

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.

M39

-

DVT

11/16/05

REV	ZONE	ECN	DESCRIPTION OF CHANGE	CK APPD DATE	ENG APPD DATE
06		400374	ENGINEERING RELEASED	09/16/05	06/22/04

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JH

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JH

JH

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DIMENSIONS ARE IN MILLIMETERS


XX : _____

X.XX : _____

X.XXX : _____

ANGLES : _____


DO NOT SCALE DRAWING



THIRD ANGLE PROJECTION

METRIC

DRAFTER	/	DESIGN CR	/
ENG APPD	/	MFG APPD	/
QA APPD	/	DESIGNER	/
RELEASE	/	SCALE	NONE
MATERIAL/FINISH NOTED AS APPLICABLE		SIZE	D

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SCHEM, M39

DRAWING NUMBER 051-6950 REV. 06

SMT 1 OF 111

8

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6

5

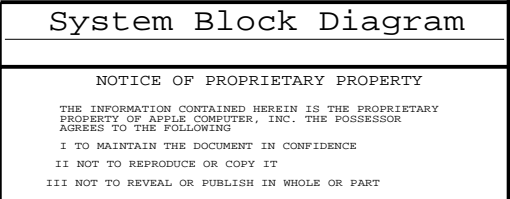
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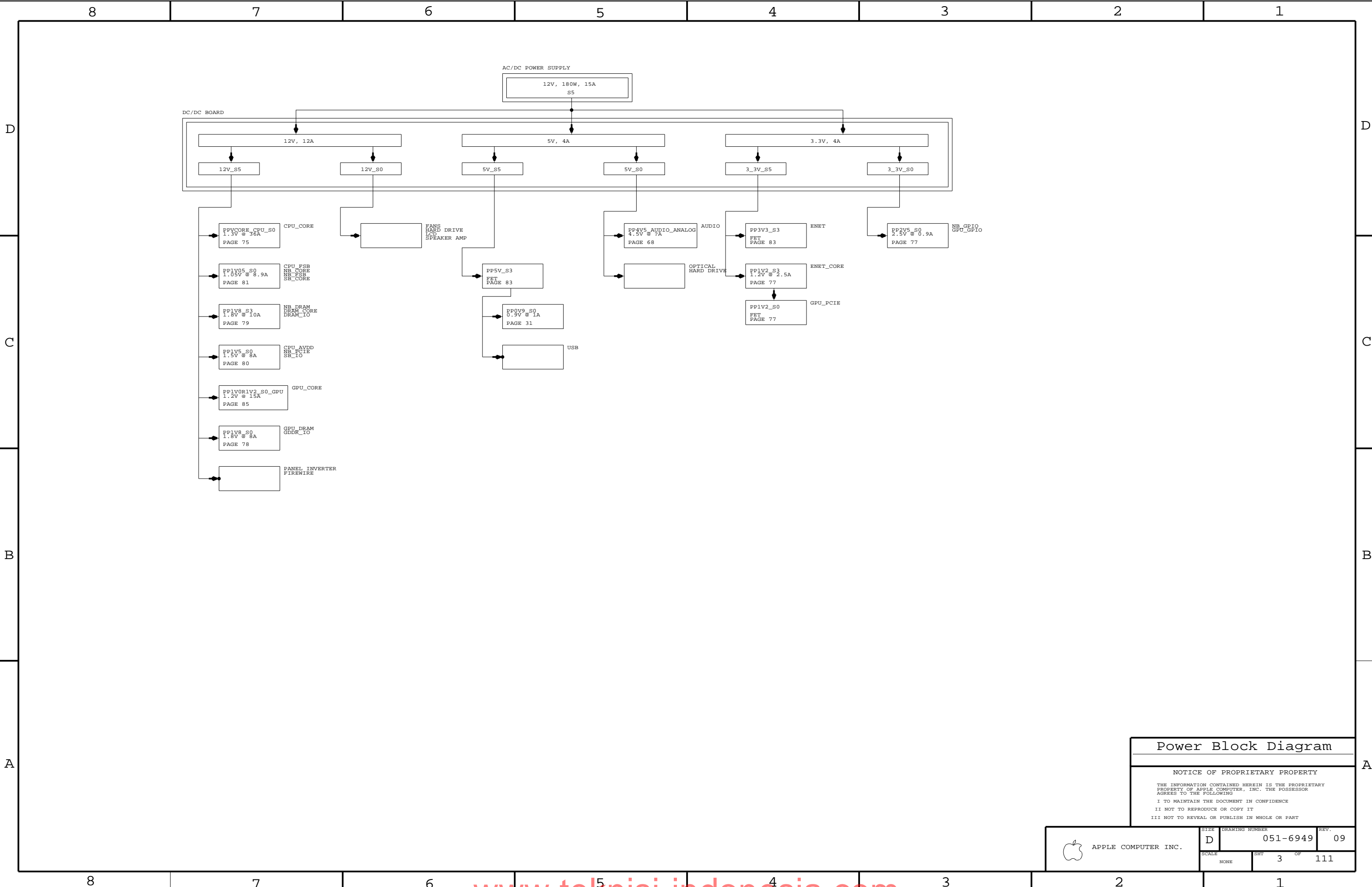
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1

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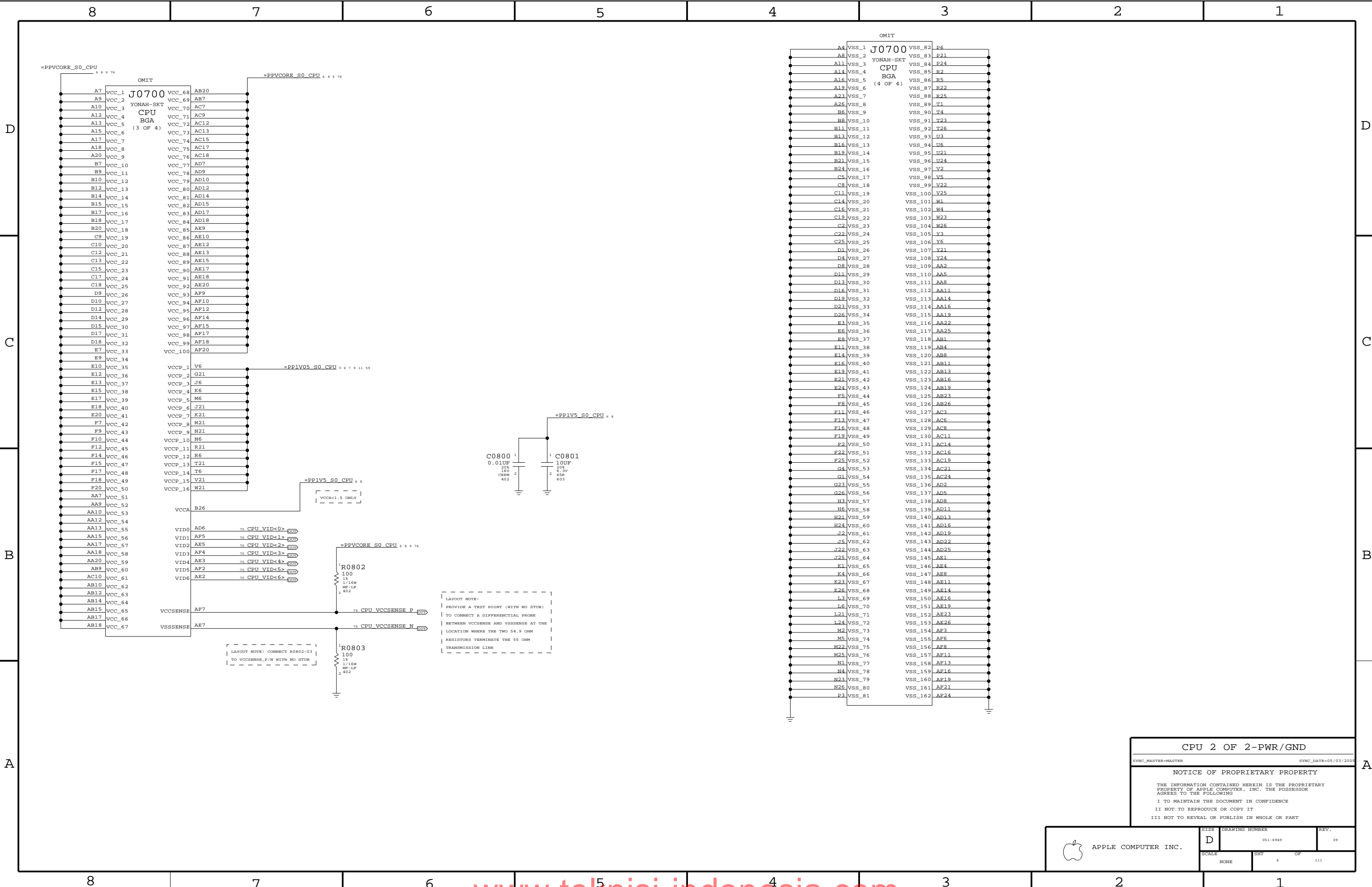


Power Block Diagram

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	D	051-6949	09
SCALE		SHT	OF
NONE		3	111

8	7	6	5	4	3	2	1
COMMON							
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION		
511S0025	1	IC,CPU-SKT,479BGA	J0700	CRITICAL			
338S0269	1	IC,945GM,NORTHBRIDGE	U1200	CRITICAL			
343S0385	1	IC,SB,652BGA	U2100	CRITICAL			
742-0048	1	BAT,COIN,3V,220MAH,CR2032	BT2600	CRITICAL			
359S0101	1	IC,CY28445-5,CLK GEN,68PIN QFP	U3301	CRITICAL			
338S0270	1	IC,88E053,GIGABIT ENET XCVR,64P QFN MD	U4101	CRITICAL			
341S1797	1	IC,ENET LAN ROM	U4102	CRITICAL			
338S0279	1	IC,FW32306,1394A LINK,TQFP	U4400	CRITICAL			
338S0274	1	IC,SMC,H58/2116,BLANK	U5800	CRITICAL			
341S1789	1	IC,TPM,TSSOP,28P	U6700	CRITICAL	LEMENU		
353S1235	1	IC,CPU VREG,IMVP,TWO PHASE	U7500	CRITICAL			
338S0266	1	IC,ATI,M56P,GRAFIX CTLR,880BGA,LF	U8400	CRITICAL	ATI_B24		
338S0305	1	IC,ATI,M56P,GRAFIX CTLR,880BGA,LF	U8400	CRITICAL	ATI_A24		
128S0078	3	CAP,EL,AL,330UF,20%,16V,10X12.7MM,SMC,LF	C7517,C7518,C7910	CRITICAL			
(335S0382)							
PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:			
126S0096	126S0076		C7801	SANYO W16CE680EX 680UF 16V	LF		
126S0086	126S0078		C699,C940,C1900,C1901,C1968	SANYO W6CE330FS 330UF 6.3V	LF		
128S0080	128S0078		C7517,C7518,C7910	SANYO 168VP330W 330UF 16V	SMD LF		
197S0177	197S0020		Y4101	XTAL,25MHZ,50PPM,16PF,3.2X2.5	SMD,LF		
338S0302	338S0266		U8400	IC,ATI,M36D,GRAFIX CTLR,880BGA,LF			
M38							
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION		
051-6949	1	PCB,SCHEM,MLB,M38	SCH1		17_INCH_LCD		
820-1919	1	PCB,FAB,MLB,M38	MLB1		17_INCH_LCD		
341T0003	1	EFI ROM,M38	U6301	CRITICAL	17_INCH_LCD		
337S3241	1	M38/M39 LOW-SPEED CPU (QINY)	CPU	CRITICAL	CPU_M38		
337S3242	1	M00-SPEED CPU (QINZ)	CPU	CRITICAL	CPU_M00		
(335S0384)							
M39							
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION		
051-6950	1	PCB,SCHEM,MLB,M39	SCH1		20_INCH_LCD		
820-1888	1	PCB,FAB,MLB,M39	MLB1		20_INCH_LCD		
341T0004	1	EFI ROM,M39	U6301	CRITICAL	20_INCH_LCD		
337S3243	1	M39 HI-SPEED CPU (QHJG)	CPU	CRITICAL	CPU_M39		
(335S0384)							
M38 / M39							
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION		
333S0354	4	IC,SGRAM,GDDR3,8MX32,700MHZ,136FBGA	U8900,U8950,U9000,U9050	CRITICAL	ATI_FB_128M_SAMSUNG		
333S0358	4	IC,SGRAM,GDDR3,8MX32,700MHZ,136FBGA	U8900,U8950,U9000,U9050	CRITICAL	ATI_FB_128M_HYNIX		
M39 - CTO							
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION		
333S0350	4	IC,SGRAM,GDDR3,16MX32,700MHZ,136FBGA	U8900,U8950,U9000,U9050	CRITICAL	ATI_FB_256M_SAMSUNG		
333S0351	4	IC,SGRAM,GDDR3,16MX32,700MHZ,136FBGA	U8900,U8950,U9000,U9050	CRITICAL	ATI_FB_256M_HYNIX		
Table Items							
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					NONE	4	111
8	7	6	5	4	3	2	1



CPU 2 OF 2-PWR/GND

SYNC_MASTER=MASTER

SYNC_DATE=05/03/2005

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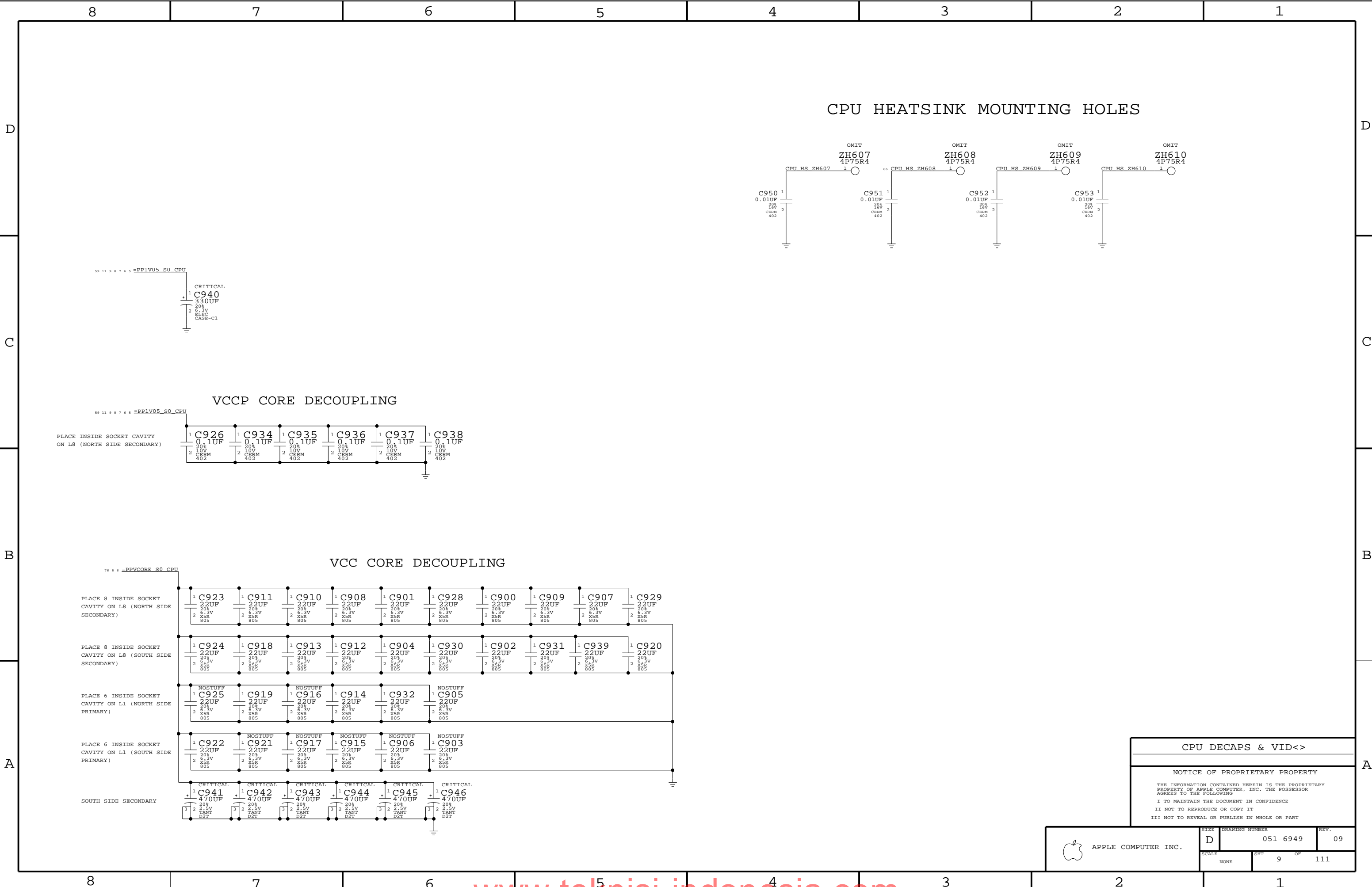
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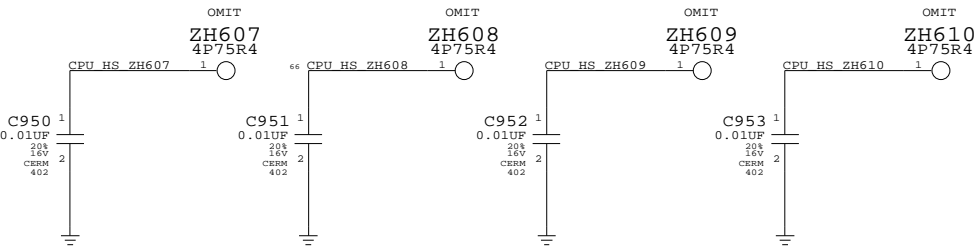
051-6949

REV. 09

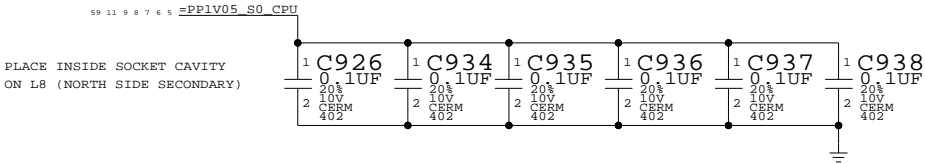
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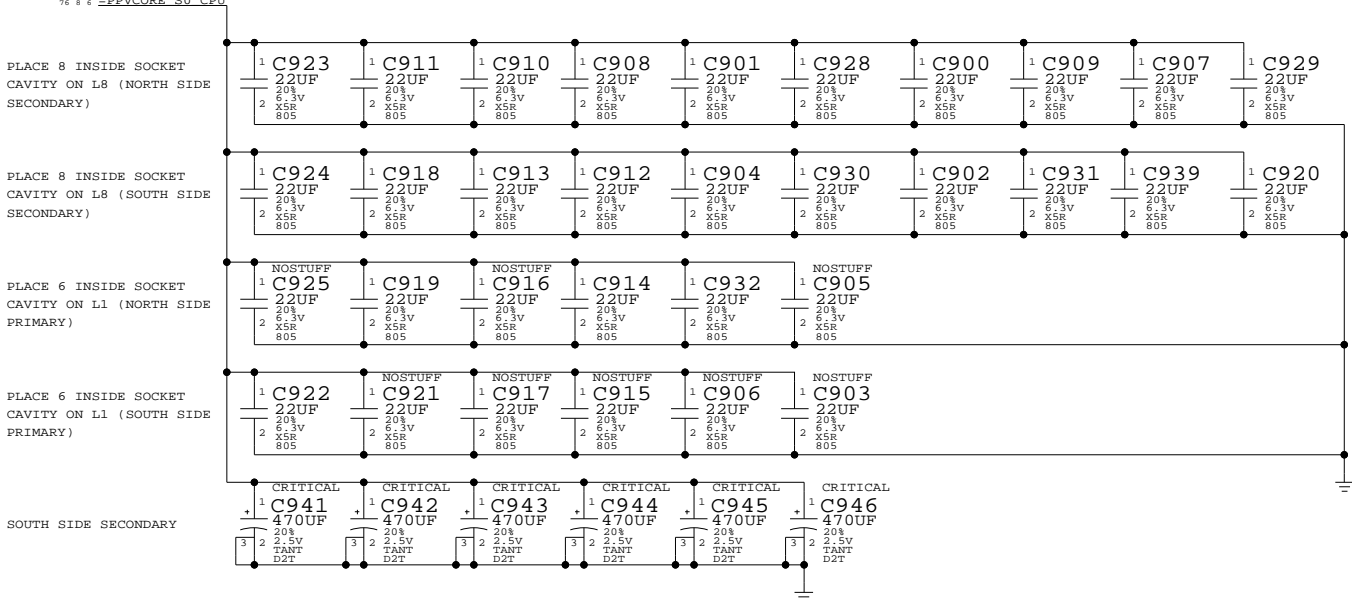
CPU HEATSINK MOUNTING HOLES



VCCP CORE DECOUPLING



VCC CORE DECOUPLING

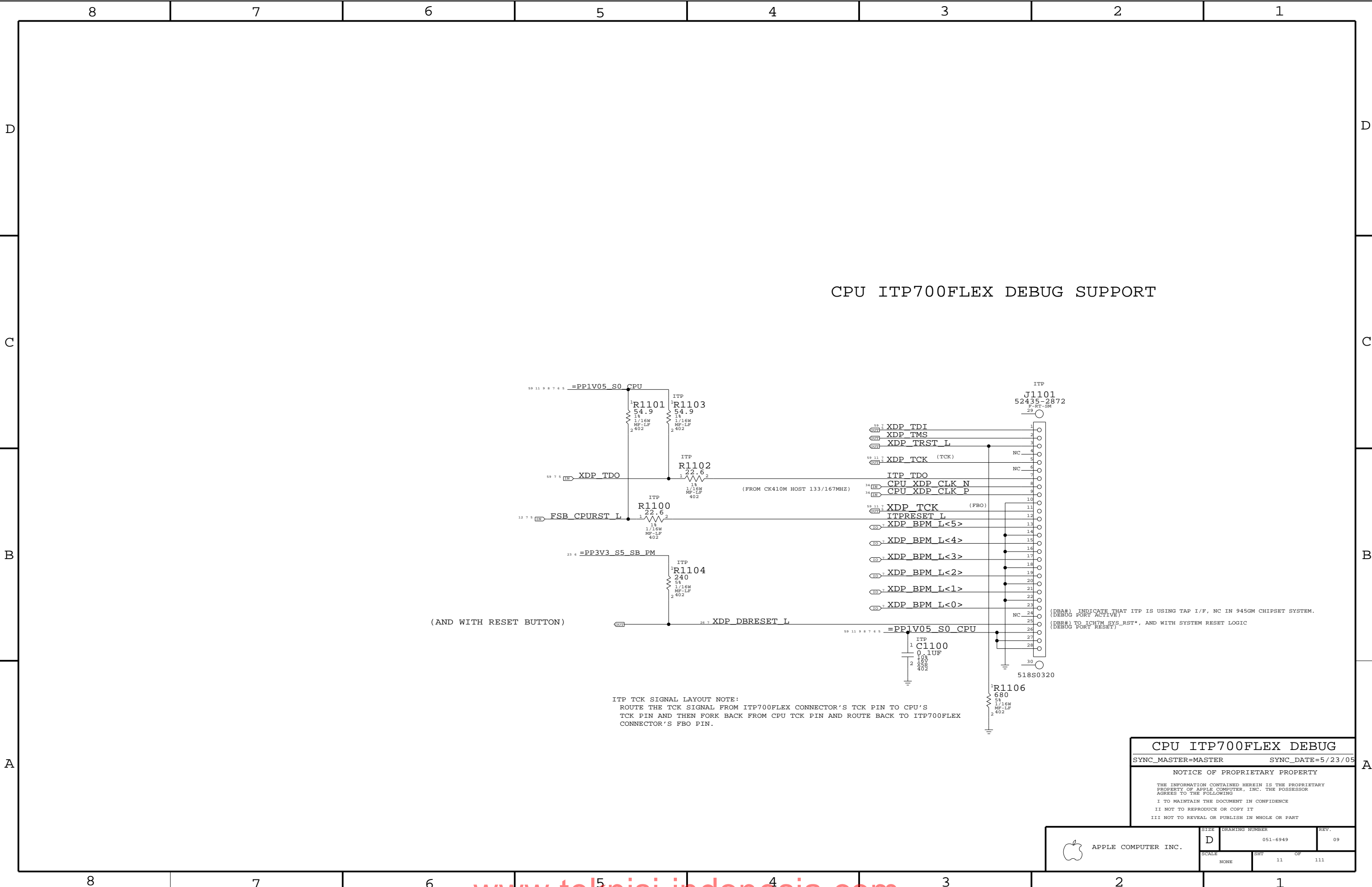


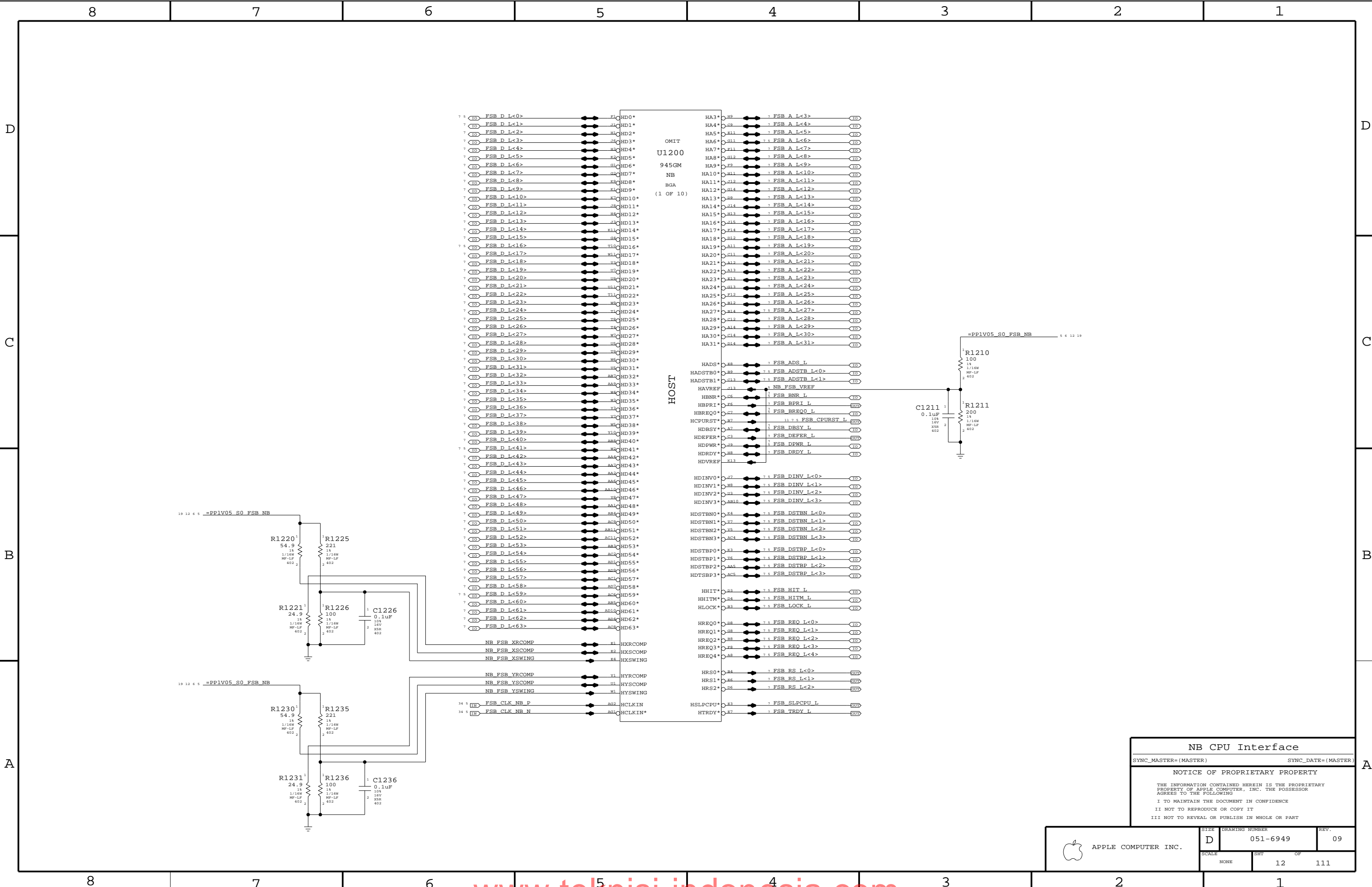
CPU DECAPS & VID<>

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SCALE		SHT	
NONE		9 OF 111	





NB CPU Interface

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

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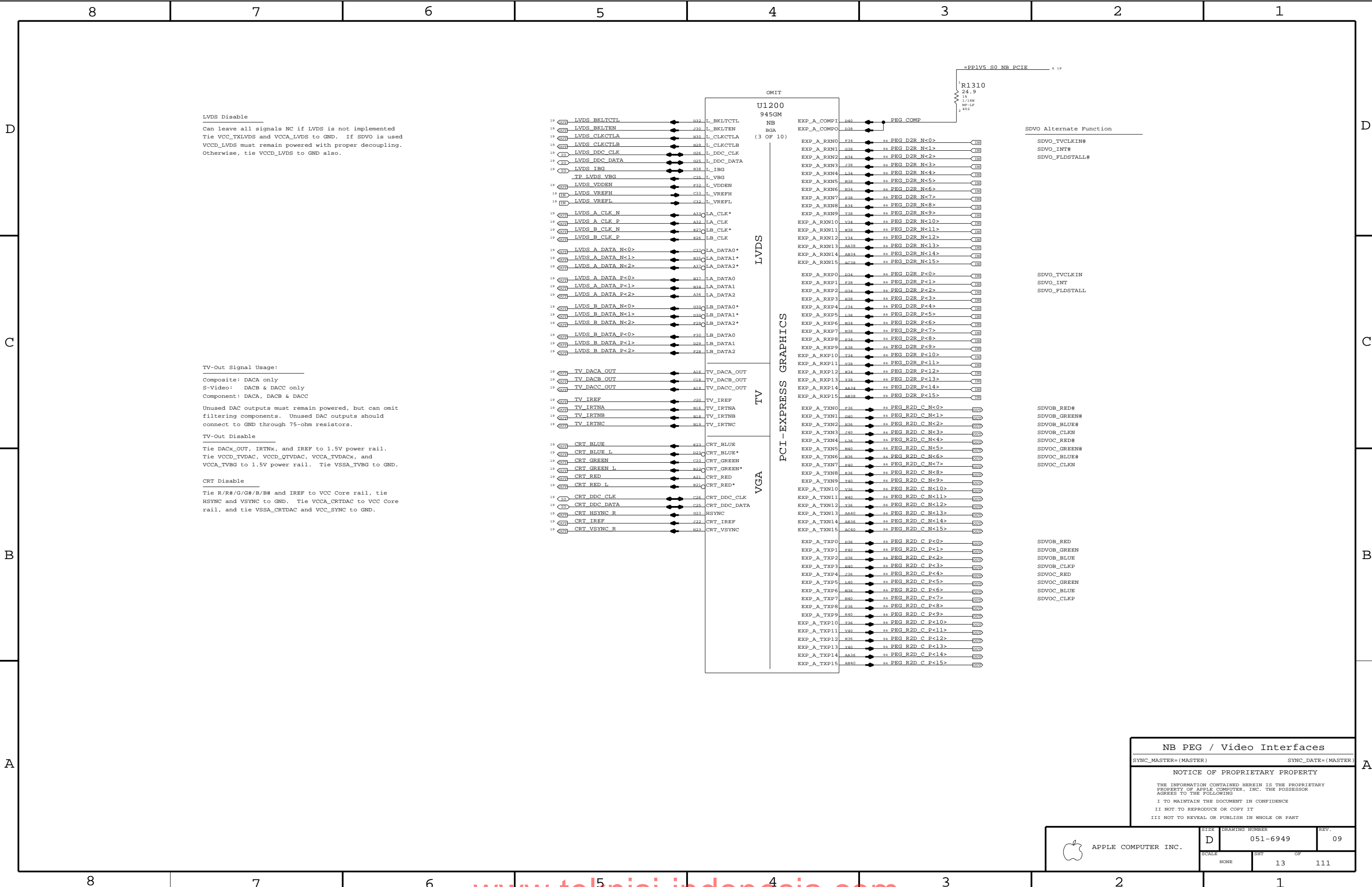
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NONE		12	111



LVDS Disable

Can leave all signals NC if LVDS is not implemented
Tie VCC_TXLVDS and VCCA_LVDS to GND. If SDVO is used
VCCD_LVDS must remain powered with proper decoupling.
Otherwise, tie VCCD_LVDS to GND also.

