TW
2k2 to GND	0x34		R WF
2k2 to IOVDD	0x35		
10k to GND	0x36		
10k to IOVDD	0x37		
47k to IOVDD	0x38		

BOM\_COST\_GROUP=AUDIO

PAGE TITLE			
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	DRAWING NUMBER	051-02166	SIZE D
	REVISION	4.0.0	
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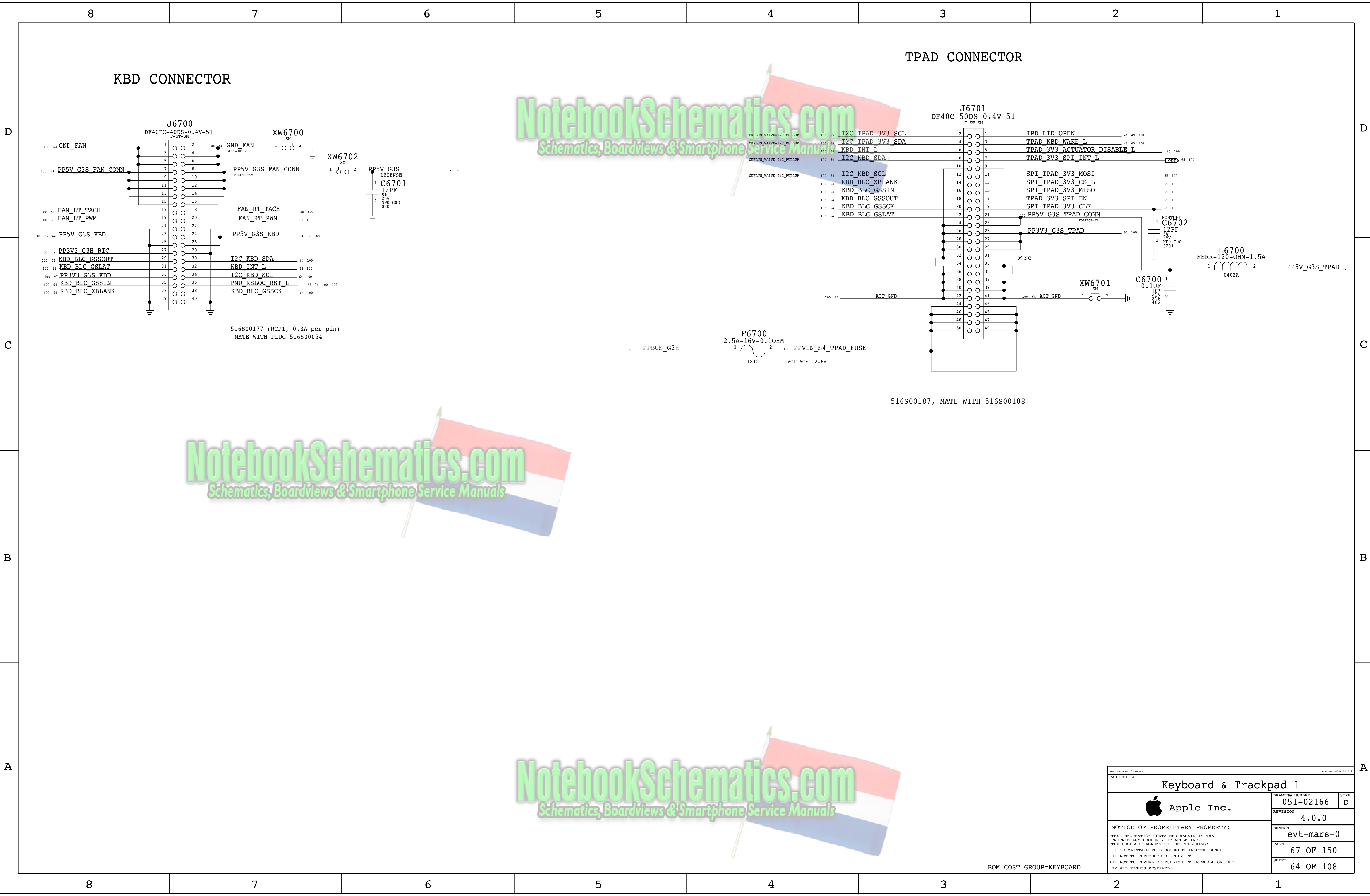
Digital Mic Flex Connector


Audio Jack Flex Connector

DESIGN: X502/DEV MLB U		
LAST CHANGE: Wed Feb 18 17:12:24 2015		
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Audio Flex Connectors		
	DRAWING NUMBER	051-02166
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BOM\_COST\_GROUP=AUDIO



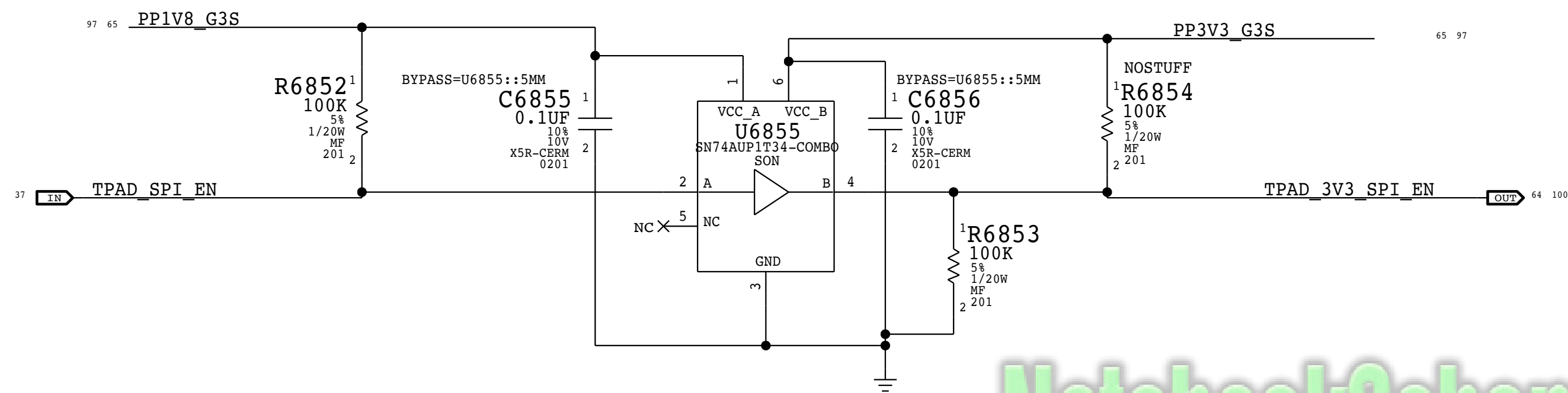
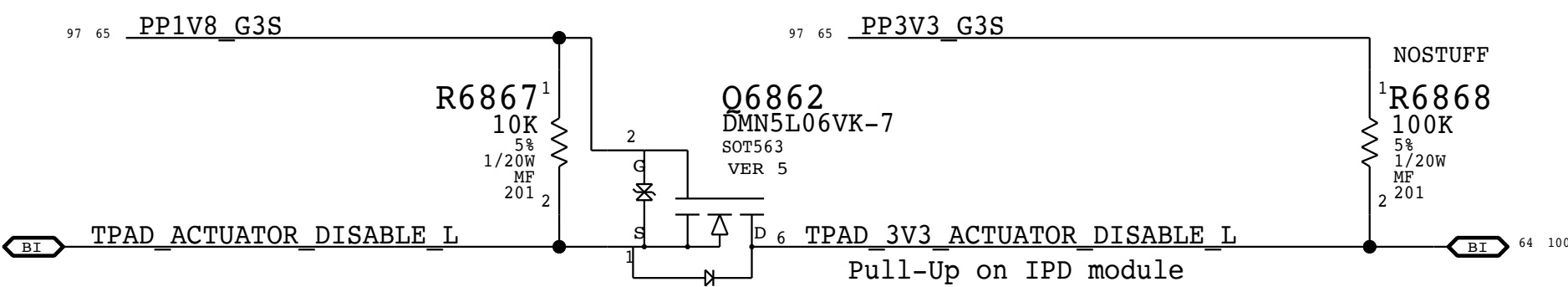
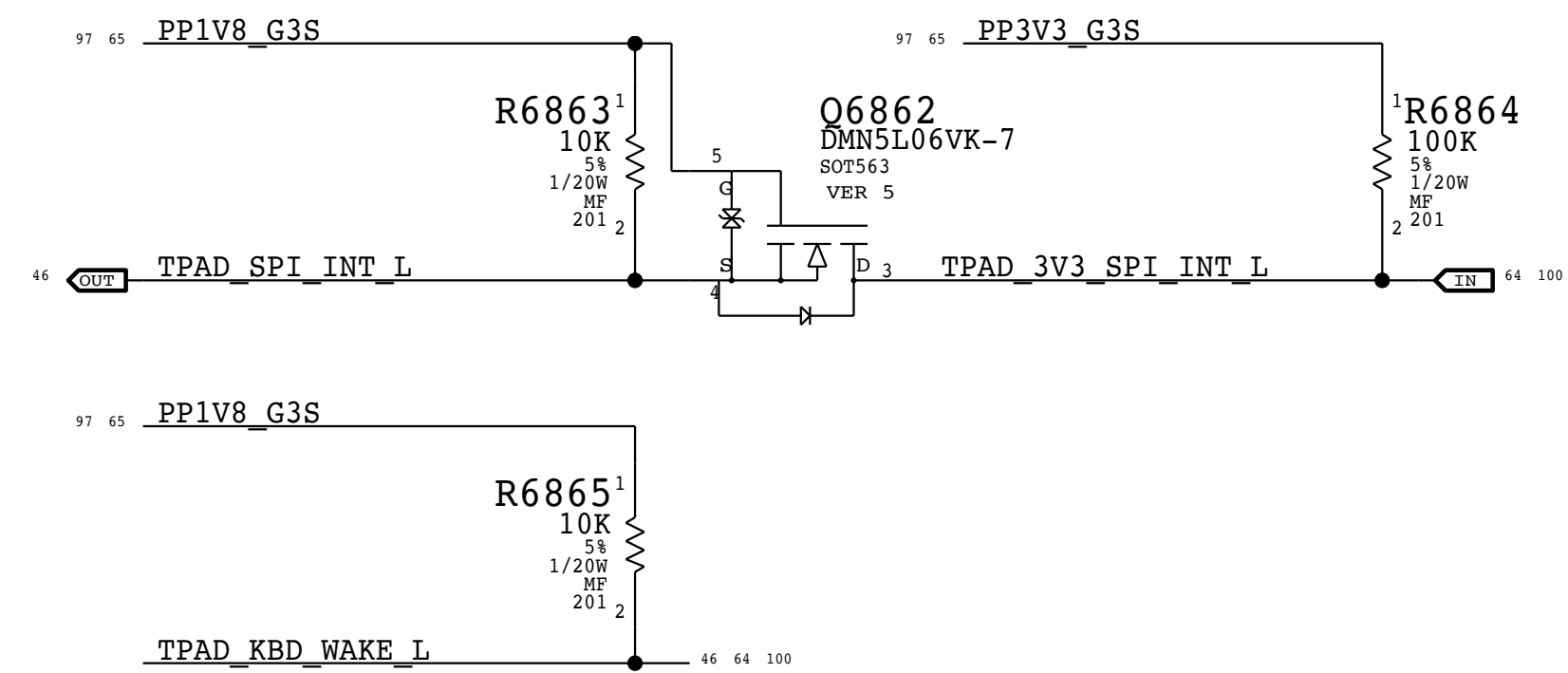
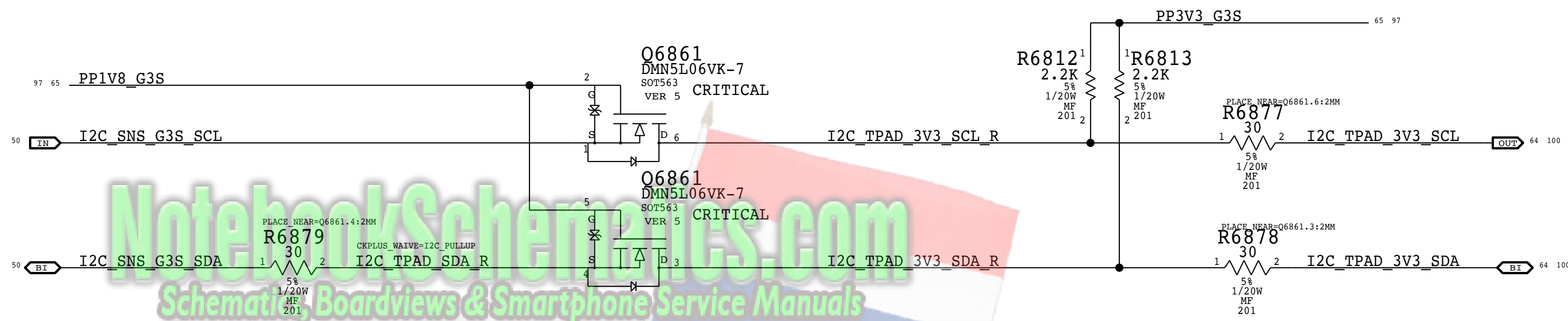
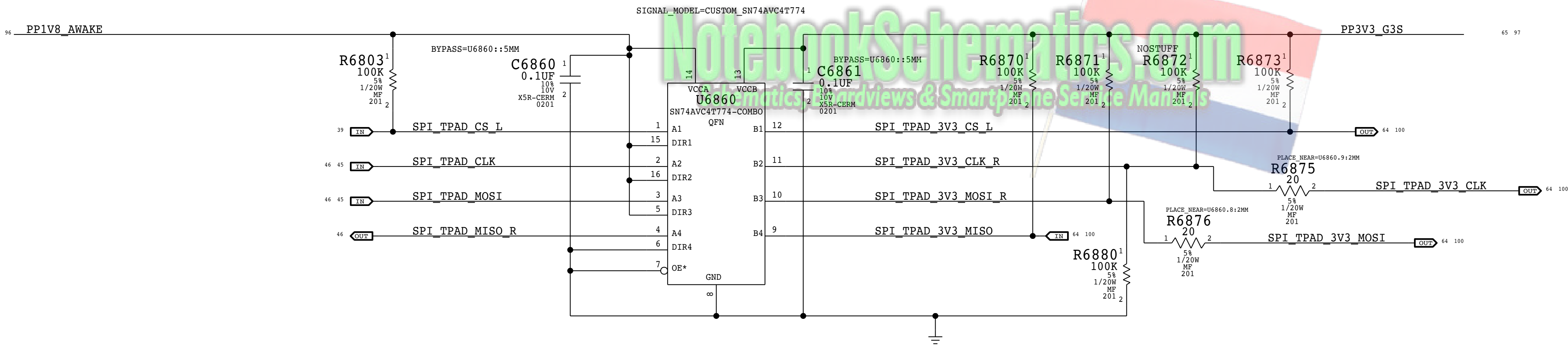


PAGE TITLE		
Keyboard & Trackpad 1		
 Apple Inc.	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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BOM\_COST\_GROUP=KEYBOARD



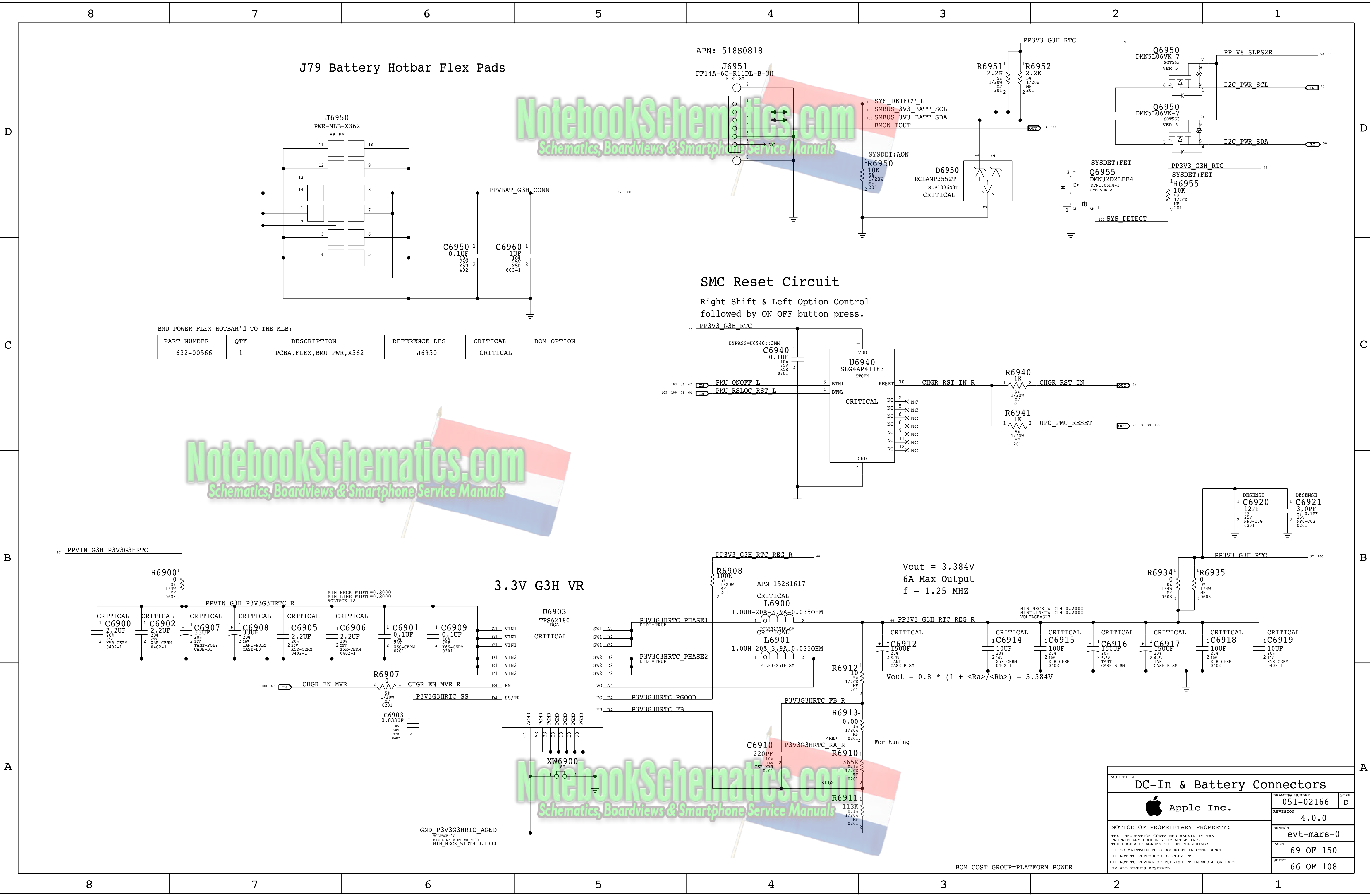
Trackpad Level Shifting



SYNC MASTER=J132_J1M			SYNC DATE=09/05/2017		
PAGE TITLE			Keyboard & Trackpad 2		
			DRAWING NUMBER	051-02166	SIZE
			REVISION	4.0.0	D
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			PAGE	68 OF 150	
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BOM\_COST\_GROUP=TRACKPAD



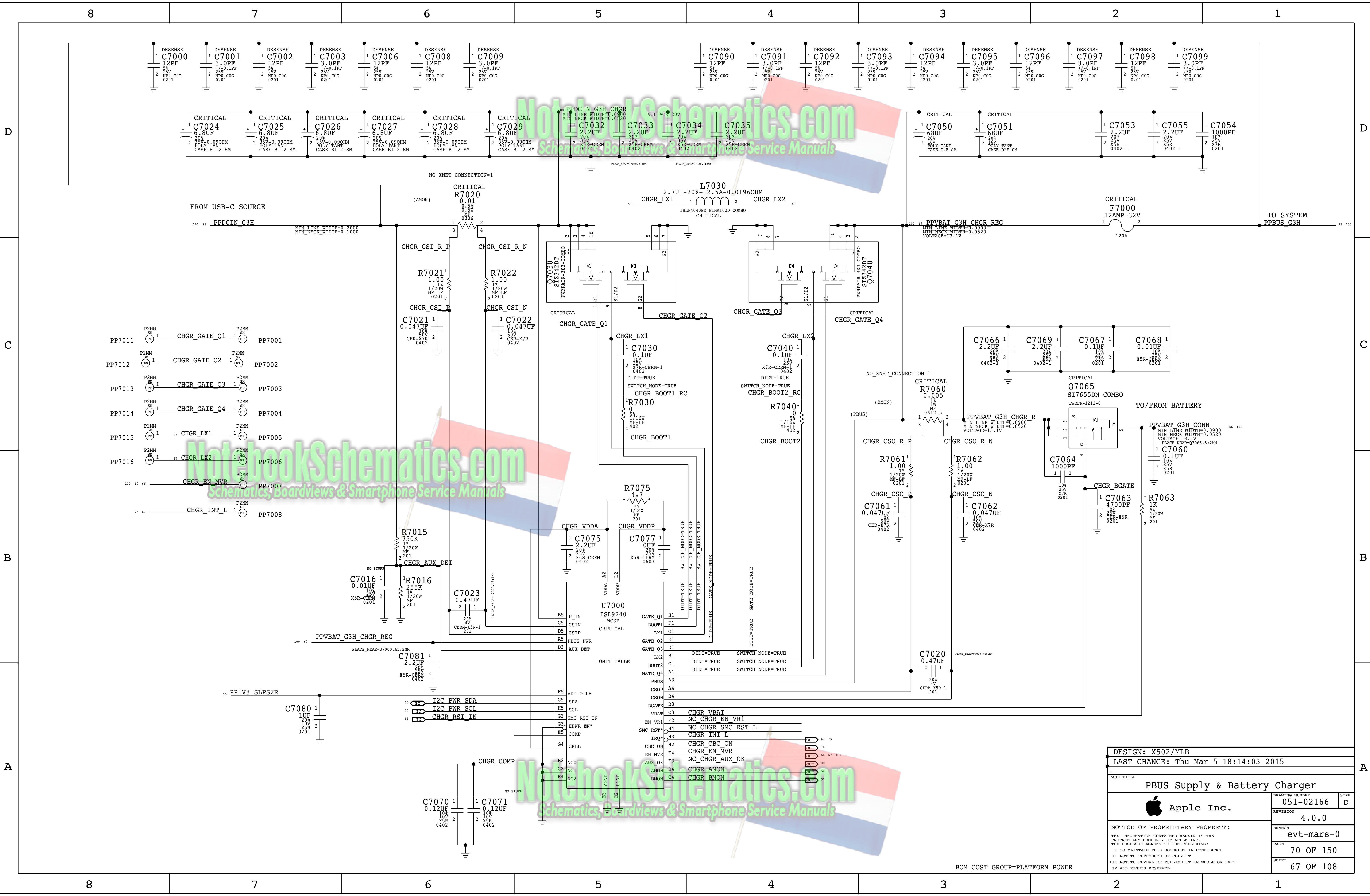


BMU POWER FLEX HOTBAR'd TO THE MLB:

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
632-00566	1	PCBA,FLEX,BMU PWR,X362	J6950	CRITICAL	

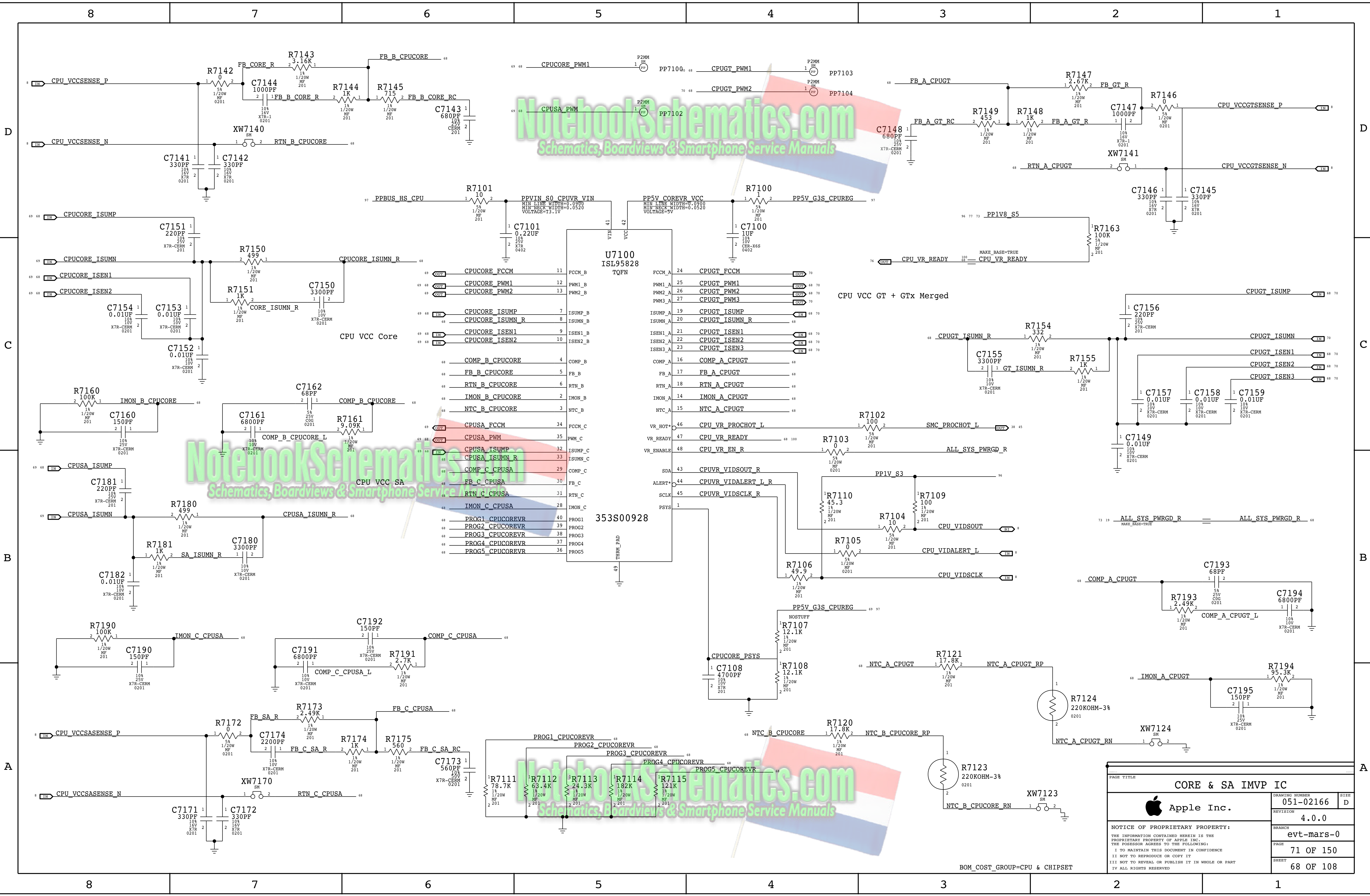
Vout = 3.384V  
6A Max Output  
f = 1.25 MHZ





DESIGN: X502/MLB		
LAST CHANGE: Thu Mar 5 18:14:03 2015		
PAGE TITLE		
PBUS Supply & Battery Charger		
	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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	PAGE	70 OF 150
	SHEET	67 OF 108

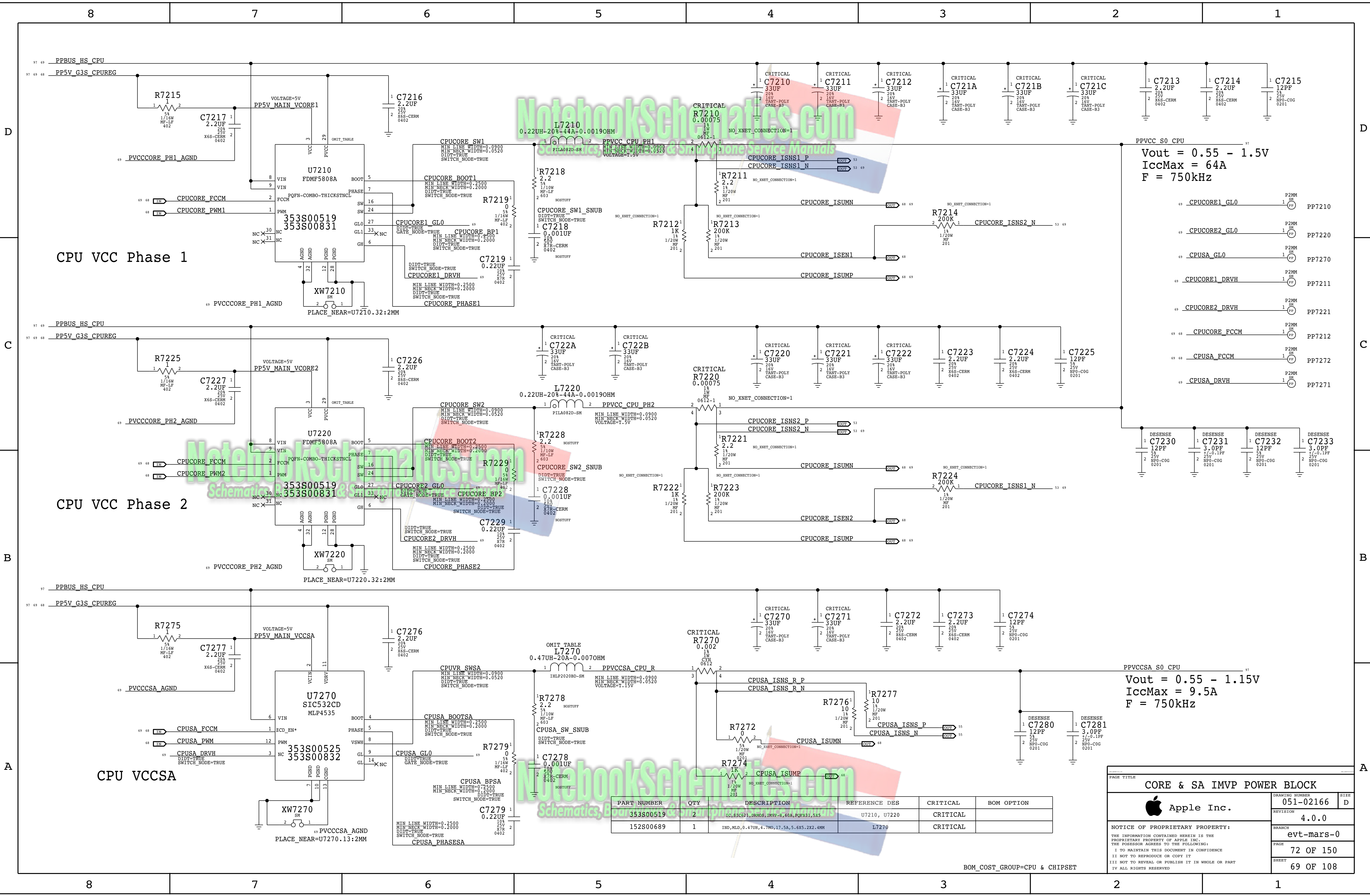




PAGE TITLE			
CORE & SA IMVP IC			
	DRAWING NUMBER	051-02166	SIZE
	REVISION	4.0.0	D
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I11 NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART			
I1V ALL RIGHTS RESERVED			

BOM\_COST\_GROUP=CPU & CHIPSET





PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
353S00519	2	IC, SIC621, DRMO5, IMVF=8, 60A, PQFN31, 5X5	U7210, U7220	CRITICAL	
152S00689	1	IND, MLD, 0.47UH, 4.7mOhm, 17.5A, 5.6X5.2X2.4MM	L7270	CRITICAL	

PAGE TITLE		
CORE & SA IMVP POWER BLOCK		
	DRAWING NUMBER	051-02166
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	BRANCH	evt-mars-0
	PAGE	72 OF 150
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BOM\_COST\_GROUP=CPU & CHIPSET



8

7

6

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3

2

1

## CPU VCCGT/GTx Phase 1

PLACE\_NEAR=U7410.32:2MM  
70 PVCCCGT\_PH1\_AGND

## CPU VCCGT/GTx Phase 2


PLACE\_NEAR=U7420.32:2MM  
70 PVCCCGT\_PH2\_AGND

## CPU VCCGT/GTx Phase 3

PLACE\_NEAR=U7430.32:2MM  
70 PVCCCGT\_PH3\_AGND

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
353S00497	3	IC,FDMF808A,DRMOS,IMVP8,50A,PQFN31,5X5	U7410, U7420, U7430	CRITICAL	

 $V_{out} = 0.55 - 1.5V$   
 $I_{ccMax} = 64A$   
 $F = 750kHz$ 


GT & GTX IMVP POWER BLOCK		
 Apple Inc.	DRAWING NUMBER	051-02166
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BOM\_COST\_GROUP=CPU &amp; CHIPSET



	8	7	6	5	4	3	2	1
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	8	7	6	5	4	3	2	1

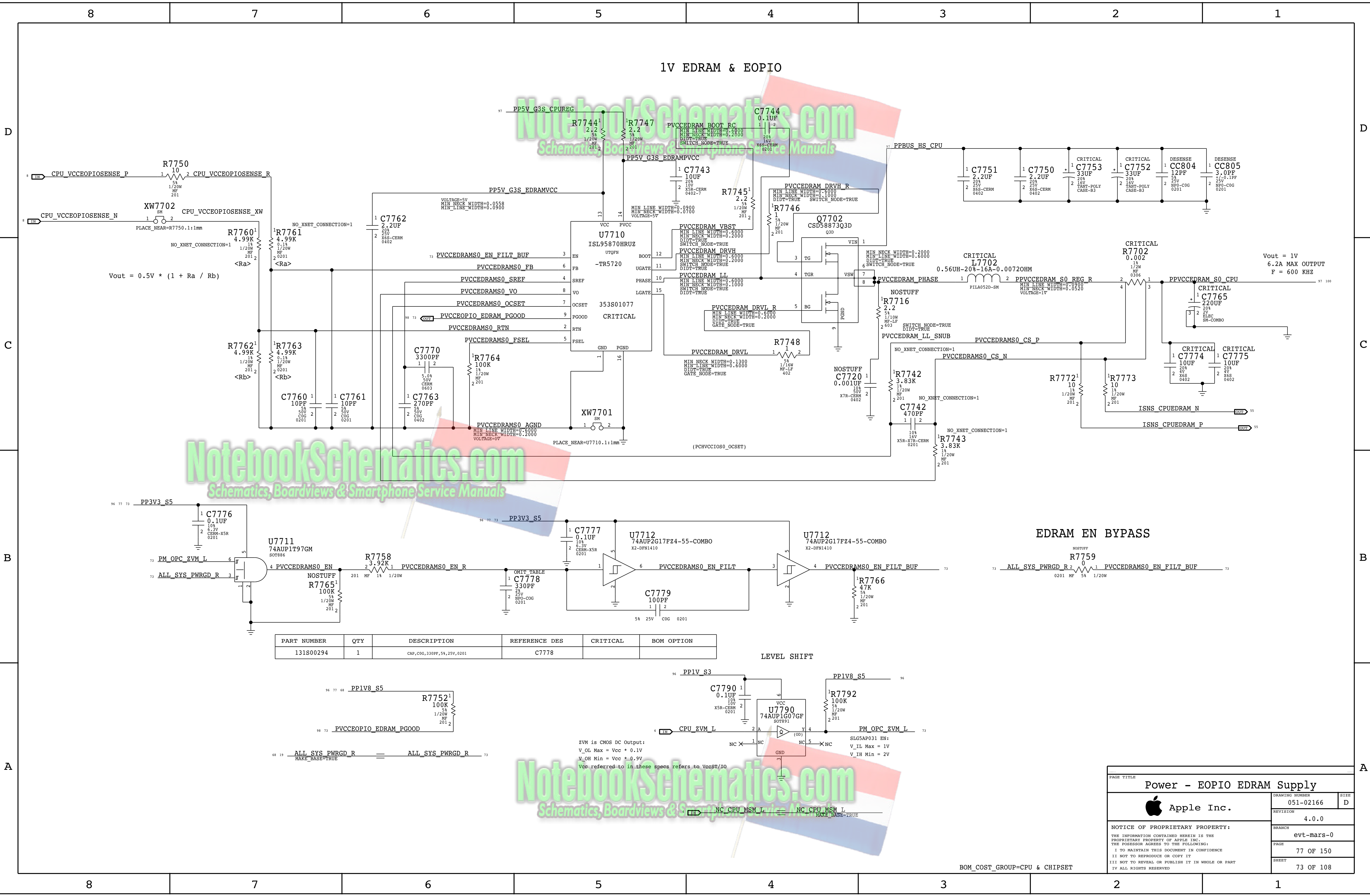


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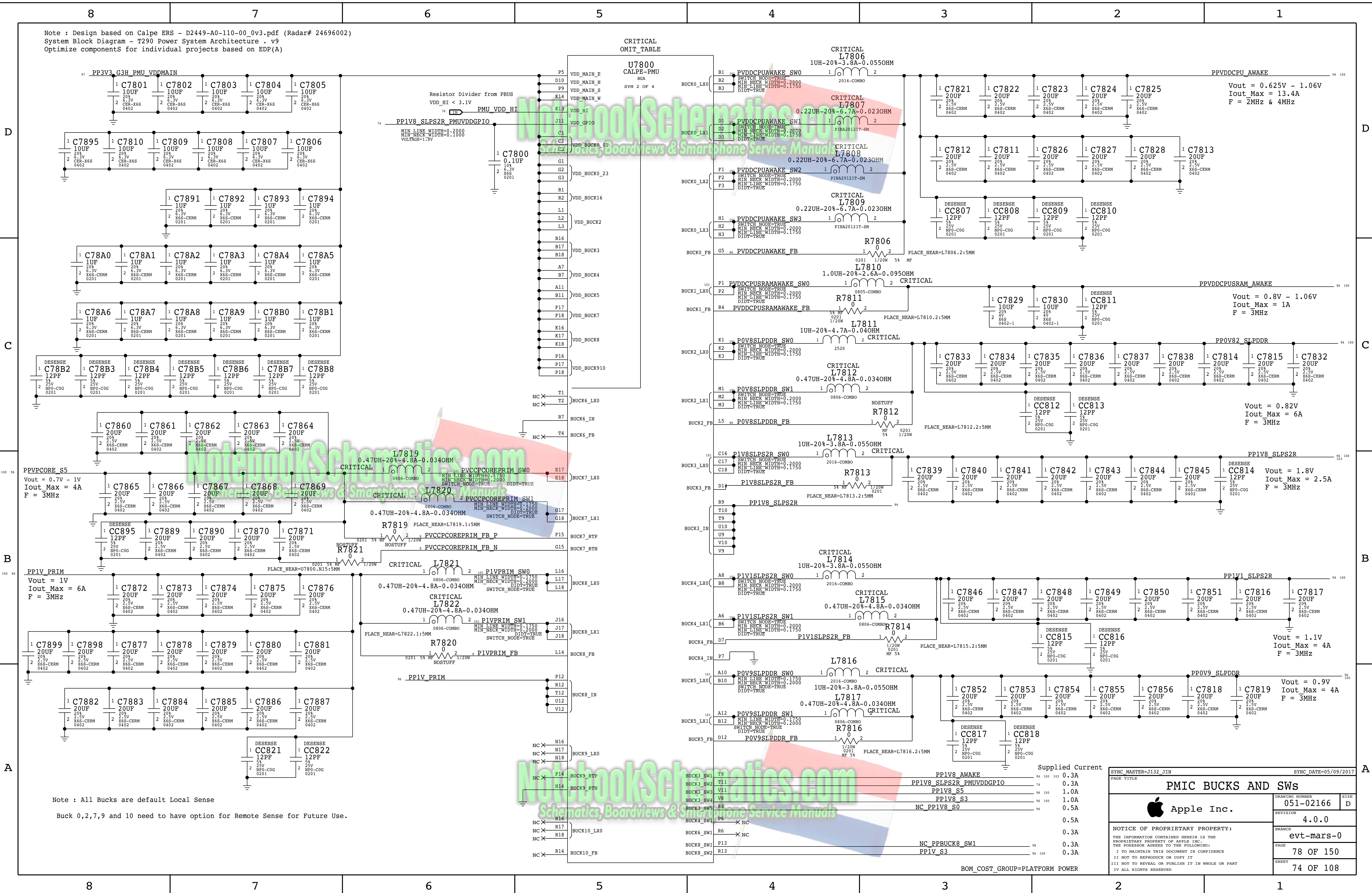














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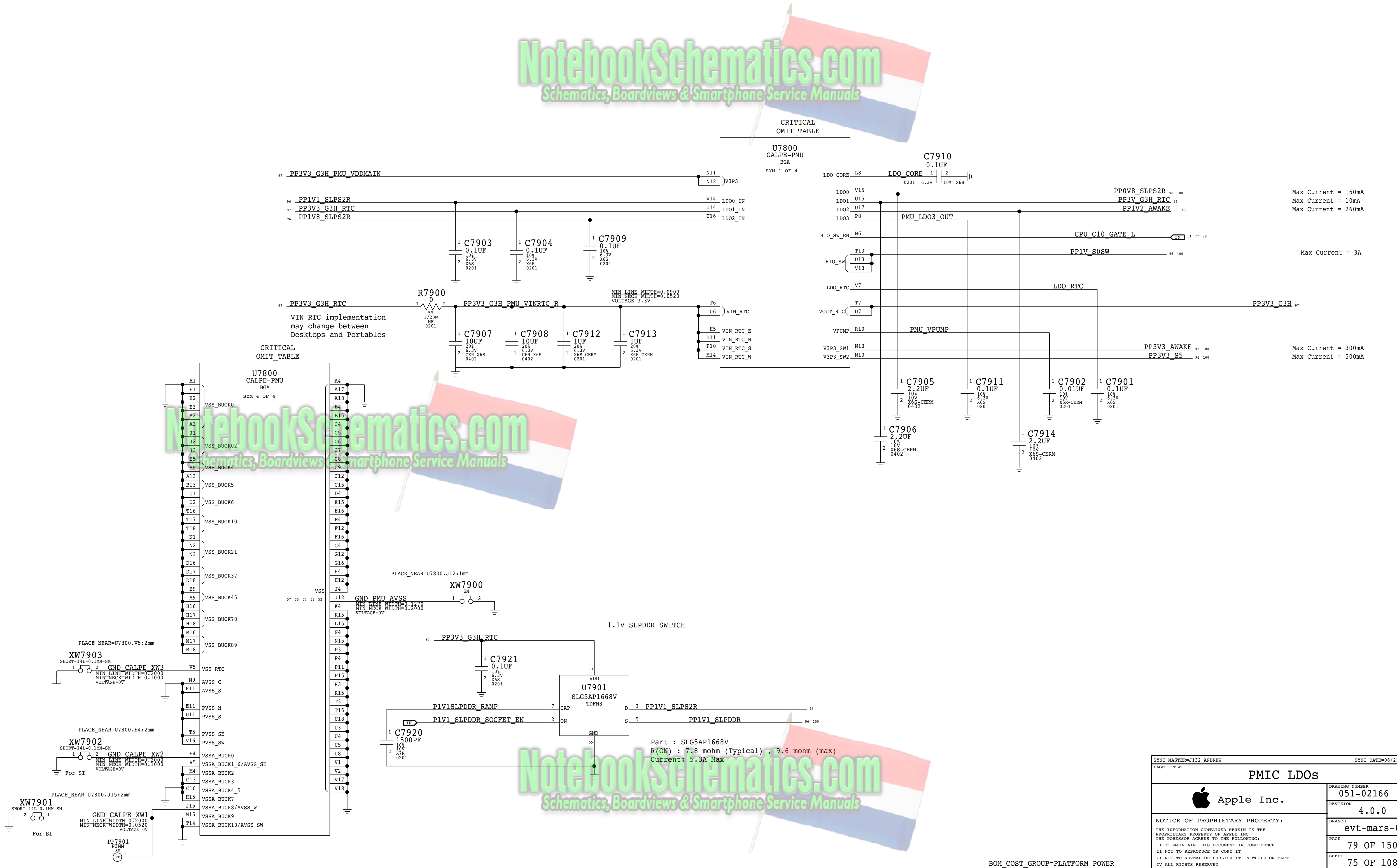
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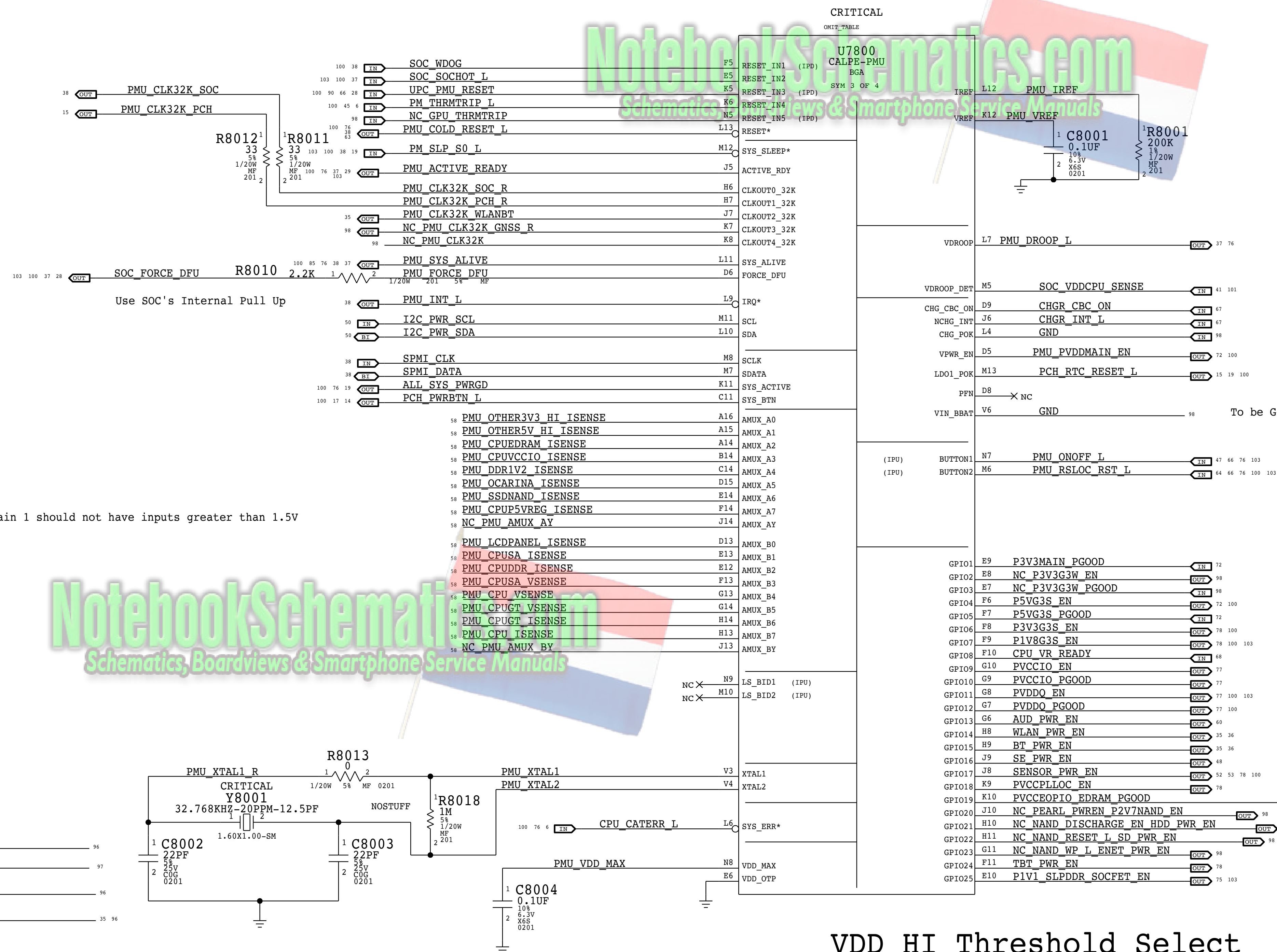
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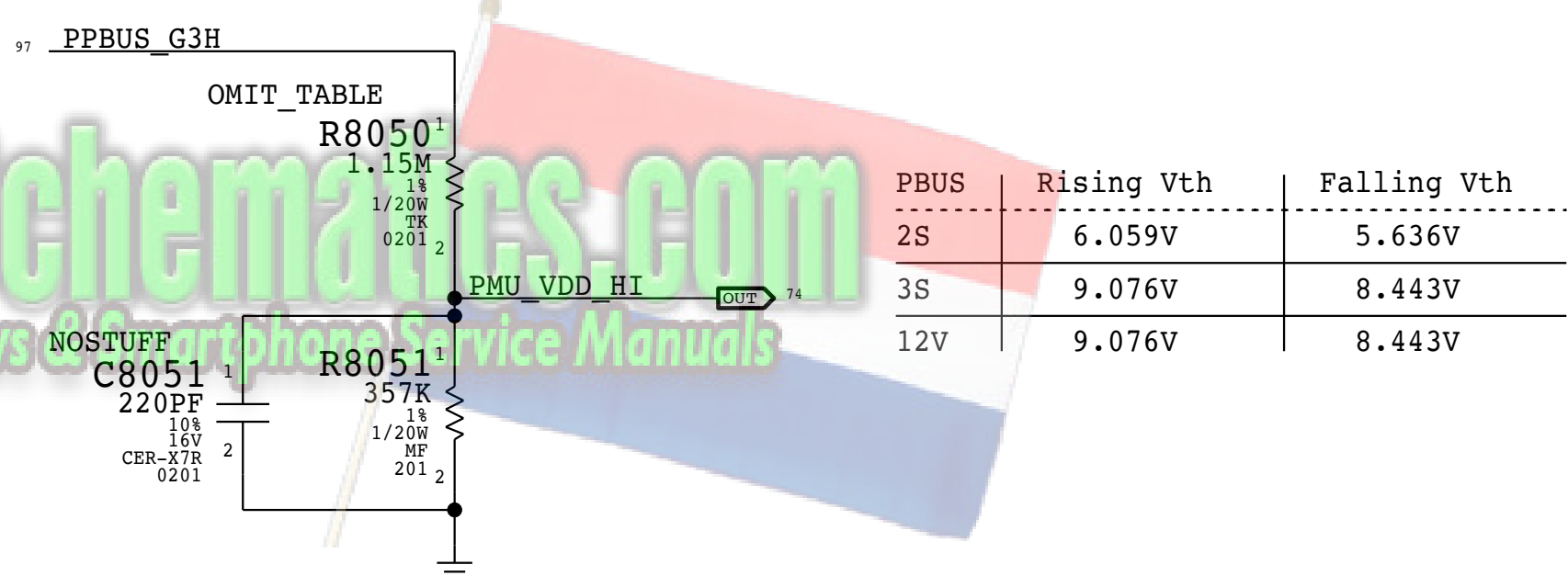