TV-Out Signal Usage:

Composite: DACA only
S-Video: DACB & DACC only
Component: DACA, DACB & DACC

Unused DAC outputs must remain powered, but can omit
filtering components. Unused DAC outputs should
connect to GND through 75-ohm resistors.

TV-Out Disable

Tie DACx_OUT, IRTNx, and IREF to 1.5V power rail.
Tie VCCD_TVDAC, VCCD_QTVDAC, VCCA_TVDACx, and
VCCA_TVVBG to 1.5V power rail. Tie VSSA_TVVBG to GND.

CRT Disable

Tie R/R#/G/G#/B/B# and IREF to VCC Core rail, tie
HSYNC and VSYNC to GND. Tie VCCA_CRTDAC to VCC Core
rail, and tie VSSA_CRTDAC and VCC_SYNC to GND.

SDVO Alternate Function

SDVO_TVCLKIN#
SDVO_INT#
SDVO_FLDSTALL#

SDVO_TVCLKIN
SDVO_INT
SDVO_FLDSTALL

SDVOB_RED#
SDVOB_GREEN#
SDVOB_BLUE#
SDVOB_CLKN
SDVOC_RED#
SDVOC_GREEN#
SDVOC_BLUE#
SDVOC_CLKN

SDVOB_RED
SDVOB_GREEN
SDVOB_BLUE
SDVOB_CLKP
SDVOC_RED
SDVOC_GREEN
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SDVOC_CLKP

NB PEG / Video Interfaces

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SYNC_DATE=(MASTER)

NOTICE OF PROPRIETARY PROPERTY

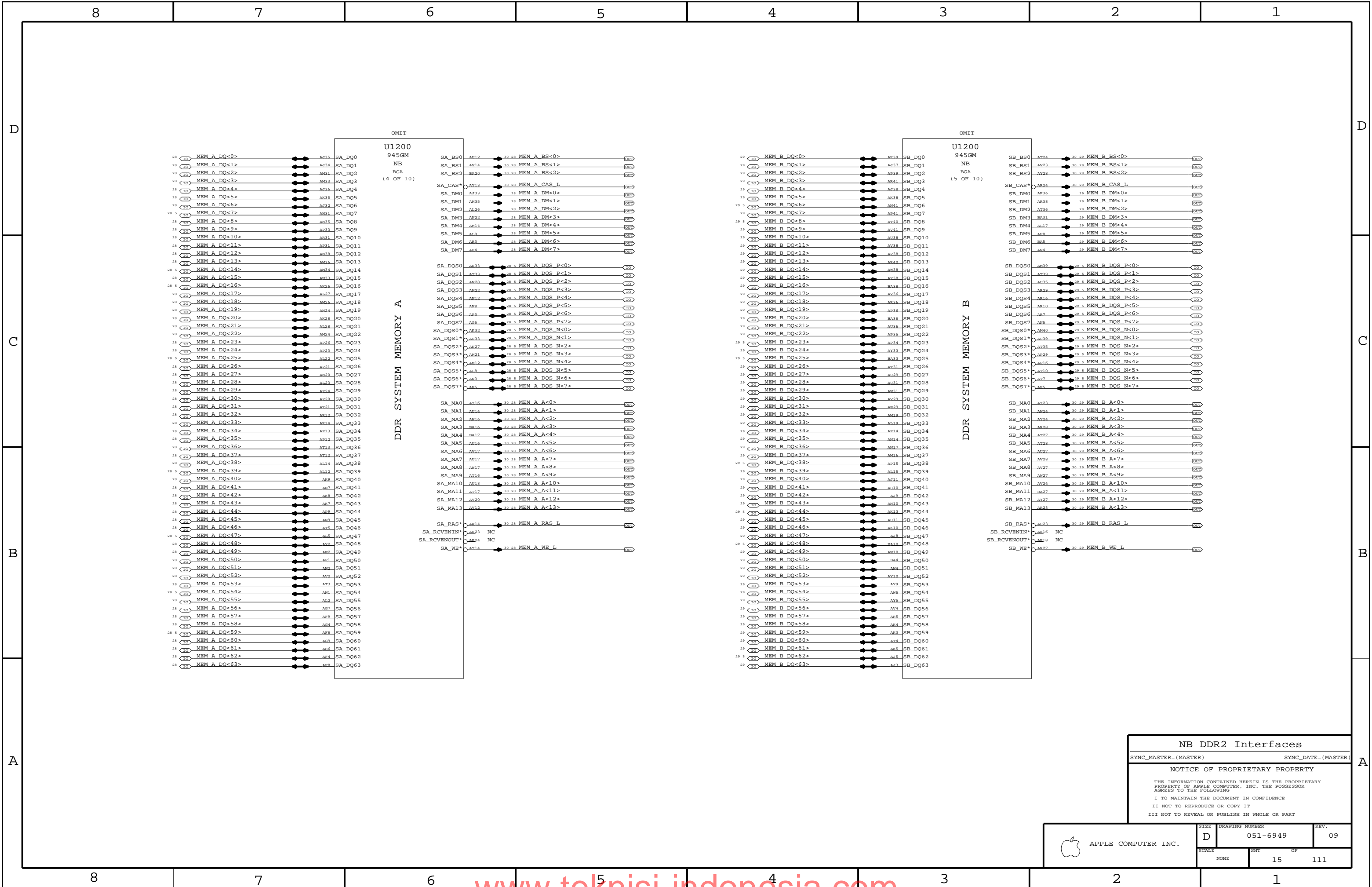
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NONE		13	111



NB DDR2 Interfaces

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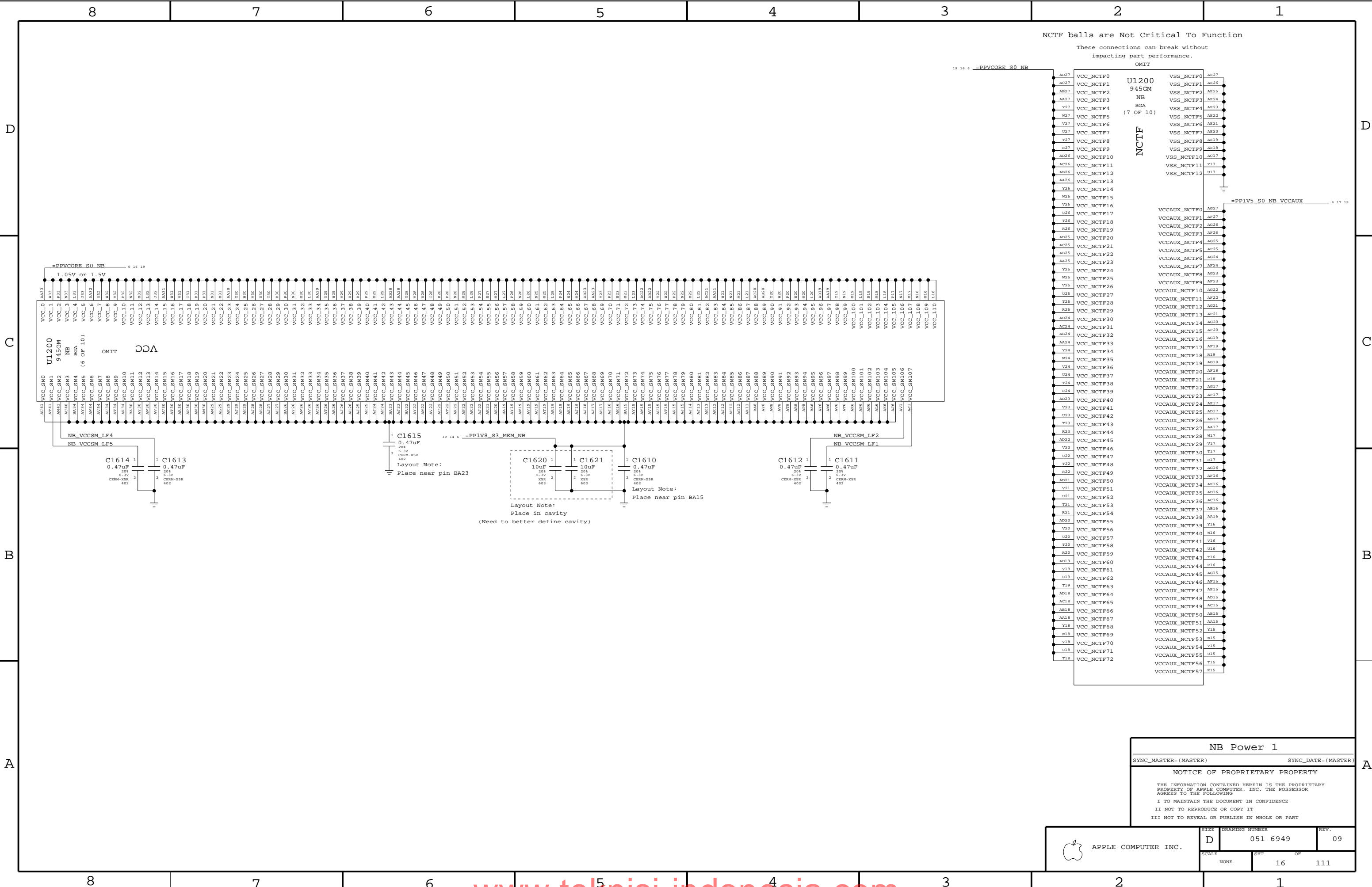
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NB Power 1

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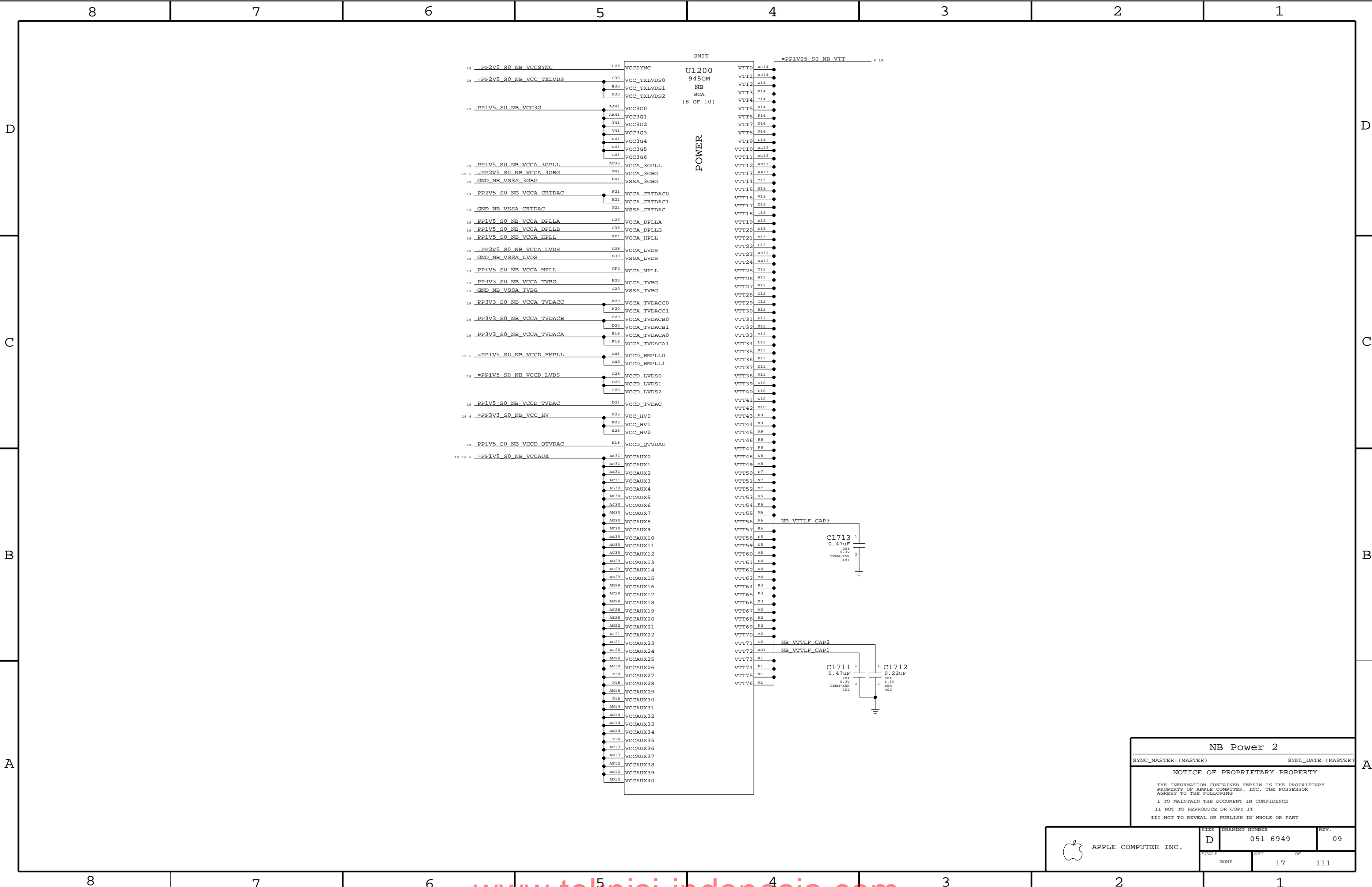
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NB Power 2

SYNC_MASTER=(MASTER)SYNC_DATE=(MASTER)

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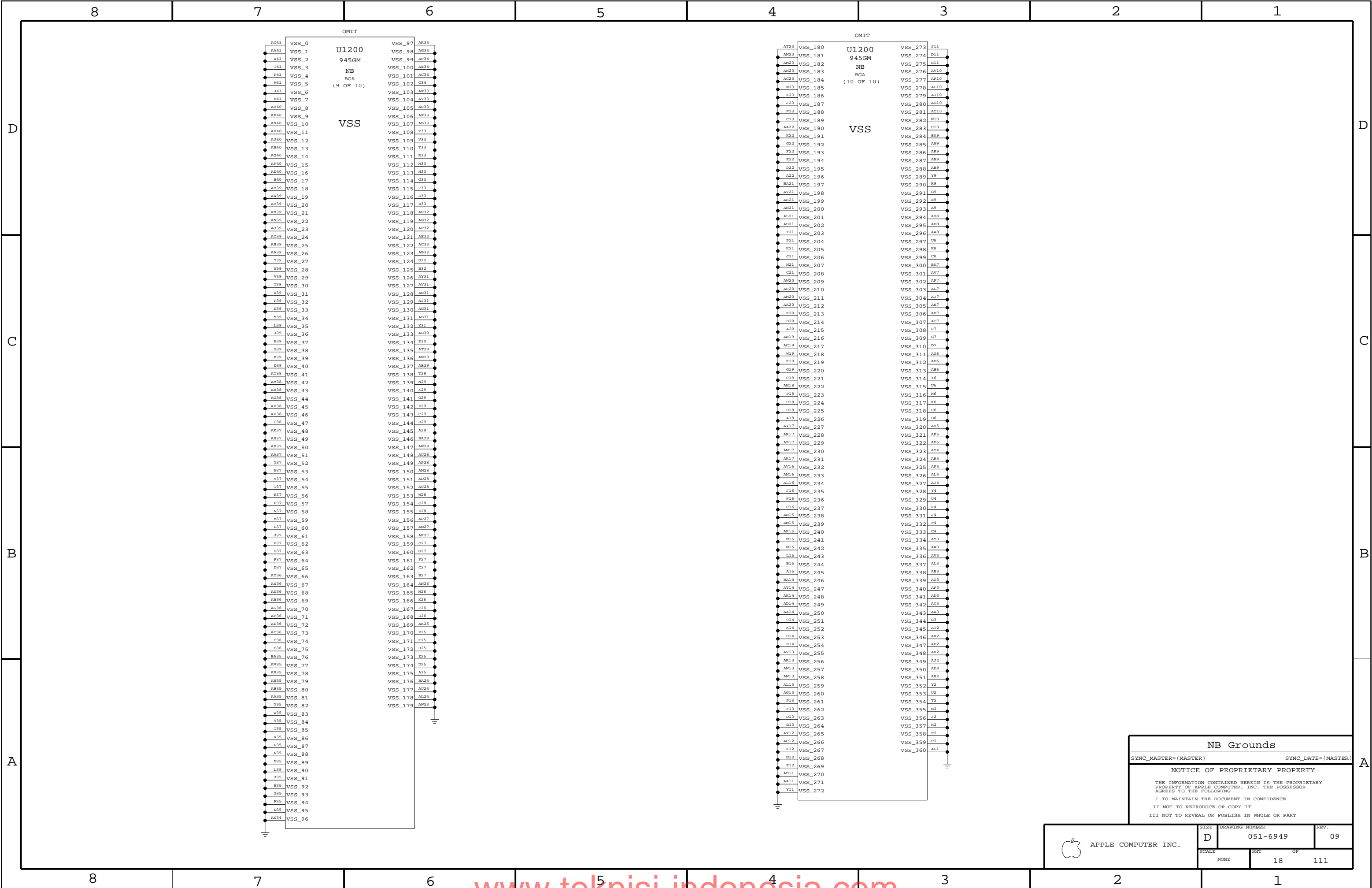
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NB Grounds

SYNC_MASTER=(MASTER)

SYNC_DATE=(MASTER)

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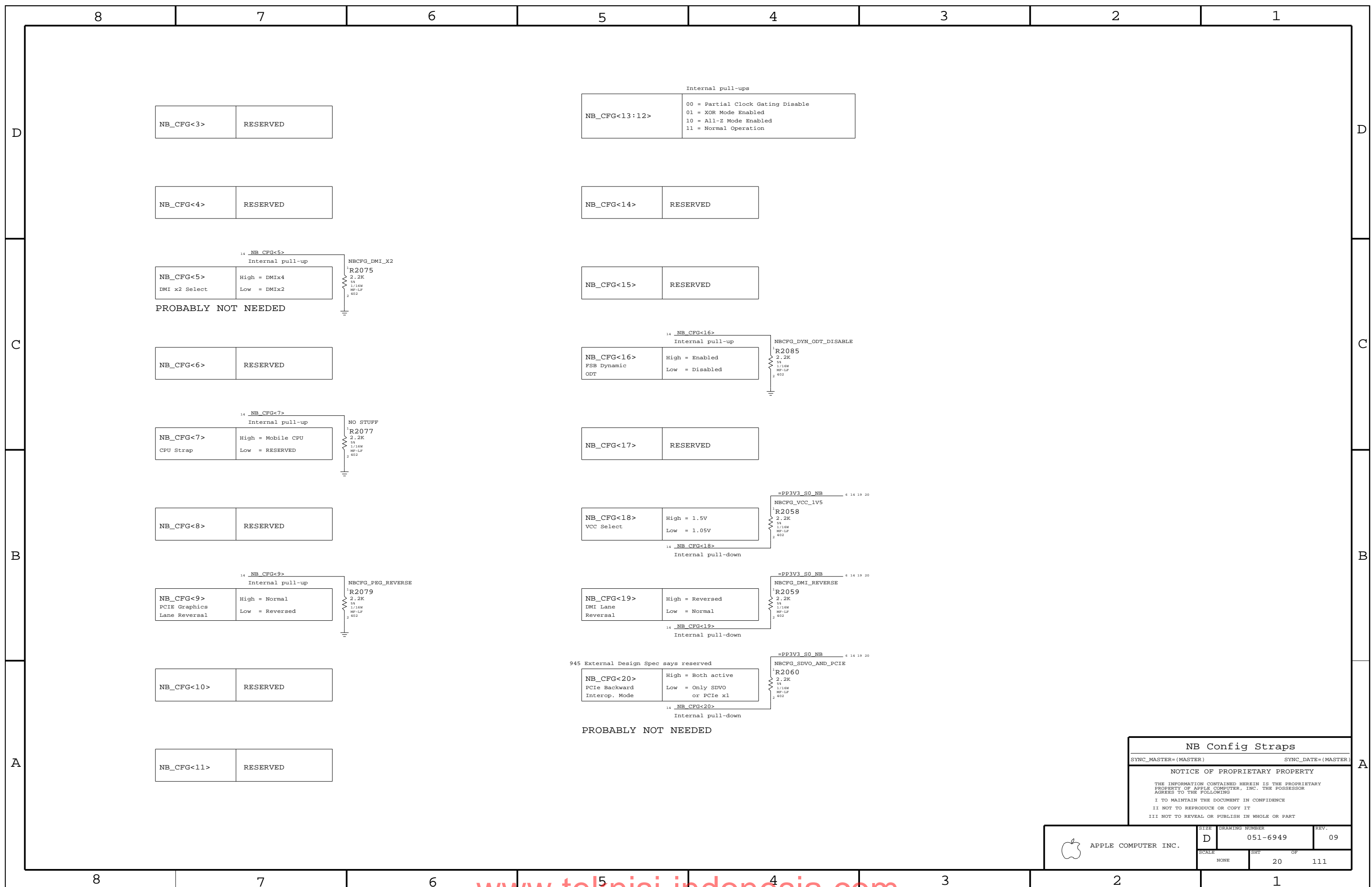
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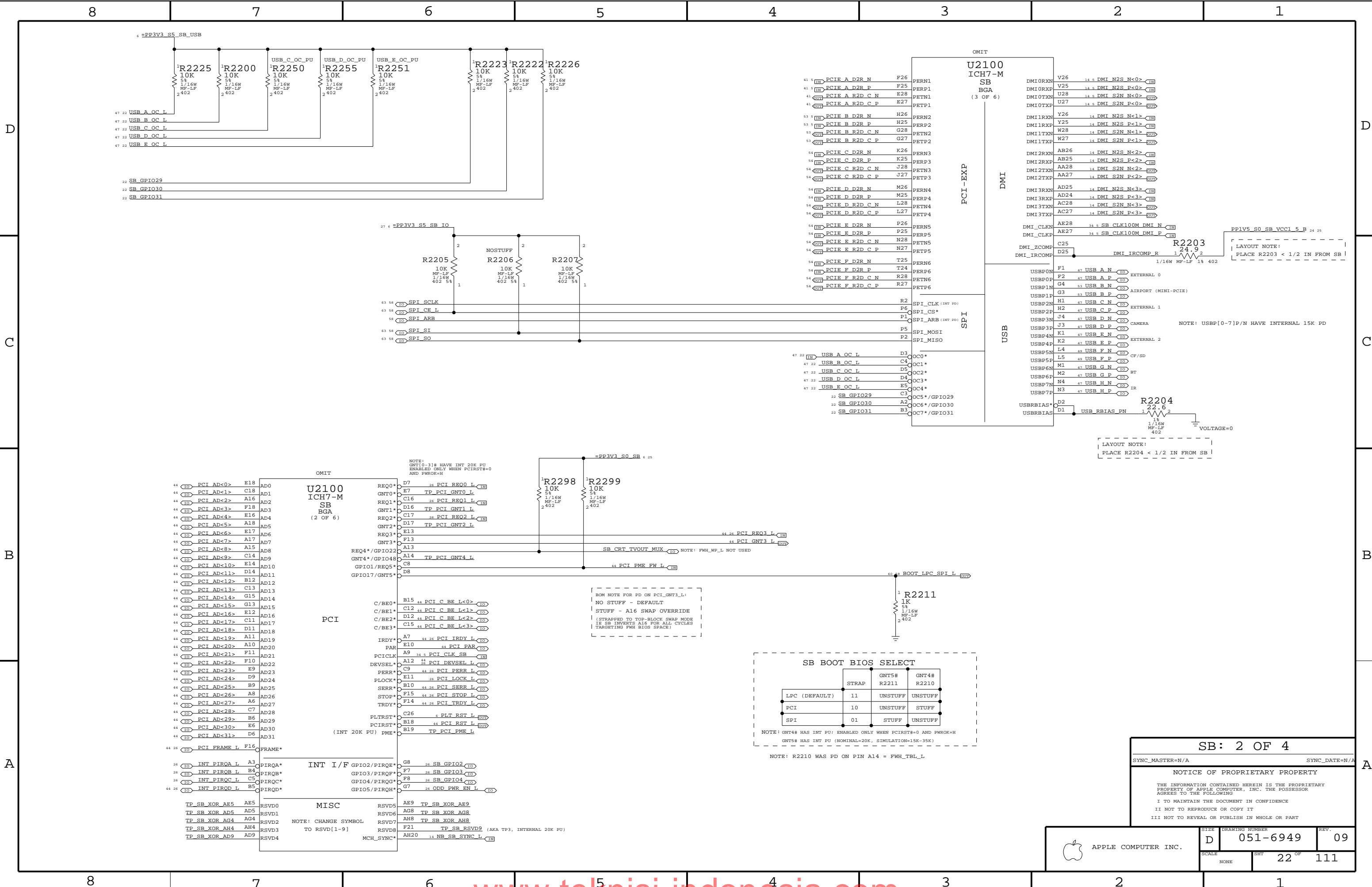
III NOT TO REVEAL OR PUBLISH IN WHOLE OR PART

APPLE COMPUTER INC.	DRAWING NUMBER		REV.
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SCALE		SHT OF	
NONE		18 111	

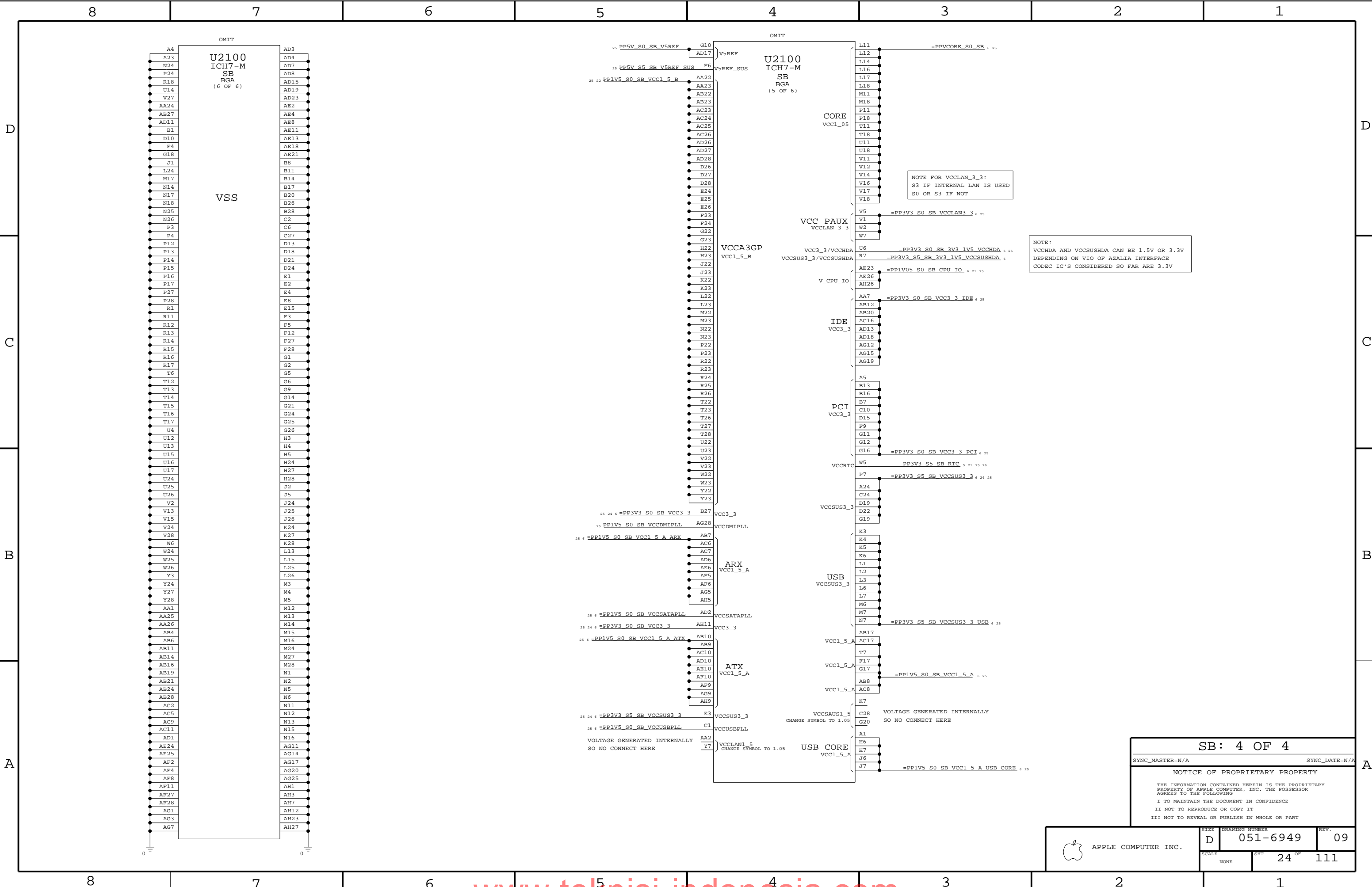


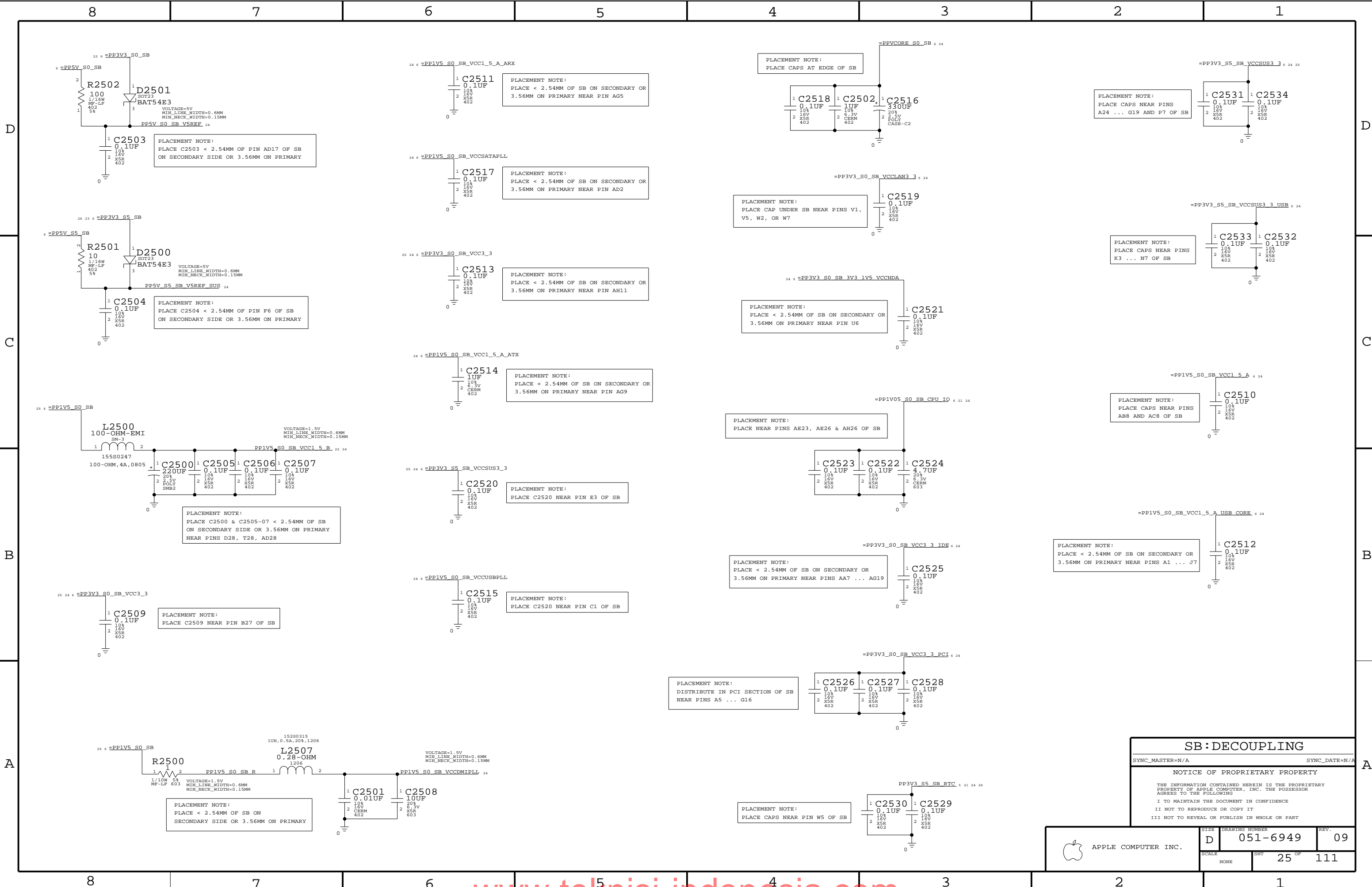


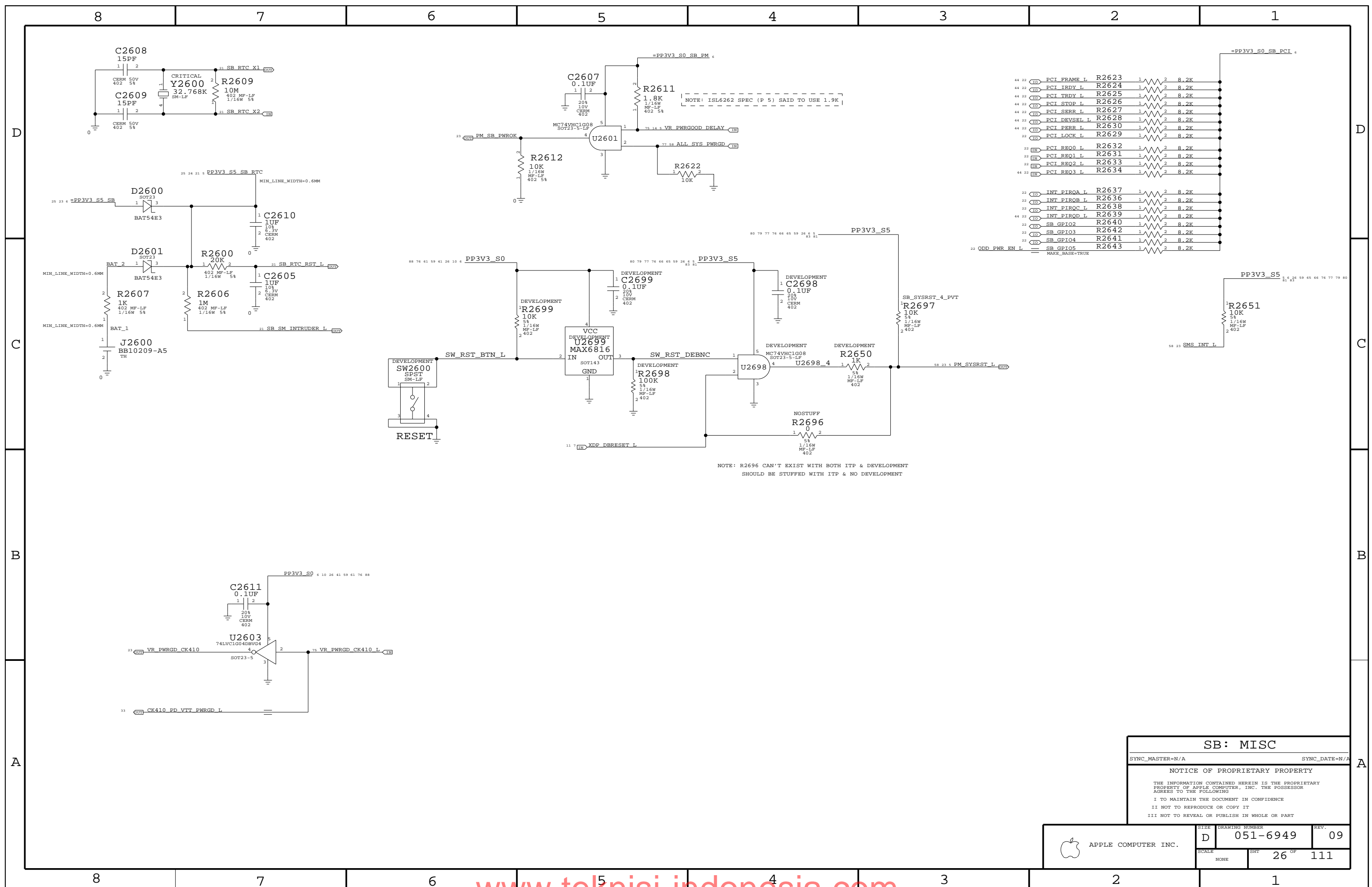


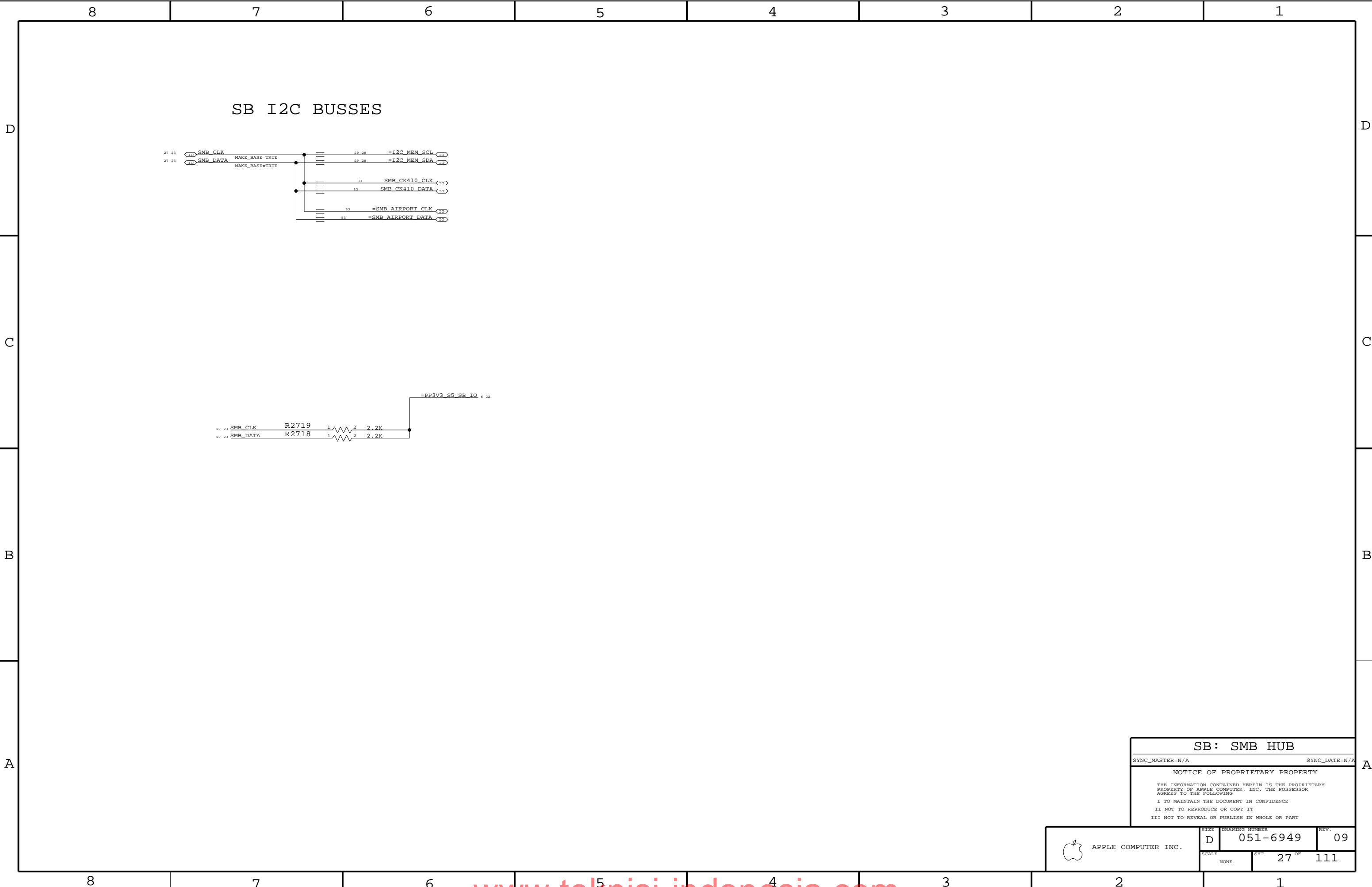












Page Notes

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- =PPSPD_S0_MEM (2.5V - 3.3V)

Signal aliases required by this page:

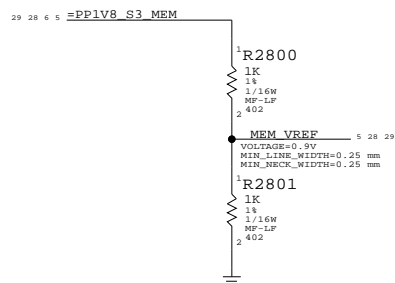
- =I2C_MEM_SCL
- =I2C_MEM_SDA

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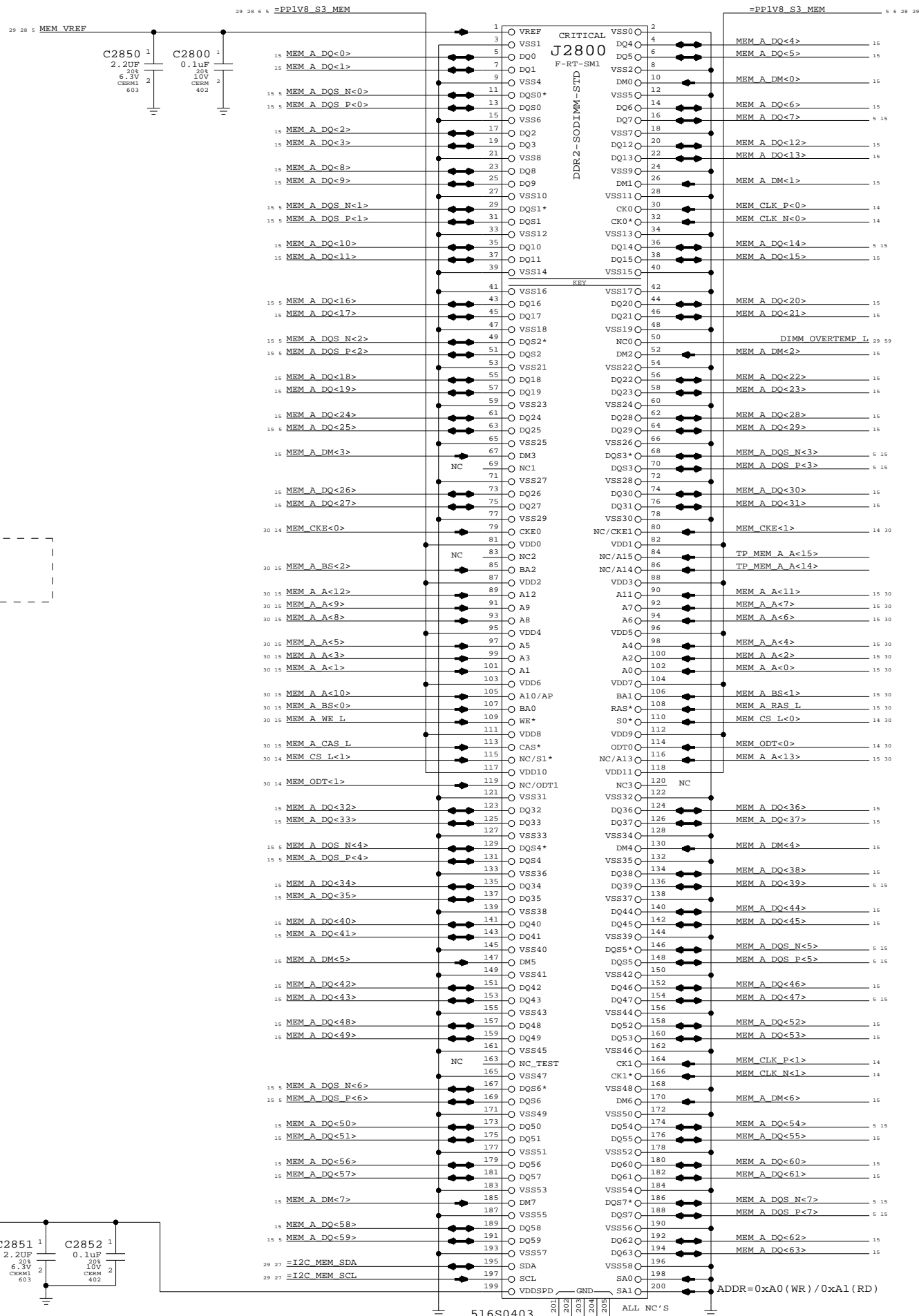
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DDR2 VRef

One 0.1uF per connector

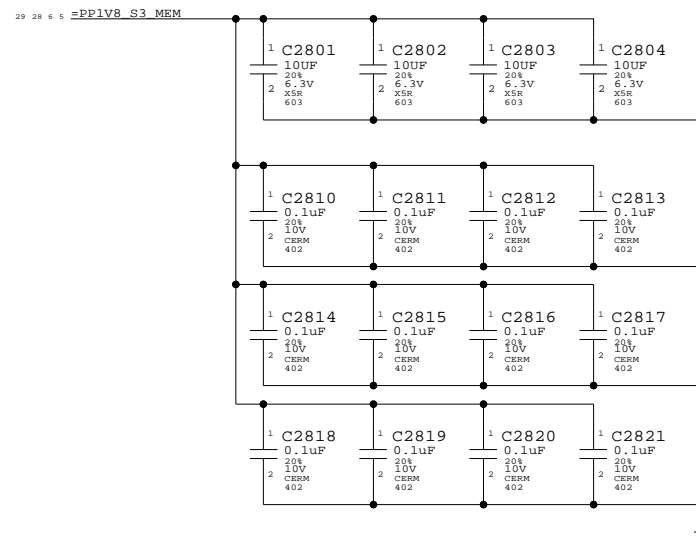


Yellow uses 10K divider and TLV2463
to drive MCH and DIMM connectors.
(See Capell Valley pg 47)



DDR2 Bypass Caps

(For return current)



DDR2 SO-DIMM Connector A

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

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APPLE COMPUTER INC.

SIZE: DRAWING NUMBER: REV.

D 051-6949 09

SCALE: NONE SHT: 28 OF 111

Power aliases required by this page:

- =PP5V_S0_MEMVTT
- =PP1V8_S0_MEMVTT
- =PP0V9_S0_MEMVTT_LDO

Signal aliases required by this page:

(NONE)

BOM options provided by this page:

(NONE)

e =PP5V_S0_MEMVTT
 MEMVTT_EN_PU
 R3100
 1K
 1%
 1/16W
 MF-LP
 402
 2
 1
 C3100
 1uF
 10%
 6.3V
 CDM
 402
 2
 1
 C3101
 10uF
 20%
 6.3V
 XSR
 603
 2
 1
 C3110
 0.1uF
 20%
 10V
 CDM
 402
 2
 1
 R3101
 220
 5%
 1/16W
 MF-LP
 402
 1
 2
 U3100
 VDDQ
 1
 2
 C3109
 2.2uF
 10%
 6.3V
 CDM
 603
 1
 2
 79
 MEMVTT_EN
 2
 VTT_IN
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 VTT
 GND
 1
 3
 4
 MEMVTT_VREF
 10uF
 20%
 6.3V
 XSR
 603
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 =PP0V9_S0_MEMVTT_LDO
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 C3105
 150uF
 20%
 6.3V
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SYNC_MASTER= (MASTER)	SYNC_DATE= (MASTER)
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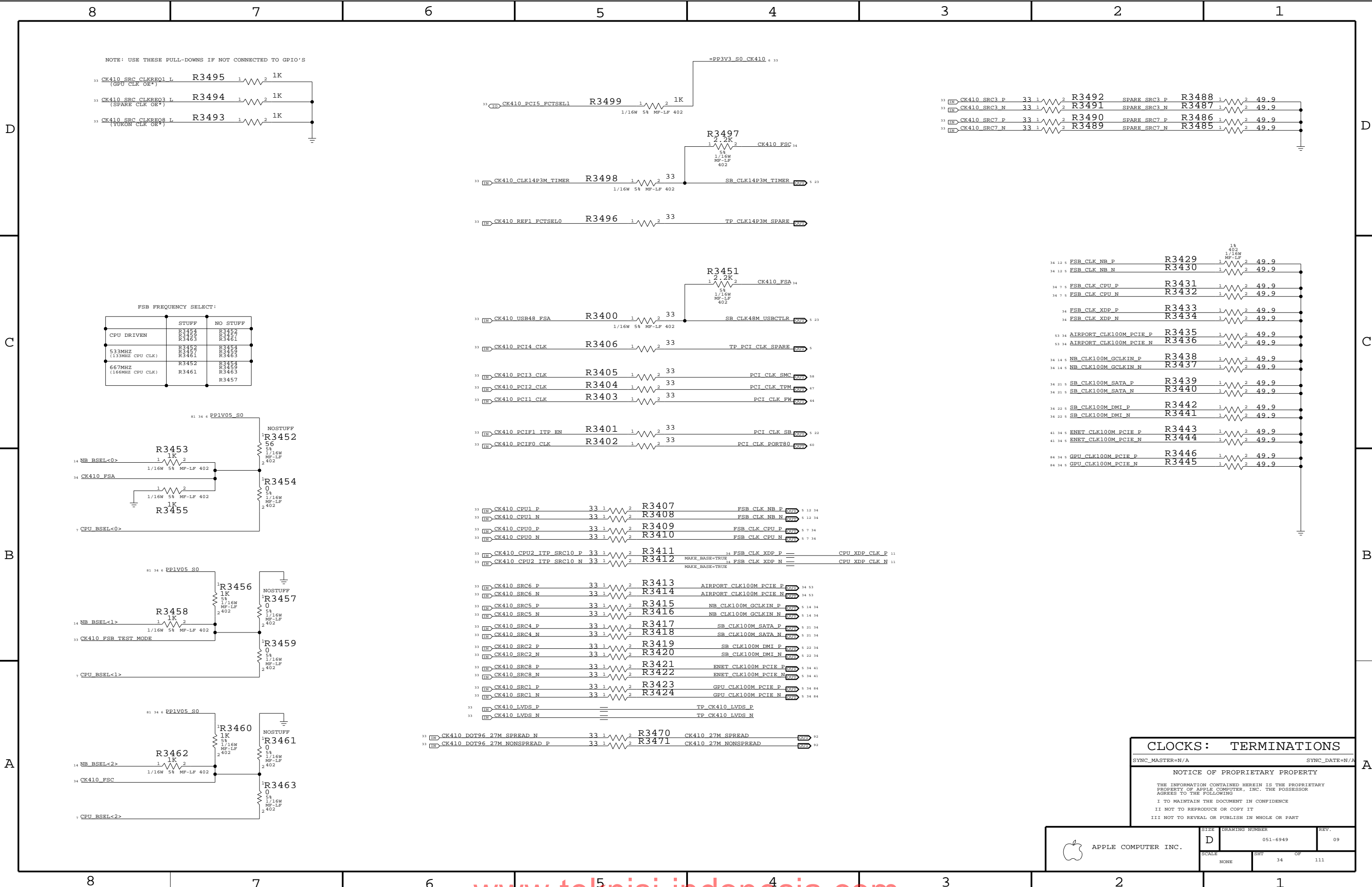
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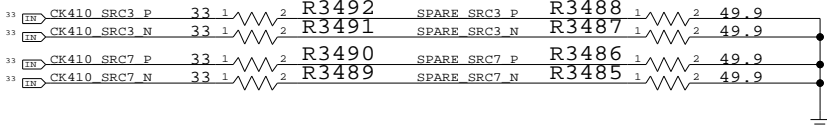
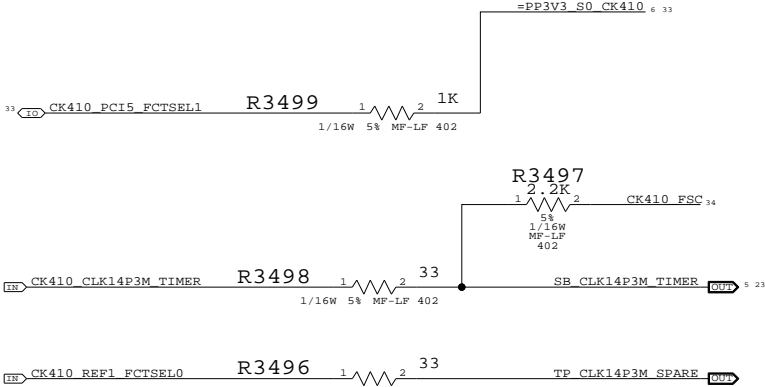
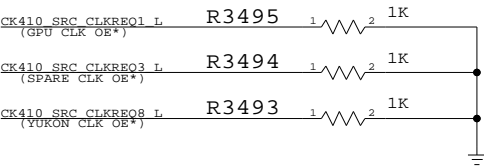
APPLE COMPUTER INC.

D	051-6949	09
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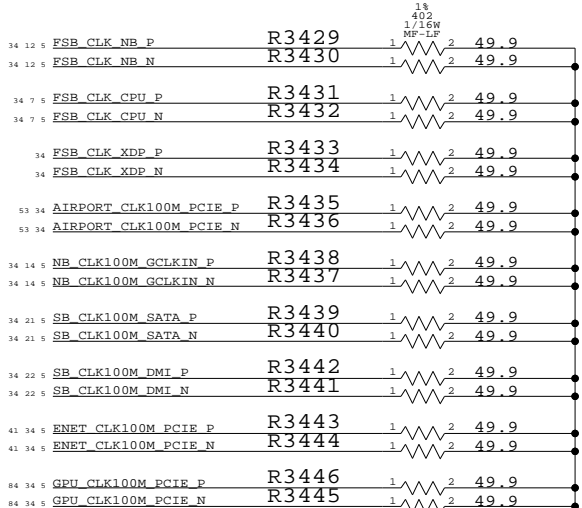
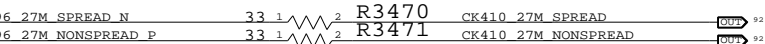
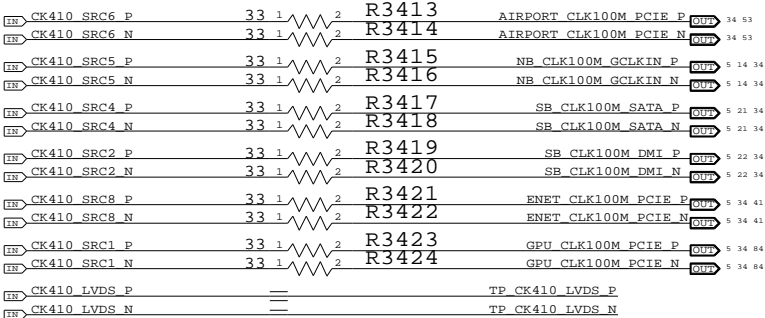
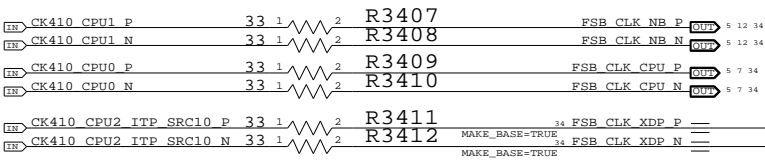
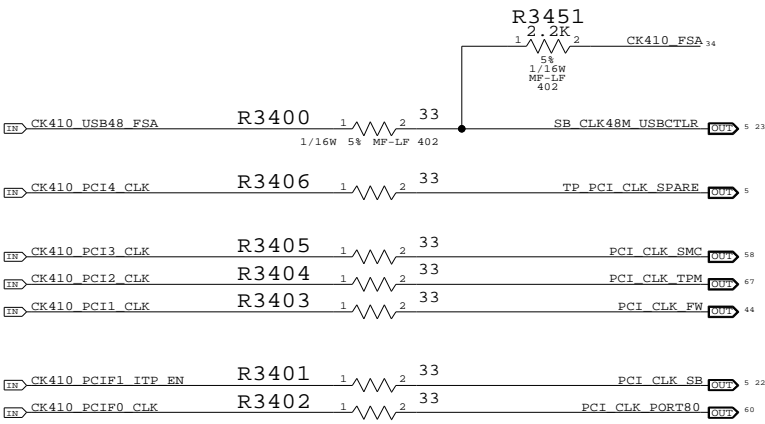
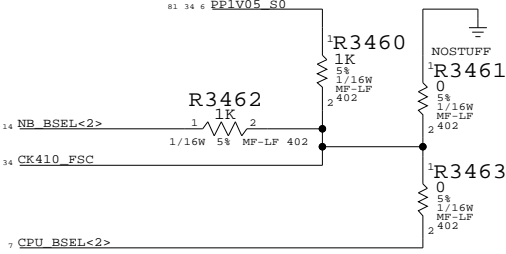
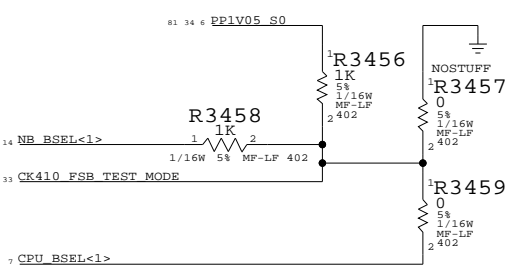
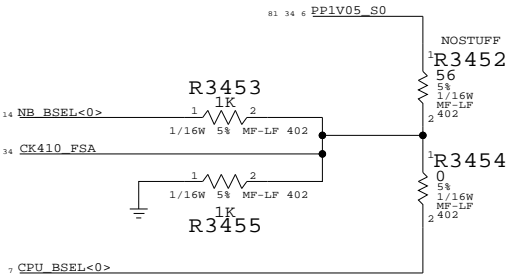


NOTE: USE THESE PULL-DOWNS IF NOT CONNECTED TO GPIO'S



FSB FREQUENCY SELECT:

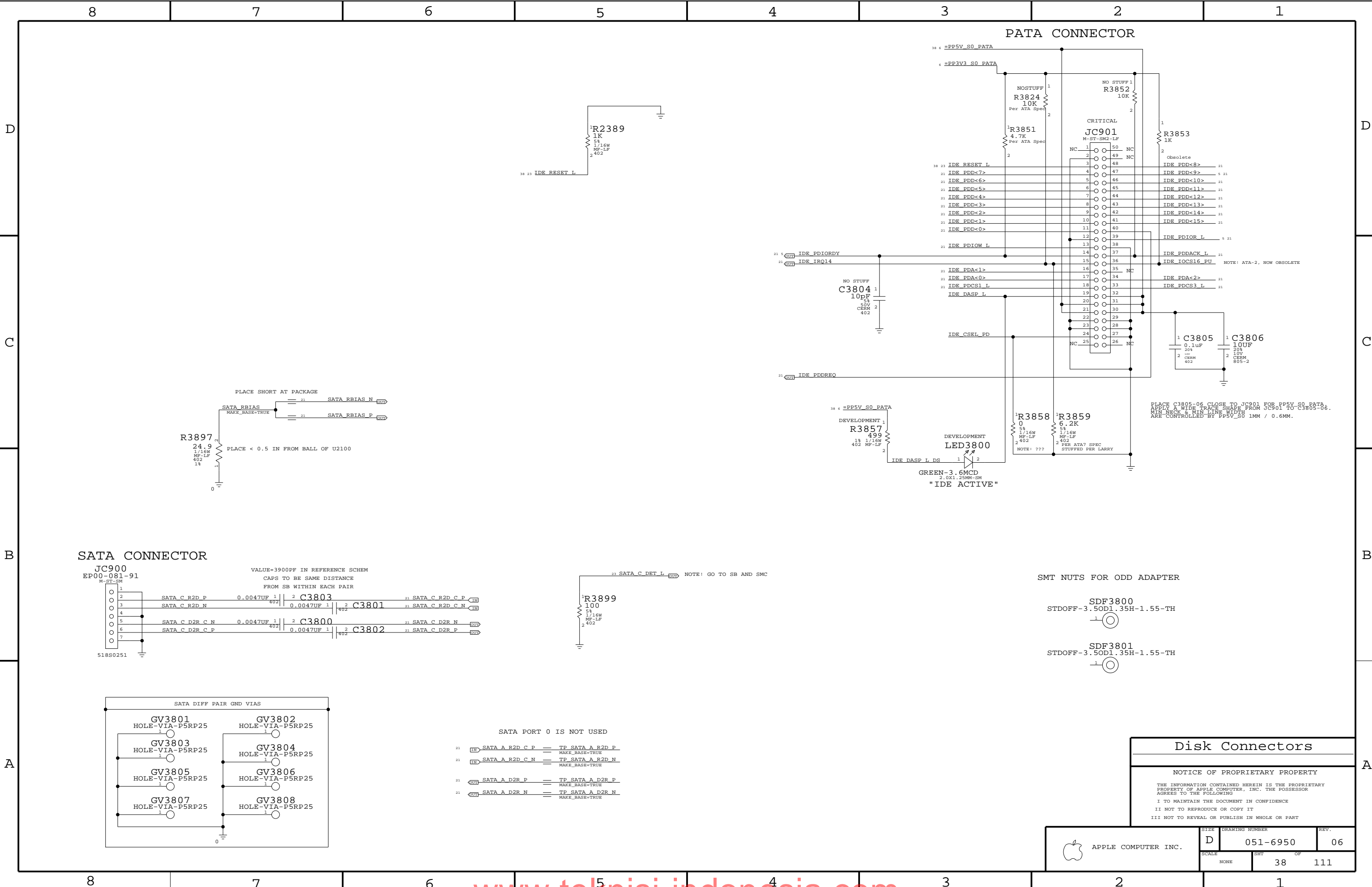
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CPU DRIVEN	R3454 R3455	R3456 R3457
533MHZ (133MHZ CPU CLK)	R3452 R3453	R3454 R3455
667MHZ (166MHZ CPU CLK)	R3452 R3453	R3454 R3455