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PMIC LDOs					
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			4.0.0		
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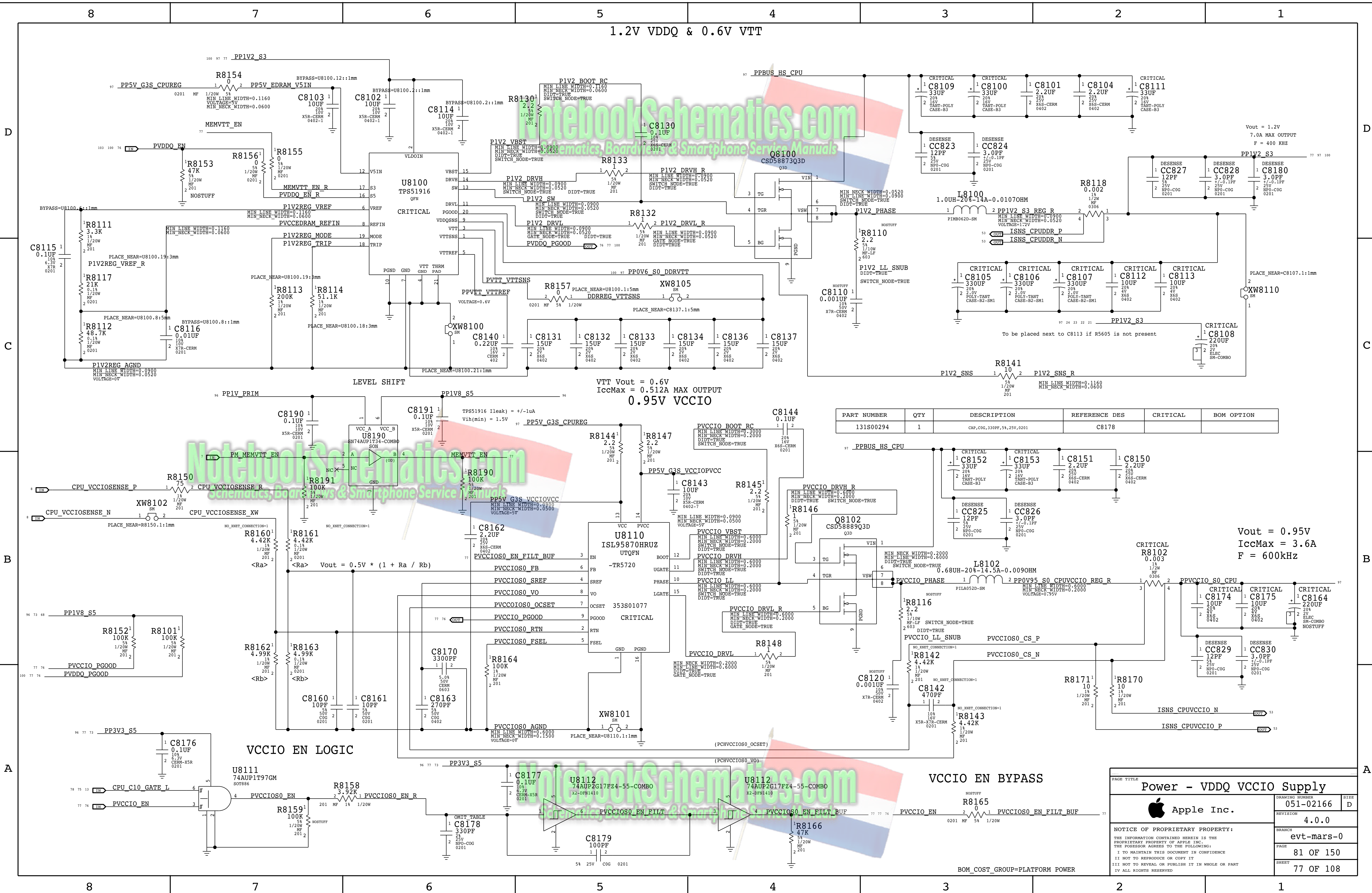


PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
118S0481	1	RES,MF,649K,1%,1/20W,0201	R8050		PBUS:2S
118S00077	1	RES,MF,1.15M,1%,1/16W,0201	R8050		PBUS:3S
118S00077	1	RES,MF,1.15M,1%,1/16W,0201	R8050		PBUS:12V



DUC_MASTER=1132_01N PAGE TITLE		STNC_DATE=09/05/2011	
<h1 style="text-align: center;">PMIC GPIOs &amp; Control</h1>			
 <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <h2>Apple Inc.</h2> </div>		DRAWING NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;">051-02166</div>	SIZE <div style="border: 1px solid black; padding: 2px; display: inline-block;">D</div>
		REVISION <div style="border: 1px solid black; padding: 2px; display: inline-block;">4.0.0</div>	
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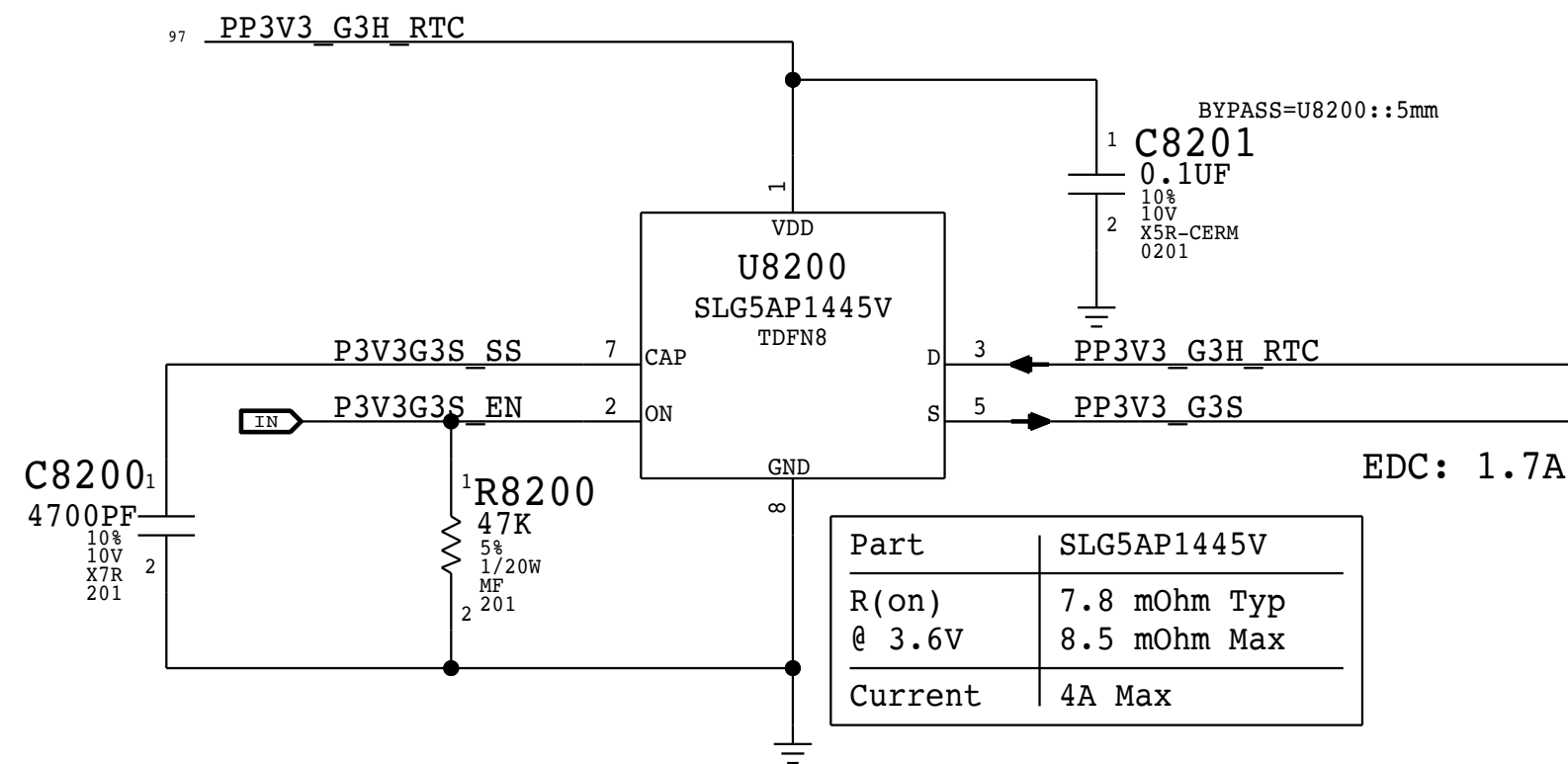




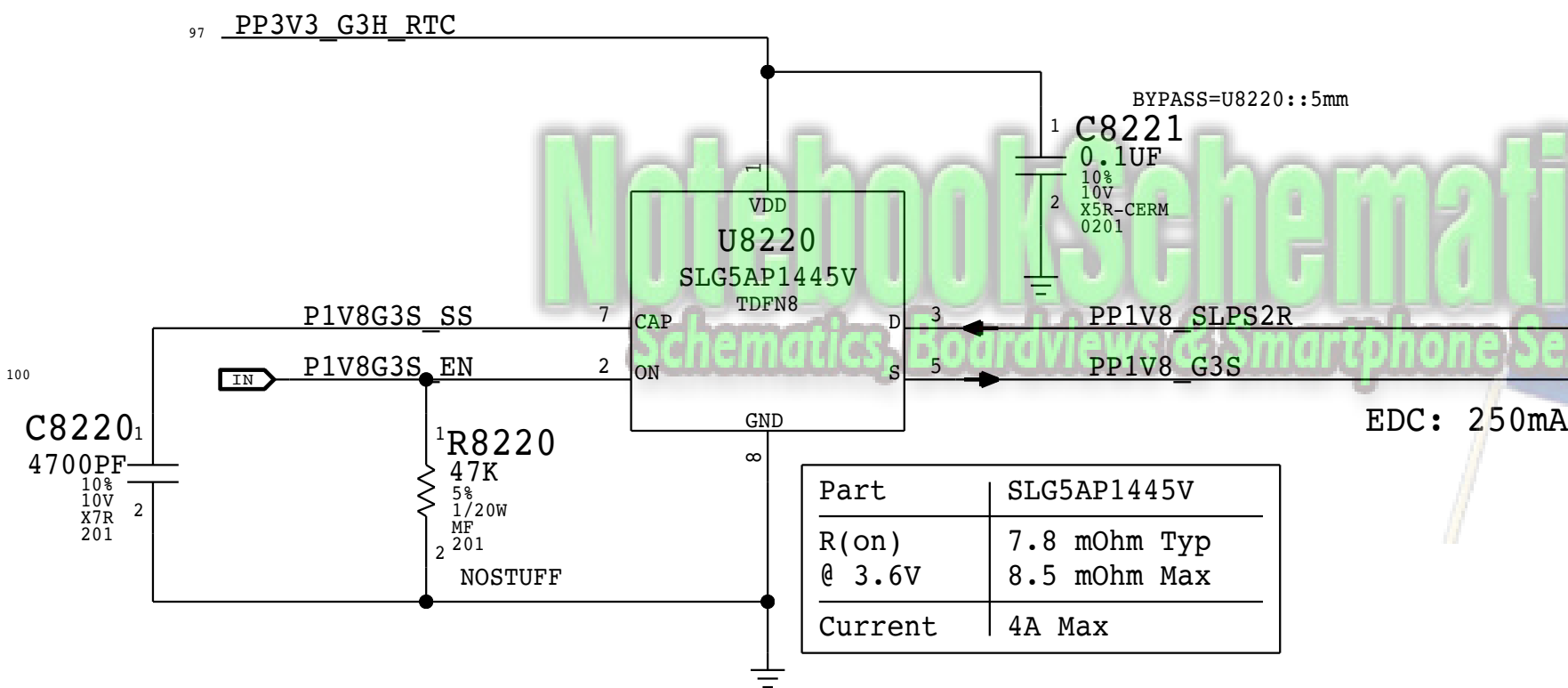


Note: Load switches may be larger than necessary

### 3.3V G3 Standby Switch



### 1.8V G3 Standby Switch

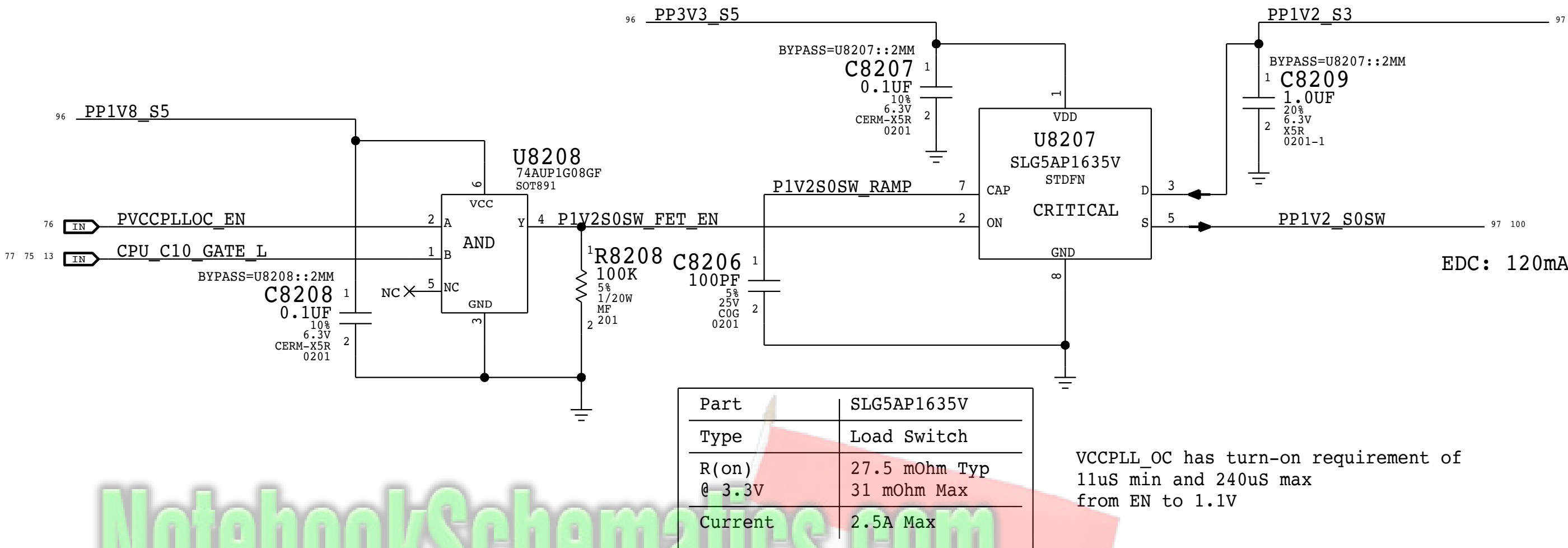


## System Power States

System State:	Shutdown (G3H)		Standby (G3S)		Standby (S4)		Sleep (S0i/S3)		Run (S0)
CPU/PCH State:	Off (RTC Only)		Off (RTC Only)		Standby		Sleep		Run
SoC State:	S2R	Awake	S2R	Awake	S2R	Awake	S2R	Awake	Awake
PP* S2R (0.8,1.1,1.8V)	On	On	On	On	On	On	On	On	On
PP* DDR (0.8,0.9,1.1V)	Off	On	Off	On	Off	On	Off	On	On
PP* AWAKE (CPU,SRAM,1.2,1.8,3.3V)	Off	On	Off	On	Off	On	Off	On	On
PP3V3_G3H (VR1)	On	On	On	On	On	On	On	On	On
PP* G3S (1.8,3.3,5V)	Off	On	On	On	On	On	On	On	On
PP* S5 (1.8,3.3V)	Off	Off	Off	Off	On	On	On	On	On
CPU/PCH VRs	Off	Off	Off	Off	Off/On	Off/On	Off/On	Off/On	On

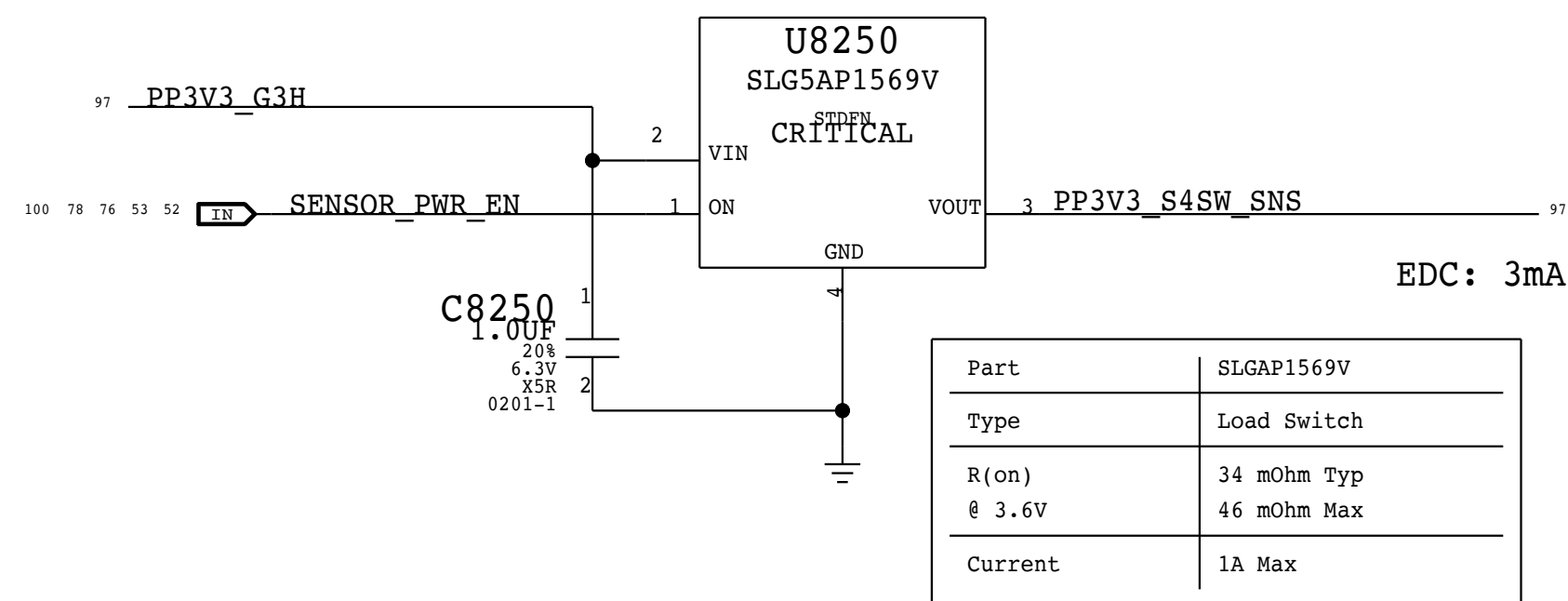
\* System: Shutdown Awake is a transition state only.  
\* SoC: SLP\_DDR is a transition state only.  
\* CPU/PCH: S4 is only used by desktops for USB wakes.  
\* CPU/PCH: S5 is a transition state. May also be used for RTC wakes.

### 1.2V S0SW VCCPLL\_OC Switch

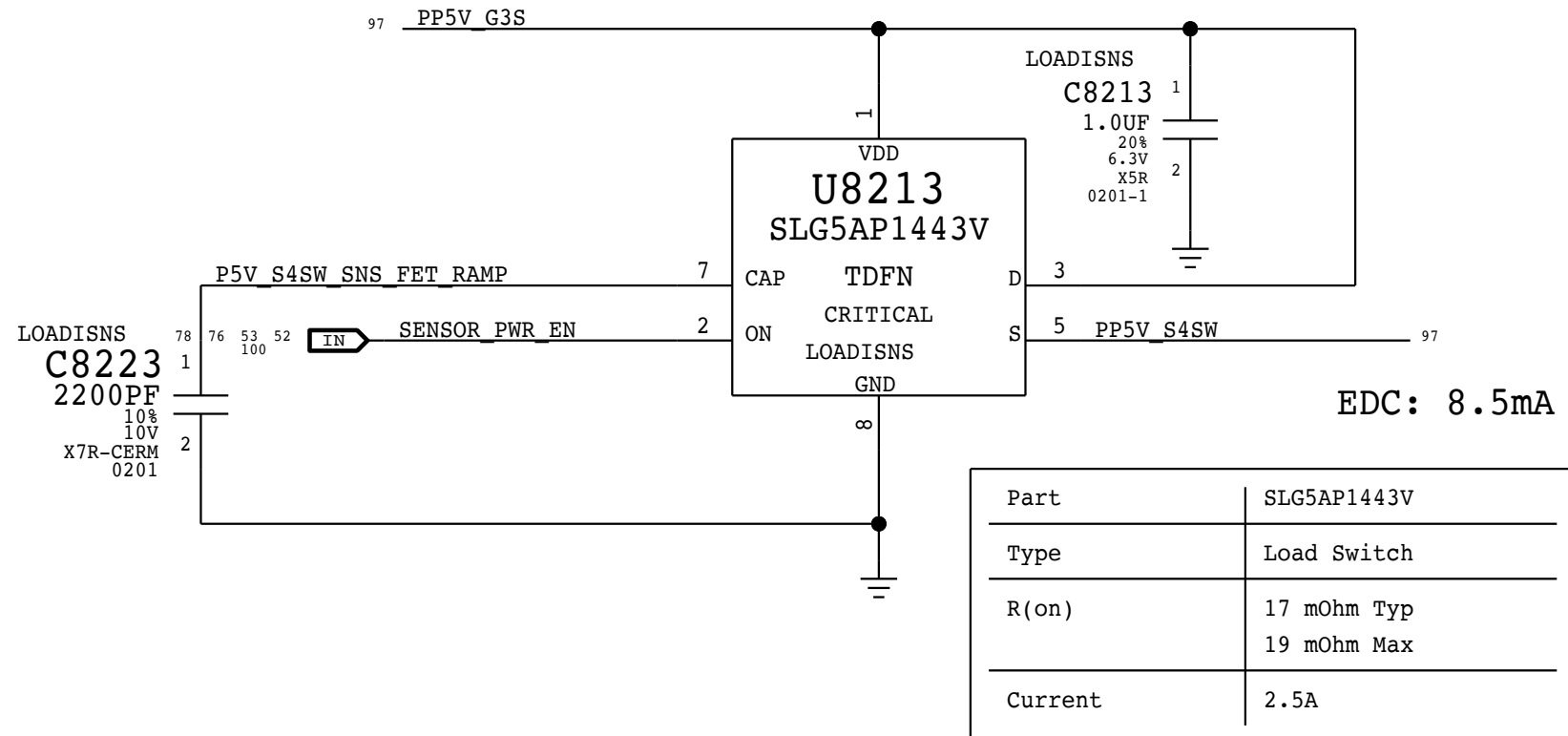


VCCPLL\_OC has turn-on requirement of 11uS min and 240uS max from EN to 1.1V

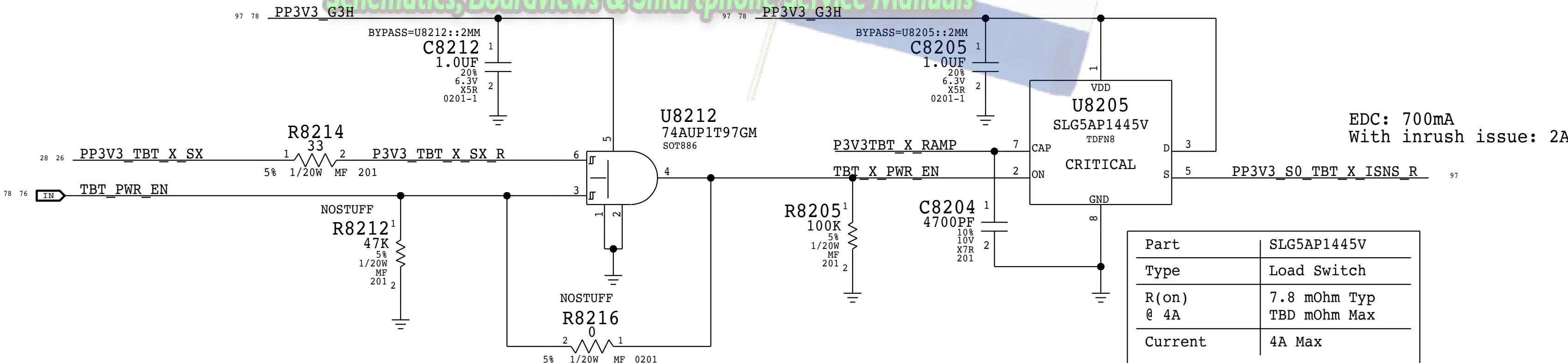
### 3.3V Sensor Switch



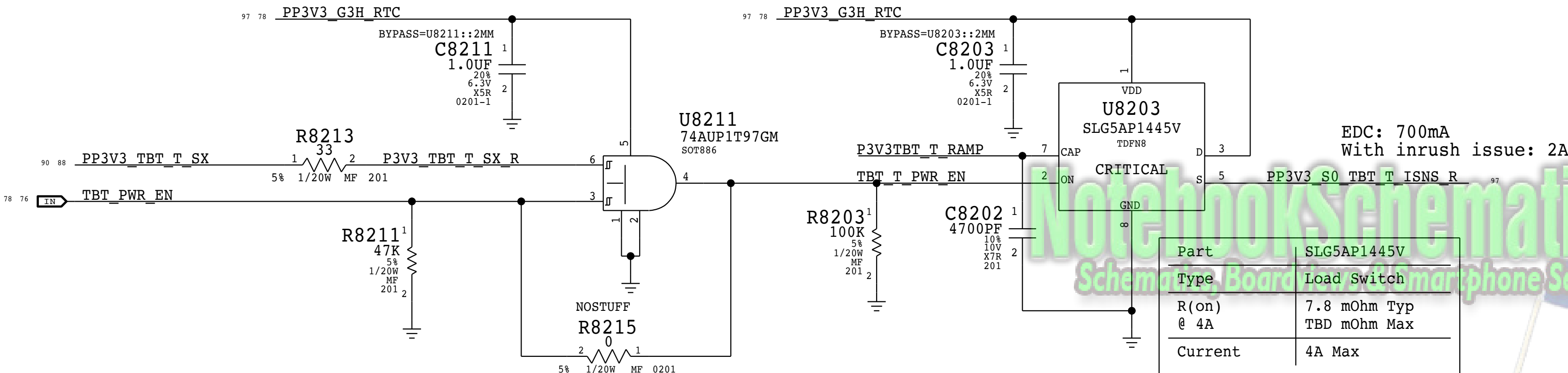
### 5V Sensor Switch



### 3.3V S0SW TBT X Switch



### 3.3V S0SW TBT T Switch



Power FETs		
	DRAWING NUMBER	051-02166
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BOM\_COST\_GROUP=PLATFORM POWER