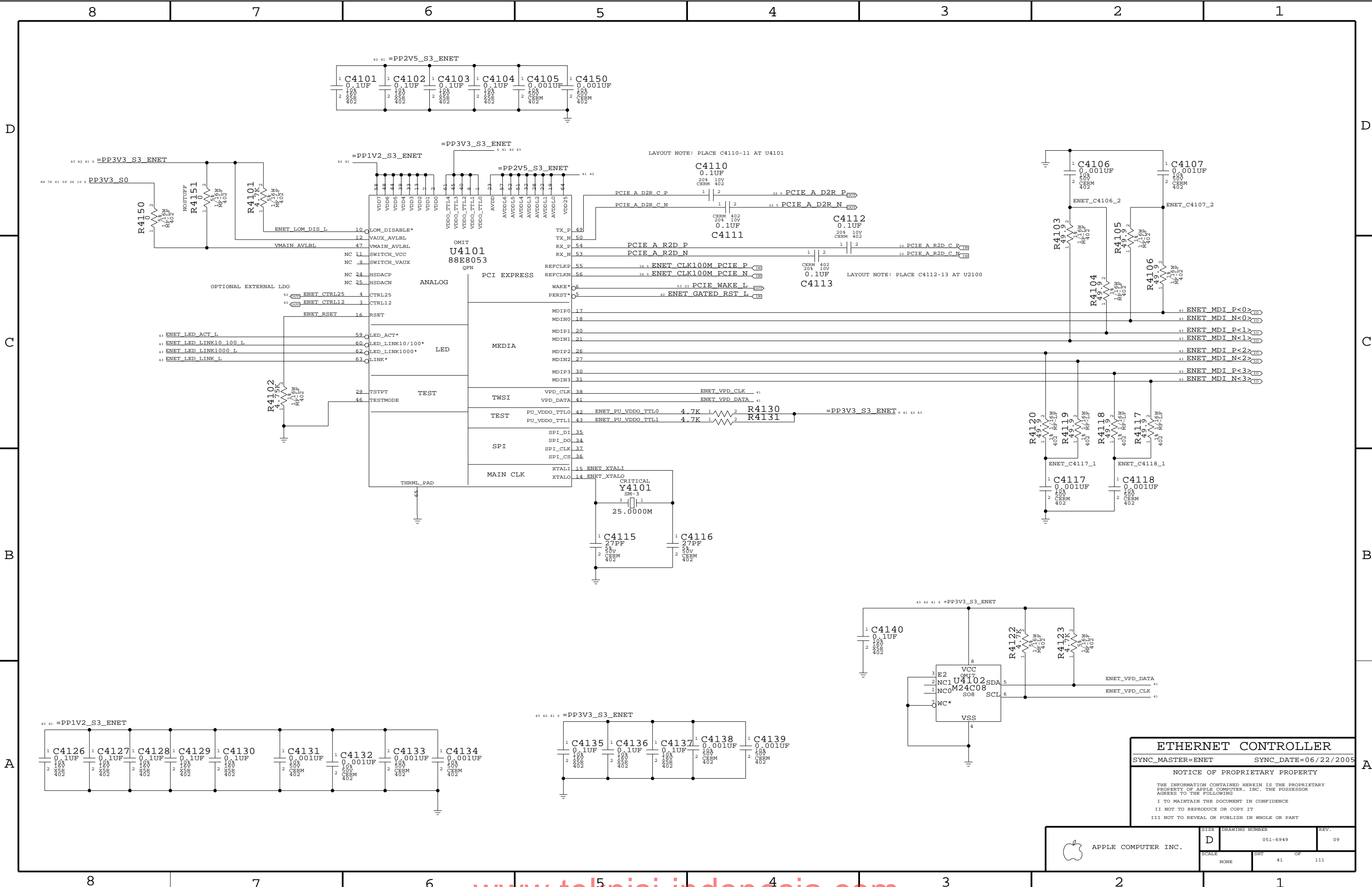


CLOCKS: TERMINATIONS

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SCALE	SHT	OF	111

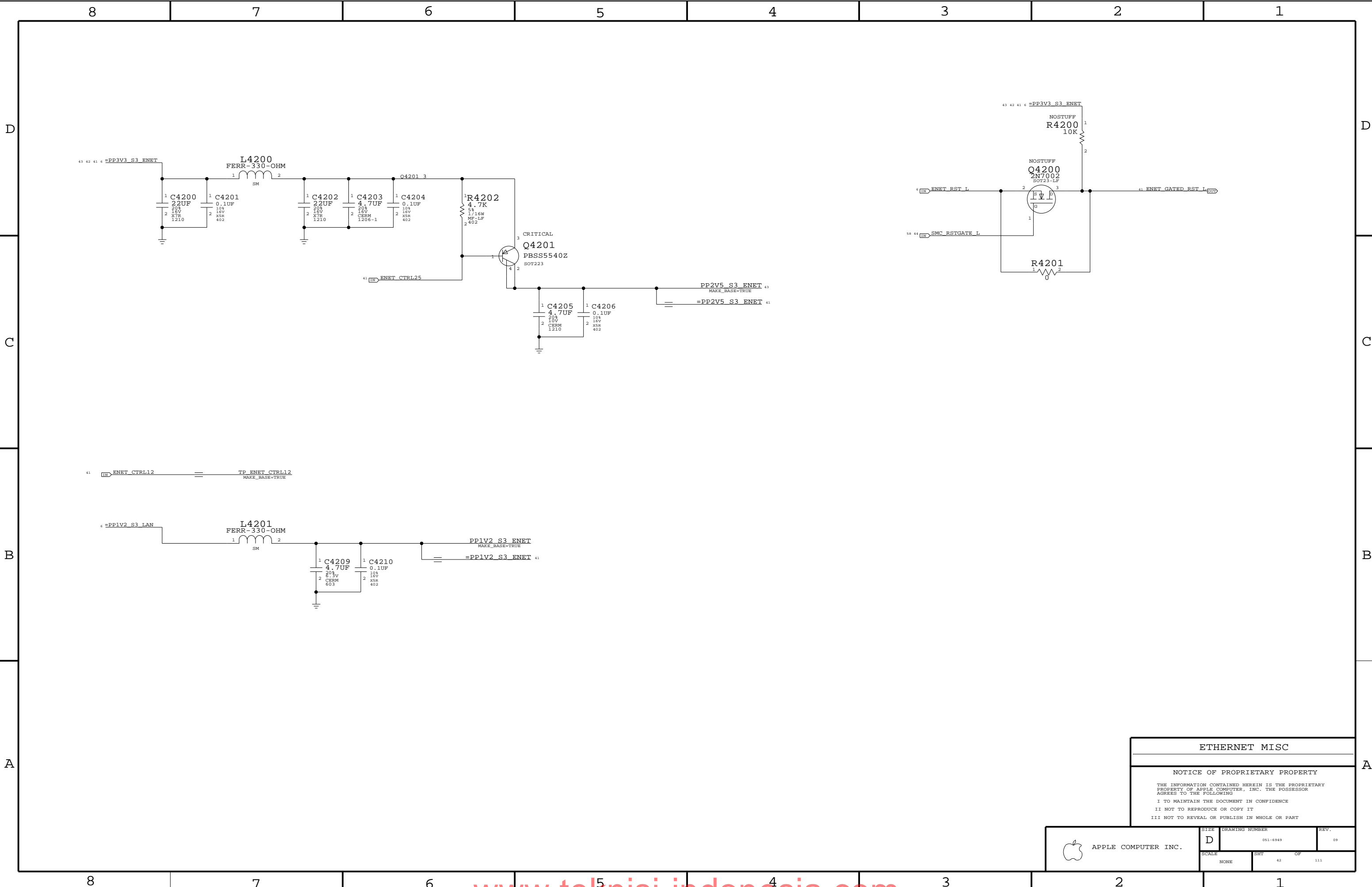




ETHERNET CONTROLLER
SYNC_MASTER=ENET SYNC_DATE=06/22/2005

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	D	051-6949	09
SCALE	NONE	SHT	41 OF 111



ETHERNET MISC

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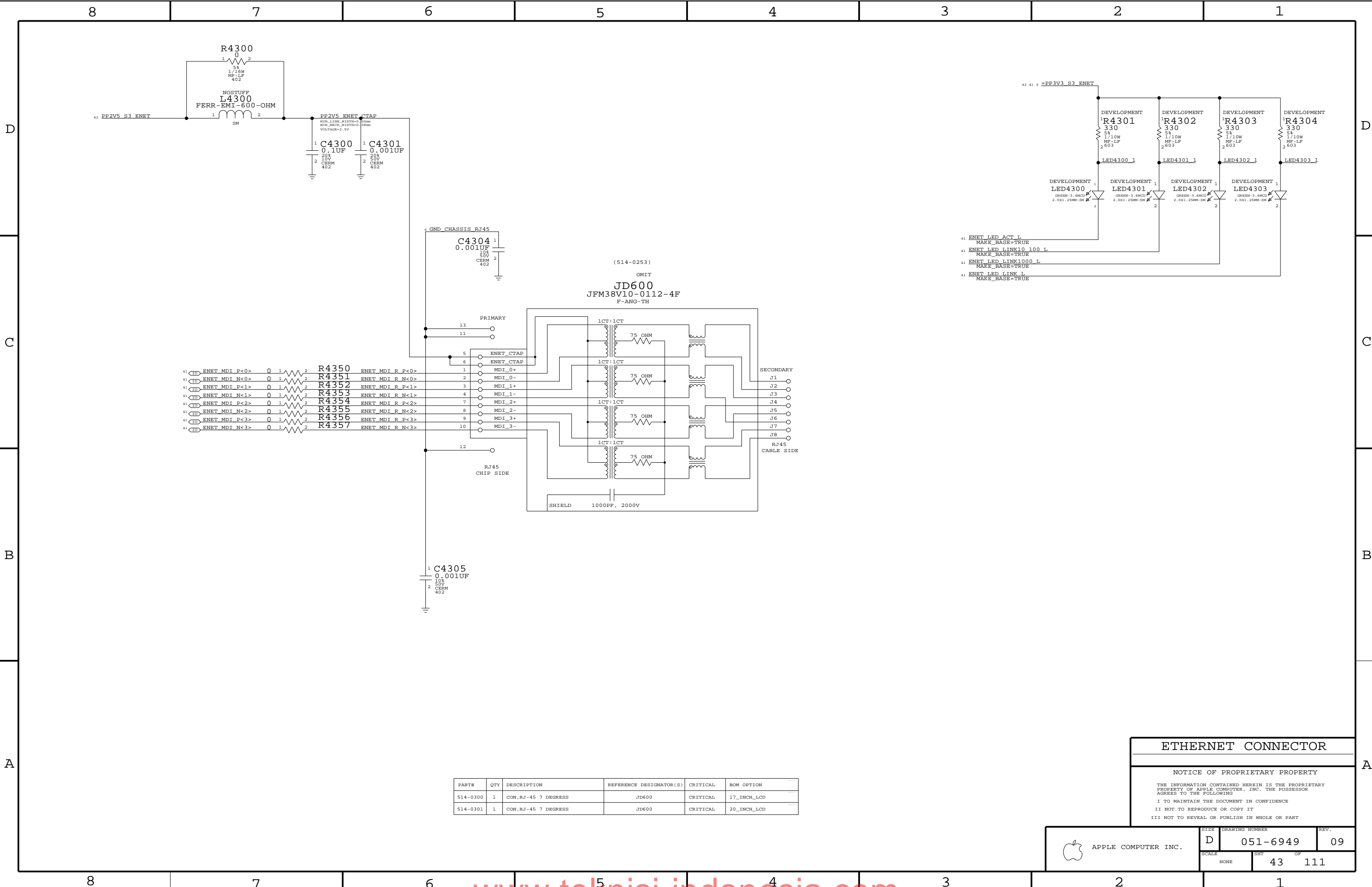
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	D	051-6949		09
SCALE		SHT	OF	
NONE		42	111	



PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
514-0300	1	CON,RJ-45 7 DEGRESS	JD600	CRITICAL	17_INCH_LCD
514-0301	1	CON,RJ-45 7 DEGRESS	JD600	CRITICAL	20_INCH_LCD

ETHERNET CONNECTOR

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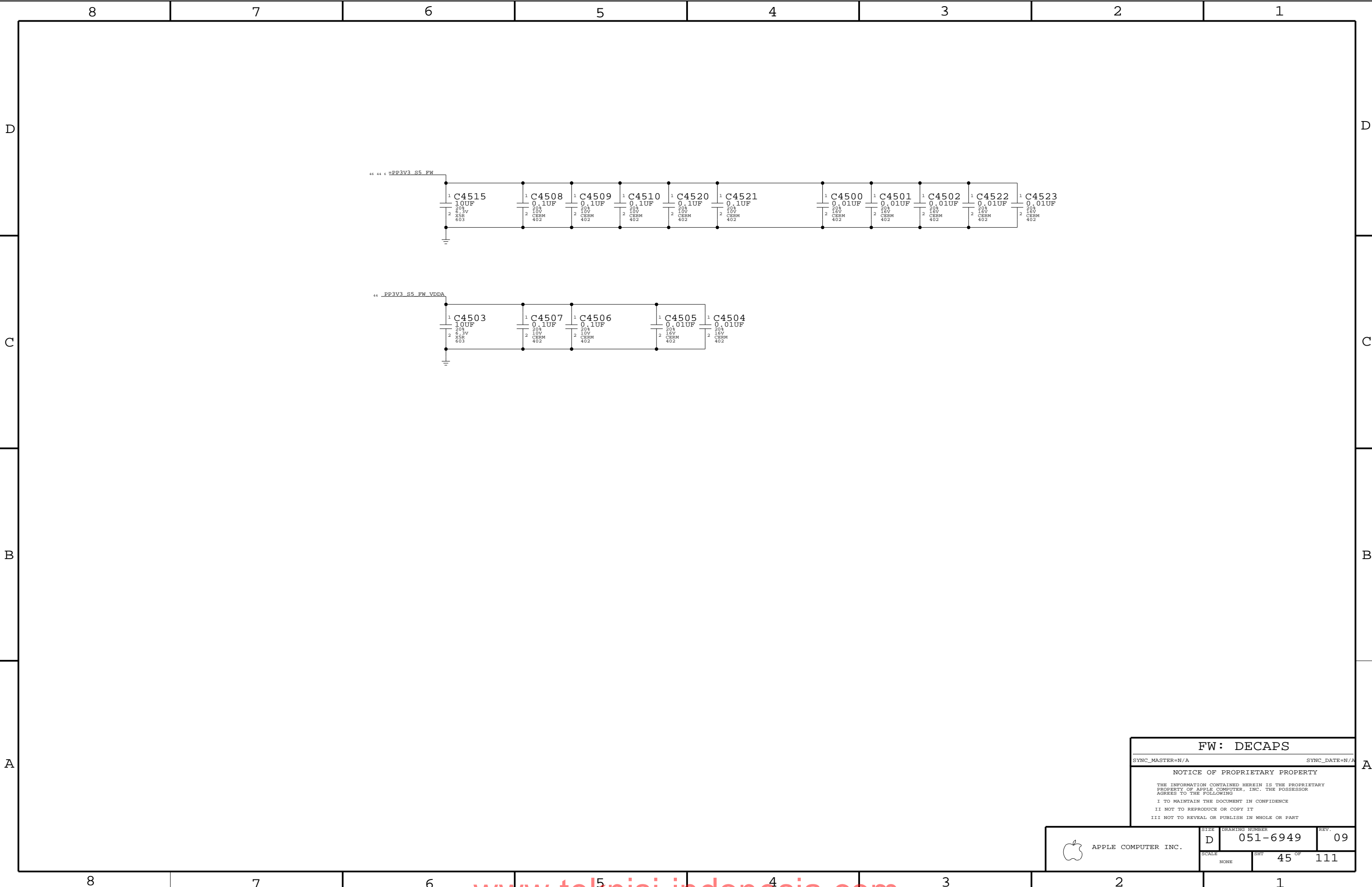
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APPLE COMPUTER INC.

D 051-6949 09

SCALE NONE SHT 43 OF 111





FW: DECAPS

SYNC_MASTER=N/A

SYNC_DATE=N/A

NOTICE OF PROPRIETARY PROPERTY

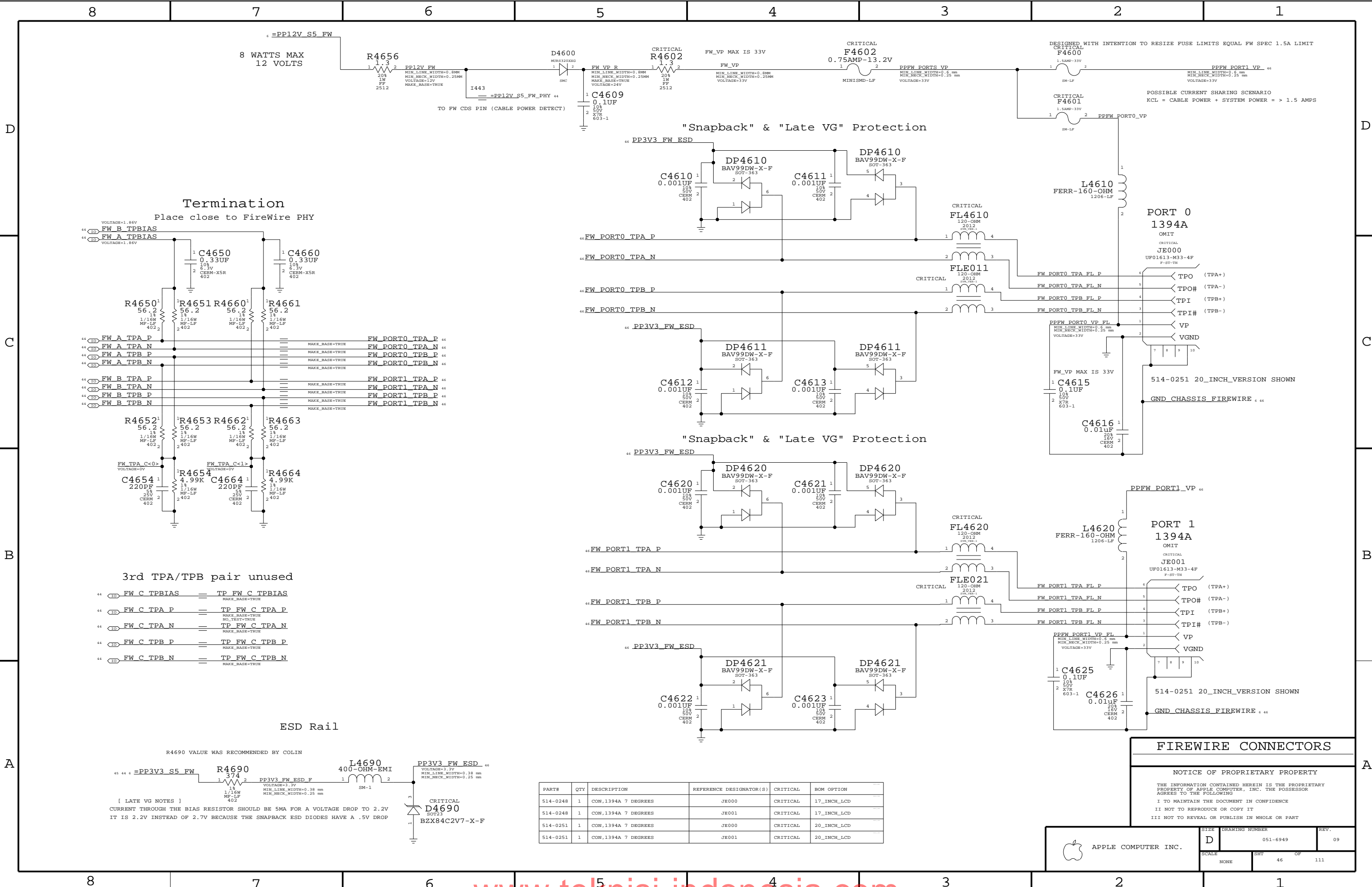
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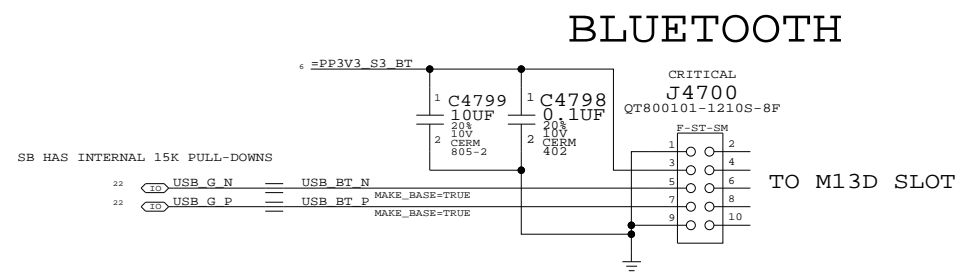
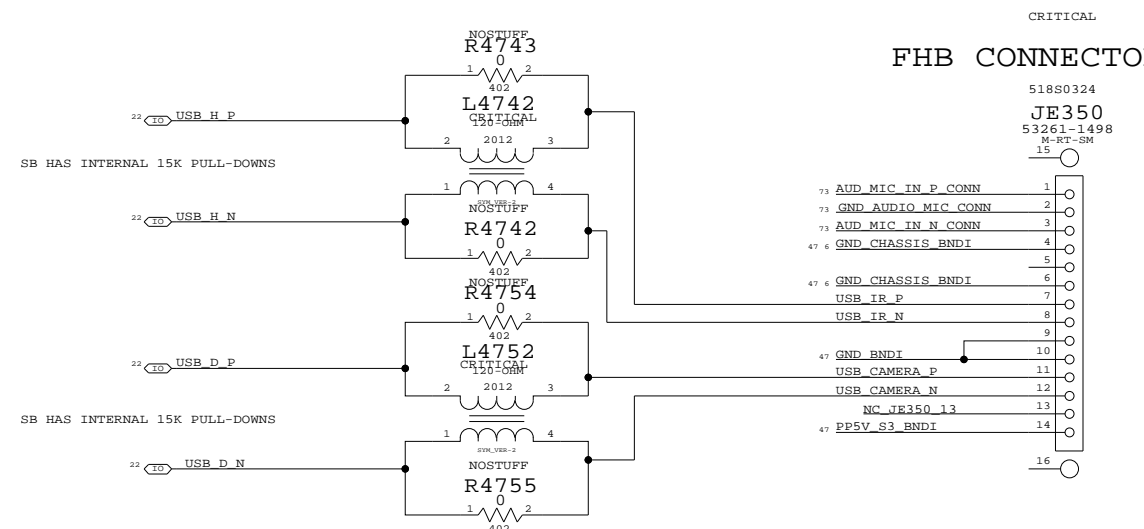
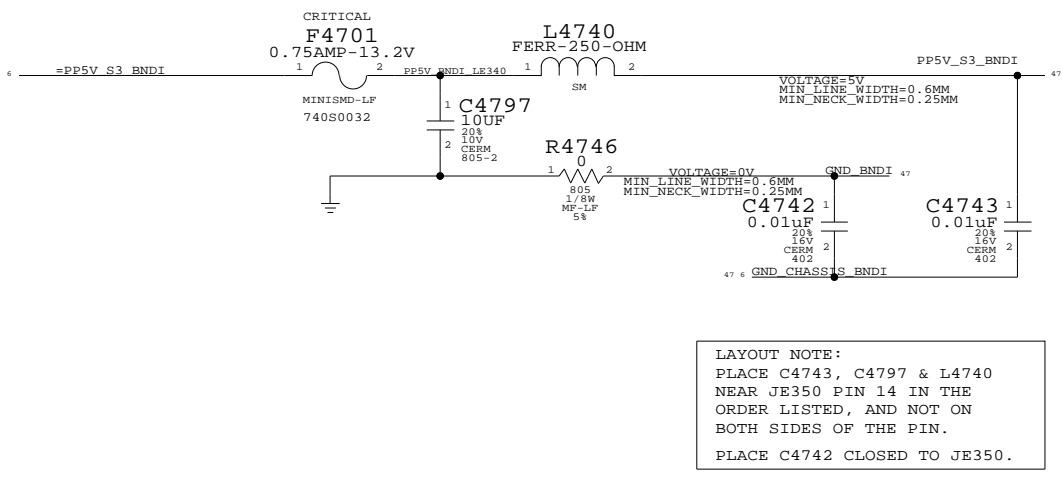
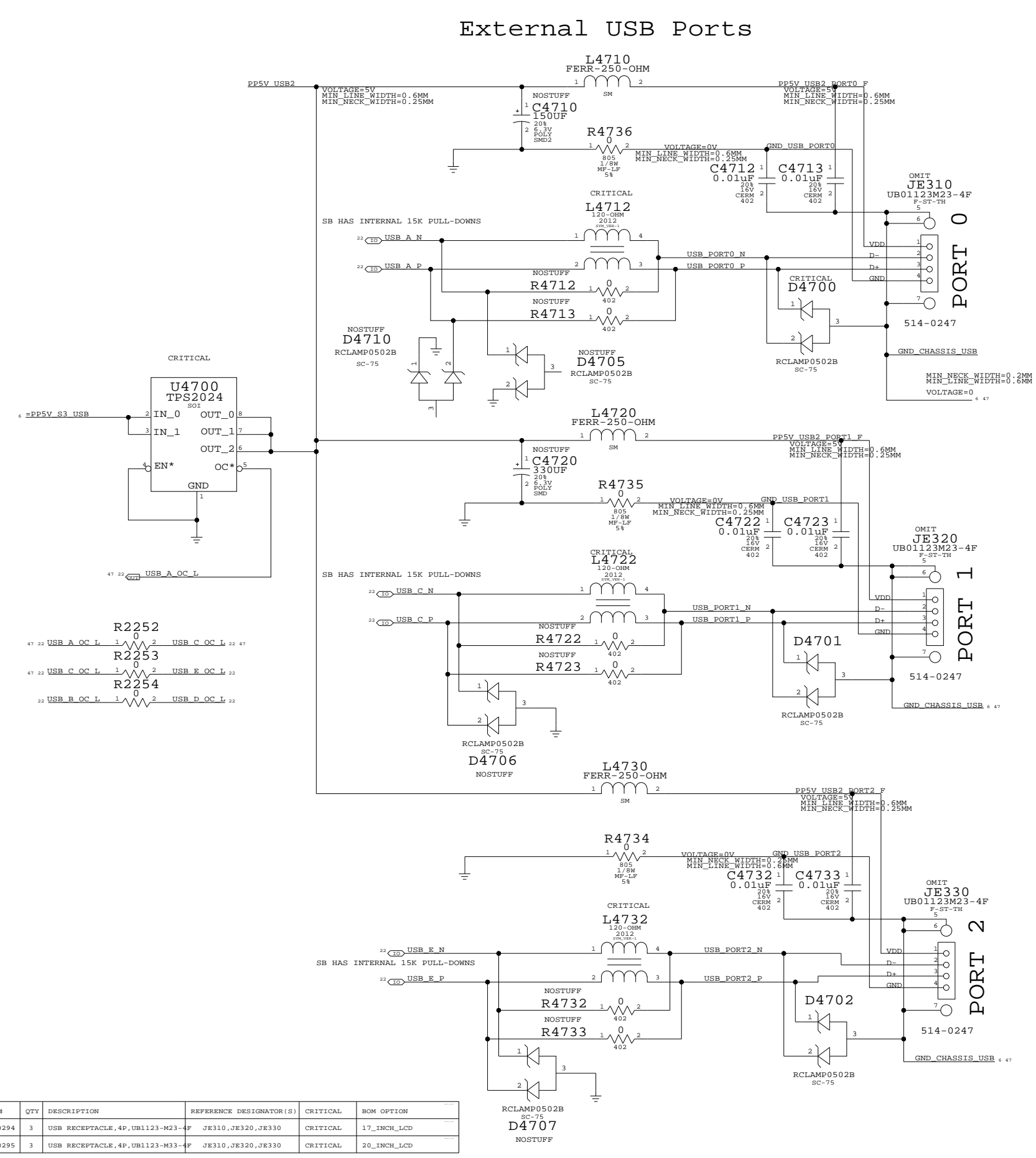
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	D	051-6949	09
SCALE		SHT	OF
NONE		45	111



External USB Ports



PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
514-0294	3	USB RECEPTACLE,4P,UB1123-M23-4F	JE310,JE320,JE330	CRITICAL	17_INCH_LCD
514-0295	3	USB RECEPTACLE,4P,UB1123-M33-4F	JE310,JE320,JE330	CRITICAL	20_INCH_LCD