## Page Notes

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Power aliases required by this page:
```

- PPVIN\_S0SW\_LCDBKLTFT (9-12.6V LCD BACKLIGHT INPUT)
- PP5V\_S0\_BKLT (5V BACKLIGHT DRIVER INPUT)

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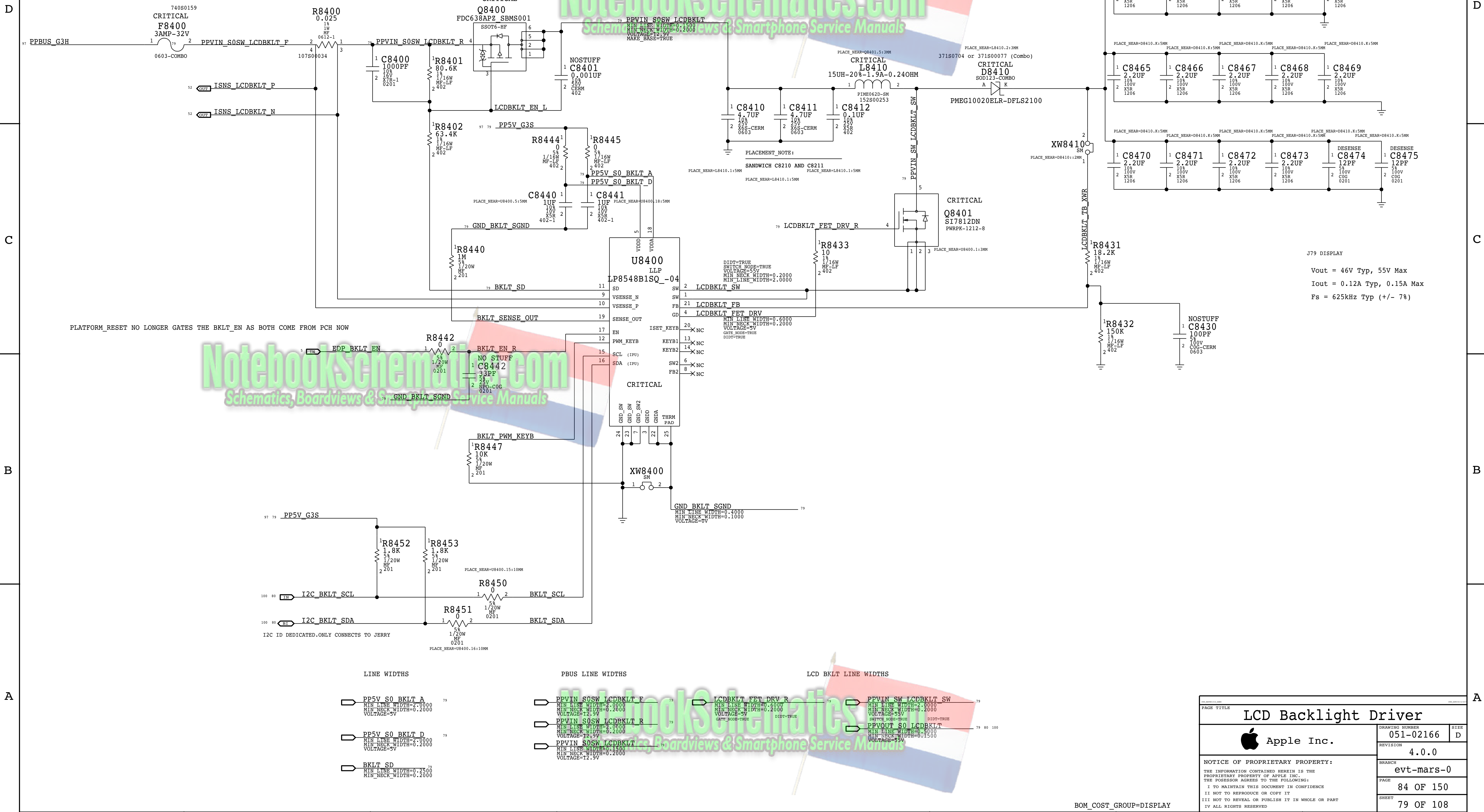
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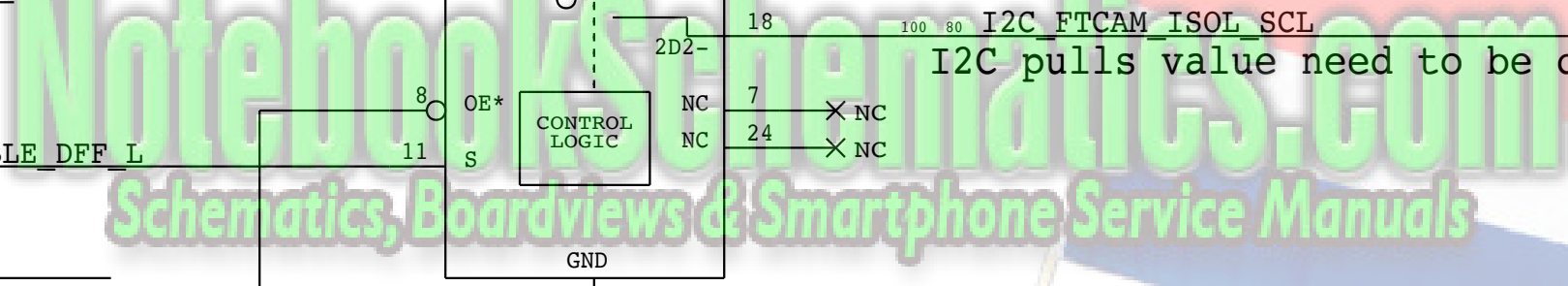
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LCD Backlight Driver		051-02166		D	
 Apple Inc.		REVISION		4.0.0	
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S	OUTPUT
L	Camera Disable
H	Camera Enable

Alternate: OnSemi FSA642 (353S01346)

PAGE TITLE			
eDP Display Connector			
 Apple Inc.	DRAWING NUMBER		SIZE
	051-02166		D
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	BRANCH		
evt-mars-0			PAGE
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# S4E0

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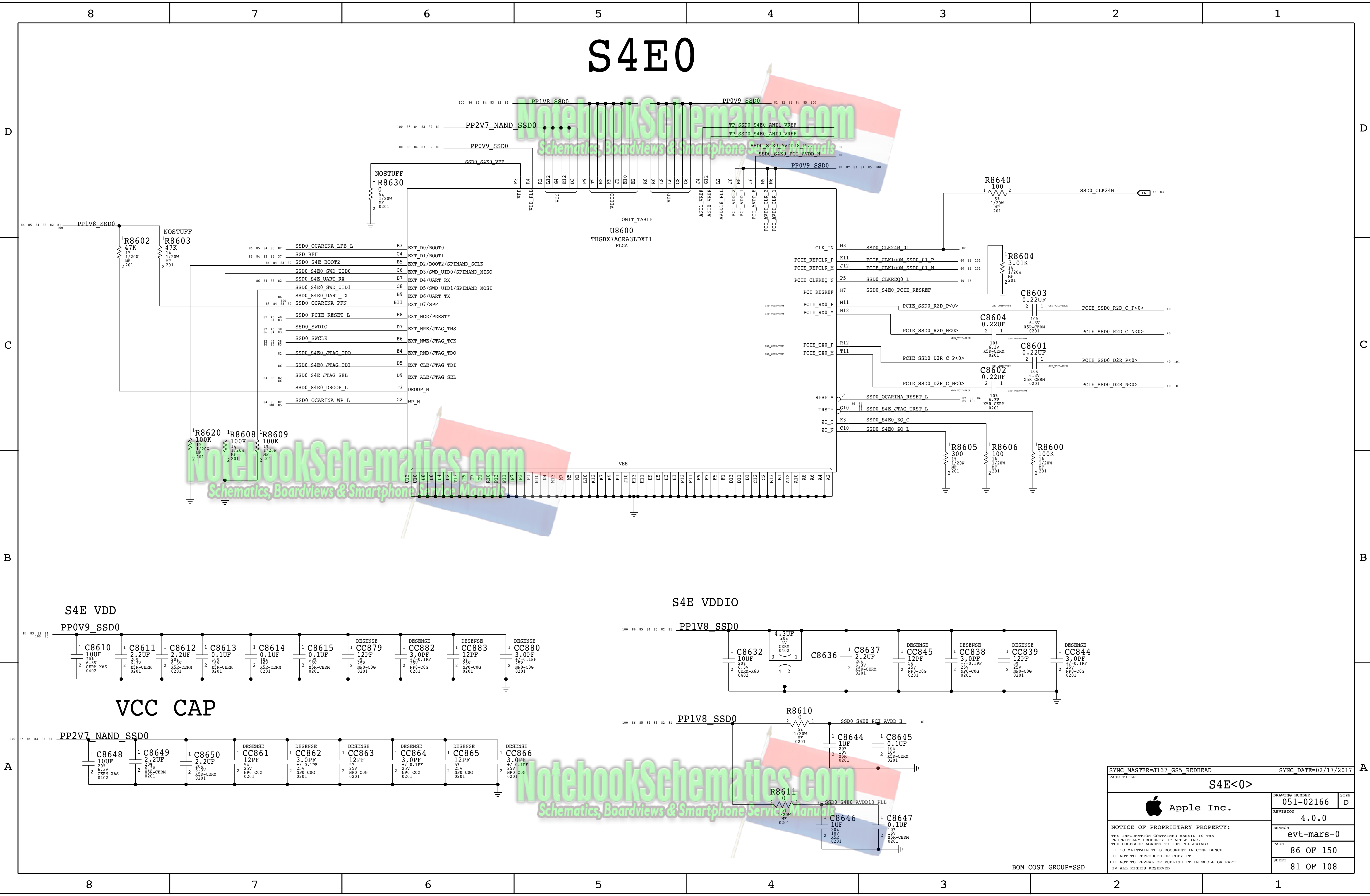
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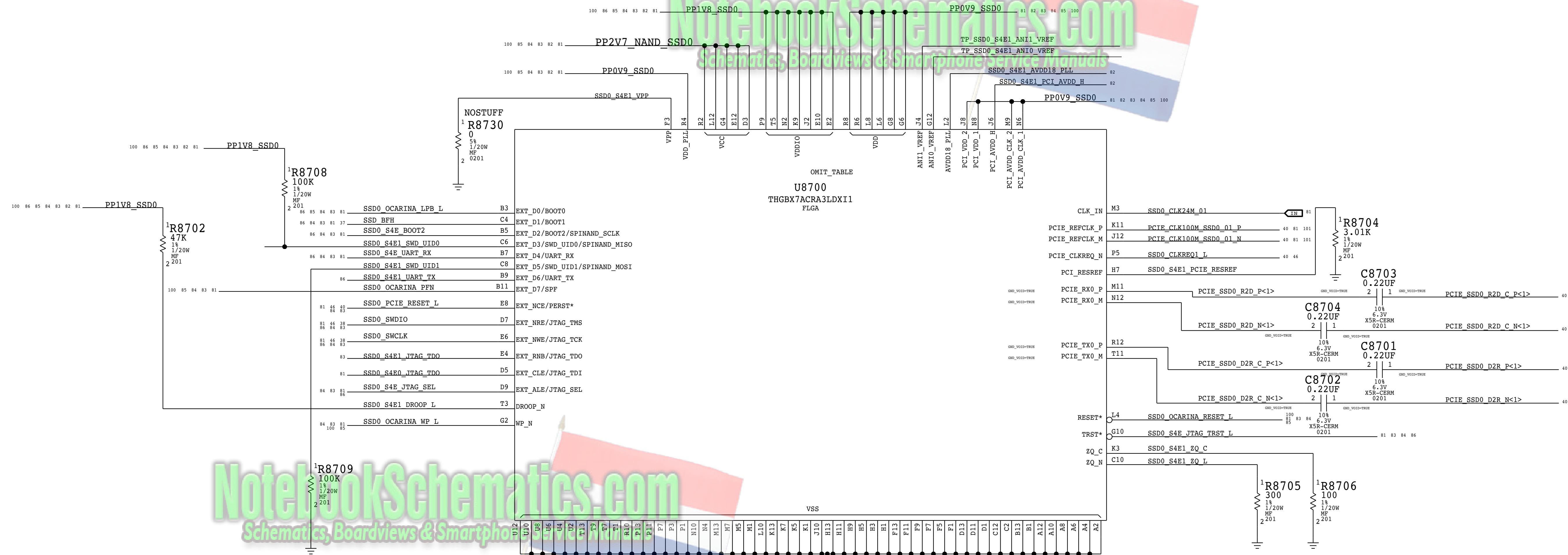


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			86 OF 150		
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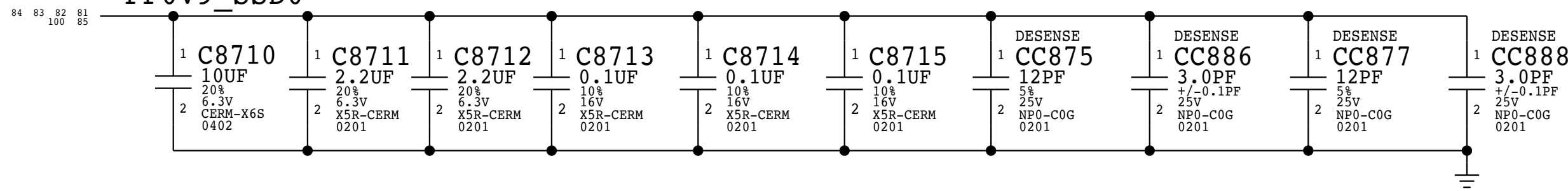


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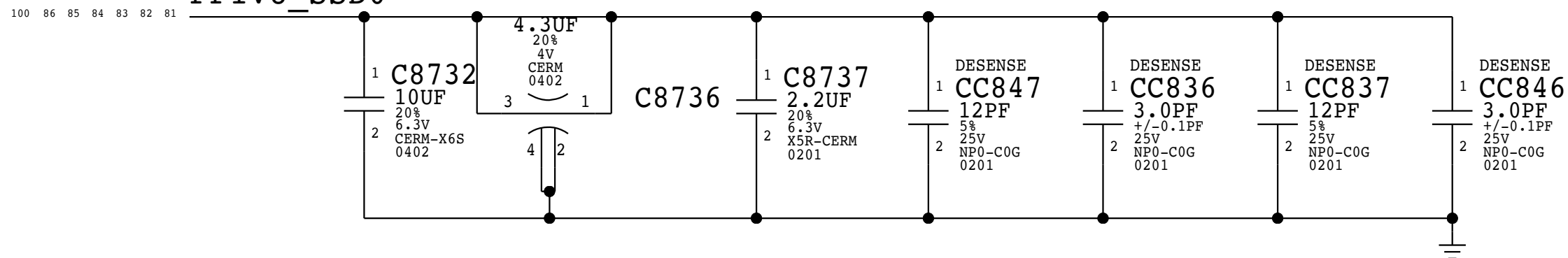
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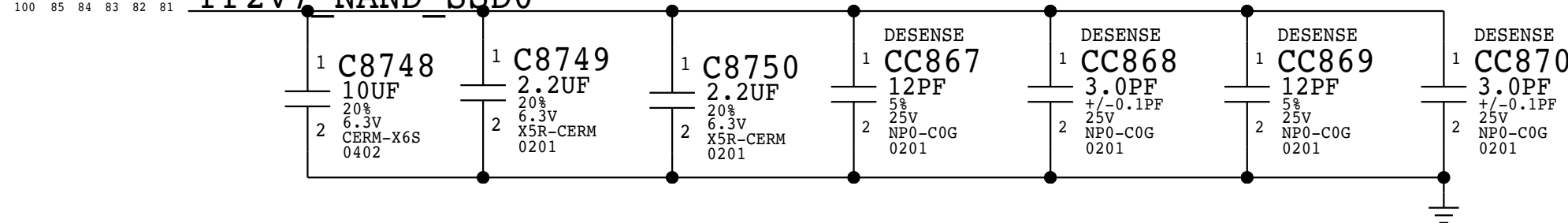
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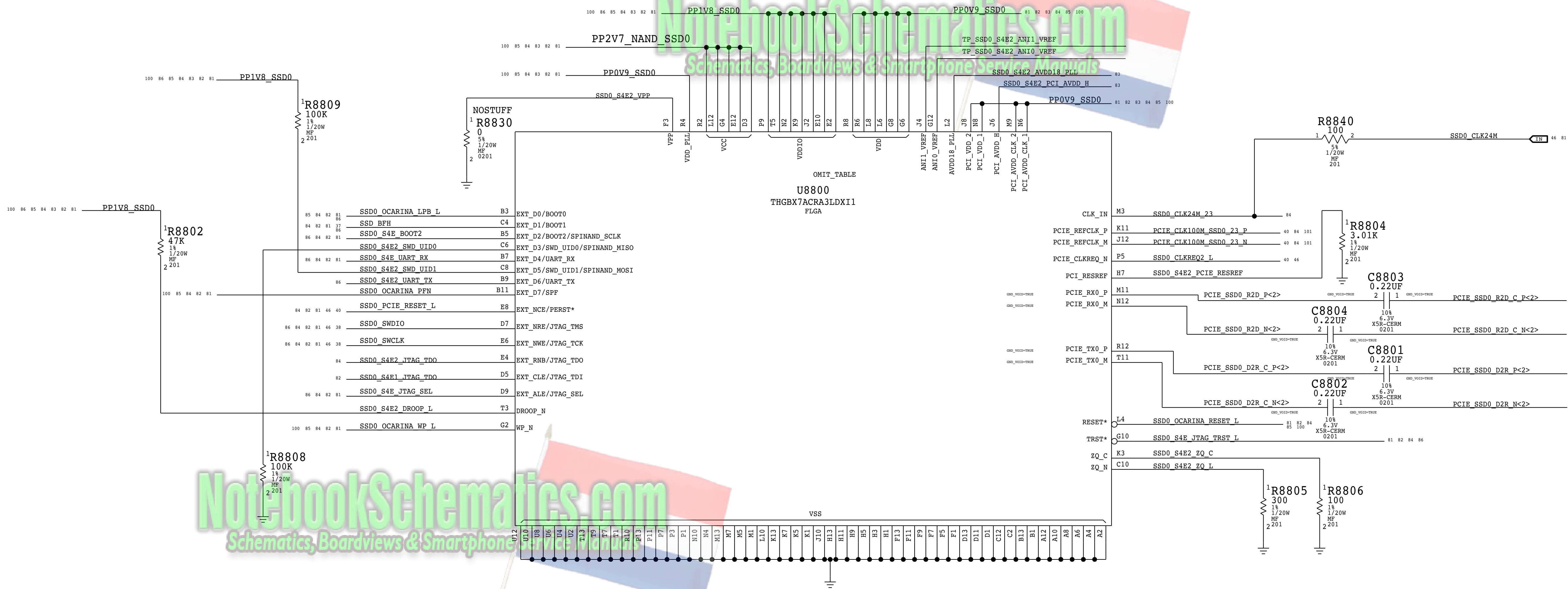


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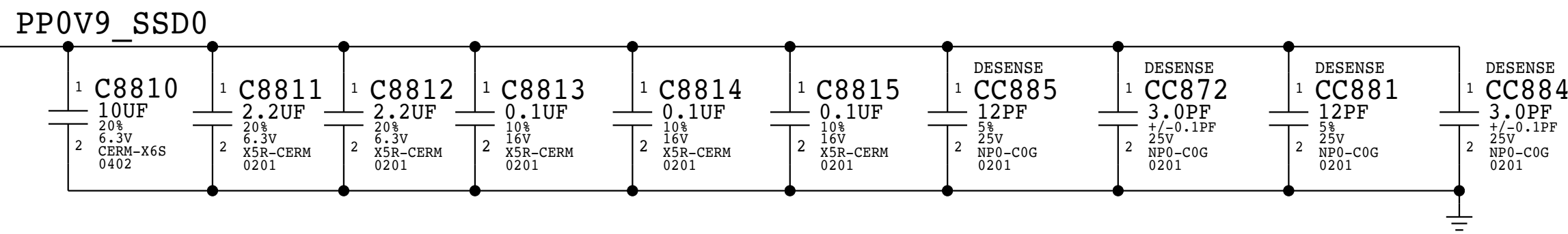
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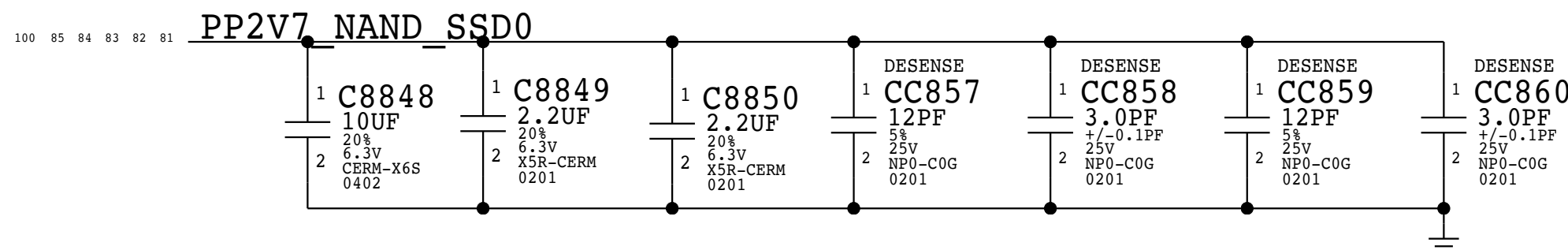
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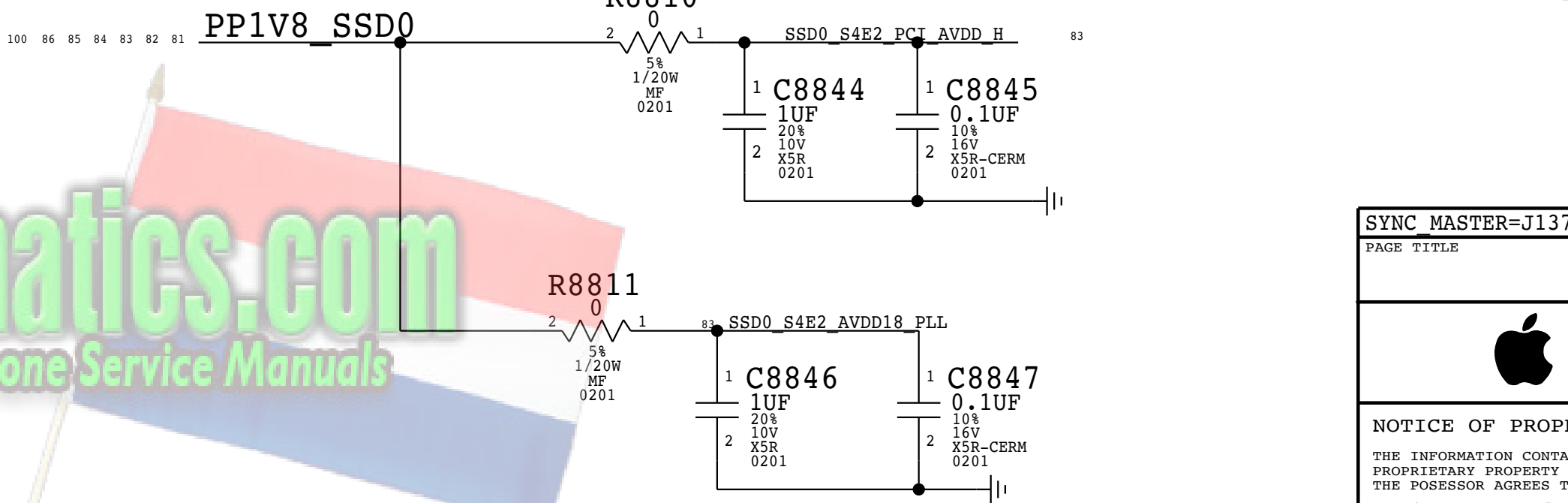
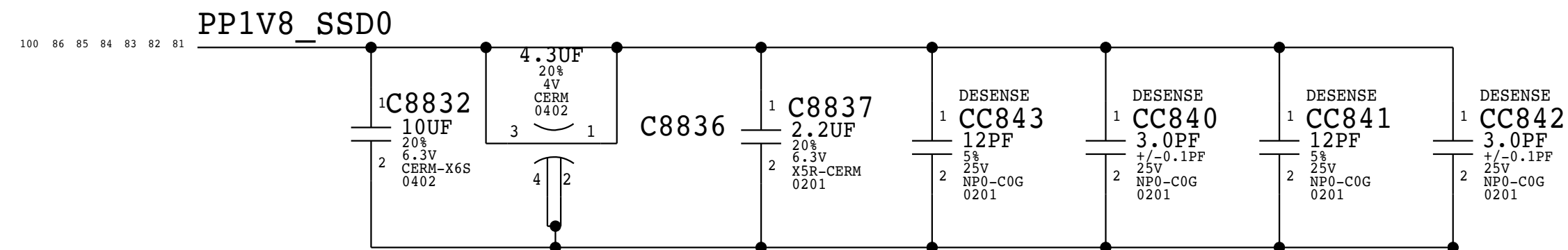
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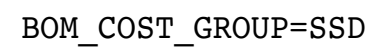
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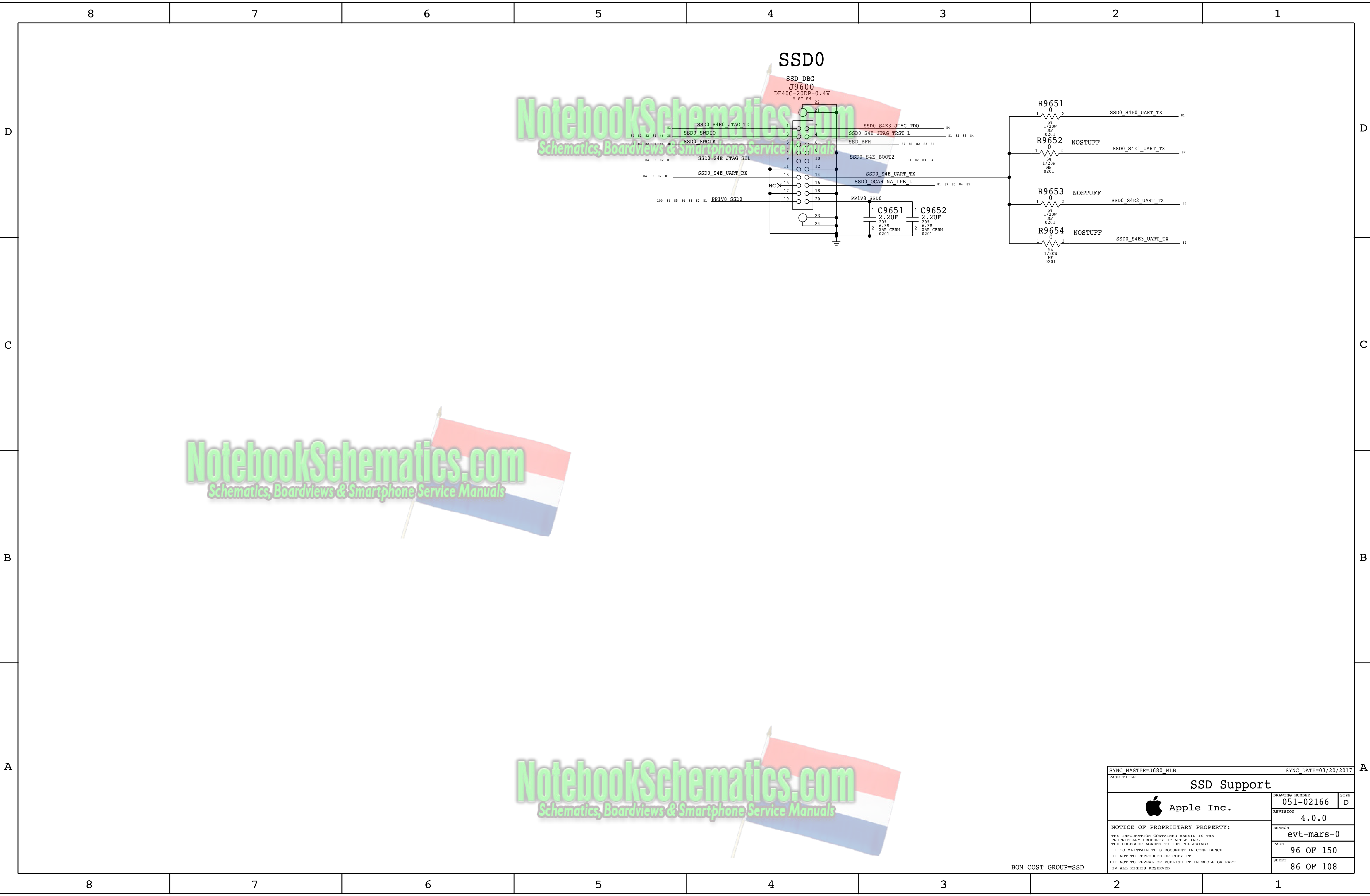



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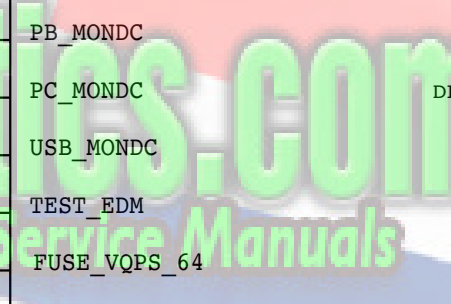
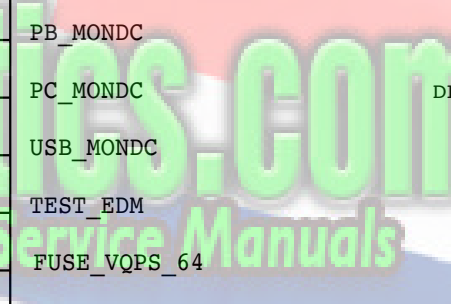
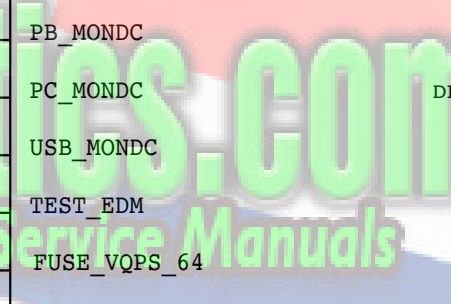
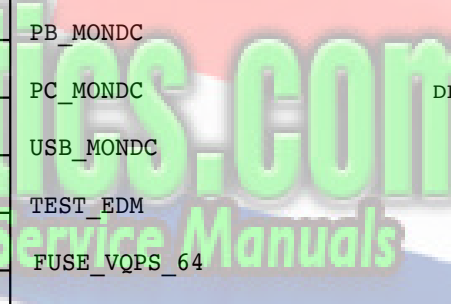
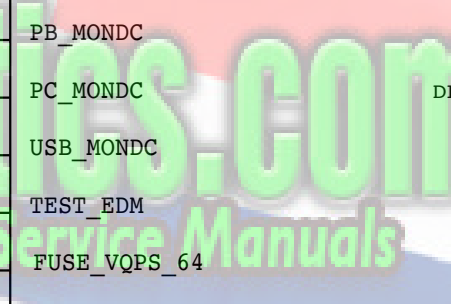
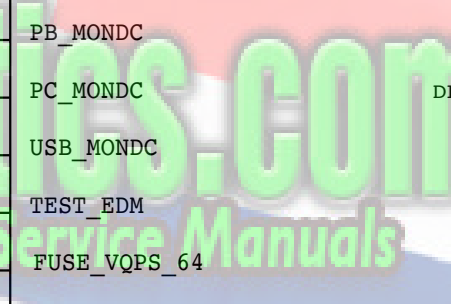
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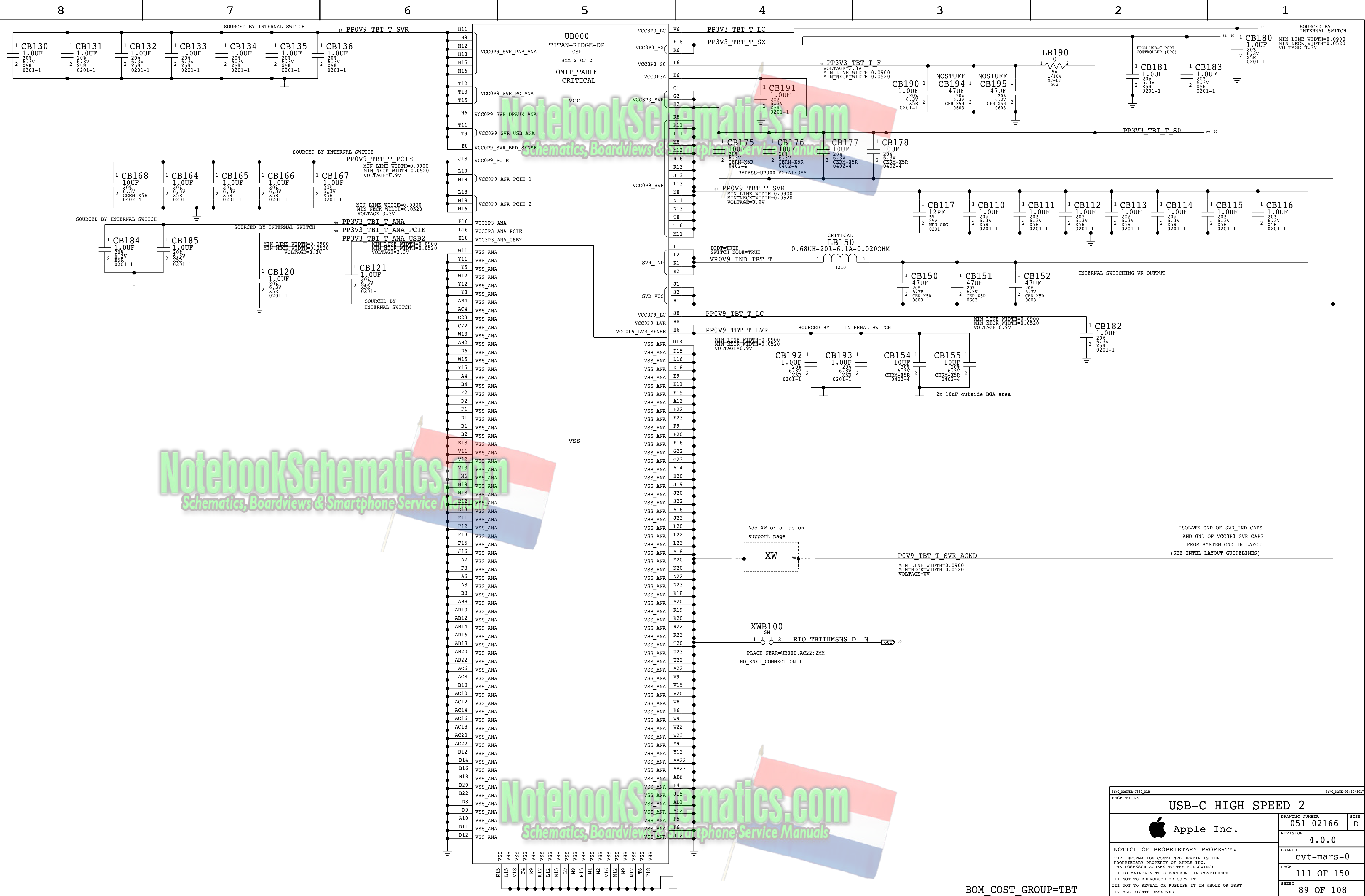












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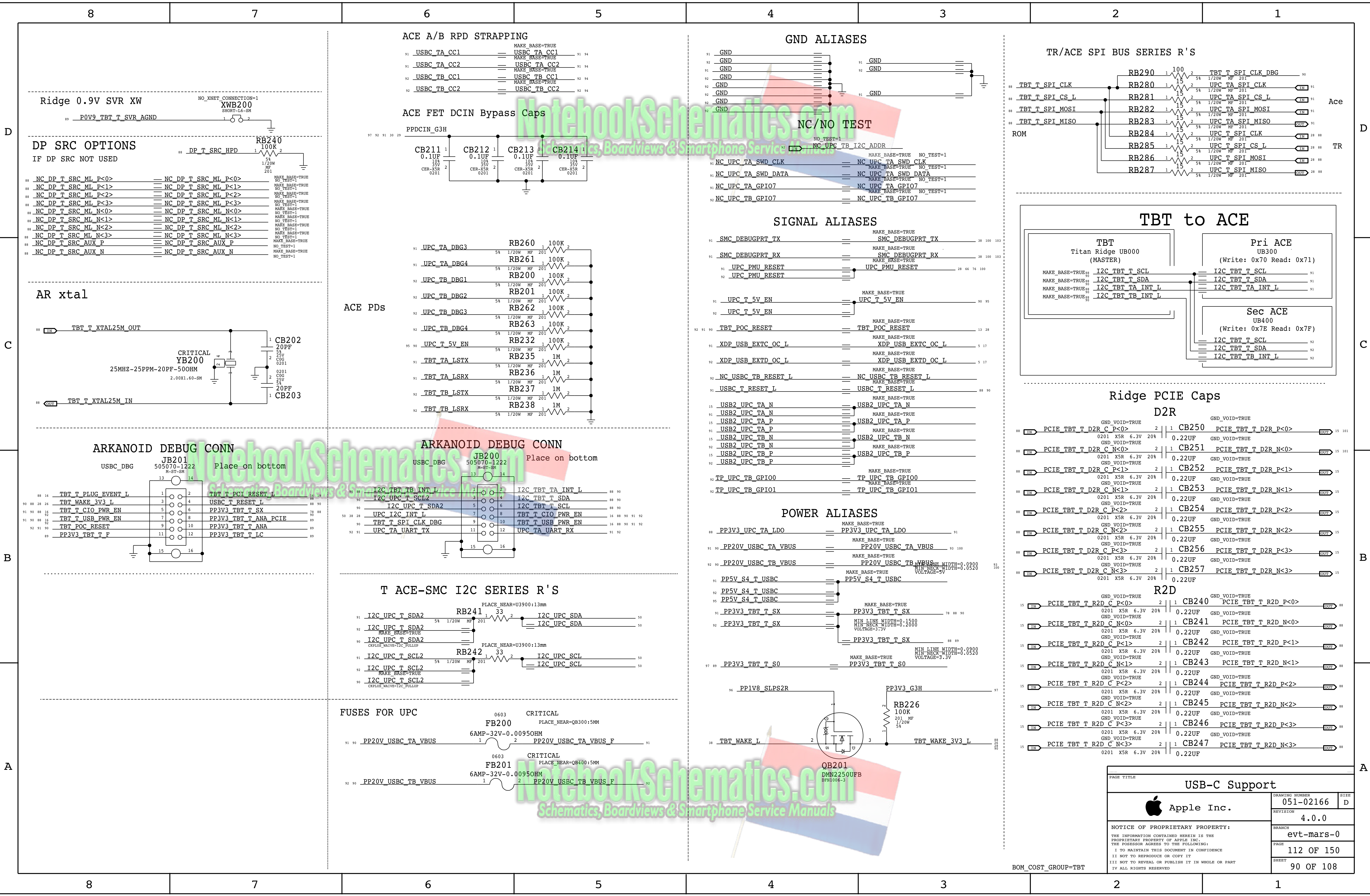
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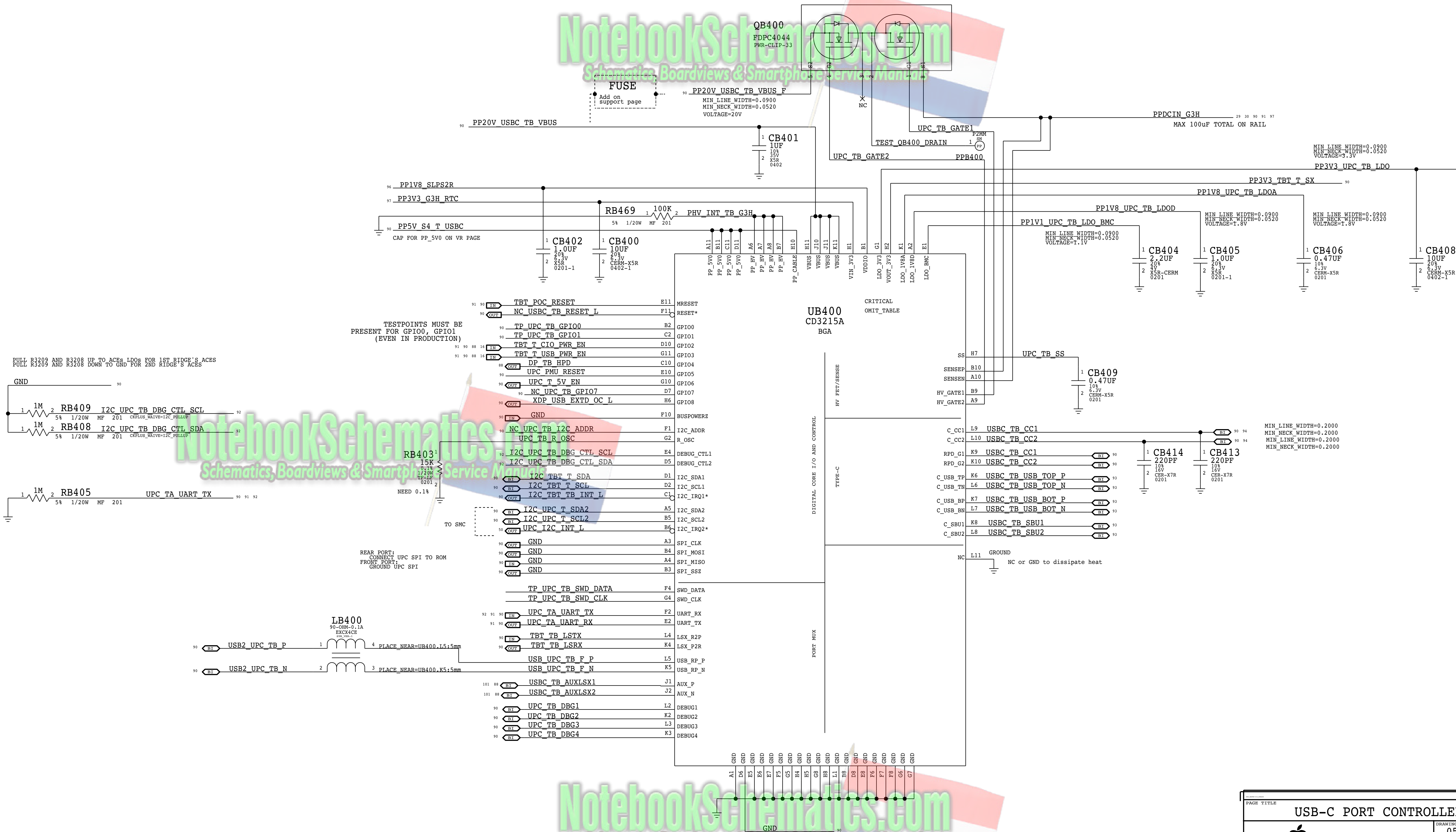


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# SECONDARY ACE USB-C PORT CONTROLLER (UPC)



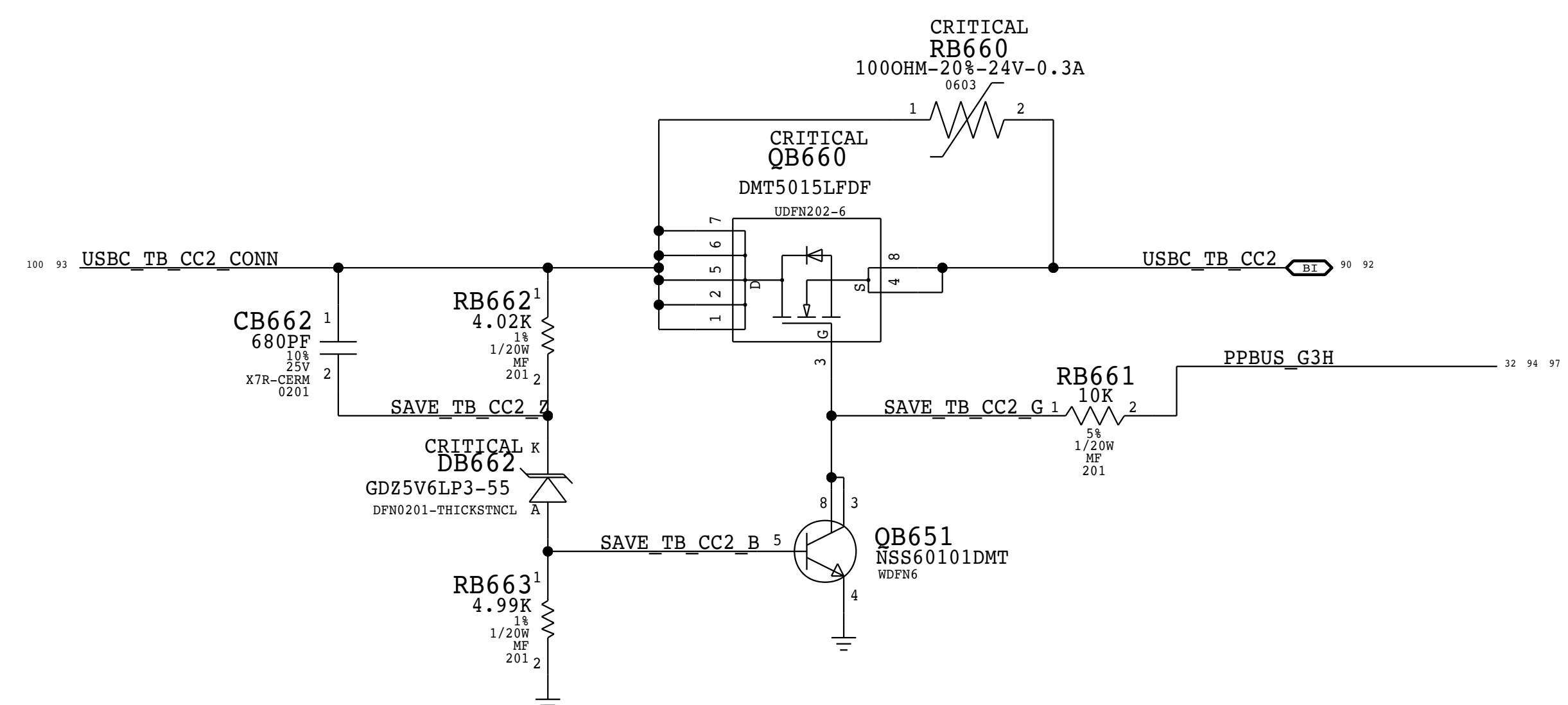
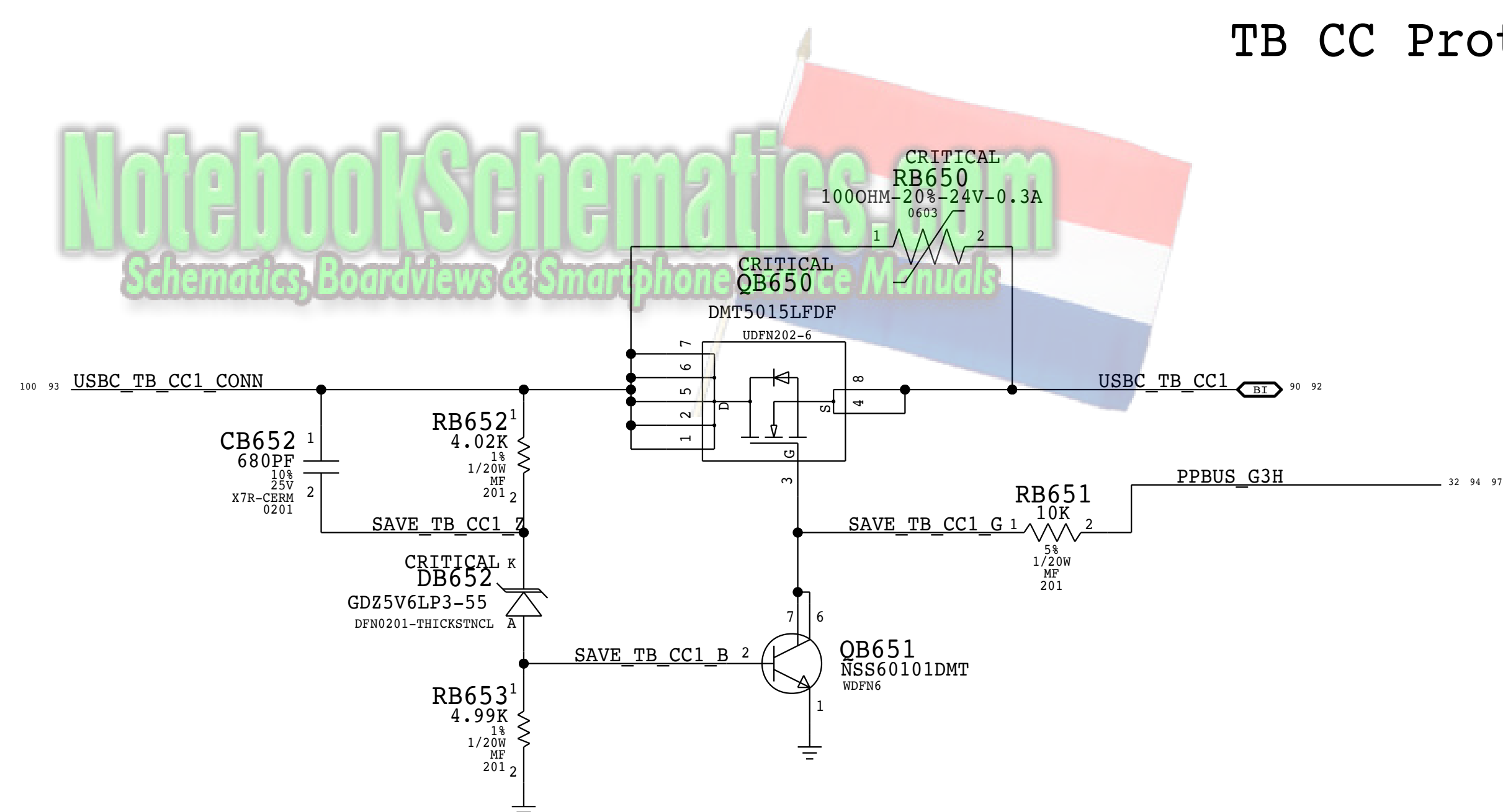
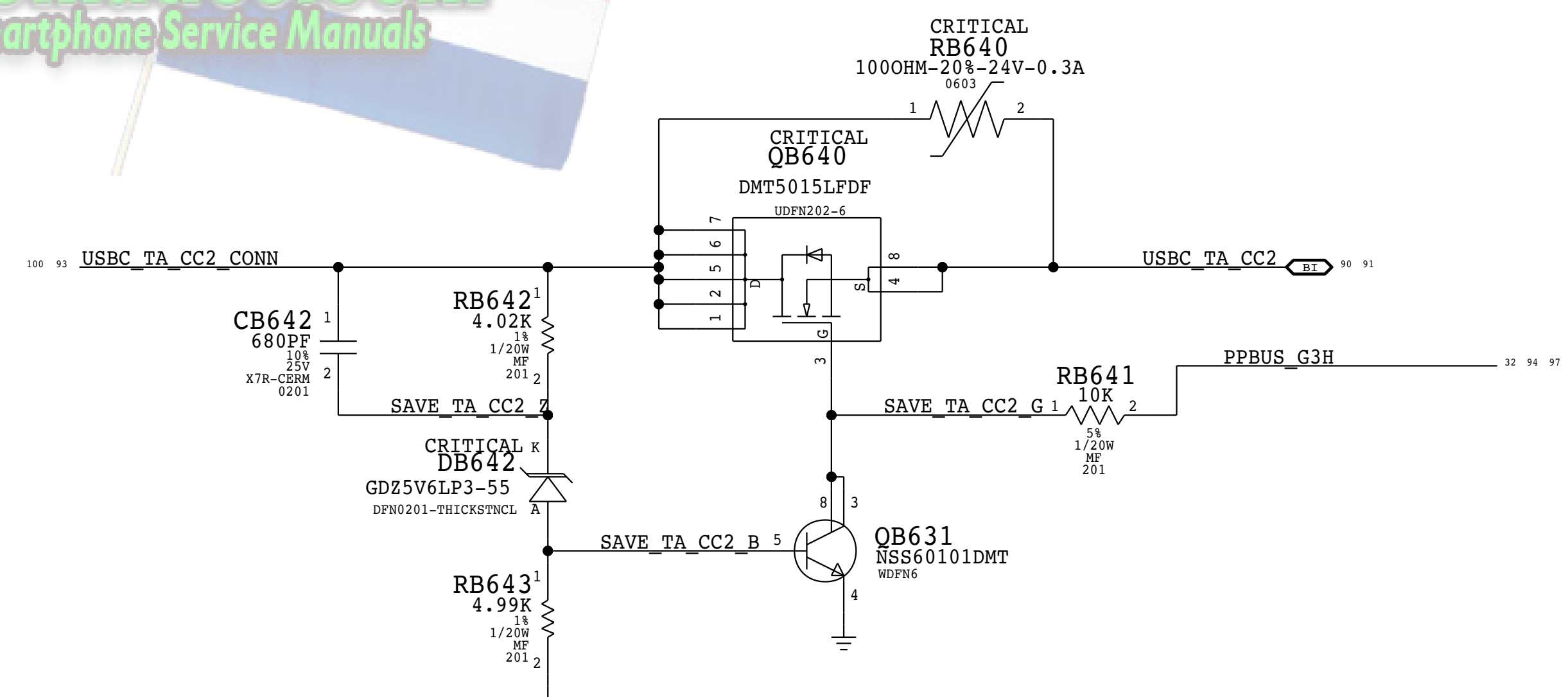
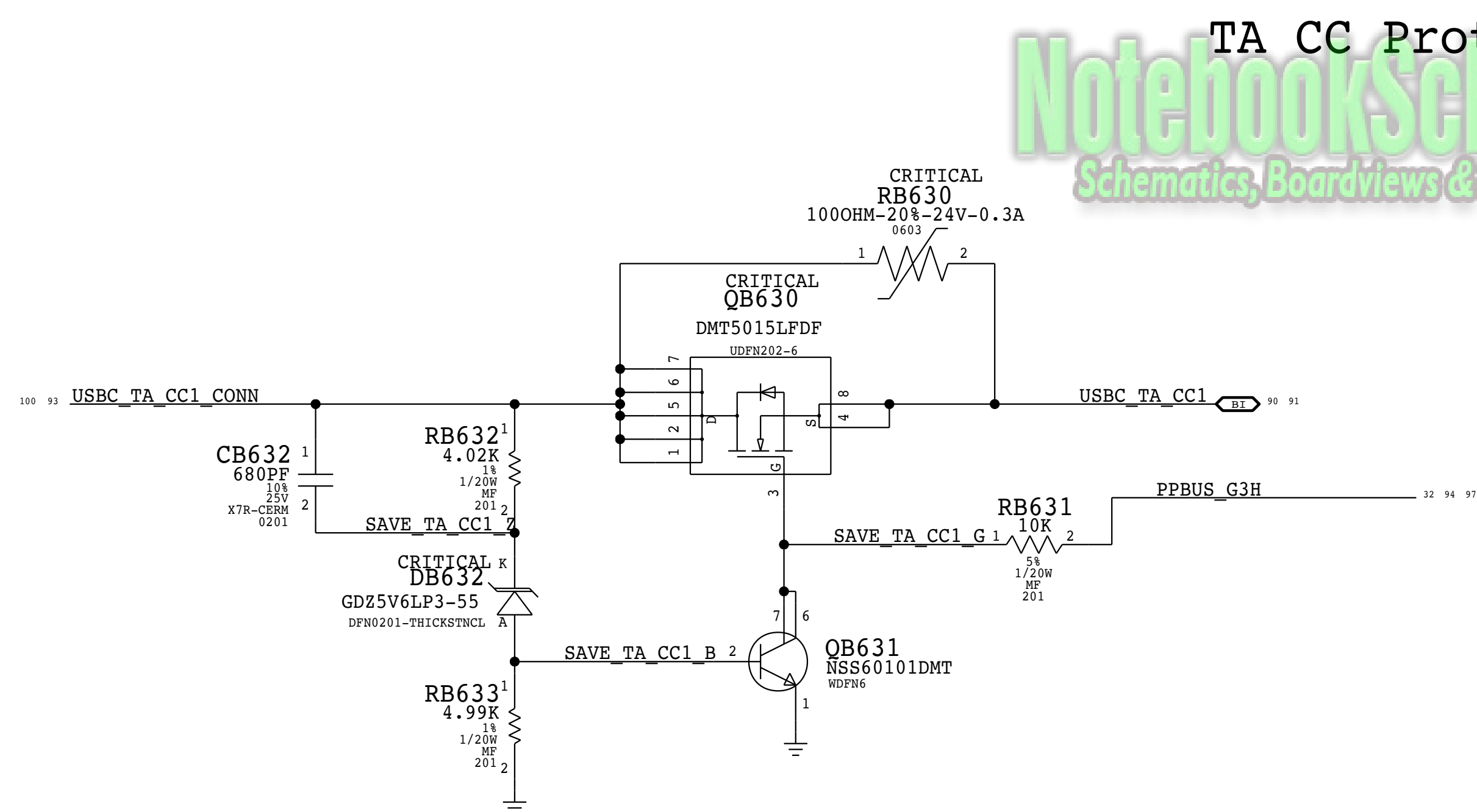
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DESIGN: X1032/MLB P4BP			
LAST CHANGE: Fri Jan 6 16:01:21 2017			
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BOM\_COST\_GROUP=USB-C

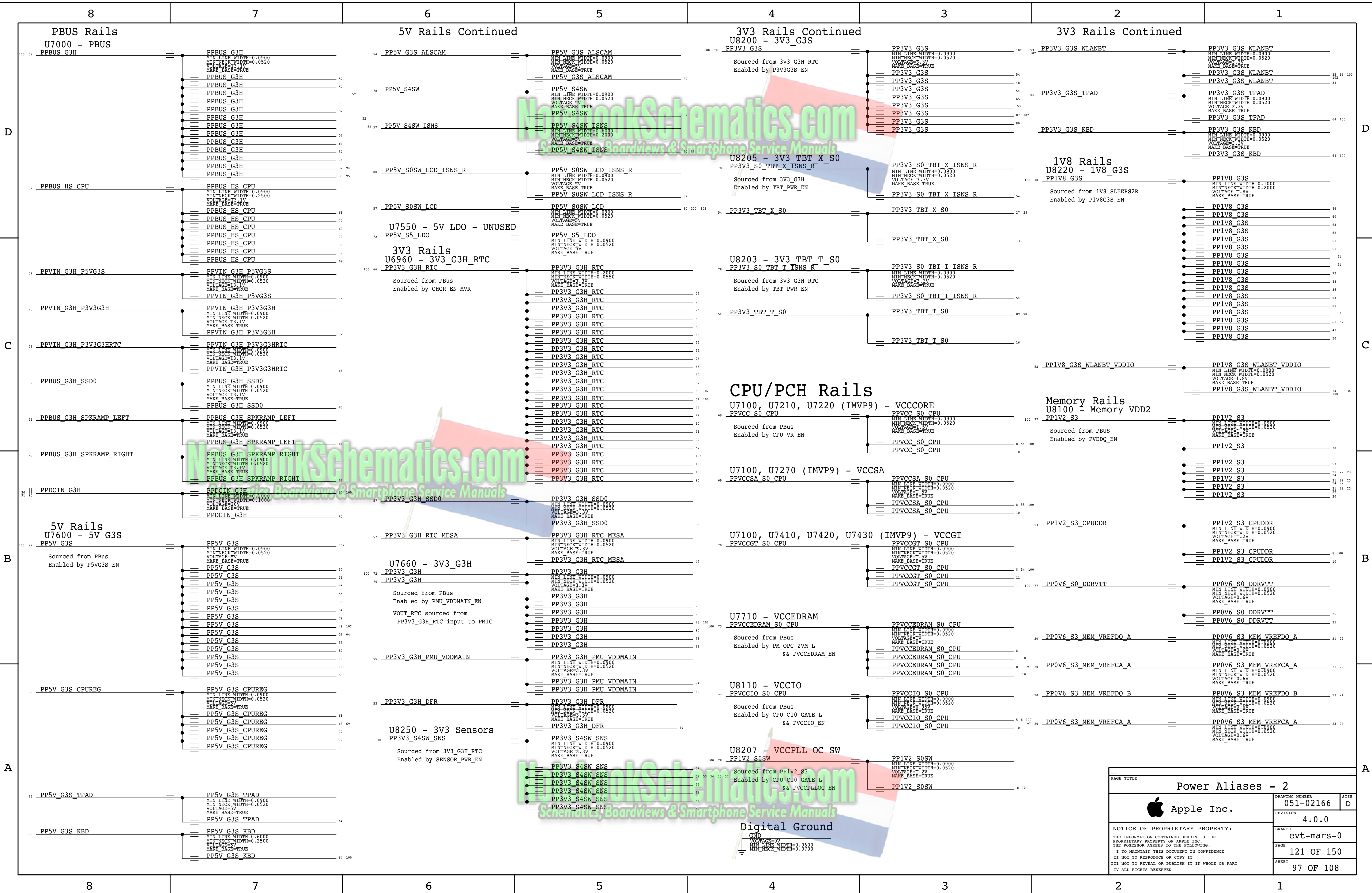












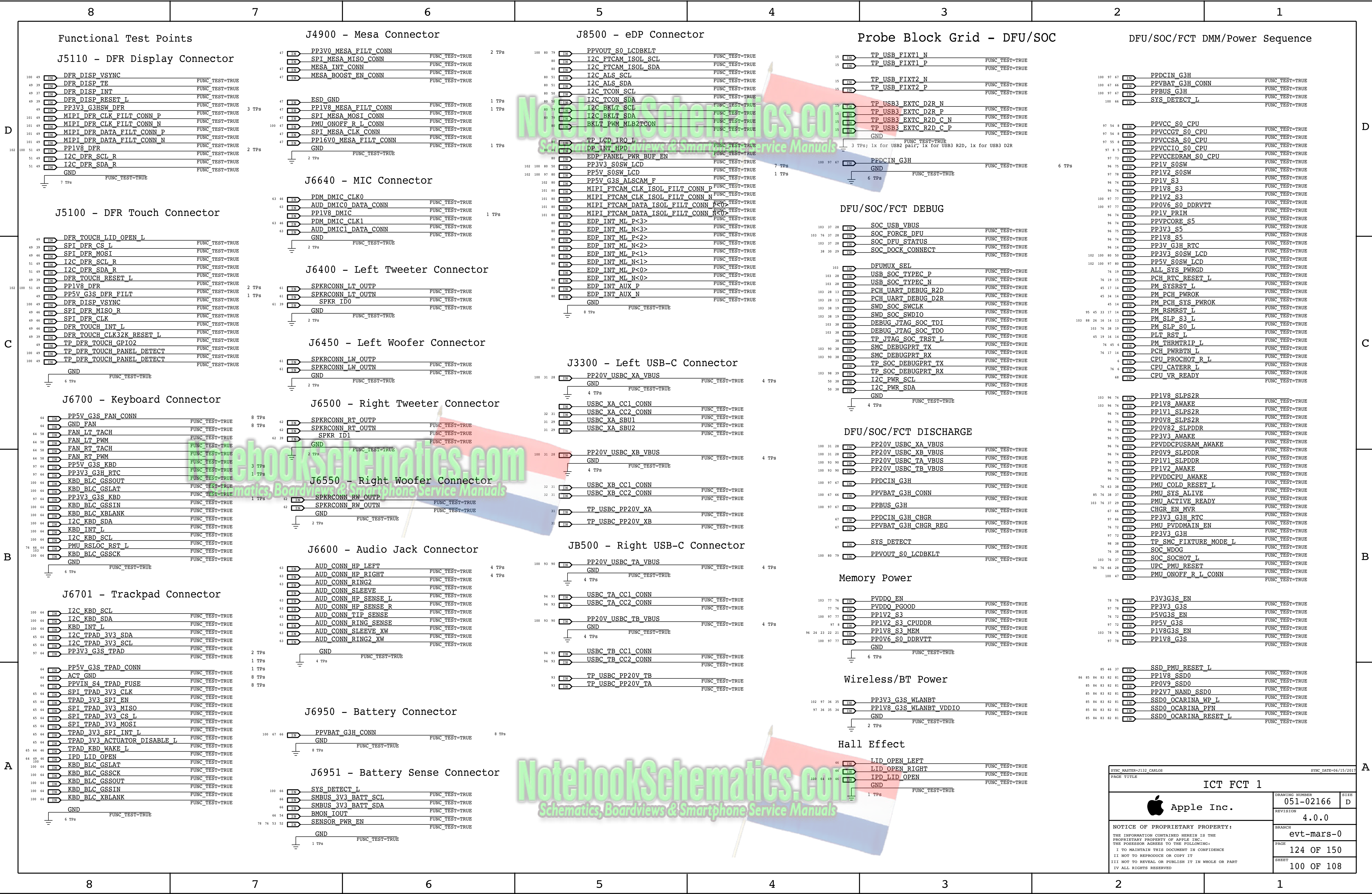








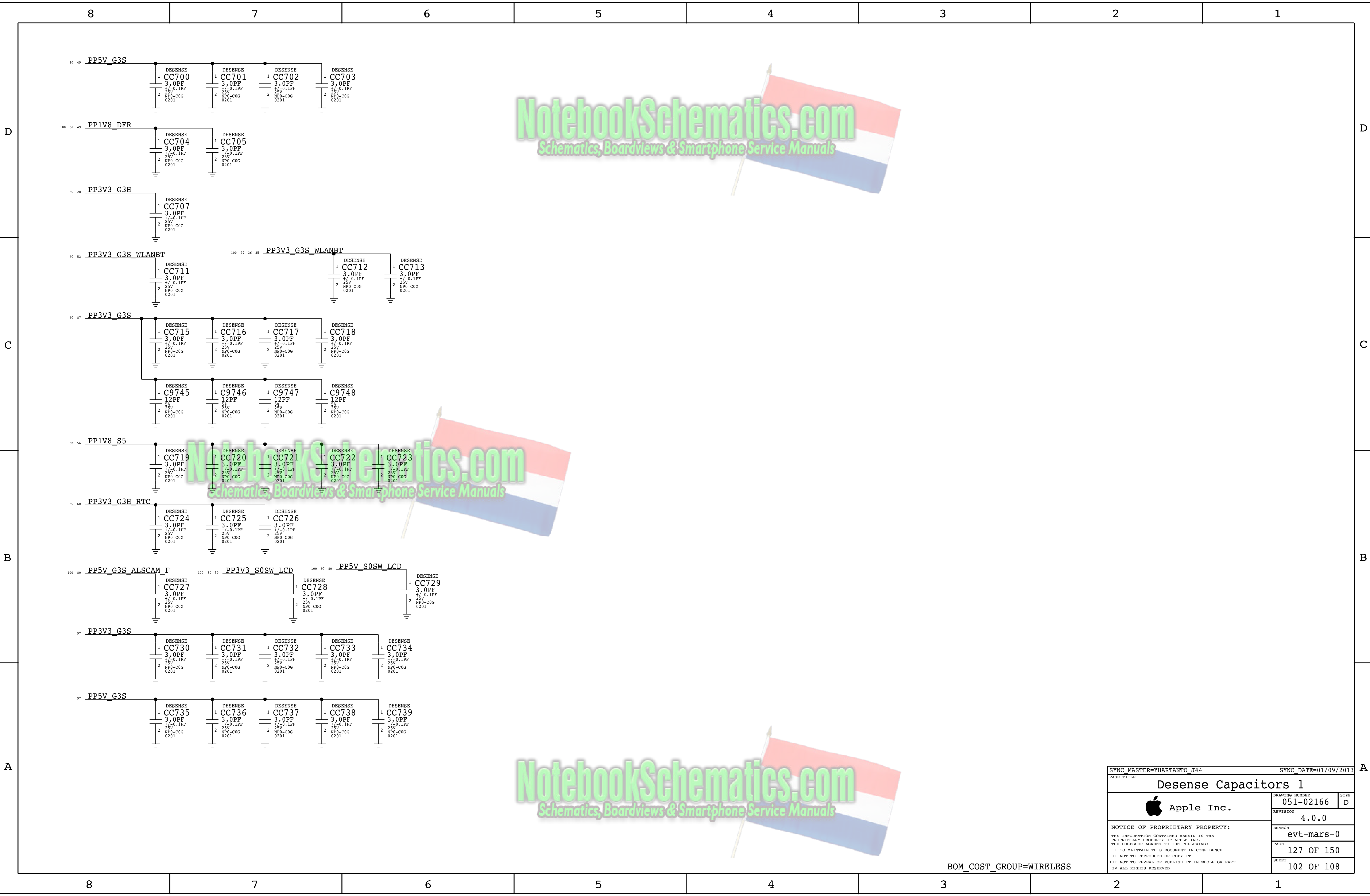











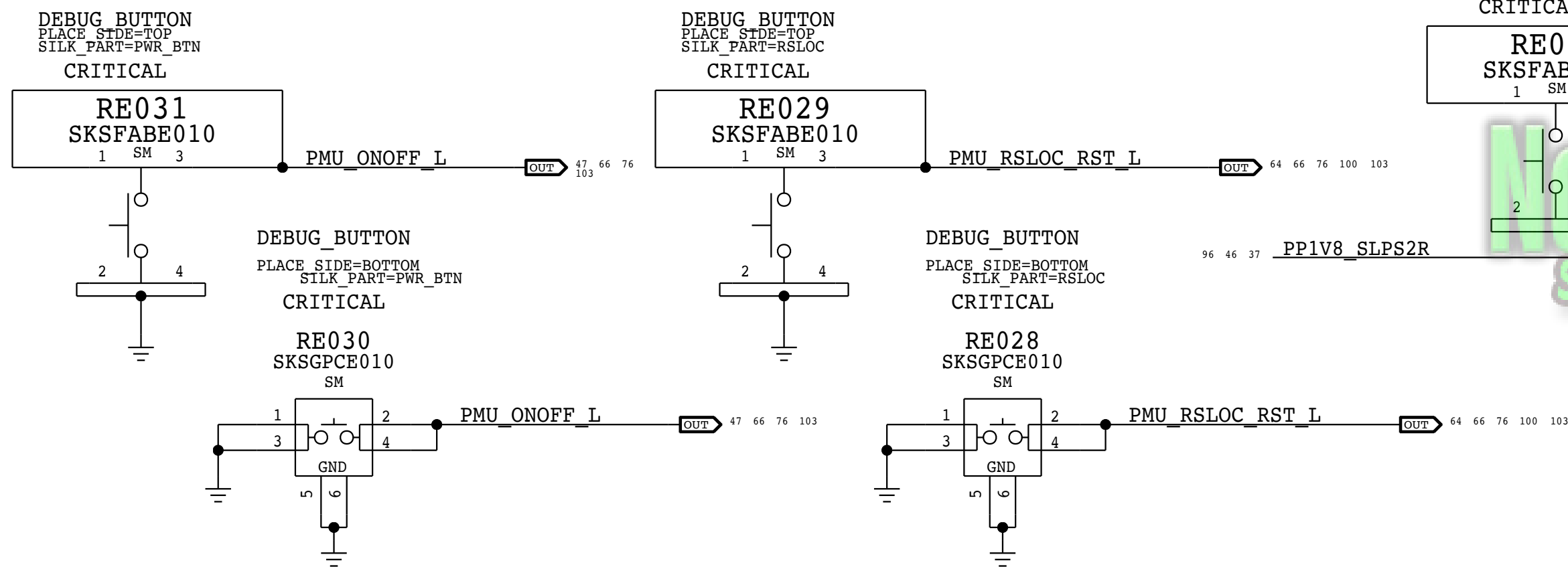


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			PAGE	127 OF 150	
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BOM\_COST\_GROUP=WIRELESS

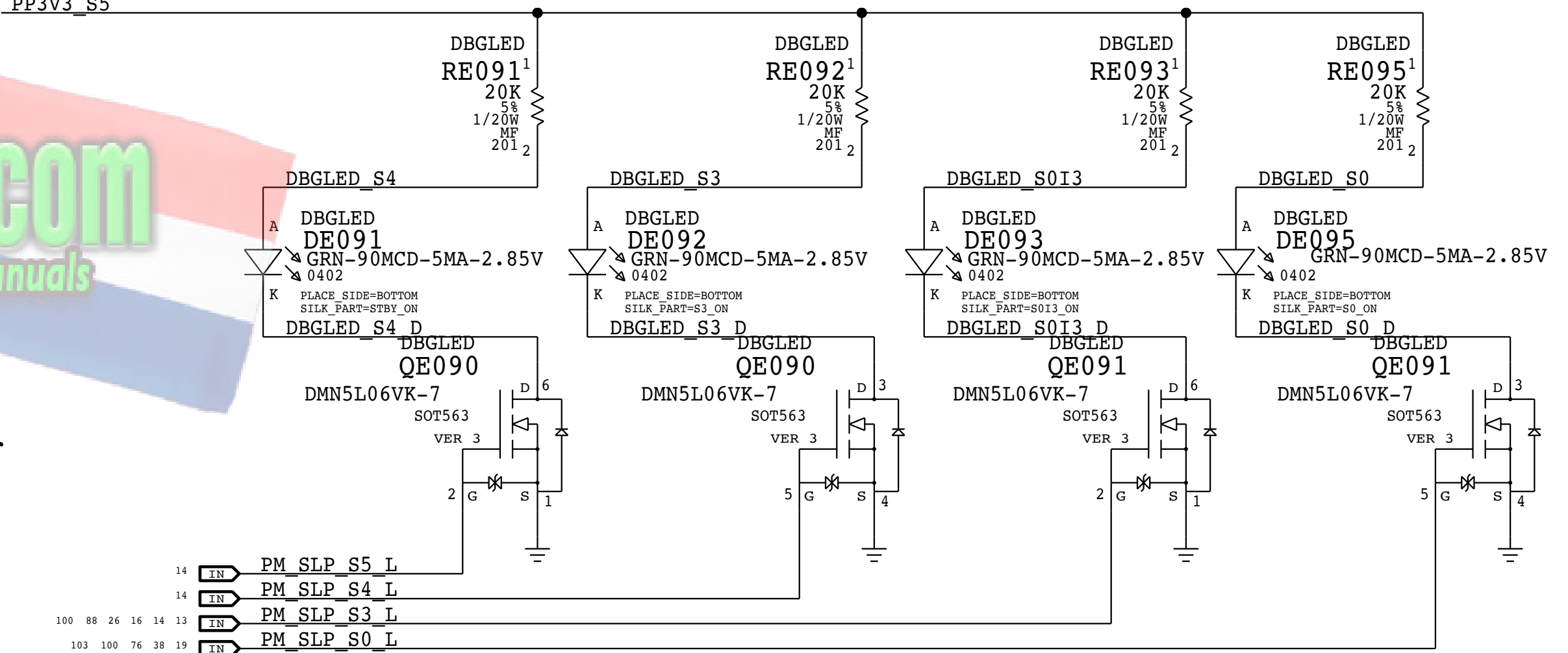


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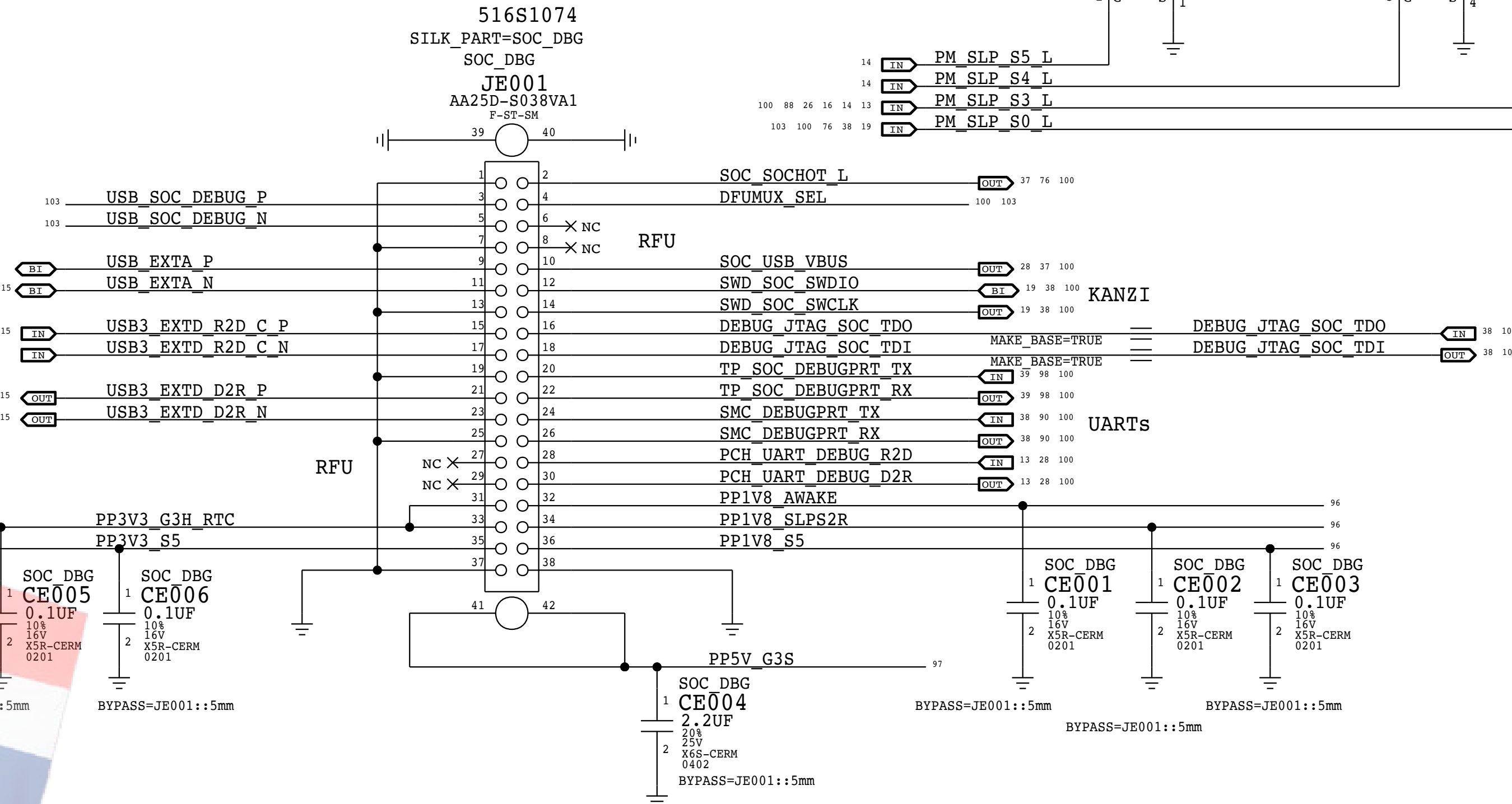


## Power State Debug LEDs

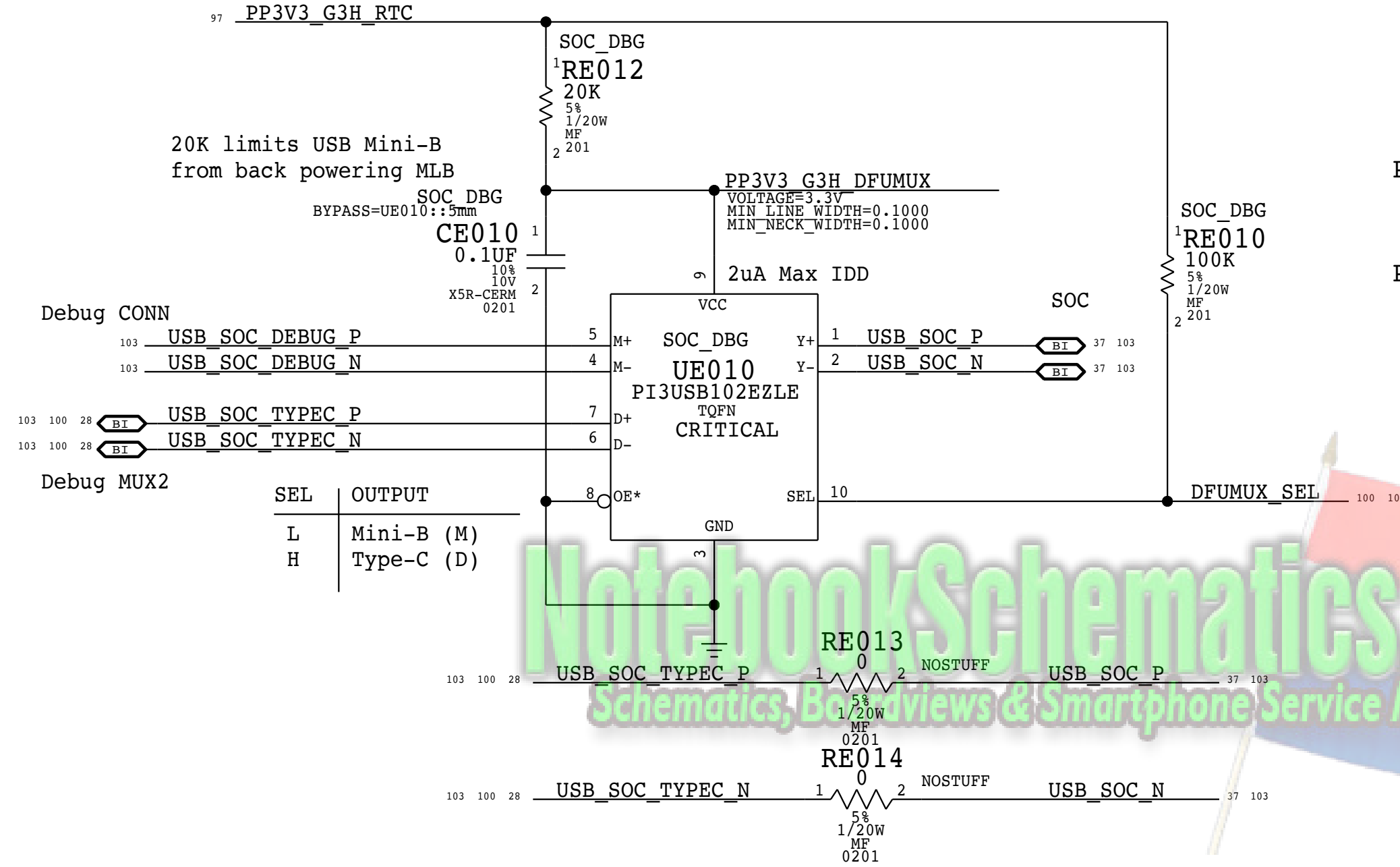
(For development only)



## SOC DEBUG Connector

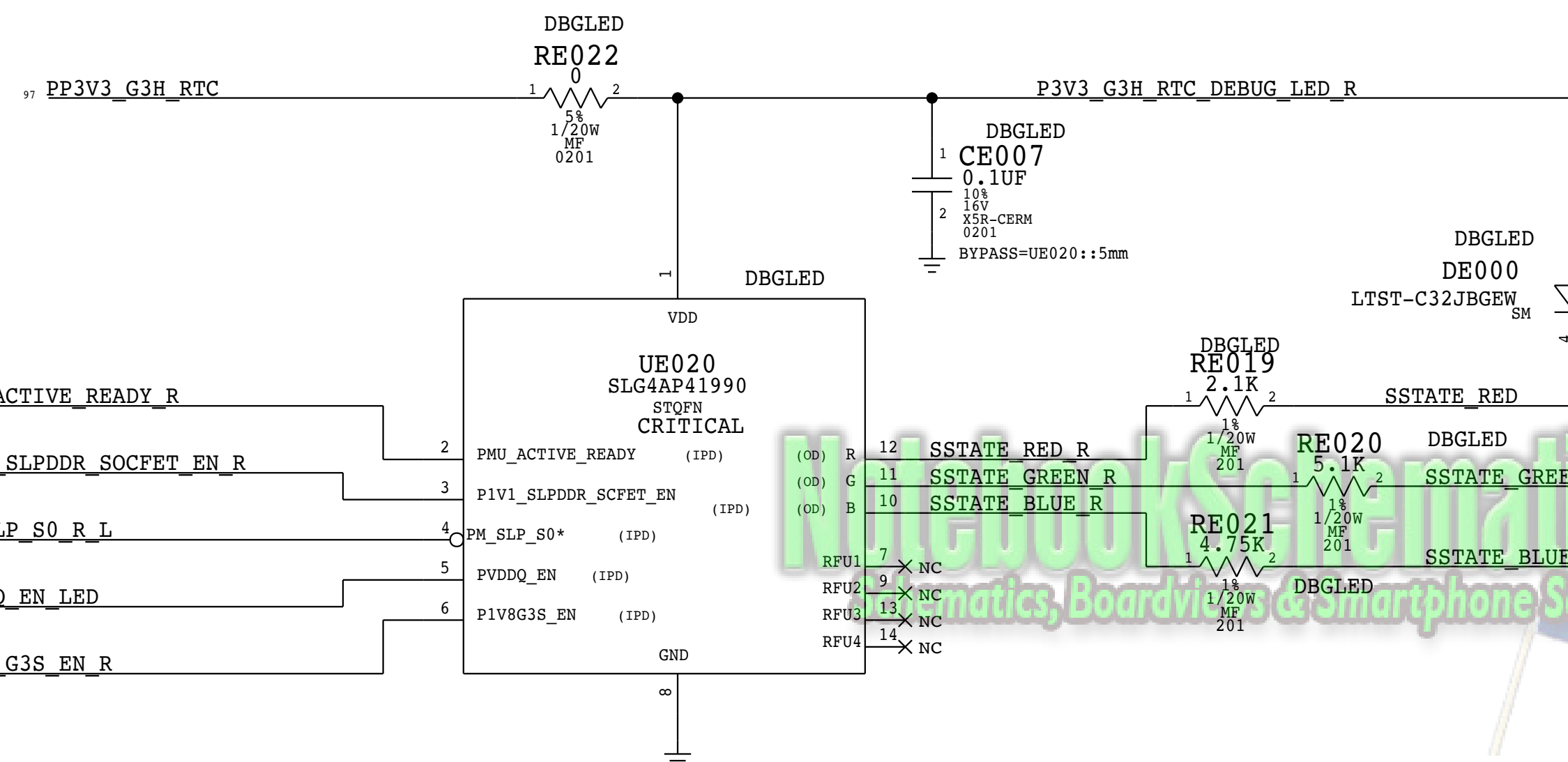


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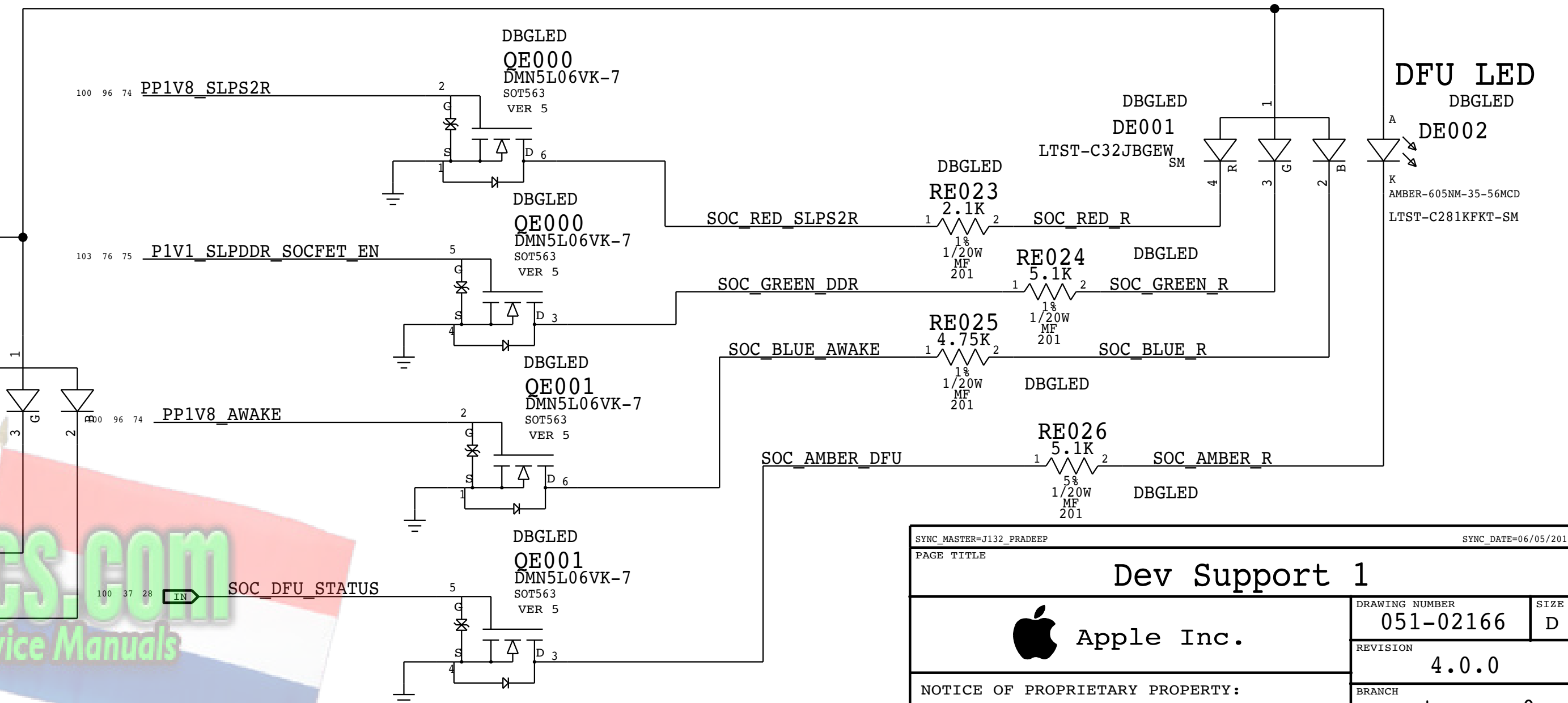


## System State LEDs

See color table on next page






## SOC State LEDs



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BOM\_COST\_GROUP=DEBUG



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D	<div>UE020 SAK Truth Table:</div> <table><tr><th colspan="5">INPUTS</th><th colspan="4">OUTPUTS (OD)</th></tr><tr><th>PMU_ACT_RDY</th><th>SLP_SCFET_EN</th><th>SLP_S0_L</th><th>VDDQ_EN</th><th>1V8G3S_EN</th><th>R</th><th>G</th><th>B</th><th>COLOR</th></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>BLINK</td><td>1</td><td>1</td><td>Blinking 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(OD)				PMU_ACT_RDY	SLP_SCFET_EN	SLP_S0_L	VDDQ_EN	1V8G3S_EN	R	G	B	COLOR	0	0	0	0	0	BLINK	1	1	Blinking 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D	<div><div>BOM Variants</div><table><tr><th>BOM NUMBER</th><th>BOM NAME</th><th>BOM OPTIONS</th></tr><tr><td>685-00187</td><td>COMMON PARTS,MLB,X941</td><td>X941_COMMON</td></tr><tr><td>985-00366</td><td>DEV,MLB,X941</td><td>X941_DEVEL:ENG</td></tr><tr><td>939-05022</td><td>PCBA,MLB,NO CPU,SS-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,DRAMCFG:SS_8G,NANDCFG:SD_256G</td></tr><tr><td>939-05023</td><td>PCBA,MLB,CPU SOCKET,SS-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:SOCKET,DRAMCFG:SS_8G,NANDCFG:SD_256G</td></tr><tr><td>939-05373</td><td>PCBA,MLB,2.3G,HY-8G,SS-2T-DOE,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T_DOE</td></tr><tr><td>939-05374</td><td>PCBA,MLB,2.3G,MI-8G,SD-256G-DOE,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G_DOE</td></tr><tr><td>939-05375</td><td>PCBA,MLB,2.3G,SS-8G,TO-256G-DOE,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G_DOE</td></tr><tr><td>939-05698</td><td>PCBA,MLB,NO CPU,RF DOE,X941</td><td>SCH,PCB,RF_DOE</td></tr></table></div>								BOM NUMBER	BOM NAME	BOM OPTIONS	685-00187	COMMON PARTS,MLB,X941	X941_COMMON	985-00366	DEV,MLB,X941	X941_DEVEL:ENG	939-05022	PCBA,MLB,NO CPU,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,DRAMCFG:SS_8G,NANDCFG:SD_256G	939-05023	PCBA,MLB,CPU SOCKET,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:SOCKET,DRAMCFG:SS_8G,NANDCFG:SD_256G	939-05373	PCBA,MLB,2.3G,HY-8G,SS-2T-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T_DOE	939-05374	PCBA,MLB,2.3G,MI-8G,SD-256G-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G_DOE	939-05375	PCBA,MLB,2.3G,SS-8G,TO-256G-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G_DOE	939-05698	PCBA,MLB,NO CPU,RF DOE,X941	SCH,PCB,RF_DOE																																																																																																																									
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939-05022	PCBA,MLB,NO CPU,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,DRAMCFG:SS_8G,NANDCFG:SD_256G																																																																																																																																																										
939-05023	PCBA,MLB,CPU SOCKET,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:SOCKET,DRAMCFG:SS_8G,NANDCFG:SD_256G																																																																																																																																																										
939-05373	PCBA,MLB,2.3G,HY-8G,SS-2T-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T_DOE																																																																																																																																																										
939-05374	PCBA,MLB,2.3G,MI-8G,SD-256G-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G_DOE																																																																																																																																																										
939-05375	PCBA,MLB,2.3G,SS-8G,TO-256G-DOE,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G_DOE																																																																																																																																																										
939-05698	PCBA,MLB,NO CPU,RF DOE,X941	SCH,PCB,RF_DOE																																																																																																																																																										
C	<div><div></div><table><tr><th>BOM NUMBER</th><th>BOM NAME</th><th>BOM OPTIONS</th></tr><tr><td>639-05125</td><td>PCBA,MLB,2.3G,HY-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05126</td><td>PCBA,MLB,2.3G,HY-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05127</td><td>PCBA,MLB,2.3G,MI-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05128</td><td>PCBA,MLB,2.3G,MI-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05129</td><td>PCBA,MLB,2.3G,SS-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05130</td><td>PCBA,MLB,2.3G,SS-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05131</td><td>PCBA,MLB,2.3G,HY-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05132</td><td>PCBA,MLB,2.3G,HY-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05133</td><td>PCBA,MLB,2.3G,MI-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05134</td><td>PCBA,MLB,2.3G,MI-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05135</td><td>PCBA,MLB,2.3G,SS-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05136</td><td>PCBA,MLB,2.3G,SS-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05193</td><td>PCBA,MLB,2.3G,HY-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05194</td><td>PCBA,MLB,2.3G,HY-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05195</td><td>PCBA,MLB,2.3G,MI-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05196</td><td>PCBA,MLB,2.3G,MI-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05197</td><td>PCBA,MLB,2.3G,SS-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05198</td><td>PCBA,MLB,2.3G,SS-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05199</td><td>PCBA,MLB,2.3G,HY-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05200</td><td>PCBA,MLB,2.3G,HY-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05201</td><td>PCBA,MLB,2.3G,MI-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05202</td><td>PCBA,MLB,2.3G,MI-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05203</td><td>PCBA,MLB,2.3G,SS-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05204</td><td>PCBA,MLB,2.3G,SS-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05205</td><td>PCBA,MLB,2.3G,HY-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05206</td><td>PCBA,MLB,2.3G,HY-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05207</td><td>PCBA,MLB,2.3G,HY-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05208</td><td>PCBA,MLB,2.3G,MI-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05209</td><td>PCBA,MLB,2.3G,MI-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05210</td><td>PCBA,MLB,2.3G,MI-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05211</td><td>PCBA,MLB,2.3G,SS-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05212</td><td>PCBA,MLB,2.3G,SS-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05213</td><td>PCBA,MLB,2.3G,SS-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05214</td><td>PCBA,MLB,2.3G,HY-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05215</td><td>PCBA,MLB,2.3G,HY-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05216</td><td>PCBA,MLB,2.3G,HY-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05217</td><td>PCBA,MLB,2.3G,MI-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05218</td><td>PCBA,MLB,2.3G,MI-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05219</td><td>PCBA,MLB,2.3G,MI-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05220</td><td>PCBA,MLB,2.3G,SS-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05221</td><td>PCBA,MLB,2.3G,SS-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05222</td><td>PCBA,MLB,2.3G,SS-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05223</td><td>PCBA,MLB,2.3G,HY-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05224</td><td>PCBA,MLB,2.3G,MI-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05225</td><td>PCBA,MLB,2.3G,SS-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05226</td><td>PCBA,MLB,2.3G,HY-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_2T</td></tr><tr><td>639-05227</td><td>PCBA,MLB,2.3G,MI-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_2T</td></tr><tr><td>639-05228</td><td>PCBA,MLB,2.3G,SS-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_2T</td></tr></table></div>								BOM NUMBER	BOM NAME	BOM OPTIONS	639-05125	PCBA,MLB,2.3G,HY-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_256G	639-05126	PCBA,MLB,2.3G,HY-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_256G	639-05127	PCBA,MLB,2.3G,MI-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G	639-05128	PCBA,MLB,2.3G,MI-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_256G	639-05129	PCBA,MLB,2.3G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_256G	639-05130	PCBA,MLB,2.3G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G	639-05131	PCBA,MLB,2.3G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_256G	639-05132	PCBA,MLB,2.3G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_256G	639-05133	PCBA,MLB,2.3G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_256G	639-05134	PCBA,MLB,2.3G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_256G	639-05135	PCBA,MLB,2.3G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_256G	639-05136	PCBA,MLB,2.3G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_256G	639-05193	PCBA,MLB,2.3G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_512G	639-05194	PCBA,MLB,2.3G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_512G	639-05195	PCBA,MLB,2.3G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_512G	639-05196	PCBA,MLB,2.3G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_512G	639-05197	PCBA,MLB,2.3G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_512G	639-05198	PCBA,MLB,2.3G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_512G	639-05199	PCBA,MLB,2.3G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_512G	639-05200	PCBA,MLB,2.3G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_512G	639-05201	PCBA,MLB,2.3G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_512G	639-05202	PCBA,MLB,2.3G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_512G	639-05203	PCBA,MLB,2.3G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_512G	639-05204	PCBA,MLB,2.3G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_512G	639-05205	PCBA,MLB,2.3G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_1T	639-05206	PCBA,MLB,2.3G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_1T	639-05207	PCBA,MLB,2.3G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_1T	639-05208	PCBA,MLB,2.3G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_1T	639-05209	PCBA,MLB,2.3G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_1T	639-05210	PCBA,MLB,2.3G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_1T	639-05211	PCBA,MLB,2.3G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_1T	639-05212	PCBA,MLB,2.3G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_1T	639-05213	PCBA,MLB,2.3G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_1T	639-05214	PCBA,MLB,2.3G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_1T	639-05215	PCBA,MLB,2.3G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_1T	639-05216	PCBA,MLB,2.3G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_1T	639-05217	PCBA,MLB,2.3G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_1T	639-05218	PCBA,MLB,2.3G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_1T	639-05219	PCBA,MLB,2.3G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_1T	639-05220	PCBA,MLB,2.3G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_1T	639-05221	PCBA,MLB,2.3G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_1T	639-05222	PCBA,MLB,2.3G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_1T	639-05223	PCBA,MLB,2.3G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T	639-05224	PCBA,MLB,2.3G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_2T	639-05225	PCBA,MLB,2.3G,SS-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_2T	639-05226	PCBA,MLB,2.3G,HY-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_2T	639-05227	PCBA,MLB,2.3G,MI-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_2T	639-05228	PCBA,MLB,2.3G,SS-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_2T	
BOM NUMBER	BOM NAME	BOM OPTIONS																																																																																																																																																										
639-05125	PCBA,MLB,2.3G,HY-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05126	PCBA,MLB,2.3G,HY-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05127	PCBA,MLB,2.3G,MI-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05128	PCBA,MLB,2.3G,MI-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05129	PCBA,MLB,2.3G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05130	PCBA,MLB,2.3G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05131	PCBA,MLB,2.3G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05132	PCBA,MLB,2.3G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05133	PCBA,MLB,2.3G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05134	PCBA,MLB,2.3G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05135	PCBA,MLB,2.3G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05136	PCBA,MLB,2.3G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05193	PCBA,MLB,2.3G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05194	PCBA,MLB,2.3G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05195	PCBA,MLB,2.3G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05196	PCBA,MLB,2.3G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05197	PCBA,MLB,2.3G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05198	PCBA,MLB,2.3G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05199	PCBA,MLB,2.3G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05200	PCBA,MLB,2.3G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05201	PCBA,MLB,2.3G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05202	PCBA,MLB,2.3G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05203	PCBA,MLB,2.3G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05204	PCBA,MLB,2.3G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05205	PCBA,MLB,2.3G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05206	PCBA,MLB,2.3G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05207	PCBA,MLB,2.3G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05208	PCBA,MLB,2.3G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05209	PCBA,MLB,2.3G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05210	PCBA,MLB,2.3G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05211	PCBA,MLB,2.3G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05212	PCBA,MLB,2.3G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05213	PCBA,MLB,2.3G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05214	PCBA,MLB,2.3G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05215	PCBA,MLB,2.3G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05216	PCBA,MLB,2.3G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05217	PCBA,MLB,2.3G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05218	PCBA,MLB,2.3G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05219	PCBA,MLB,2.3G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05220	PCBA,MLB,2.3G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05221	PCBA,MLB,2.3G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05222	PCBA,MLB,2.3G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05223	PCBA,MLB,2.3G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05224	PCBA,MLB,2.3G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05225	PCBA,MLB,2.3G,SS-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05226	PCBA,MLB,2.3G,HY-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:HY_16G,NANDCFG:SS_2T																																																																																																																																																										
639-05227	PCBA,MLB,2.3G,MI-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:MI_16G,NANDCFG:SS_2T																																																																																																																																																										
639-05228	PCBA,MLB,2.3G,SS-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.3G,DRAMCFG:SS_16G,NANDCFG:SS_2T																																																																																																																																																										
B																																																																																																																																																												
A	<div><div></div><table><tr><th>BOM NUMBER</th><th>BOM NAME</th><th>BOM OPTIONS</th></tr><tr><td>639-05528</td><td>PCBA,MLB,2.5G,HY-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05529</td><td>PCBA,MLB,2.5G,HY-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05530</td><td>PCBA,MLB,2.5G,MI-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05531</td><td>PCBA,MLB,2.5G,MI-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05532</td><td>PCBA,MLB,2.5G,SS-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05533</td><td>PCBA,MLB,2.5G,SS-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05534</td><td>PCBA,MLB,2.5G,HY-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05535</td><td>PCBA,MLB,2.5G,HY-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05536</td><td>PCBA,MLB,2.5G,MI-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05537</td><td>PCBA,MLB,2.5G,MI-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05538</td><td>PCBA,MLB,2.5G,SS-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05539</td><td>PCBA,MLB,2.5G,SS-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05540</td><td>PCBA,MLB,2.5G,HY-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05541</td><td>PCBA,MLB,2.5G,HY-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05542</td><td>PCBA,MLB,2.5G,MI-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05543</td><td>PCBA,MLB,2.5G,MI-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05544</td><td>PCBA,MLB,2.5G,SS-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05545</td><td>PCBA,MLB,2.5G,SS-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05546</td><td>PCBA,MLB,2.5G,HY-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05547</td><td>PCBA,MLB,2.5G,HY-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05548</td><td>PCBA,MLB,2.5G,MI-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05549</td><td>PCBA,MLB,2.5G,MI-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05550</td><td>PCBA,MLB,2.5G,SS-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05551</td><td>PCBA,MLB,2.5G,SS-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05552</td><td>PCBA,MLB,2.5G,HY-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05553</td><td>PCBA,MLB,2.5G,HY-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05554</td><td>PCBA,MLB,2.5G,HY-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05555</td><td>PCBA,MLB,2.5G,MI-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05556</td><td>PCBA,MLB,2.5G,MI-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05557</td><td>PCBA,MLB,2.5G,MI-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05558</td><td>PCBA,MLB,2.5G,SS-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05559</td><td>PCBA,MLB,2.5G,SS-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05560</td><td>PCBA,MLB,2.5G,SS-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05561</td><td>PCBA,MLB,2.5G,HY-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05562</td><td>PCBA,MLB,2.5G,HY-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05563</td><td>PCBA,MLB,2.5G,HY-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05564</td><td>PCBA,MLB,2.5G,MI-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05565</td><td>PCBA,MLB,2.5G,MI-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05566</td><td>PCBA,MLB,2.5G,MI-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05567</td><td>PCBA,MLB,2.5G,SS-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05568</td><td>PCBA,MLB,2.5G,SS-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05569</td><td>PCBA,MLB,2.5G,SS-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05570</td><td>PCBA,MLB,2.5G,HY-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05571</td><td>PCBA,MLB,2.5G,MI-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8</td></tr></table></div>								