NOTE: STANDOFFS FOR J4700
SDF4700
STDOFF-40D4.5H-1.35-TH
SDF4701
STDOFF-40D4.5H-1.35-TH

USB Device Interfaces

NOTICE OF PROPRIETARY PROPERTY

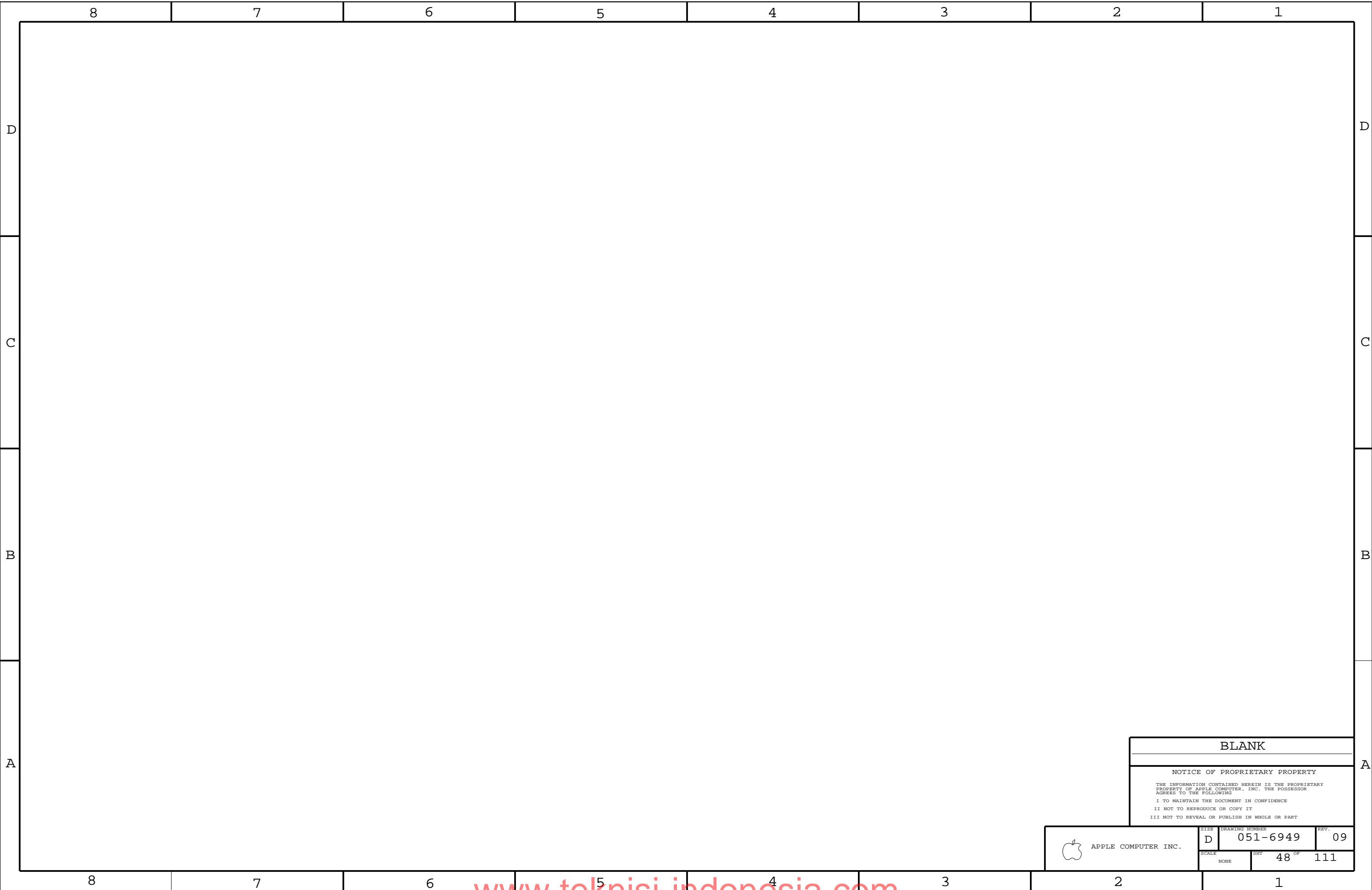
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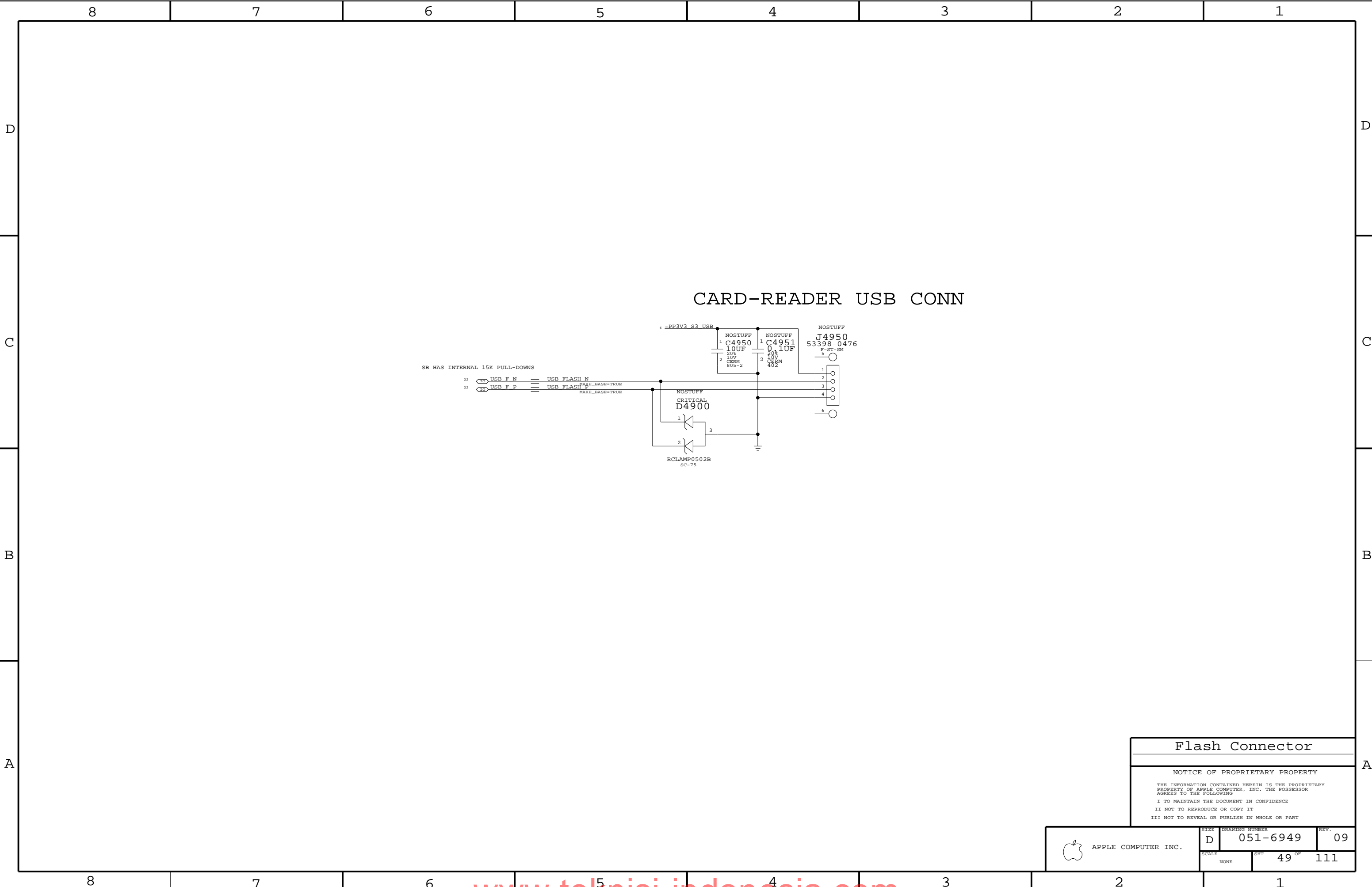
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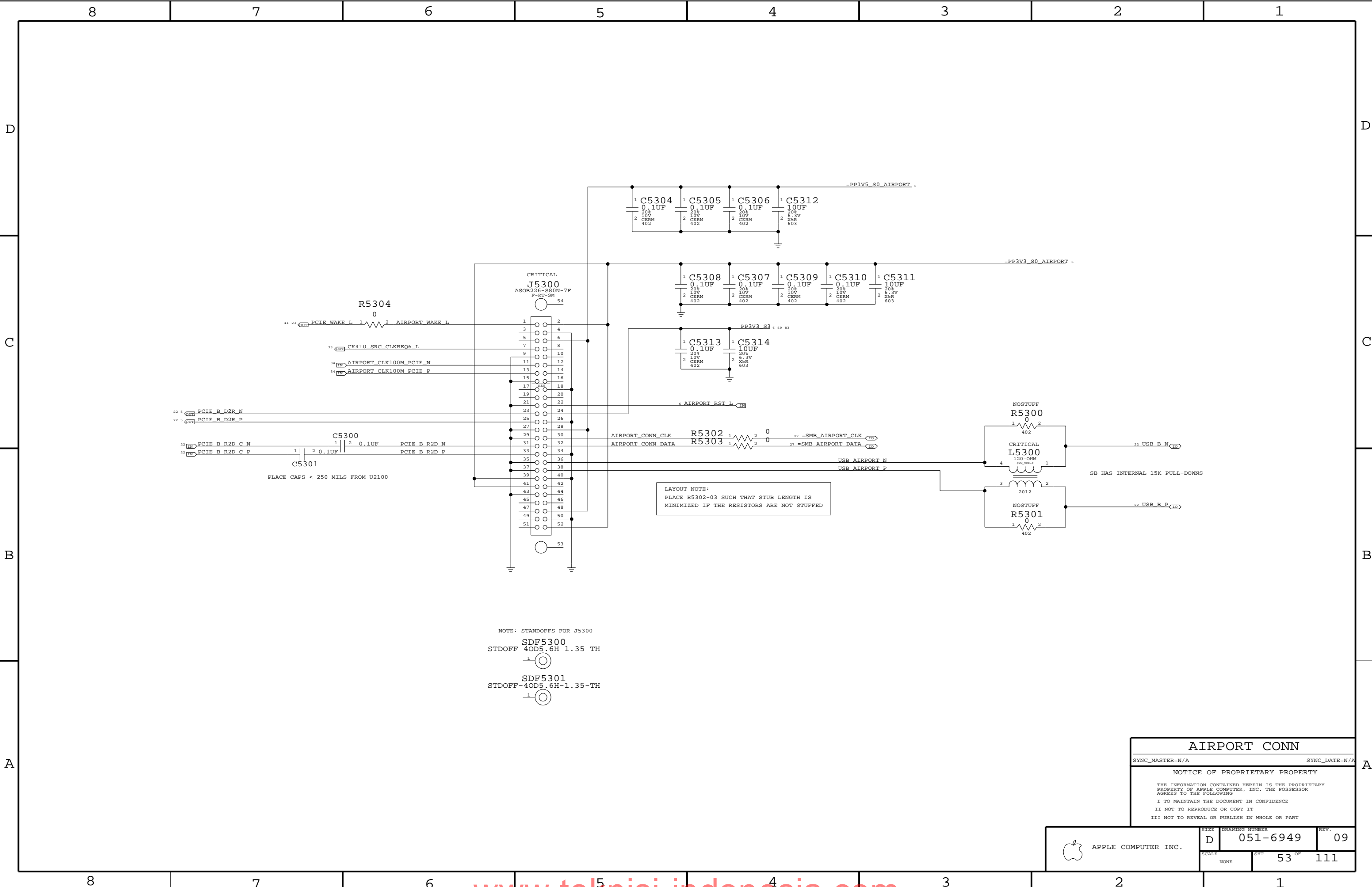
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APPLE COMPUTER INC.	SCALE	D		REV.
	NONE	47	111	06







NOTE: STANDOFFS FOR J5300

SDF5300
STDOFF-40D5.6H-1.35-TH

SDF5301
STDOFF-40D5.6H-1.35-TH

AIRPORT CONN

SYNC_MASTER=N/A SYNC_DATE=N/A

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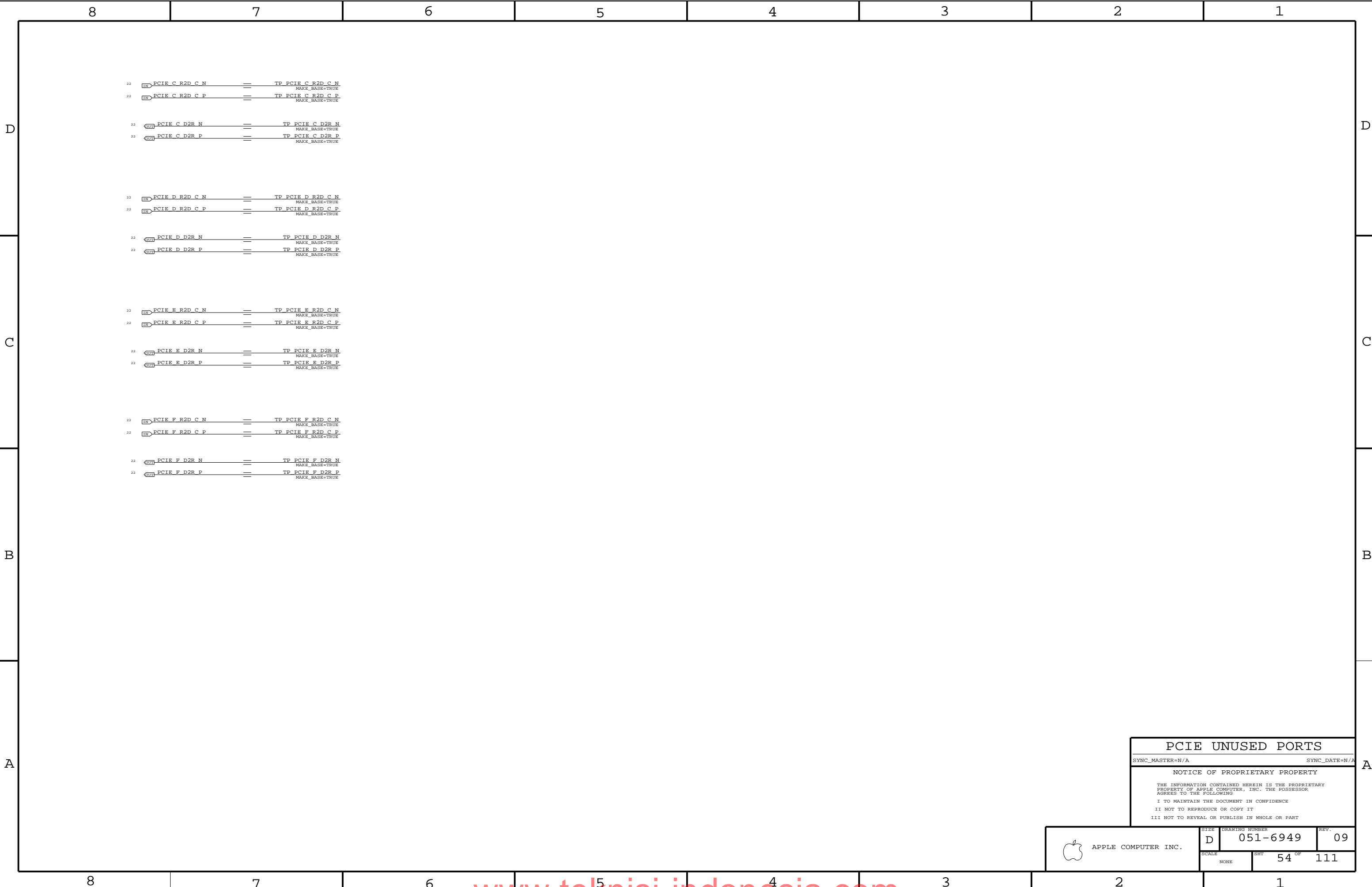
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	D	051-6949	09
SCALE		SHT	53 OF 111
NONE			



PCIE UNUSED PORTS

SYNC_MASTER=N/A

SYNC_DATE=N/A


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APPLE COMPUTER INC.

SIZE

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DRAWING NUMBER

051-6949

REV.

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SCALE

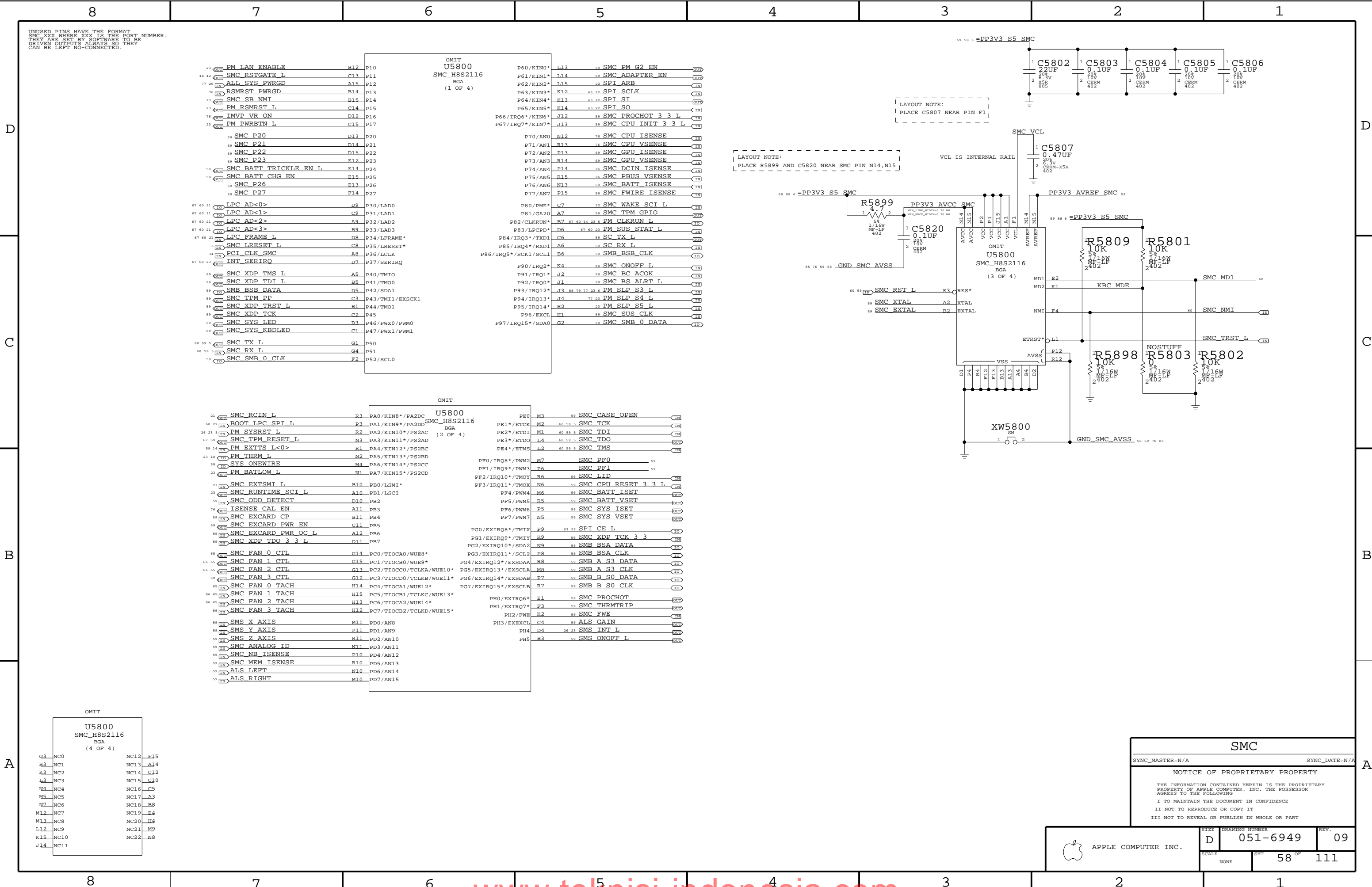
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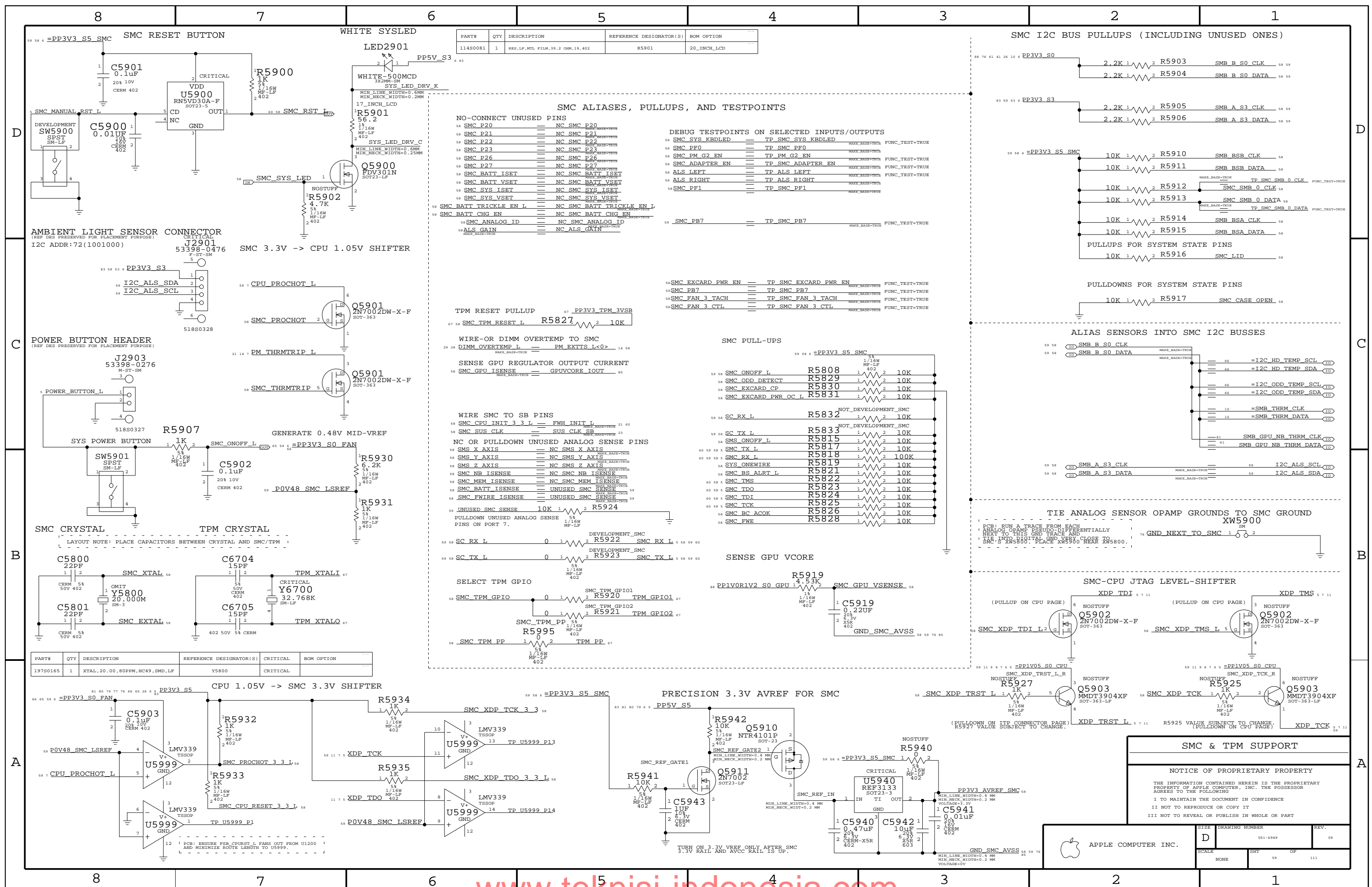
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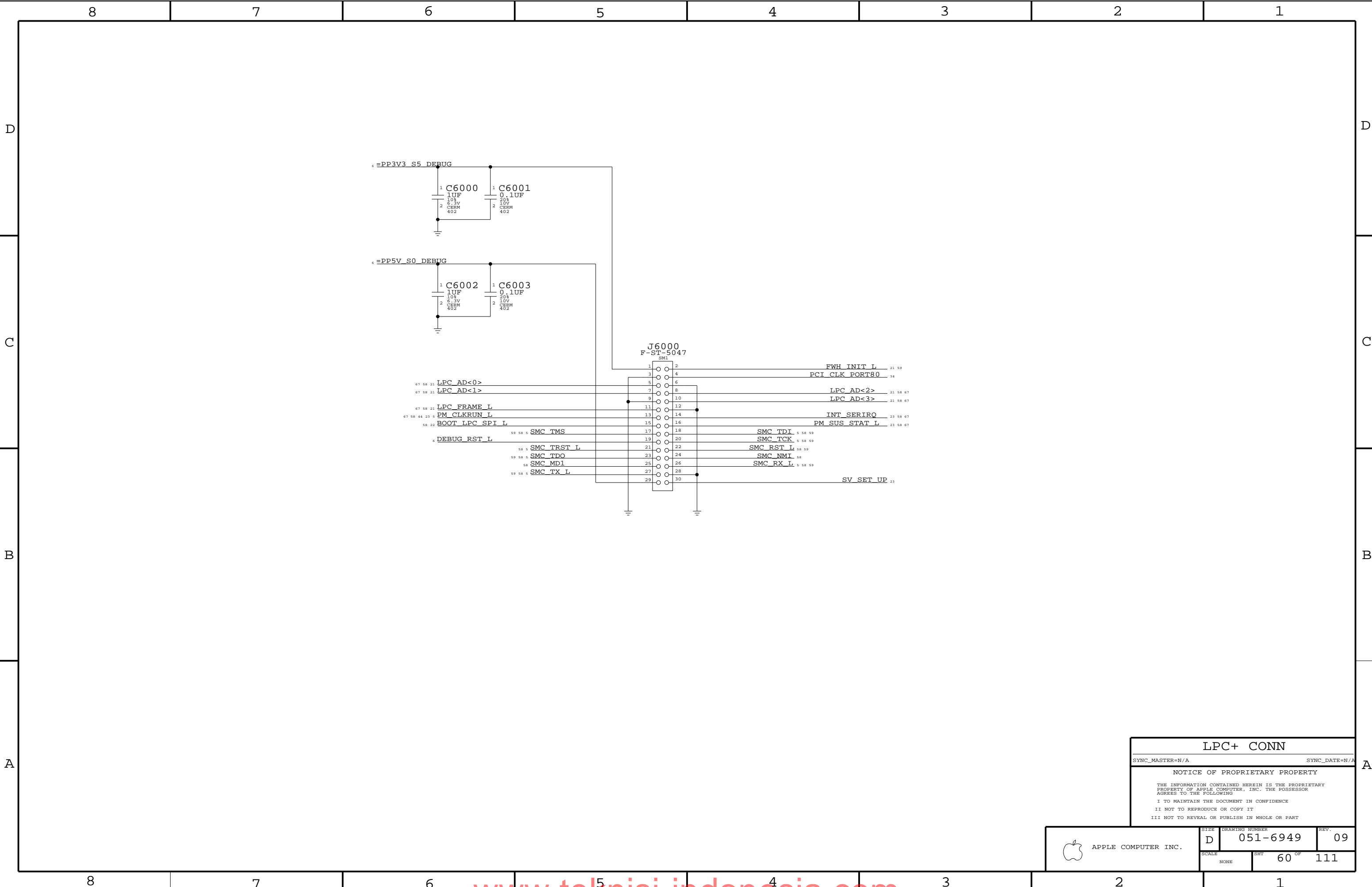
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LPC+ CONN

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SYNC_DATE=N/A

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SIZE

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DRAWING NUMBER

051-6949

REV.

09

SCALE

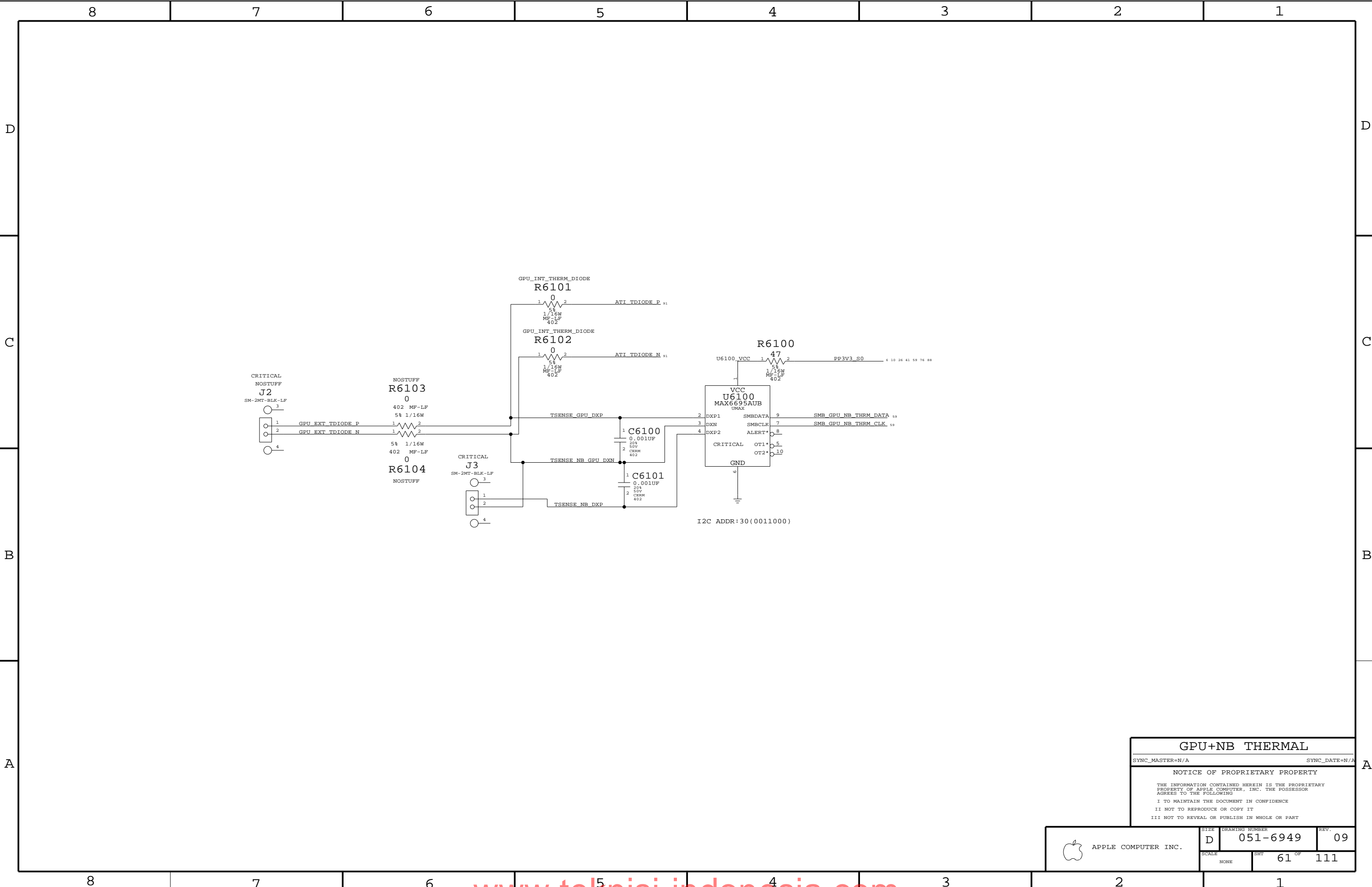
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GPU+NB THERMAL

SYNC_MASTER=N/A

SYNC_DATE=N/A

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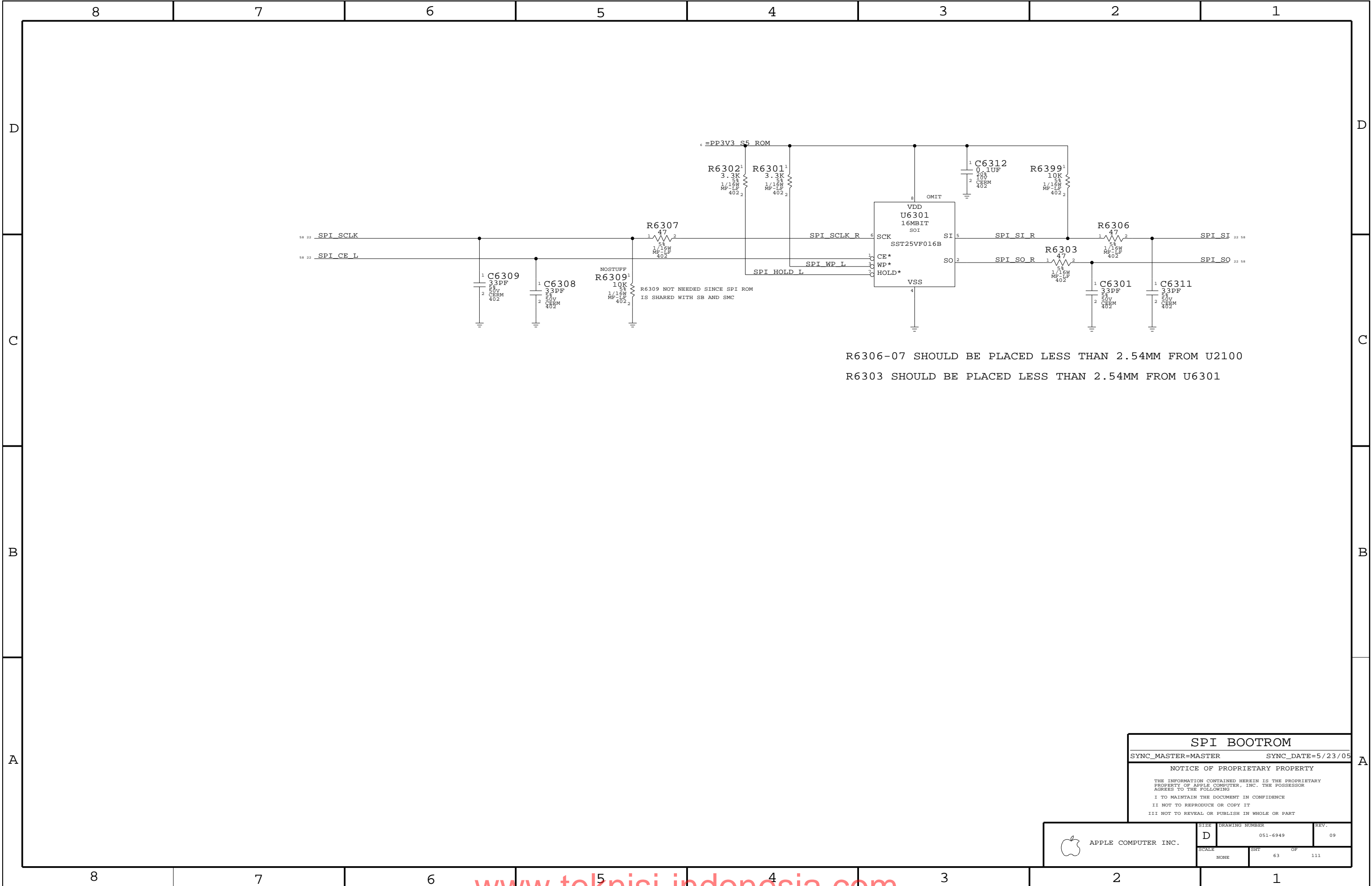
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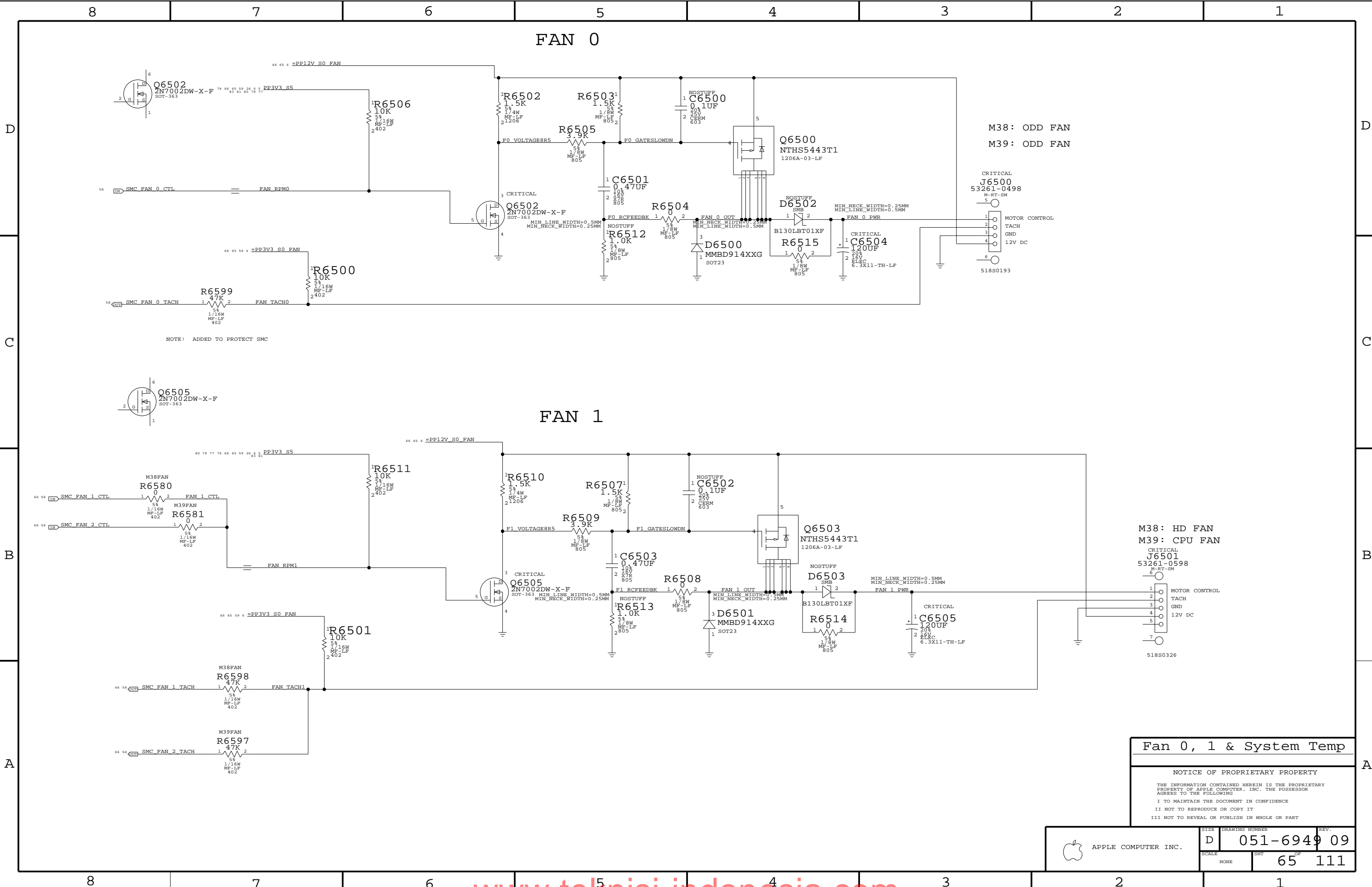
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SCALE		SHT	OF
NONE		61	111





Fan 0, 1 & System Temp

NOTICE OF PROPRIETARY PROPERTY

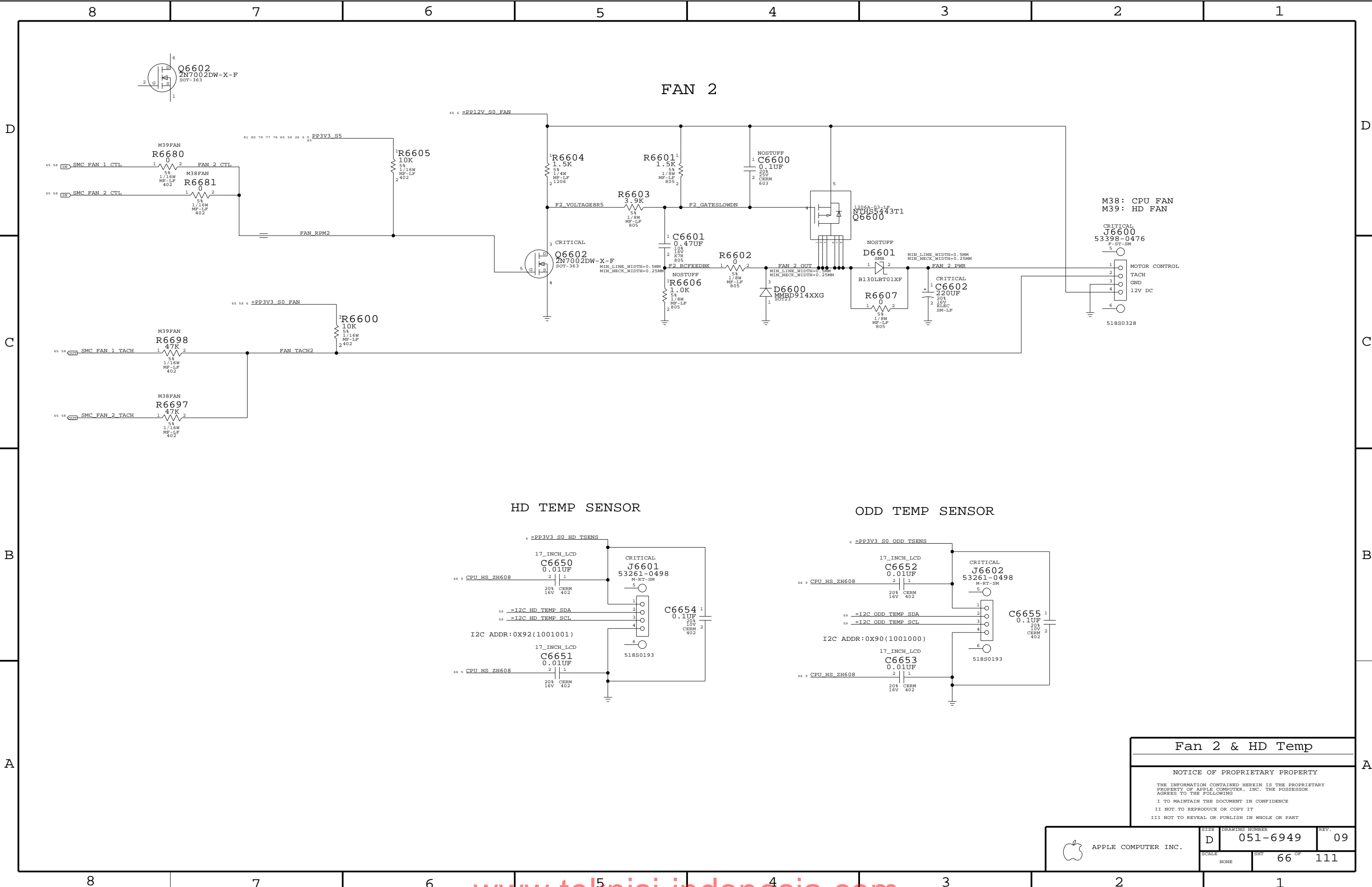
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SCALE	SHT		REV.
	NONE		65 111



Fan 2 & HD Temp

NOTICE OF PROPRIETARY PROPERTY

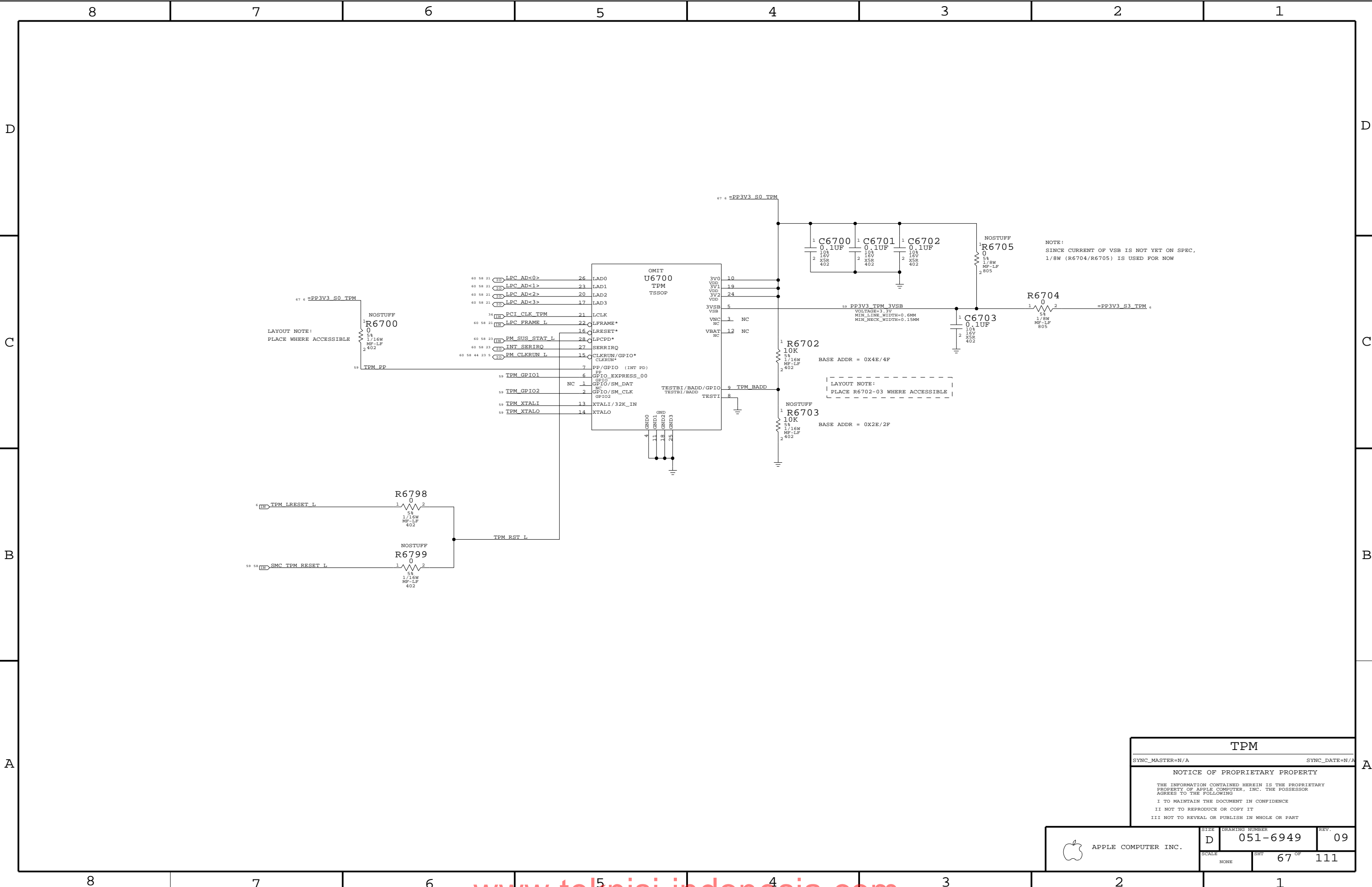
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	D	051-6949	09
SCALE		SHT	66 OF 111
NONE			



TPM

SYNC_MASTER=N/A

SYNC_DATE=N/A

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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
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SCALE		SHT	67 OF 111
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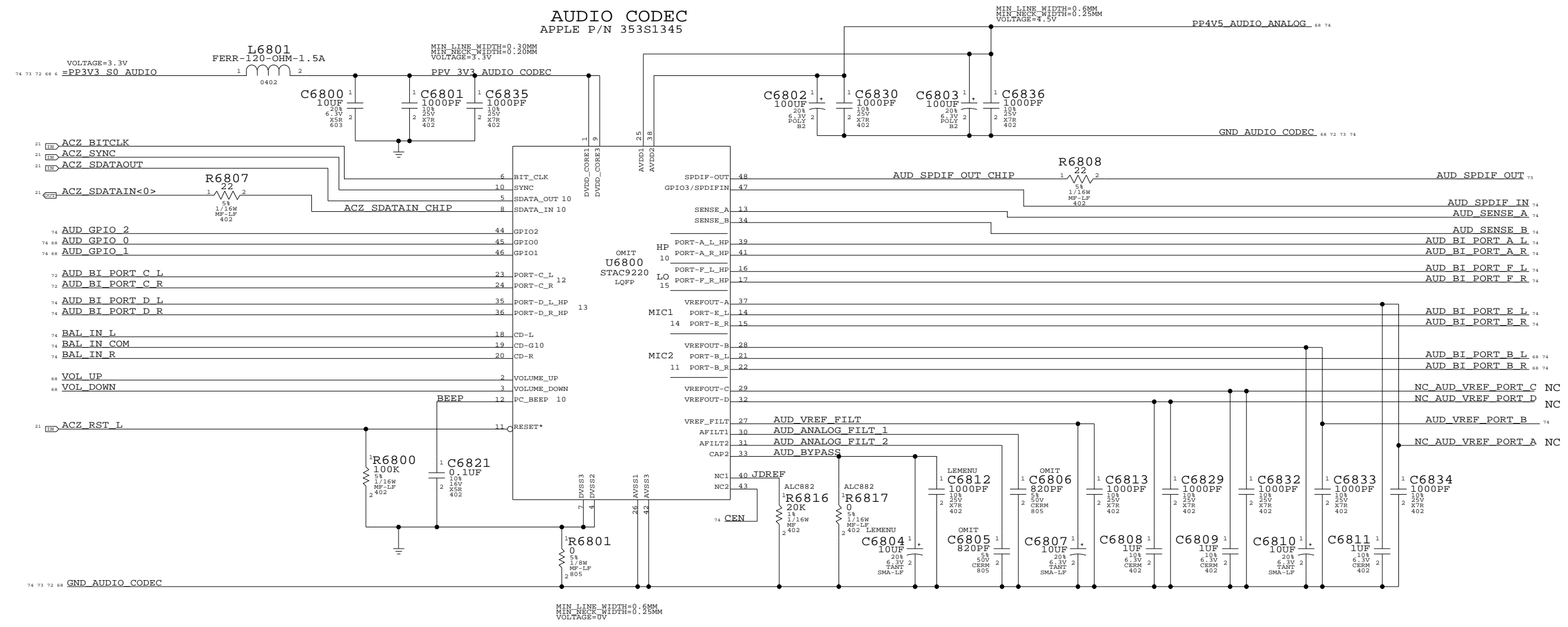
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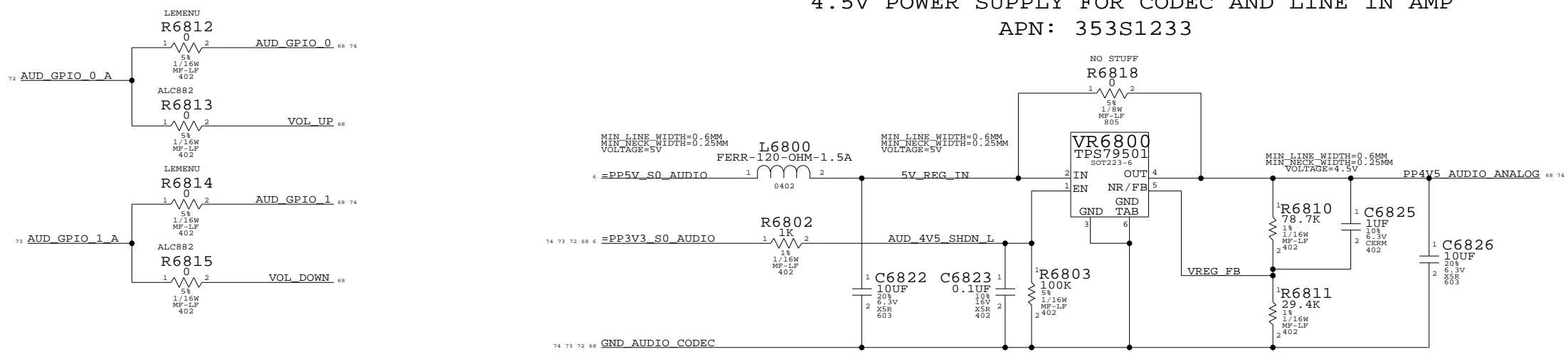
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4.5V POWER SUPPLY FOR CODEC AND LINE IN AMP
APN: 353S1233



AUDIO: CODEC

SYNC_MASTER=FINO-SO SYNC_DATE=04/28/2005

NOTICE OF PROPRIETARY PROPERTY

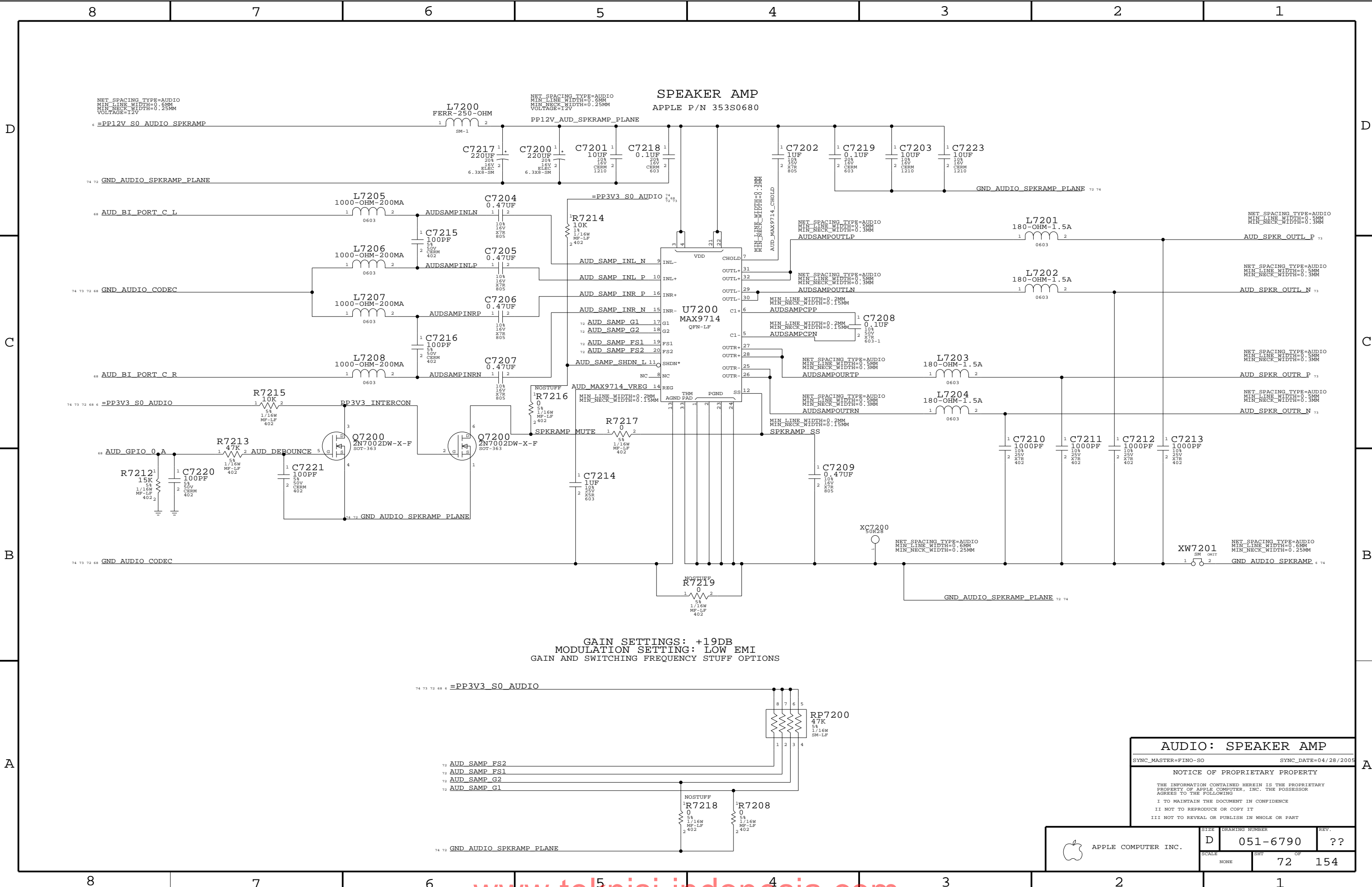
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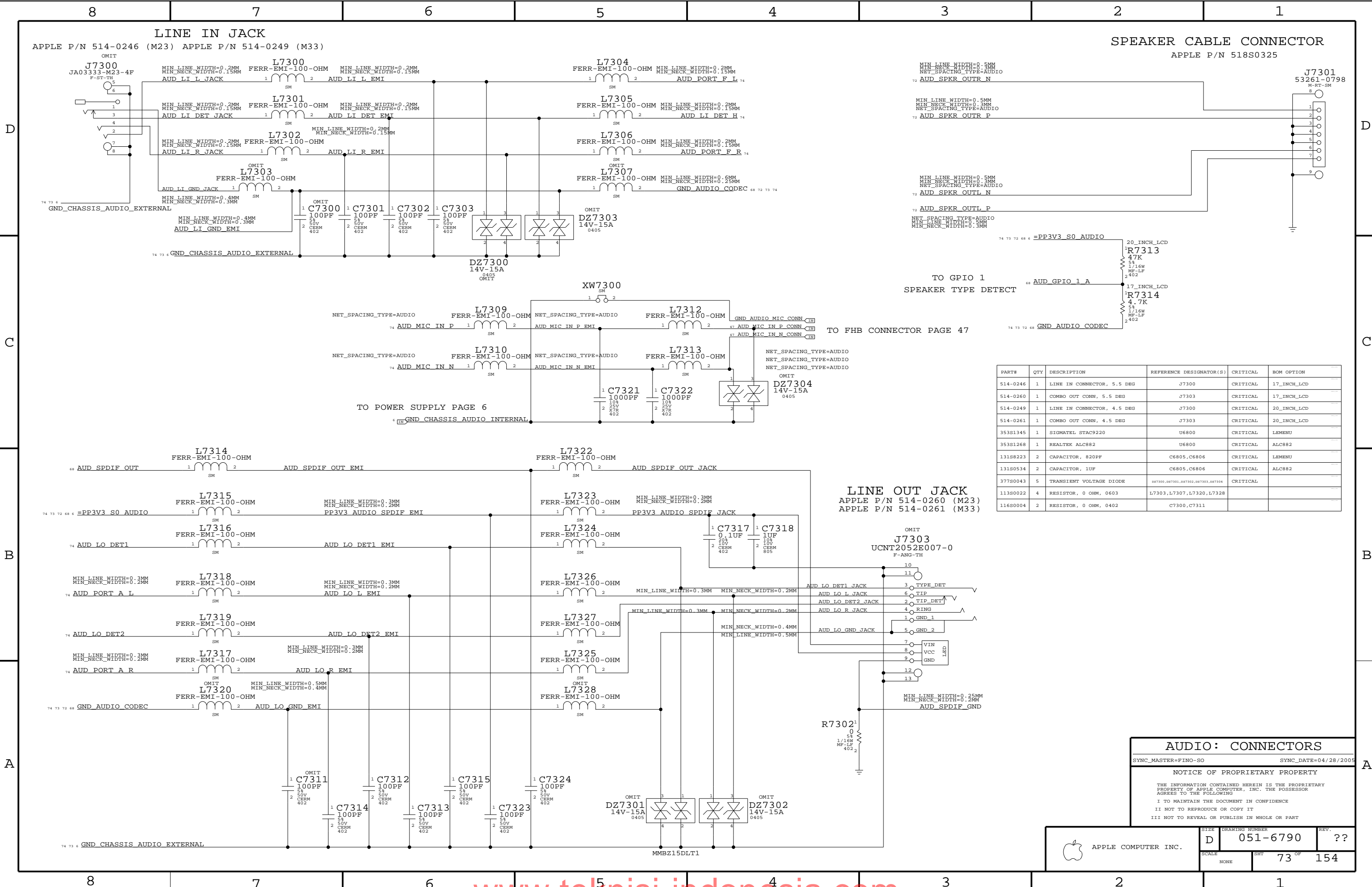
APPLE COMPUTER INC.	SIZE	DRAWING NUMBER		REV.
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SCALE		NONE	SHT	OF
		68	154	



GAIN SETTINGS: +19DB
MODULATION SETTING: LOW EMI
GAIN AND SWITCHING FREQUENCY STUFF OPTIONS

AUDIO: SPEAKER AMP
SYNC_MASTER=FINO-SO SYNC_DATE=04/28/2005
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SCALE	SHT		OF
	NONE	72	154



PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
514-0246	1	LINE IN CONNECTOR, 5.5 DEG	J7300	CRITICAL	17_INCH_LCD
514-0260	1	COMBO OUT CONN, 5.5 DEG	J7303	CRITICAL	17_INCH_LCD
514-0249	1	LINE IN CONNECTOR, 4.5 DEG	J7300	CRITICAL	20_INCH_LCD
514-0261	1	COMBO OUT CONN, 4.5 DEG	J7303	CRITICAL	20_INCH_LCD
353S1345	1	SIGMATEL STAC9220	U6800	CRITICAL	LEMENU
353S1268	1	REALTEK ALC882	U6800	CRITICAL	ALC882
131S8223	2	CAPACITOR, 820PF	C6805,C6806	CRITICAL	LEMENU
131S0534	2	CAPACITOR, 1UF	C6805,C6806	CRITICAL	ALC882
377S0043	5	TRANSIENT VOLTAGE DIODE	DZ7300,DZ7301,DZ7302,DZ7303,DZ7304	CRITICAL	
113S0022	4	RESISTOR, 0 OHM, 0603	L7303,L7307,L7320,L7328		
116S0004	2	RESISTOR, 0 OHM, 0402	C7300,C7311		