BOM NUMBER	BOM NAME	BOM OPTIONS	639-05528	PCBA,MLB,2.5G,HY-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_256G	639-05529	PCBA,MLB,2.5G,HY-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_256G	639-05530	PCBA,MLB,2.5G,MI-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_256G	639-05531	PCBA,MLB,2.5G,MI-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_256G	639-05532	PCBA,MLB,2.5G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_256G	639-05533	PCBA,MLB,2.5G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_256G	639-05534	PCBA,MLB,2.5G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_256G	639-05535	PCBA,MLB,2.5G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_256G	639-05536	PCBA,MLB,2.5G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_256G	639-05537	PCBA,MLB,2.5G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_256G	639-05538	PCBA,MLB,2.5G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_256G	639-05539	PCBA,MLB,2.5G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_256G	639-05540	PCBA,MLB,2.5G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_512G	639-05541	PCBA,MLB,2.5G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_512G	639-05542	PCBA,MLB,2.5G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_512G	639-05543	PCBA,MLB,2.5G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_512G	639-05544	PCBA,MLB,2.5G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_512G	639-05545	PCBA,MLB,2.5G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_512G	639-05546	PCBA,MLB,2.5G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_512G	639-05547	PCBA,MLB,2.5G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_512G	639-05548	PCBA,MLB,2.5G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_512G	639-05549	PCBA,MLB,2.5G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_512G	639-05550	PCBA,MLB,2.5G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_512G	639-05551	PCBA,MLB,2.5G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_512G	639-05552	PCBA,MLB,2.5G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_1T	639-05553	PCBA,MLB,2.5G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_1T	639-05554	PCBA,MLB,2.5G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_1T	639-05555	PCBA,MLB,2.5G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_1T	639-05556	PCBA,MLB,2.5G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SS_1T	639-05557	PCBA,MLB,2.5G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_1T	639-05558	PCBA,MLB,2.5G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_1T	639-05559	PCBA,MLB,2.5G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SS_1T	639-05560	PCBA,MLB,2.5G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_1T	639-05561	PCBA,MLB,2.5G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_1T	639-05562	PCBA,MLB,2.5G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SS_1T	639-05563	PCBA,MLB,2.5G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_1T	639-05564	PCBA,MLB,2.5G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_1T	639-05565	PCBA,MLB,2.5G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SS_1T	639-05566	PCBA,MLB,2.5G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_1T	639-05567	PCBA,MLB,2.5G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_1T	639-05568	PCBA,MLB,2.5G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SS_1T	639-05569	PCBA,MLB,2.5G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_1T	639-05570	PCBA,MLB,2.5G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_2T	639-05571	PCBA,MLB,2.5G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8													
BOM NUMBER	BOM NAME	BOM OPTIONS																																																																																																																																																										
639-05528	PCBA,MLB,2.5G,HY-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05529	PCBA,MLB,2.5G,HY-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05530	PCBA,MLB,2.5G,MI-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05531	PCBA,MLB,2.5G,MI-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05532	PCBA,MLB,2.5G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05533	PCBA,MLB,2.5G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05534	PCBA,MLB,2.5G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05535	PCBA,MLB,2.5G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05536	PCBA,MLB,2.5G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05537	PCBA,MLB,2.5G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05538	PCBA,MLB,2.5G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05539	PCBA,MLB,2.5G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05540	PCBA,MLB,2.5G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05541	PCBA,MLB,2.5G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05542	PCBA,MLB,2.5G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05543	PCBA,MLB,2.5G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05544	PCBA,MLB,2.5G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05545	PCBA,MLB,2.5G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05546	PCBA,MLB,2.5G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05547	PCBA,MLB,2.5G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05548	PCBA,MLB,2.5G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05549	PCBA,MLB,2.5G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05550	PCBA,MLB,2.5G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05551	PCBA,MLB,2.5G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05552	PCBA,MLB,2.5G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05553	PCBA,MLB,2.5G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05554	PCBA,MLB,2.5G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05555	PCBA,MLB,2.5G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05556	PCBA,MLB,2.5G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05557	PCBA,MLB,2.5G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05558	PCBA,MLB,2.5G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05559	PCBA,MLB,2.5G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05560	PCBA,MLB,2.5G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05561	PCBA,MLB,2.5G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05562	PCBA,MLB,2.5G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05563	PCBA,MLB,2.5G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05564	PCBA,MLB,2.5G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05565	PCBA,MLB,2.5G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05566	PCBA,MLB,2.5G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05567	PCBA,MLB,2.5G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05568	PCBA,MLB,2.5G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05569	PCBA,MLB,2.5G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:SS_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05570	PCBA,MLB,2.5G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:HY_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05571	PCBA,MLB,2.5G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.5G,DRAMCFG:MI_8																																																																																																																																																										

BOM Variants 1		
 Apple Inc.	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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D	<div>BOM Variants</div> <table><tr><th>BOM NUMBER</th><th>BOM NAME</th><th>BOM OPTIONS</th></tr><tr><td>639-05576</td><td>PCBA,MLB,2.6G,HY-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05577</td><td>PCBA,MLB,2.6G,HY-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05578</td><td>PCBA,MLB,2.6G,MI-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05579</td><td>PCBA,MLB,2.6G,MI-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05580</td><td>PCBA,MLB,2.6G,SS-8G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_256G</td></tr><tr><td>639-05581</td><td>PCBA,MLB,2.6G,SS-8G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_256G</td></tr><tr><td>639-05582</td><td>PCBA,MLB,2.6G,HY-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05583</td><td>PCBA,MLB,2.6G,HY-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05584</td><td>PCBA,MLB,2.6G,MI-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05585</td><td>PCBA,MLB,2.6G,MI-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05586</td><td>PCBA,MLB,2.6G,SS-16G,SD-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_256G</td></tr><tr><td>639-05587</td><td>PCBA,MLB,2.6G,SS-16G,TO-256G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_256G</td></tr><tr><td>639-05588</td><td>PCBA,MLB,2.6G,HY-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05589</td><td>PCBA,MLB,2.6G,HY-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05590</td><td>PCBA,MLB,2.6G,MI-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05591</td><td>PCBA,MLB,2.6G,MI-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05592</td><td>PCBA,MLB,2.6G,SS-8G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_512G</td></tr><tr><td>639-05593</td><td>PCBA,MLB,2.6G,SS-8G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_512G</td></tr><tr><td>639-05594</td><td>PCBA,MLB,2.6G,HY-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05595</td><td>PCBA,MLB,2.6G,HY-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05596</td><td>PCBA,MLB,2.6G,MI-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05597</td><td>PCBA,MLB,2.6G,MI-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05598</td><td>PCBA,MLB,2.6G,SS-16G,SD-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_512G</td></tr><tr><td>639-05599</td><td>PCBA,MLB,2.6G,SS-16G,TO-512G,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_512G</td></tr><tr><td>639-05600</td><td>PCBA,MLB,2.6G,HY-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05601</td><td>PCBA,MLB,2.6G,HY-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05602</td><td>PCBA,MLB,2.6G,HY-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05603</td><td>PCBA,MLB,2.6G,MI-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05604</td><td>PCBA,MLB,2.6G,MI-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05605</td><td>PCBA,MLB,2.6G,MI-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05606</td><td>PCBA,MLB,2.6G,SS