AUDIO: CONNECTORS

SYNC_MASTER=FINO-SO SYNC_DATE=04/28/2005

NOTICE OF PROPRIETARY PROPERTY

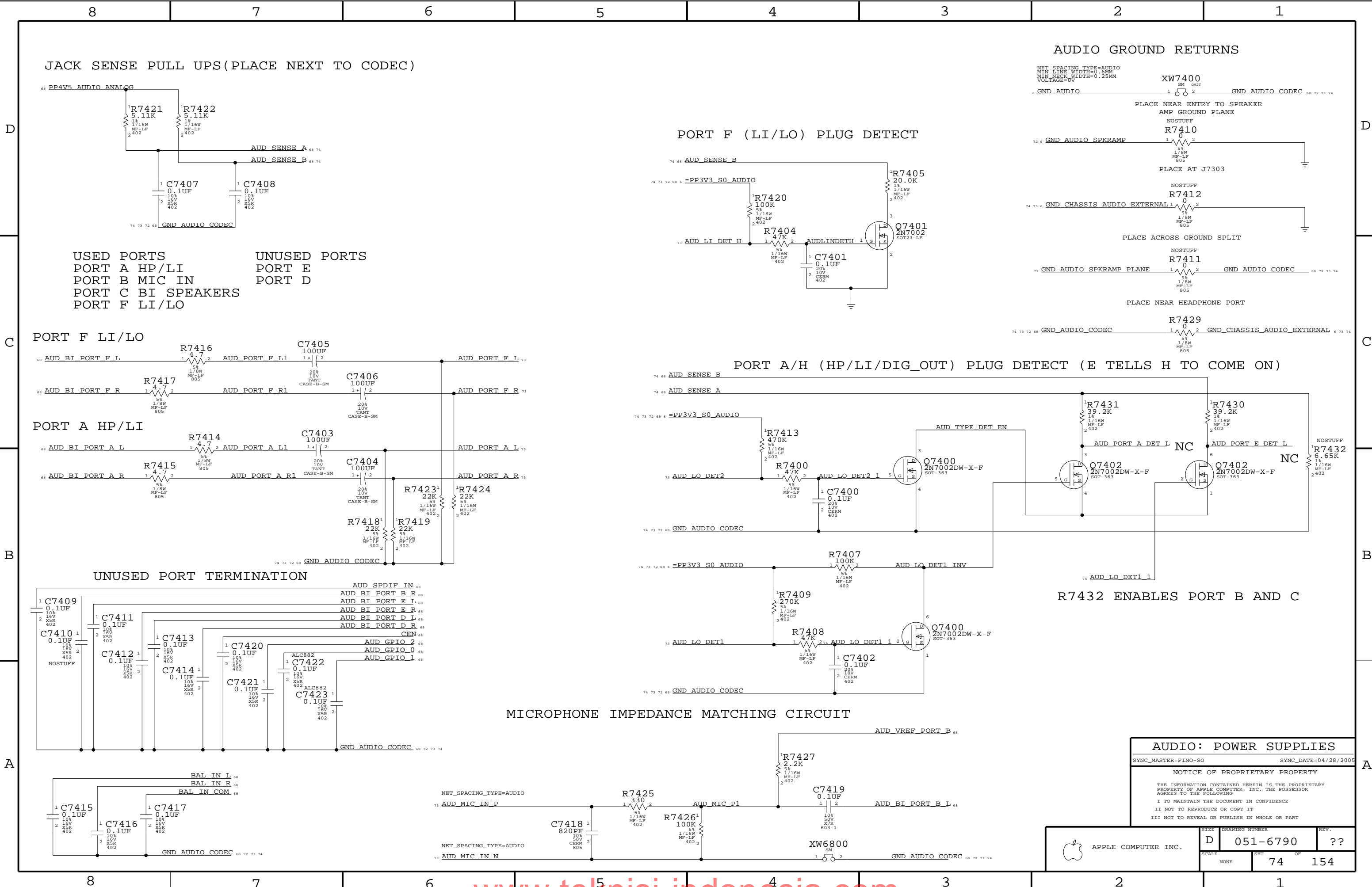
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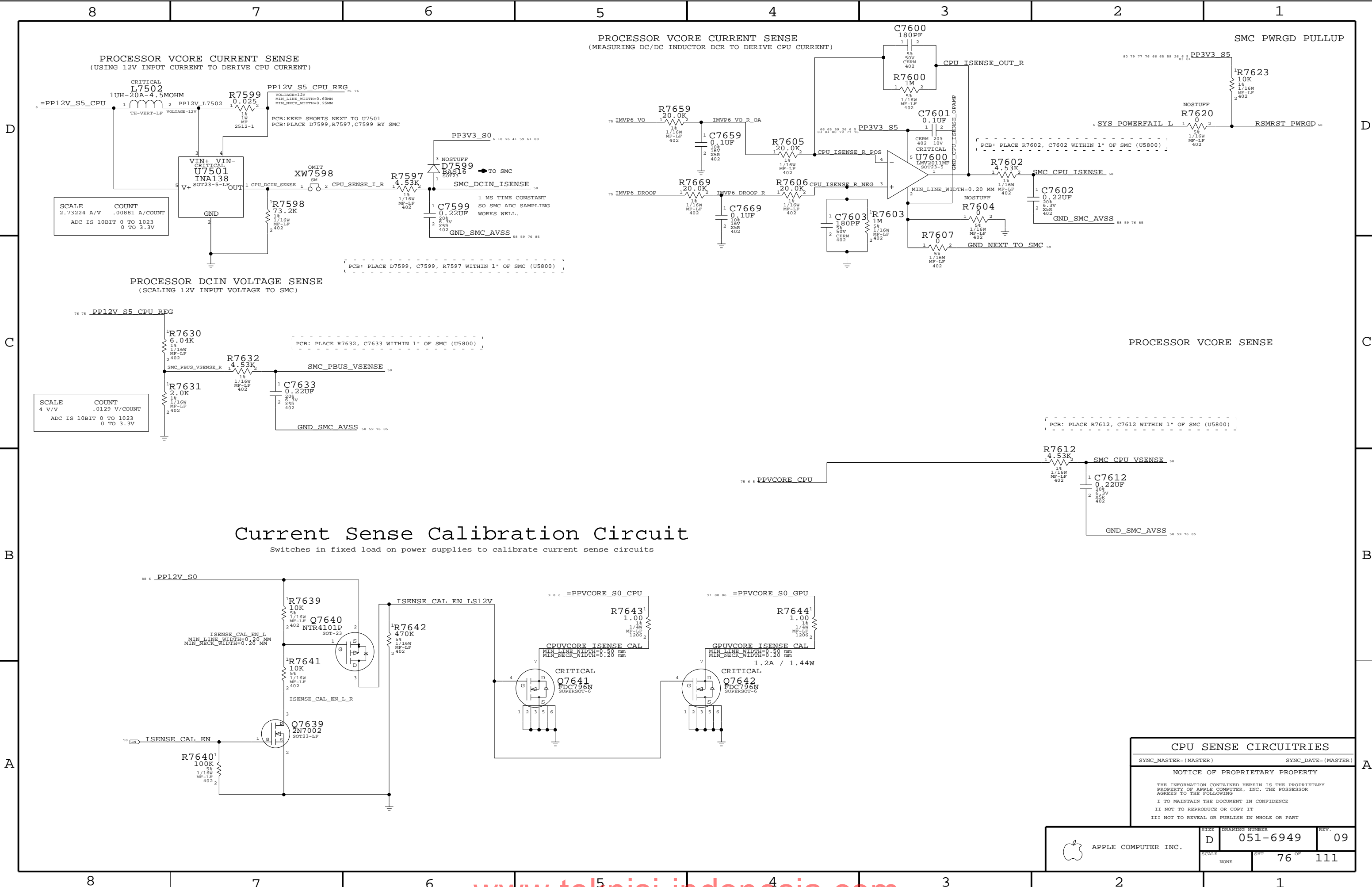
II NOT TO REPRODUCE OR COPY IT

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APPLE COMPUTER INC.	SCALE	DRAWING NUMBER	REV.
	NONE	D 051-6790	??
	SHT	73 OF 154	

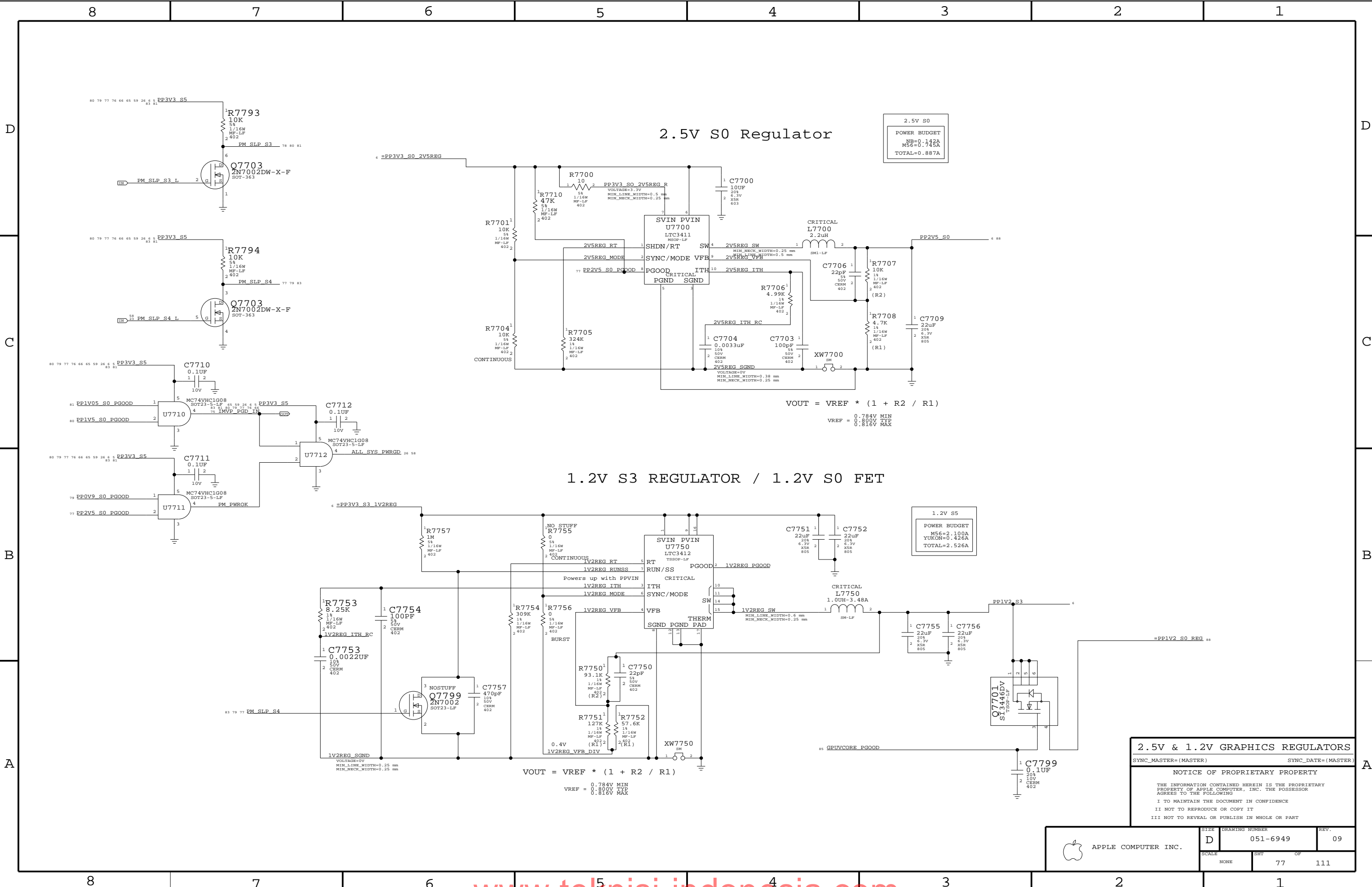






CPU SENSE CIRCUITRIES		
SYNC_MASTER=(MASTER)		SYNC_DATE=(MASTER)
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-6949	09
SCALE		SHT	76 OF 111
NONE			



2.5V S0 Regulator

2.5V S0
POWER BUDGET
NB=0.142A
MB=0.745A
TOTAL=0.887A

$VOUT = VREF * (1 + R2 / R1)$
 $VREF = 0.784V MIN$
 $VREF = 0.800V TYP$
 $VREF = 0.816V MAX$

1.2V S3 REGULATOR / 1.2V S0 FET

1.2V S5
POWER BUDGET
M56=2.100A
YUKON=0.426A
TOTAL=2.526A

$VOUT = VREF * (1 + R2 / R1)$
 $VREF = 0.784V MIN$
 $VREF = 0.800V TYP$
 $VREF = 0.816V MAX$

2.5V & 1.2V GRAPHICS REGULATORS

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

NOTICE OF PROPRIETARY PROPERTY

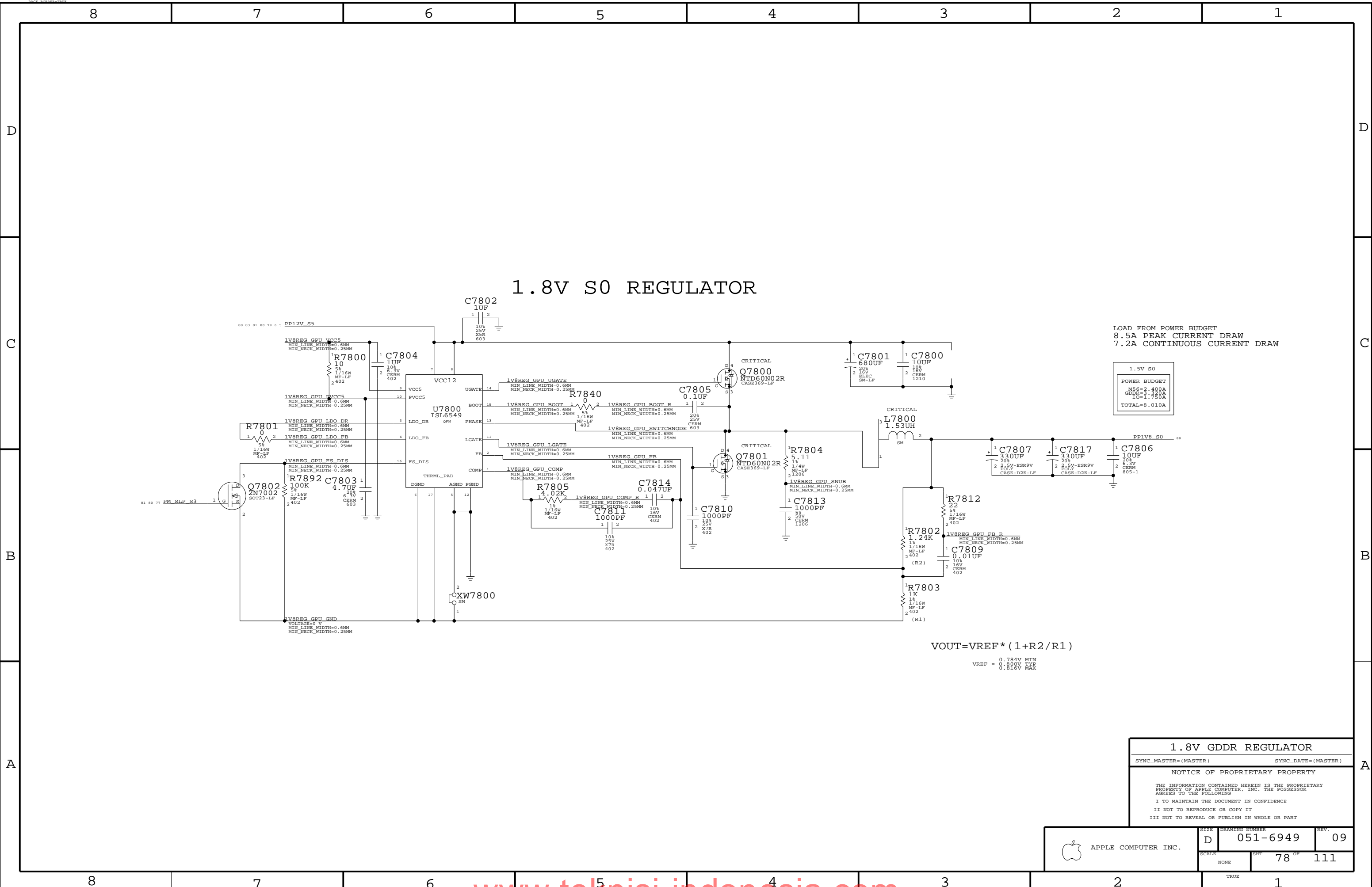
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-6949	09
	SCALE	SHT	OF
	NONE	77	111



1.8V S0 REGULATOR

LOAD FROM POWER BUDGET
8.5A PEAK CURRENT DRAW
7.2A CONTINUOUS CURRENT DRAW

1.5V S0	
POWER BUDGET	
M56=2.400A	
GDDR=1.200A	
TOTAL=8.010A	

$V_{OUT} = V_{REF} * (1 + R2/R1)$

VREF = 0.784V MIN
VREF = 0.800V TYP
VREF = 0.816V MAX

1.8V GDDR REGULATOR

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

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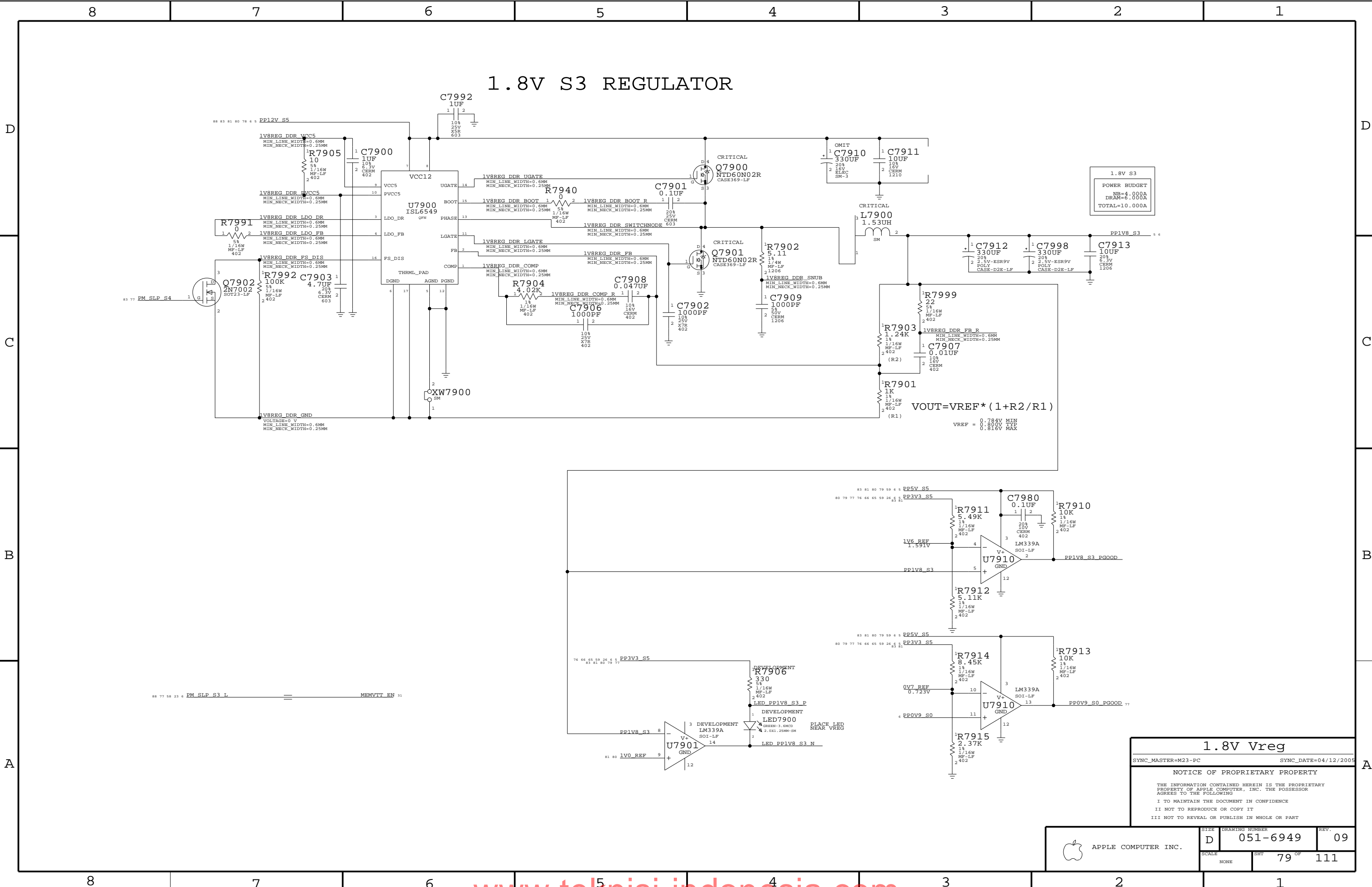
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APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-6949	09
SCALE	SHT	OF
NONE	78	111

TRUE



1.8V S3 REGULATOR

1.8V S3		
POWER BUDGET		
NB	=	4.000A
DSM	=	5.000A
TOTAL	=	10.000A

$$V_{OUT} = V_{REF} * (1 + R2/R1)$$

$$V_{REF} = 0.784V \text{ MIN}$$

$$0.800V \text{ TYP}$$

$$0.816V \text{ MAX}$$

1.8V Vreg

SYNC_MASTER=M23-PC

SYNC_DATE=04/12/2005

NOTICE OF PROPRIETARY PROPERTY

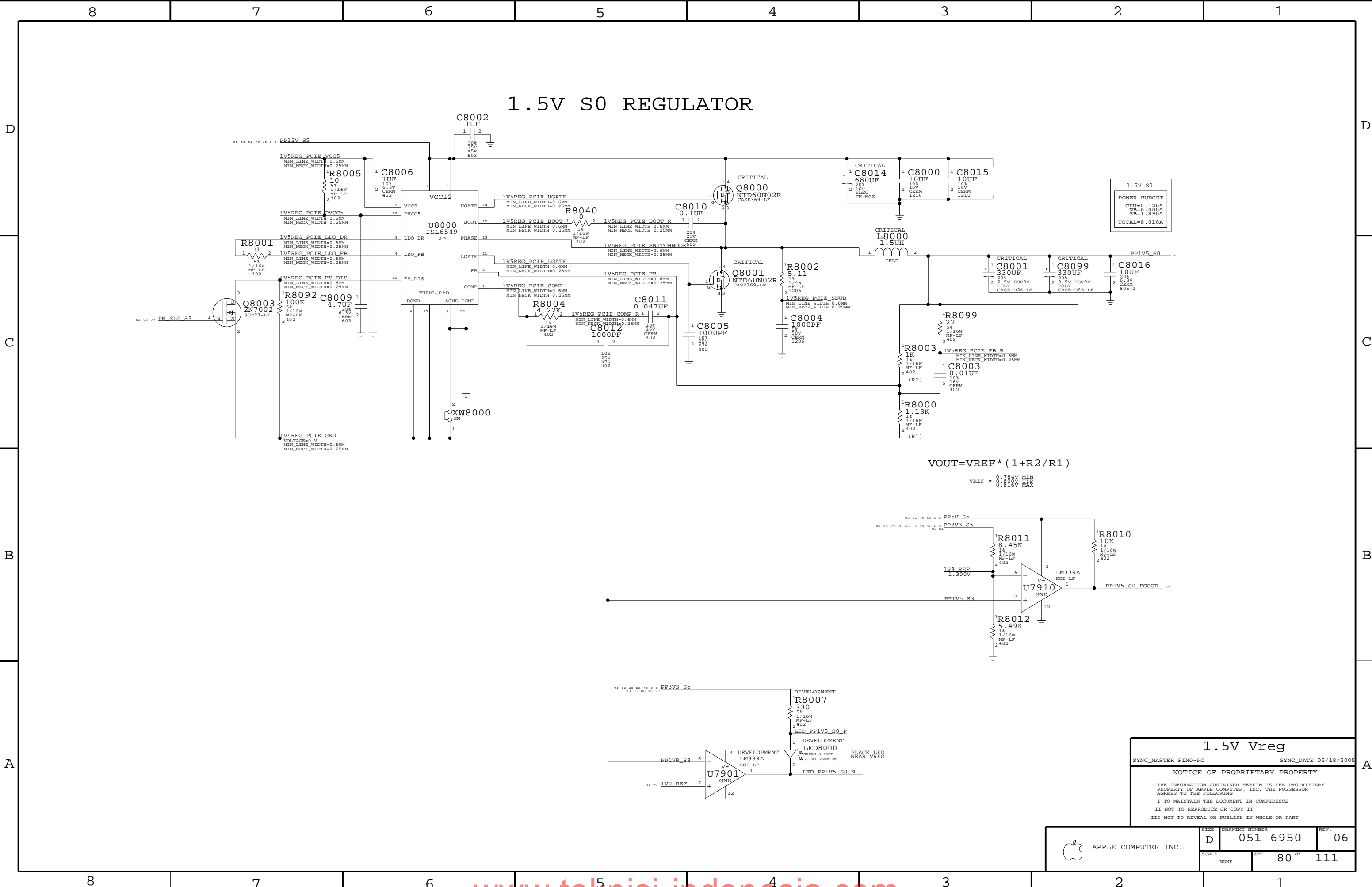
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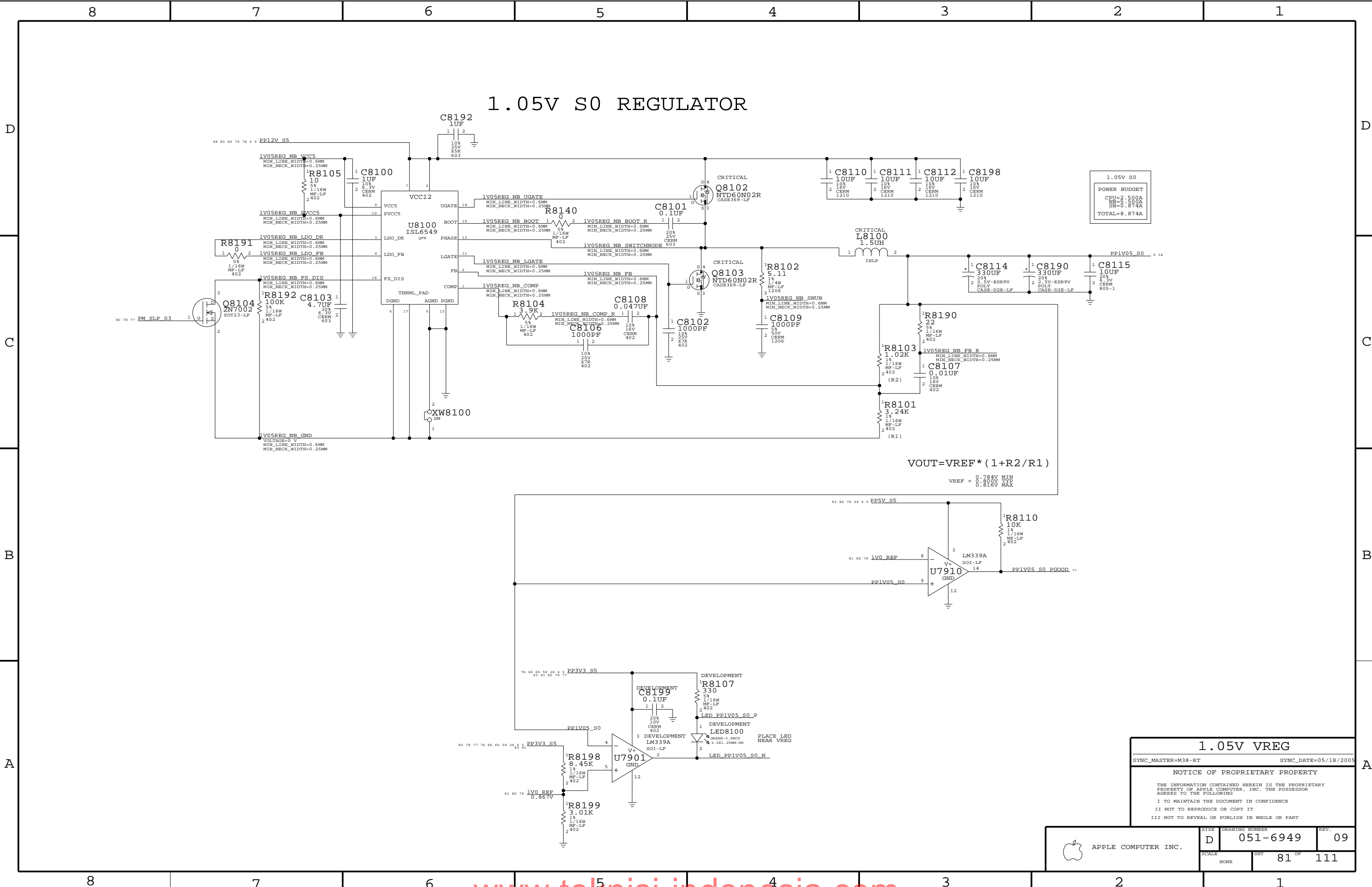
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-6949	09
SCALE		SHT	79 OF 111
NONE			





1.05V S0 REGULATOR

1.05V S0
POWER BUDGET
CPU=2.500A
NB=5.800A
SB=0.874A
TOTAL=8.874A

$$V_{OUT} = V_{REF} * (1 + R2/R1)$$

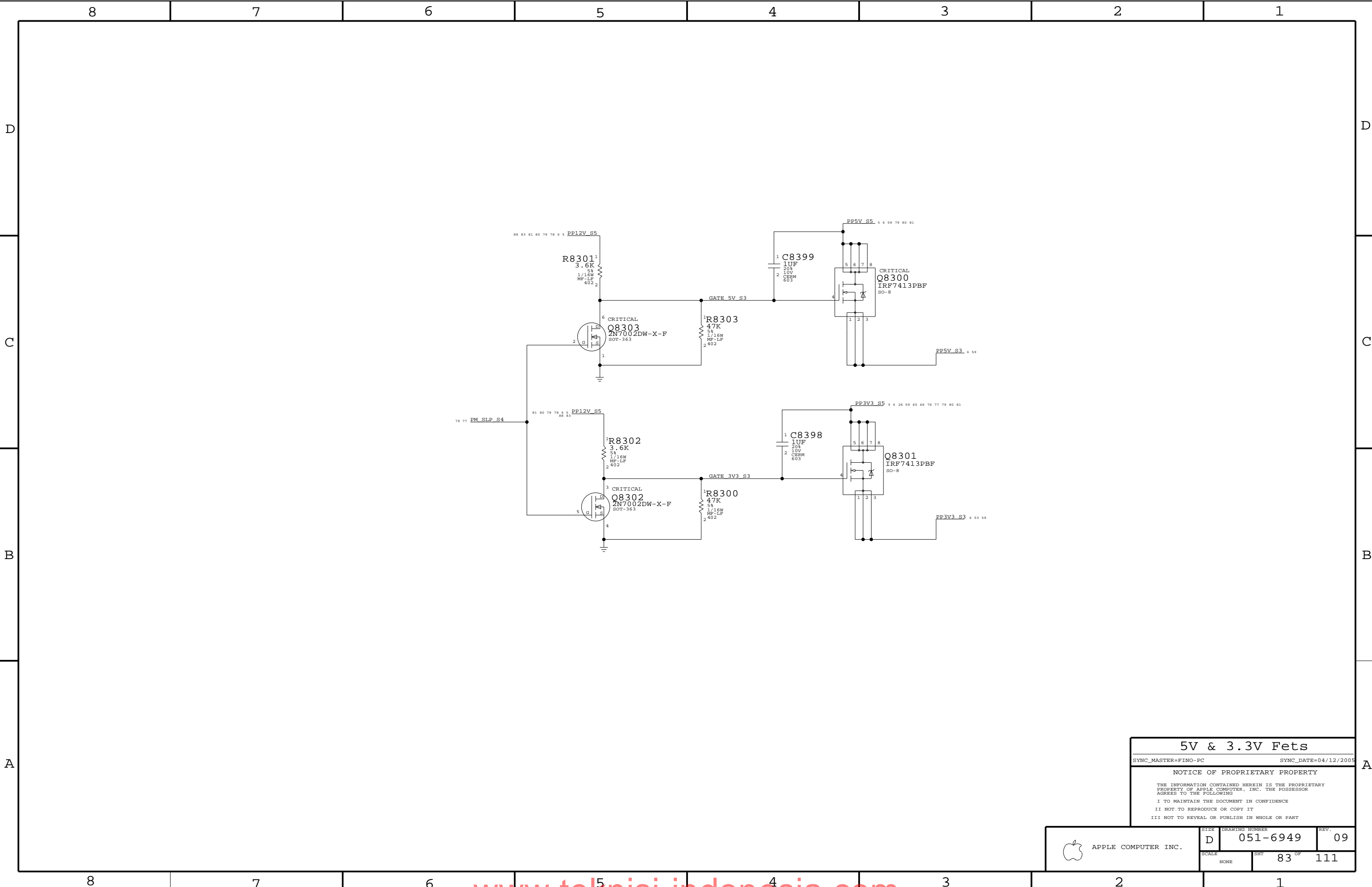
$$V_{REF} = 0.784V \text{ MIN}$$

$$V_{REF} = 0.800V \text{ TYP}$$

$$V_{REF} = 0.816V \text{ MAX}$$

1.05V VREG	
SYNC_MASTER=M38-RT	SYNC_DATE=05/18/2005
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-6949	09
SCALE		SHT	81 OF 111
NONE			