-8G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_1T</td></tr><tr><td>639-05607</td><td>PCBA,MLB,2.6G,SS-8G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_1T</td></tr><tr><td>639-05608</td><td>PCBA,MLB,2.6G,SS-8G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_1T</td></tr><tr><td>639-05609</td><td>PCBA,MLB,2.6G,HY-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05610</td><td>PCBA,MLB,2.6G,HY-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05611</td><td>PCBA,MLB,2.6G,HY-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05612</td><td>PCBA,MLB,2.6G,MI-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05613</td><td>PCBA,MLB,2.6G,MI-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05614</td><td>PCBA,MLB,2.6G,MI-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05615</td><td>PCBA,MLB,2.6G,SS-16G,SD-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_1T</td></tr><tr><td>639-05616</td><td>PCBA,MLB,2.6G,SS-16G,SS-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_1T</td></tr><tr><td>639-05617</td><td>PCBA,MLB,2.6G,SS-16G,TO-1T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_1T</td></tr><tr><td>639-05618</td><td>PCBA,MLB,2.6G,HY-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05619</td><td>PCBA,MLB,2.6G,MI-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05620</td><td>PCBA,MLB,2.6G,SS-8G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_2T</td></tr><tr><td>639-05621</td><td>PCBA,MLB,2.6G,HY-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_2T</td></tr><tr><td>639-05622</td><td>PCBA,MLB,2.6G,MI-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_2T</td></tr><tr><td>639-05623</td><td>PCBA,MLB,2.6G,SS-16G,SS-2T,X941</td><td>BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_2T</td></tr></table>								BOM NUMBER	BOM NAME	BOM OPTIONS	639-05576	PCBA,MLB,2.6G,HY-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_256G	639-05577	PCBA,MLB,2.6G,HY-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_256G	639-05578	PCBA,MLB,2.6G,MI-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_256G	639-05579	PCBA,MLB,2.6G,MI-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_256G	639-05580	PCBA,MLB,2.6G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_256G	639-05581	PCBA,MLB,2.6G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_256G	639-05582	PCBA,MLB,2.6G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_256G	639-05583	PCBA,MLB,2.6G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_256G	639-05584	PCBA,MLB,2.6G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_256G	639-05585	PCBA,MLB,2.6G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_256G	639-05586	PCBA,MLB,2.6G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_256G	639-05587	PCBA,MLB,2.6G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_256G	639-05588	PCBA,MLB,2.6G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_512G	639-05589	PCBA,MLB,2.6G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_512G	639-05590	PCBA,MLB,2.6G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_512G	639-05591	PCBA,MLB,2.6G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_512G	639-05592	PCBA,MLB,2.6G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_512G	639-05593	PCBA,MLB,2.6G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_512G	639-05594	PCBA,MLB,2.6G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_512G	639-05595	PCBA,MLB,2.6G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_512G	639-05596	PCBA,MLB,2.6G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_512G	639-05597	PCBA,MLB,2.6G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_512G	639-05598	PCBA,MLB,2.6G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_512G	639-05599	PCBA,MLB,2.6G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_512G	639-05600	PCBA,MLB,2.6G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_1T	639-05601	PCBA,MLB,2.6G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_1T	639-05602	PCBA,MLB,2.6G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_1T	639-05603	PCBA,MLB,2.6G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_1T	639-05604	PCBA,MLB,2.6G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_1T	639-05605	PCBA,MLB,2.6G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_1T	639-05606	PCBA,MLB,2.6G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_1T	639-05607	PCBA,MLB,2.6G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_1T	639-05608	PCBA,MLB,2.6G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_1T	639-05609	PCBA,MLB,2.6G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_1T	639-05610	PCBA,MLB,2.6G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_1T	639-05611	PCBA,MLB,2.6G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_1T	639-05612	PCBA,MLB,2.6G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_1T	639-05613	PCBA,MLB,2.6G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_1T	639-05614	PCBA,MLB,2.6G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_1T	639-05615	PCBA,MLB,2.6G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_1T	639-05616	PCBA,MLB,2.6G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_1T	639-05617	PCBA,MLB,2.6G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_1T	639-05618	PCBA,MLB,2.6G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_2T	639-05619	PCBA,MLB,2.6G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_2T	639-05620	PCBA,MLB,2.6G,SS-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_2T	639-05621	PCBA,MLB,2.6G,HY-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_2T	639-05622	PCBA,MLB,2.6G,MI-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_2T	639-05623	PCBA,MLB,2.6G,SS-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_2T	D
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639-05580	PCBA,MLB,2.6G,SS-8G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_256G																																																																																																																																																										
639-05581	PCBA,MLB,2.6G,SS-8G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_256G																																																																																																																																																										
639-05582	PCBA,MLB,2.6G,HY-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05583	PCBA,MLB,2.6G,HY-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05584	PCBA,MLB,2.6G,MI-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05585	PCBA,MLB,2.6G,MI-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05586	PCBA,MLB,2.6G,SS-16G,SD-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_256G																																																																																																																																																										
639-05587	PCBA,MLB,2.6G,SS-16G,TO-256G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_256G																																																																																																																																																										
639-05588	PCBA,MLB,2.6G,HY-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05589	PCBA,MLB,2.6G,HY-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05590	PCBA,MLB,2.6G,MI-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05591	PCBA,MLB,2.6G,MI-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05592	PCBA,MLB,2.6G,SS-8G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_512G																																																																																																																																																										
639-05593	PCBA,MLB,2.6G,SS-8G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_512G																																																																																																																																																										
639-05594	PCBA,MLB,2.6G,HY-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05595	PCBA,MLB,2.6G,HY-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05596	PCBA,MLB,2.6G,MI-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05597	PCBA,MLB,2.6G,MI-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05598	PCBA,MLB,2.6G,SS-16G,SD-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_512G																																																																																																																																																										
639-05599	PCBA,MLB,2.6G,SS-16G,TO-512G,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_512G																																																																																																																																																										
639-05600	PCBA,MLB,2.6G,HY-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05601	PCBA,MLB,2.6G,HY-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05602	PCBA,MLB,2.6G,HY-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05603	PCBA,MLB,2.6G,MI-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05604	PCBA,MLB,2.6G,MI-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05605	PCBA,MLB,2.6G,MI-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05606	PCBA,MLB,2.6G,SS-8G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SD_1T																																																																																																																																																										
639-05607	PCBA,MLB,2.6G,SS-8G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_1T																																																																																																																																																										
639-05608	PCBA,MLB,2.6G,SS-8G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:TO_1T																																																																																																																																																										
639-05609	PCBA,MLB,2.6G,HY-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05610	PCBA,MLB,2.6G,HY-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05611	PCBA,MLB,2.6G,HY-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05612	PCBA,MLB,2.6G,MI-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05613	PCBA,MLB,2.6G,MI-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05614	PCBA,MLB,2.6G,MI-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05615	PCBA,MLB,2.6G,SS-16G,SD-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SD_1T																																																																																																																																																										
639-05616	PCBA,MLB,2.6G,SS-16G,SS-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_1T																																																																																																																																																										
639-05617	PCBA,MLB,2.6G,SS-16G,TO-1T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:TO_1T																																																																																																																																																										
639-05618	PCBA,MLB,2.6G,HY-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05619	PCBA,MLB,2.6G,MI-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05620	PCBA,MLB,2.6G,SS-8G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_8G,NANDCFG:SS_2T																																																																																																																																																										
639-05621	PCBA,MLB,2.6G,HY-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:HY_16G,NANDCFG:SS_2T																																																																																																																																																										
639-05622	PCBA,MLB,2.6G,MI-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:MI_16G,NANDCFG:SS_2T																																																																																																																																																										
639-05623	PCBA,MLB,2.6G,SS-16G,SS-2T,X941	BASE_BOM,DEVEL_BOM,ALTERNATE,CPU:2.6G,DRAMCFG:SS_16G,NANDCFG:SS_2T																																																																																																																																																										
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 Apple Inc.	DRAWING NUMBER	051-02166
	REVISION	4.0.0
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D	<div>Alternate Parts System EE</div> <table><tr><th>PART NUMBER</th><th>ALTERNATE FOR PART NUMBER</th><th>BOM OPTION</th><th>REF DES</th><th>COMMENTS:</th></tr><tr><td>103S0321</td><td>103S0276</td><td></td><td>ALL</td><td></td></tr><tr><td>103S00248</td><td>103S00247</td><td></td><td>ALL</td><td>8.06K 0.1% RESISTOR</td></tr><tr><td>103S00250</td><td>103S00249</td><td></td><td>ALL</td><td>18.2K 0.1% RESISTOR</td></tr><tr><td>107S0284</td><td>107S00021</td><td>SENSOR:DEV</td><td>ALL</td><td>TFT w/ Yageo</td></tr><tr><td>107S00101</td><td>107S00005</td><td>SENSOR:DEV</td><td>ALL</td><td>Cyntec w/ Yageo</td></tr><tr><td>107S00102</td><td>107S00017</td><td>SENSOR:DEV</td><td>ALL</td><td>Cyntec w/ Yageo</td></tr><tr><td>107S0276</td><td>107S00020</td><td>SENSOR:DEV</td><td>ALL</td><td>Cyntec w/ TFT</td></tr><tr><td>107S00086</td><td>107S00056</td><td>ANY</td><td>ALL</td><td>TFT w/ Cyntec</td></tr><tr><td>107S00100</td><td>107S00057</td><td></td><td>ALL</td><td>Cyntec w/ TFT</td></tr><tr><td>107S00103</td><td>107S00058</td><td>SENSOR:DEV</td><td>ALL</td><td>Cyntec w/ Yageo</td></tr><tr><td>107S00070</td><td>107S0085</td><td></td><td>ALL</td><td>100K THERMISTOR</td></tr><tr><td>132S00202</td><td>132S00175</td><td></td><td>ALL</td><td></td></tr><tr><td>138S00084</td><td>138S00060</td><td></td><td>ALL</td><td></td></tr><tr><td>138S00117</td><td>138S00071</td><td></td><td>ALL</td><td></td></tr><tr><td>138S0714</td><td>138S0713</td><td></td><td>ALL</td><td>Murata w/ Samsung</td></tr><tr><td>138S0715</td><td>138S0732</td><td></td><td>ALL</td><td>Murata w/ Samsung</td></tr><tr><td>138S0706</td><td>138S0739</td><td></td><td>ALL</td><td>NEC w/ Vishay</td></tr><tr><td>138S0945</td><td>138S0739</td><td></td><td>ALL</td><td>NEC w/ Rohm</td></tr><tr><td>138S00049</td><td>138S0831</td><td>ANY</td><td>ALL</td><td></td></tr><tr><td>138S00006</td><td>138S0835</td><td></td><td>ALL</td><td></td></tr><tr><td>138S00086</td><td>138S0884</td><td></td><td>ALL</td><td></td></tr><tr><td>138S00104</td><td>138S0978</td><td></td><td>ALL</td><td>Murata w/ Taiyo</td></tr><tr><td>138S00056</td><td>138S1100</td><td></td><td>ALL</td><td></td></tr><tr><td>152S00369</td><td>152S00268</td><td></td><td>ALL</td><td>Cyntec w/ NEC</td></tr><tr><td>152S00403</td><td>152S00322</td><td></td><td>ALL</td><td>Murata w/ Chillisin</td></tr><tr><td>152S00864</td><td>152S00851</td><td></td><td>ALL</td><td></td></tr><tr><td>152S00434</td><td>152S1829</td><td></td><td>ALL</td><td></td></tr><tr><td>155S0665</td><td>155S00232</td><td></td><td>ALL</td><td></td></tr><tr><td>155S00166</td><td>155S0391</td><td></td><td>ALL</td><td></td></tr><tr><td>155S00018</td><td>155S0664</td><td></td><td>ALL</td><td>Murata w/ Taiyo</td></tr><tr><td>155S00007</td><td>155S0667</td><td></td><td>ALL</td><td></td></tr><tr><td>155S0914</td><td>155S0897</td><td></td><td>ALL</td><td></td></tr><tr><td>155S00190</td><td>155S0897</td><td></td><td>ALL</td><td></td></tr><tr><td>197S00046</td><td>197S00036</td><td></td><td>ALL</td><td>Epson w/ TXC</td></tr><tr><td>197S00047</td><td>197S00036</td><td></td><td>ALL</td><td>Kyocera w/ TXC</td></tr><tr><td>197S00048</td><td>197S00036</td><td></td><td>ALL</td><td>Murata w/ TXC</td></tr><tr><td>197S00053</td><td>197S00050</td><td></td><td>ALL</td><td>Kyocera w/ TXC</td></tr><tr><td>197S00054</td><td>197S00050</td><td></td><td>ALL</td><td>NDK w/ TXC</td></tr><tr><td>197S00055</td><td>197S00050</td><td></td><td>ALL</td><td>Murata w/ TXC</td></tr><tr><td>197S00120</td><td>197S00118</td><td></td><td>ALL</td><td></td></tr><tr><td>311S0426</td><td>311S00007</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00104</td><td>311S00091</td><td>ANY</td><td>ALL</td><td></td></tr><tr><td>311S00156</td><td>311S00129</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00196</td><td>311S00195</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00060</td><td>311S0273</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00121</td><td>311S0398</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00138</td><td>311S0436</td><td></td><td>ALL</td><td></td></tr><tr><td>311S00013</td><td>311S0508</td><td></td><td>ALL</td><td>NXP w/ Diodes</td></tr><tr><td>335S00270</td><td>335S00203</td><td></td><td>ALL</td><td></td></tr><tr><td>335S00213</td><td>335S0888</td><td></td><td>ALL</td><td></td></tr><tr><td>353S00878</td><td>353S00599</td><td></td><td>ALL</td><td></td></tr><tr><td>353S00879</td><td>353S00754</td><td></td><td>ALL</td><td></td></tr><tr><td>353S00750</td><td>353S00877</td><td></td><td>ALL</td><td></td></tr><tr><td>353S01041</td><td>353S01042</td><td></td><td>ALL</td><td></td></tr><tr><td>353S01346</td><td>353S01320</td><td></td><td>ALL</td><td></td></tr><tr><td>353S01506</td><td>353S01404</td><td>ANY</td><td>ALL</td><td></td></tr><tr><td>353S00107</td><td>353S3239</td><td>ANY</td><td>ALL</td><td>Onsemi alt to Intersil</td></tr><tr><td>353S00636</td><td>353S4037</td><td>ANY</td><td>ALL</td><td></td></tr><tr><td>353S00772</td><td>353S4068</td><td></td><td>ALL</td><td></td></tr><tr><td>371S00089</td><td>371S00085</td><td></td><td>ALL</td><td></td></tr></table>								PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:	103S0321	103S0276		ALL		103S00248	103S00247		ALL	8.06K 0.1% RESISTOR	103S00250	103S00249		ALL	18.2K 0.1% RESISTOR	107S0284	107S00021	SENSOR:DEV	ALL	TFT w/ Yageo	107S00101	107S00005	SENSOR:DEV	ALL	Cyntec w/ Yageo	107S00102	107S00017	SENSOR:DEV	ALL	Cyntec w/ Yageo	107S0276	107S00020	SENSOR:DEV	ALL	Cyntec w/ TFT	107S00086	107S00056	ANY	ALL	TFT w/ Cyntec	107S00100	107S00057		ALL	Cyntec w/ TFT	107S00103	107S00058	SENSOR:DEV	ALL	Cyntec w/ Yageo	107S00070	107S0085		ALL	100K THERMISTOR	132S00202	132S00175		ALL		138S00084	138S00060		ALL		138S00117	138S00071		ALL		138S0714	138S0713		ALL	Murata w/ Samsung	138S0715	138S0732		ALL	Murata w/ Samsung	138S0706	138S0739		ALL	NEC w/ Vishay	138S0945	138S0739		ALL	NEC w/ Rohm	138S00049	138S0831	ANY	ALL		138S00006	138S0835		ALL		138S00086	138S0884		ALL		138S00104	138S0978		ALL	Murata w/ Taiyo	138S00056	138S1100		ALL		152S00369	152S00268		ALL	Cyntec w/ NEC	152S00403	152S00322		ALL	Murata w/ Chillisin	152S00864	152S00851		ALL		152S00434	152S1829		ALL		155S0665	155S00232		ALL		155S00166	155S0391		ALL		155S00018	155S0664		ALL	Murata w/ Taiyo	155S00007	155S0667		ALL		155S0914	155S0897		ALL		155S00190	155S0897		ALL		197S00046	197S00036		ALL	Epson w/ TXC	197S00047	197S00036		ALL	Kyocera w/ TXC	197S00048	197S00036		ALL	Murata w/ TXC	197S00053	197S00050		ALL	Kyocera w/ TXC	197S00054	197S00050		ALL	NDK w/ TXC	197S00055	197S00050		ALL	Murata w/ TXC	197S00120	197S00118		ALL		311S0426	311S00007		ALL		311S00104	311S00091	ANY	ALL		311S00156	311S00129		ALL		311S00196	311S00195		ALL		311S00060	311S0273		ALL		311S00121	311S0398		ALL		311S00138	311S0436		ALL		311S00013	311S0508		ALL	NXP w/ Diodes	335S00270	335S00203		ALL		335S00213	335S0888		ALL		353S00878	353S00599		ALL		353S00879	353S00754		ALL		353S00750	353S00877		ALL		353S01041	353S01042		ALL		353S01346	353S01320		ALL		353S01506	353S01404	ANY	ALL		353S00107	353S3239	ANY	ALL	Onsemi alt to Intersil	353S00636	353S4037	ANY	ALL		353S00772	353S4068		ALL		371S00089	371S00085		ALL														
PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:																																																																																																																																																																																																																																																																																																																																		
103S0321	103S0276		ALL																																																																																																																																																																																																																																																																																																																																			
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SS&amp;Taiyo</td></tr><tr><td>138S0660</td><td>138S0684</td><td></td><td>ALL</td><td></td></tr><tr><td>138S0689</td><td>138S0701</td><td></td><td>ALL</td><td></td></tr><tr><td>138S1103</td><td>138S0719</td><td></td><td>ALL</td><td></td></tr><tr><td>155S0694</td><td>155S0387</td><td></td><td>ALL</td><td></td></tr><tr><td>155S0660</td><td>155S0513</td><td></td><td>ALL</td><td></td></tr><tr><td>155S00034</td><td>155S0706</td><td></td><td>ALL</td><td>Taiyo w/ Murata</td></tr><tr><td>155S00203</td><td>155S0894</td><td></td><td>ALL</td><td></td></tr><tr><td>311S0271</td><td>311S00008</td><td></td><td>ALL</td><td></td></tr></table> <div>BLC</div> <table><tr><th>PART NUMBER</th><th>ALTERNATE FOR PART NUMBER</th><th>BOM OPTION</th><th>REF DES</th><th>COMMENTS:</th></tr><tr><td>107S00033</td><td>107S00034</td><td></td><td>ALL</td><td></td></tr><tr><td>138S0738</td><td>138S1101</td><td></td><td>ALL</td><td>Samsung alt to 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DES	COMMENTS:	138S0700	138S0641		ALL	Murata w/ SS&Taiyo	138S0660	138S0684		ALL		138S0689	138S0701		ALL		138S1103	138S0719		ALL		155S0694	155S0387		ALL		155S0660	155S0513		ALL		155S00034	155S0706		ALL	Taiyo w/ Murata	155S00203	155S0894		ALL		311S0271	311S00008		ALL		PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:	107S00033	107S00034		ALL		138S0738	138S1101		ALL	Samsung alt to Murata	138S0846	138S0811		ALL	Samsung alt to Murata	152S00359	152S00253		ALL	Chillisin alt to Cyntec	353S01615	353S4160		ALL	Aizu alt to Maine	371S00180	371S00077		ALL	NXP alt to Diodes	376S1053	376S0604		ALL	Diodes alt to Fairchild	376S1106	376S0678		ALL	Fairchild alt to Vishay	740S00041	740S0159		ALL		PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF 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Vishay	152S00388	152S00182		ALL		152S00703	152S00182		ALL		152S00383	152S00198		ALL		152S00680	152S00198		ALL		152S00398	152S00204		ALL		152S00841	152S00238		ALL		152S00765	152S00239		ALL		152S00368	152S00269		ALL		152S00724	152S00311		ALL		152S00786	152S00344		ALL		152S00725	152S00590		ALL		152S00726	152S00592		ALL		152S00707	152S00689		ALL		311S0596	311S0593		ALL	NXP w/ Diodes	311S00192	311S00191		ALL		311S00193	311S00191		ALL		353S00831	353S00519		ALL		353S00796	353S00497		ALL		353S00832	353S00525		ALL		376S00303	376S00012		ALL		376S00204	376S00203		ALL		376S00226	376S00203		ALL		376S00227	376S00203		ALL		376S00302	376S1038		ALL		376S00281	376S1147		ALL		376S00007	376S1179		ALL		376S00228	376S1179		ALL		376S00304	376S1187		ALL		740S0144	740S0118		ALL		740S00028	740S0118		ALL									
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<rdar://component/XXXXXX> J132 HW EE SI | Proto 0

Other Info:

Page Allocations - <rdar://problem/19817053> 2015 Schematic Page Allocations

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