5V & 3.3V Fets

SYNC_MASTER=FINO-PC SYNC_DATE=04/12/2005

NOTICE OF PROPRIETARY PROPERTY

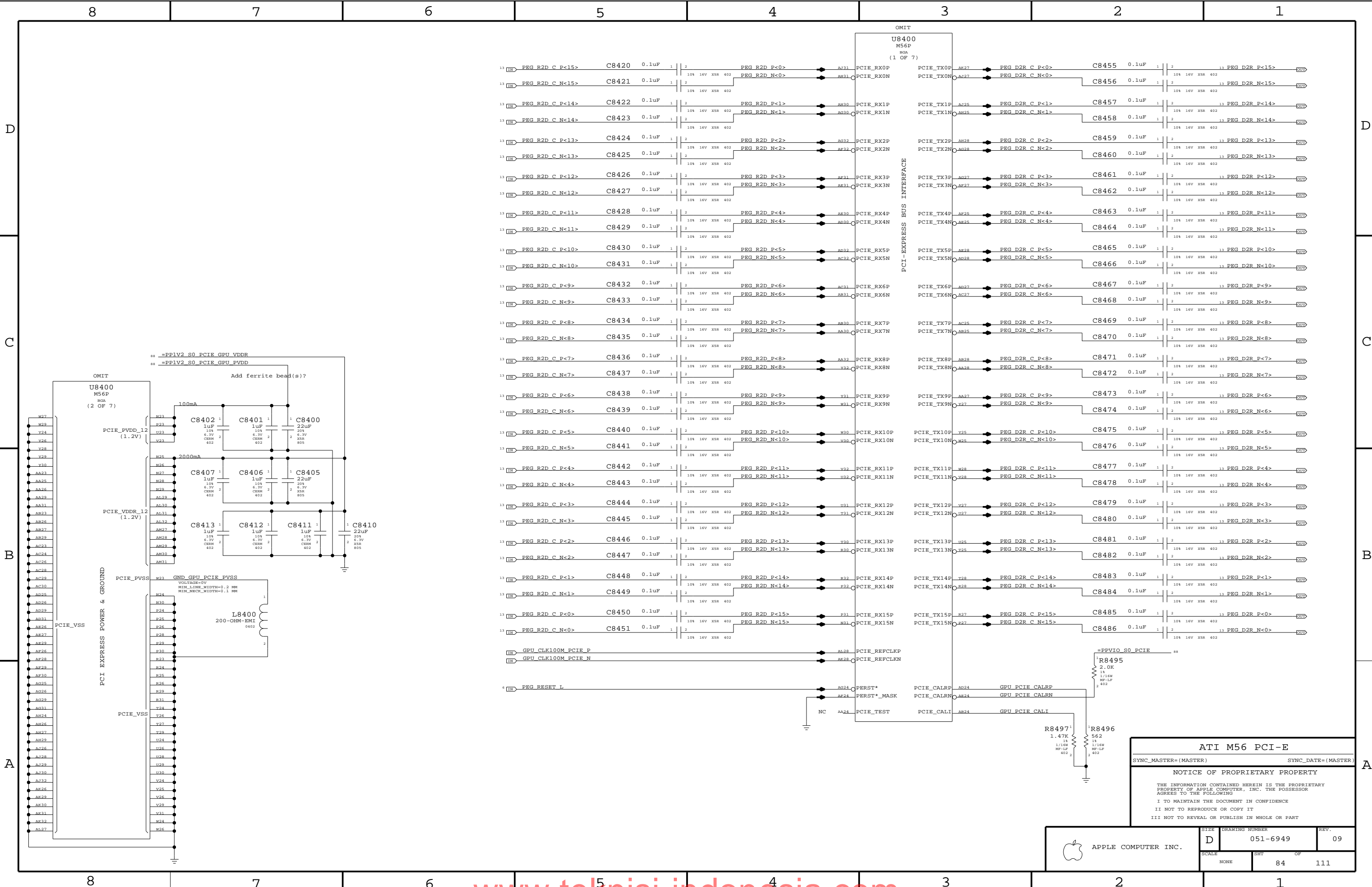
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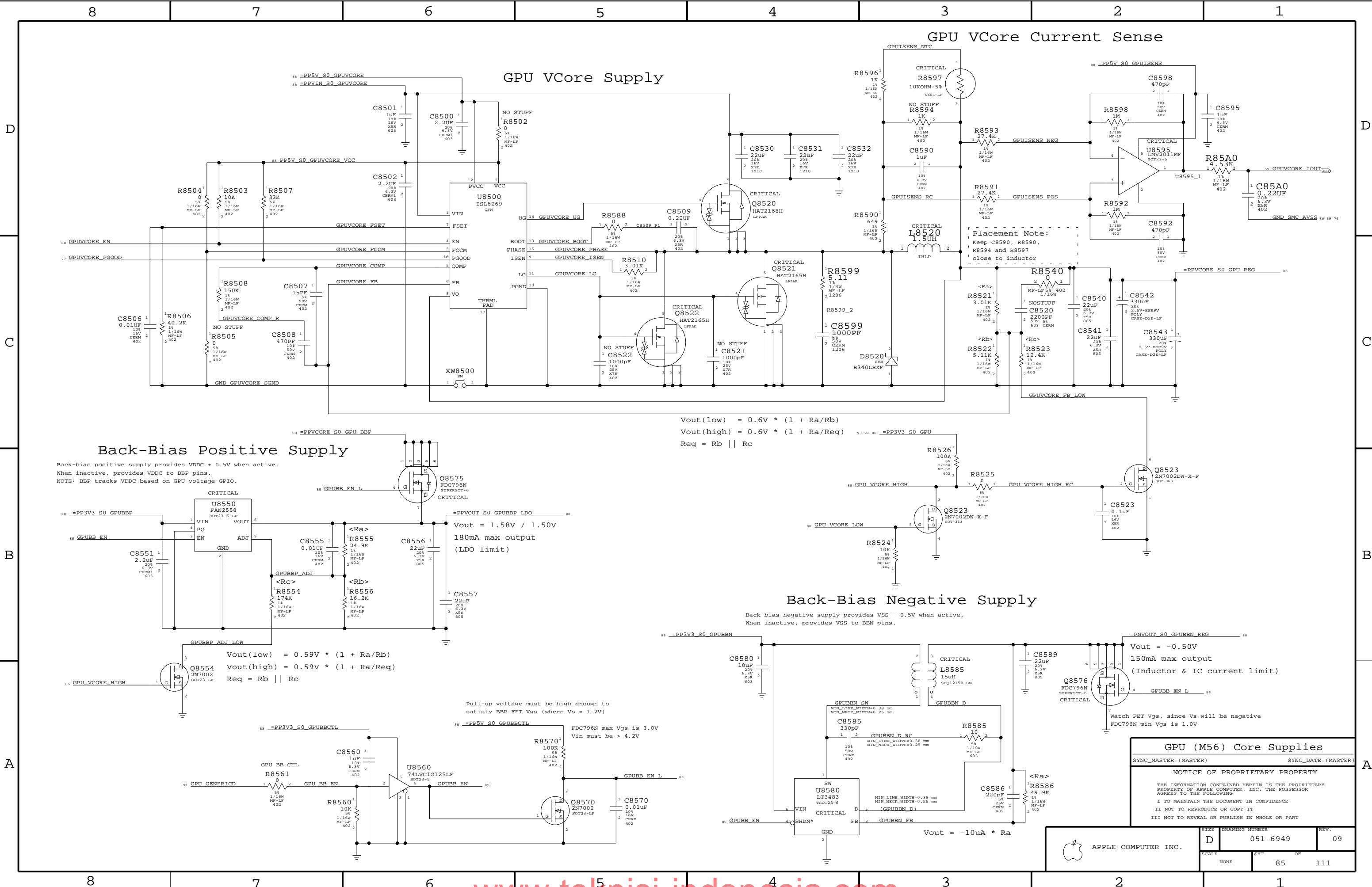
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-6949	09
SCALE		SHT	83 OF 111
NONE			





$$V_{out(LOW)} = 0.6V \cdot (1 + R_a/R_b)$$
$$V_{out(HIGH)} = 0.6V \cdot (1 + R_a/R_{eq})$$
$$R_{eq} = R_b || R_c$$

Back-bias negative supply provides VSS - 0.5V when active.
When inactive, provides VSS to BBN pins.

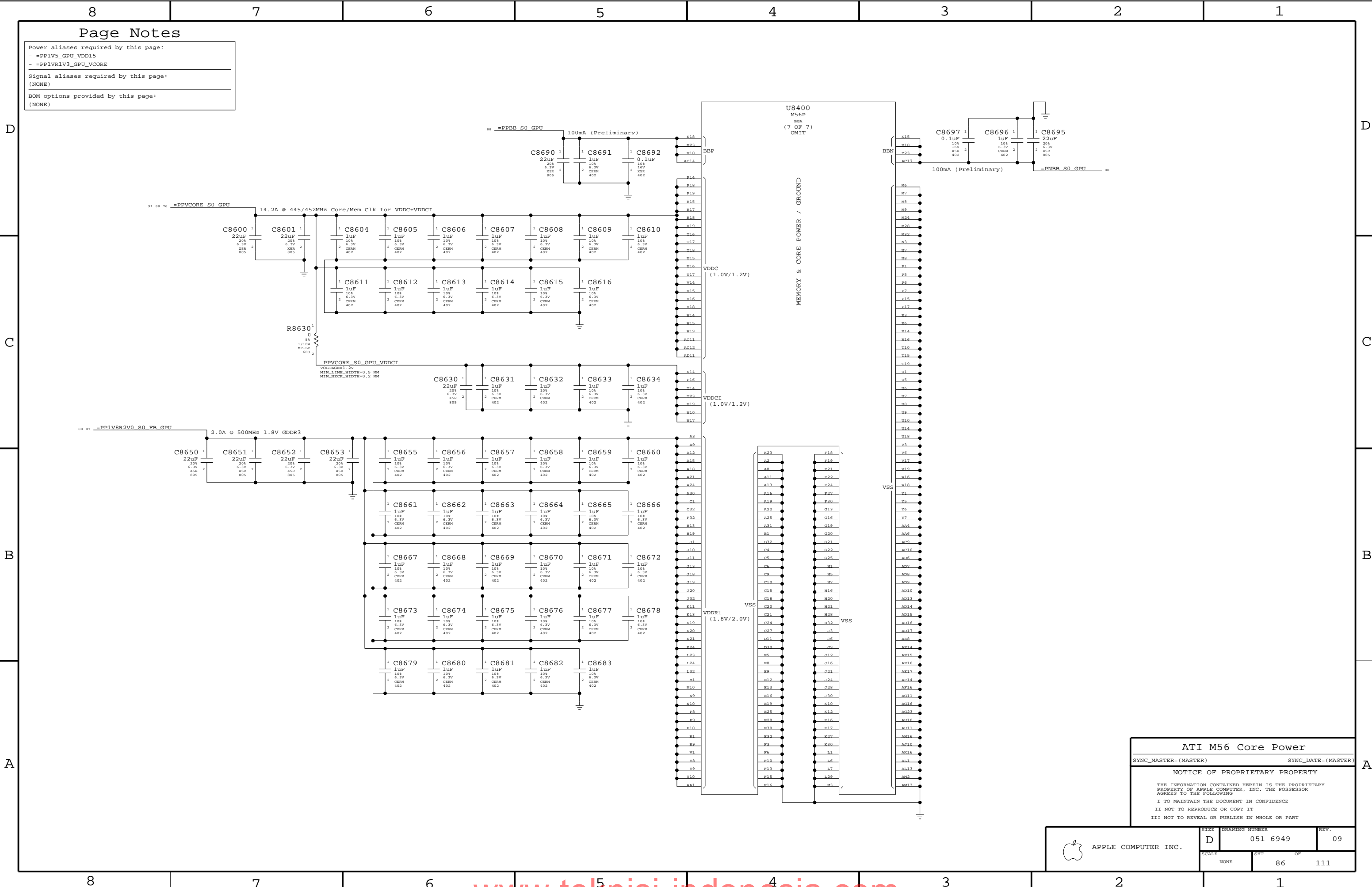
$$V_{out(LOW)} = 0.59V \cdot (1 + R_a/R_b)$$
$$V_{out(HIGH)} = 0.59V \cdot (1 + R_a/R_{eq})$$
$$R_{eq} = R_b || R_c$$

Pull-up voltage must be high enough to satisfy BBP FET Vgs (where Vs = 1.2V)

$V_{out} = -0.50V$
150mA max output
(Inductor & IC current limit)

Watch FET Vgs, since Vs will be negative
FDC796N min Vgs is 1.0V

$$V_{out} = -10\mu A \cdot R_a$$



Page Notes

Power aliases required by this page:

- =PP1V5_GPU_VDD15
- =PP1VR1V3_GPU_VCORE

Signal aliases required by this page:

(NONE)

BOM options provided by this page:

(NONE)

ATI M56 Core Power

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

NOTICE OF PROPRIETARY PROPERTY

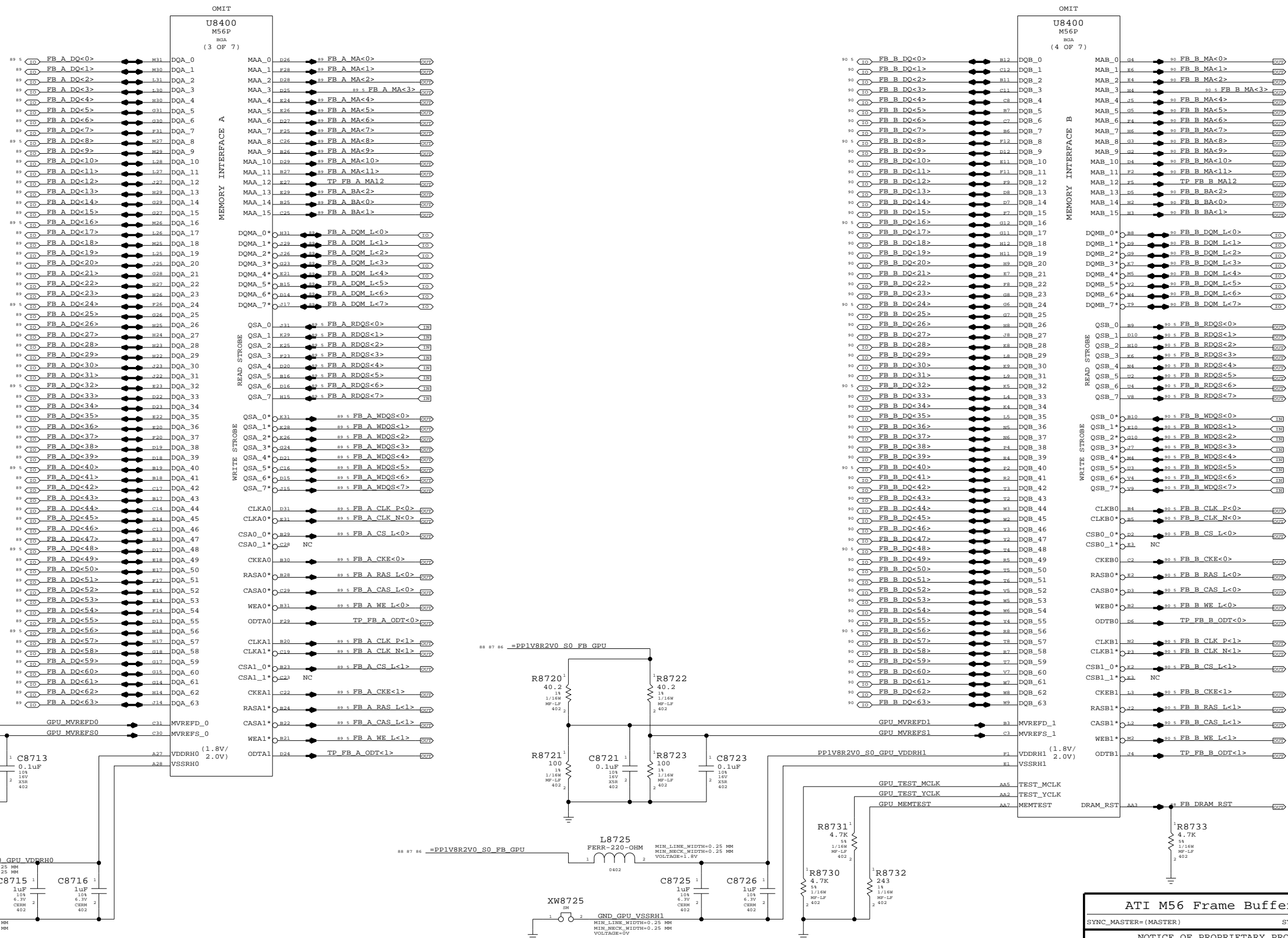
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APPLE COMPUTER INC.	DRAWING NUMBER		REV.
	D	051-6949	09
SCALE		SHT	OF
NONE		86	111



```

      ATI M56 Frame Buffer I/F
SYNC_MASTER=(MASTER)                                SYNC_DATE=(MASTER)

      NOTICE OF PROPRIETARY PROPERTY

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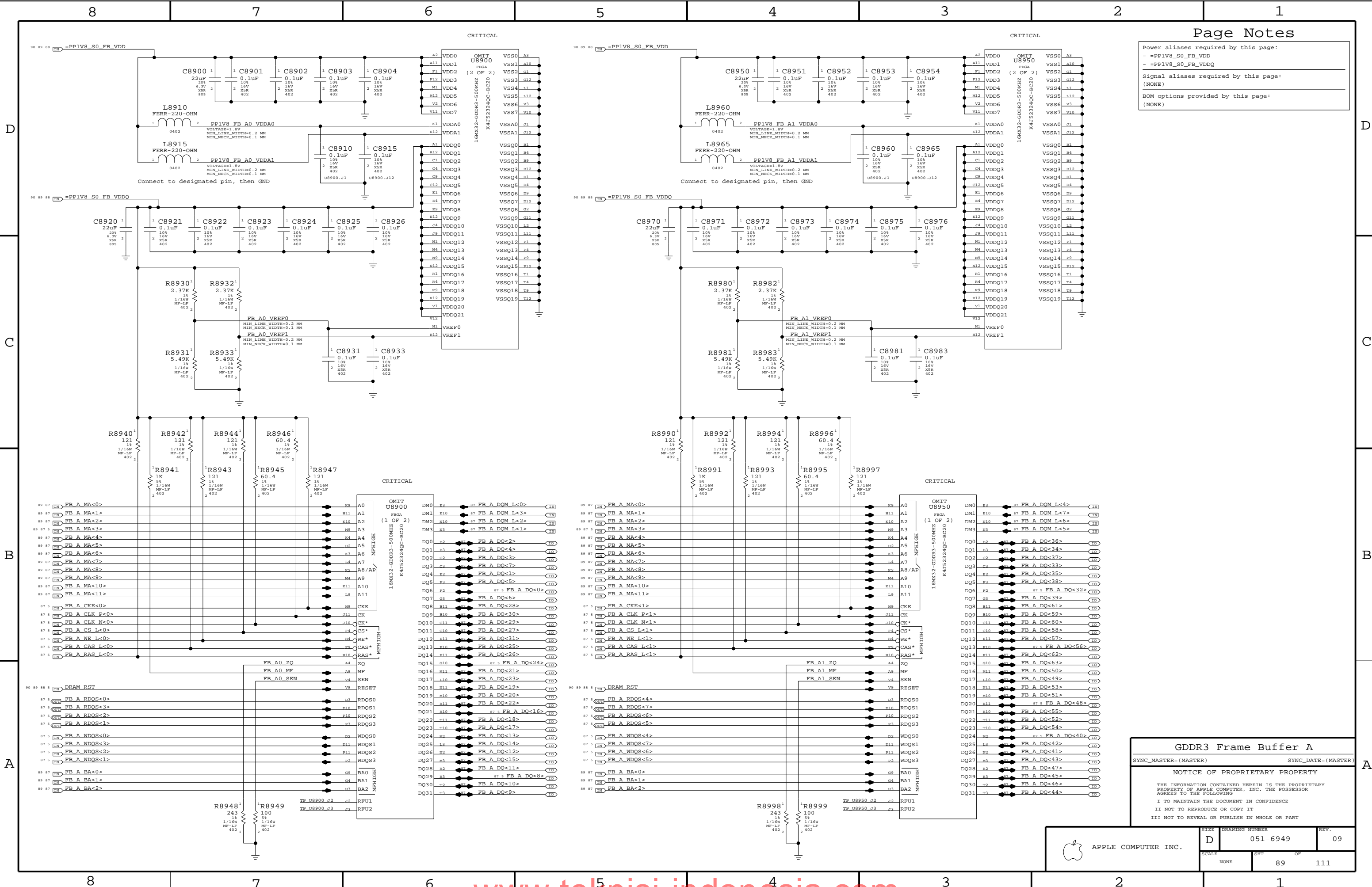
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      III NOT TO REVEAL OR PUBLISH IN WHOLE OR PART

```





Page Notes

Power aliases required by this page:

- =PP1V8_S0_FB_VDD
- =PP1V8_S0_FB_VDDQ

Signal aliases required by this page:

(NONE)

BOM options provided by this page:

(NONE)

GDDR3 Frame Buffer A

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

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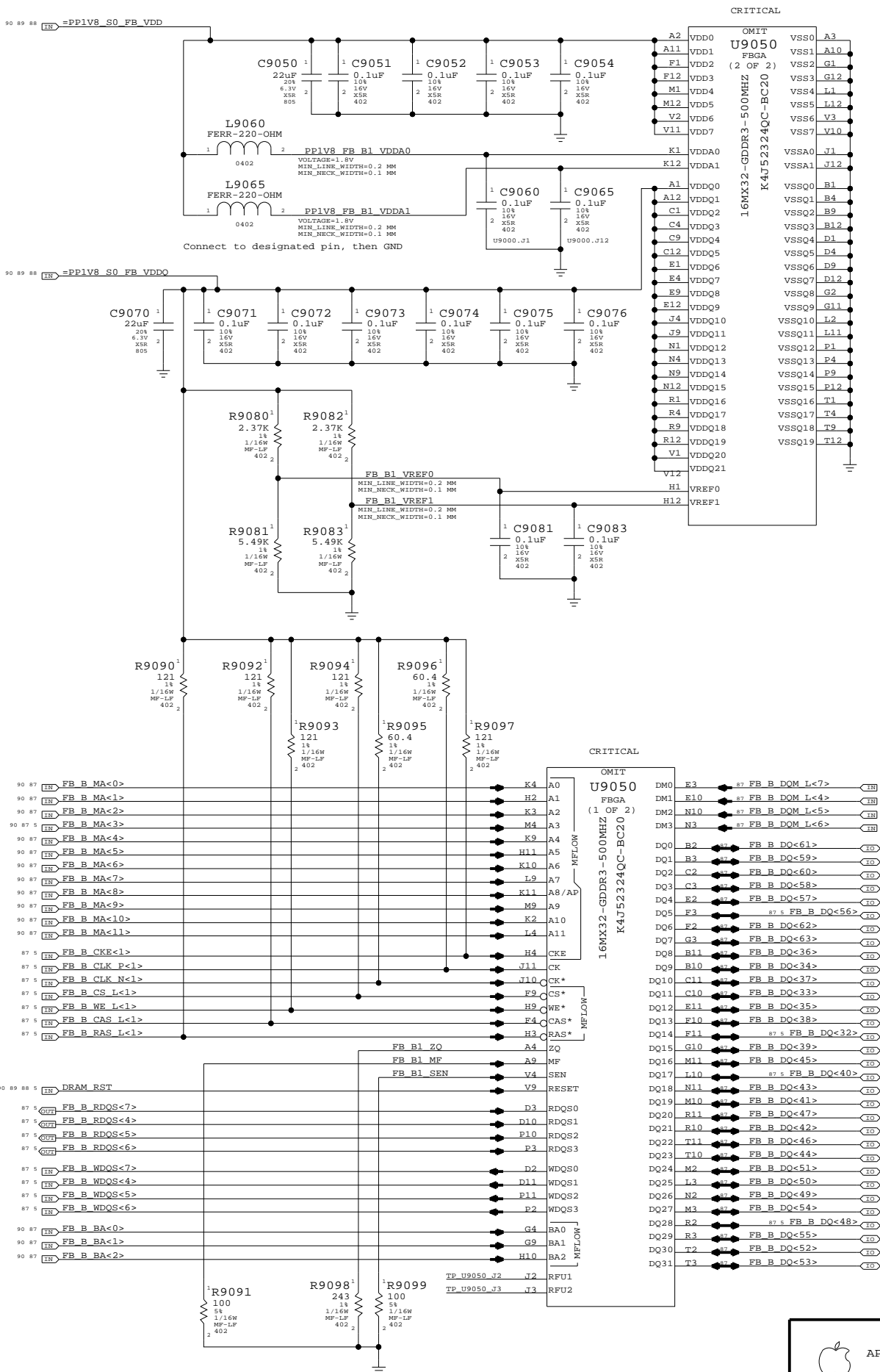
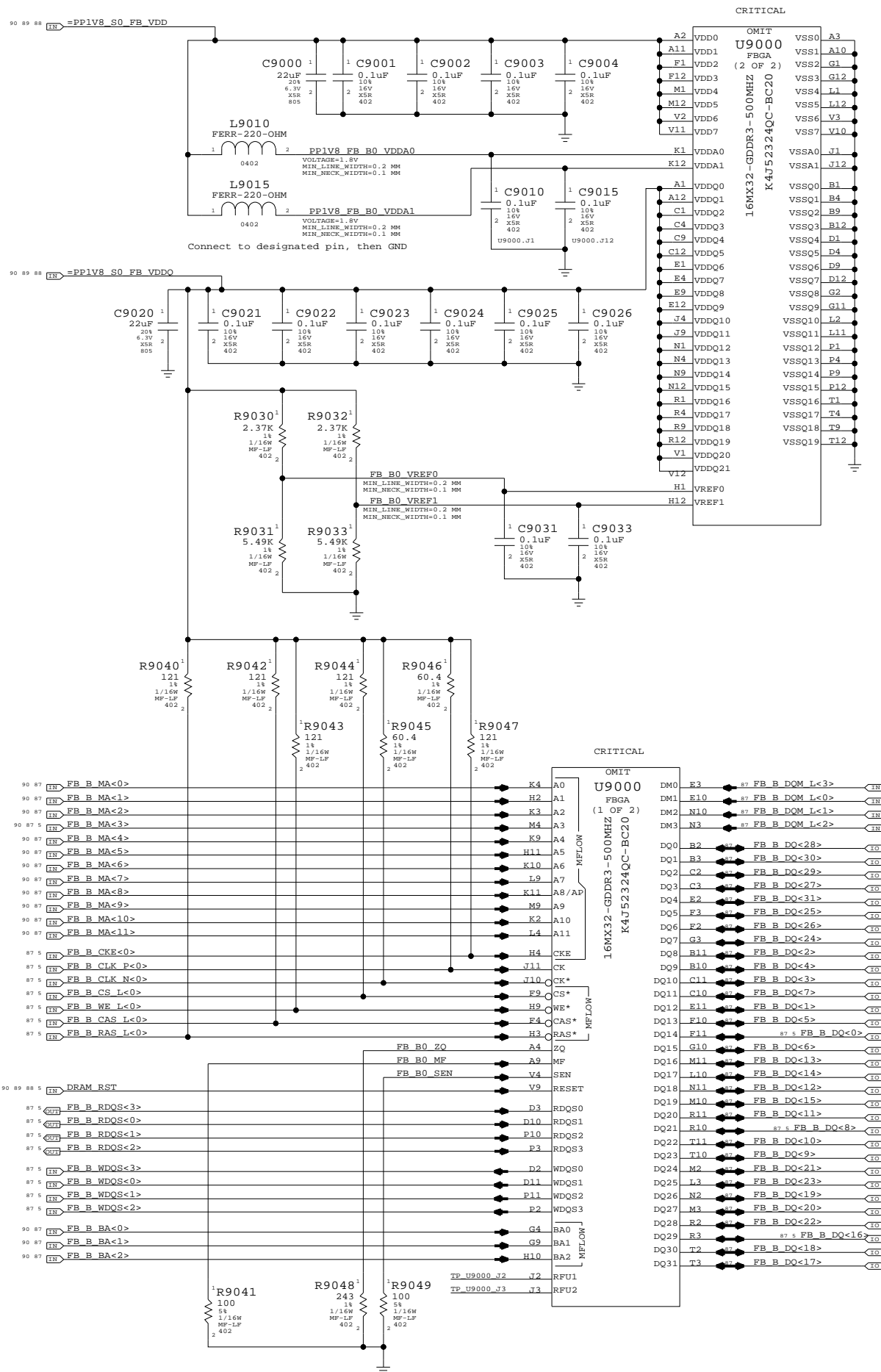
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Power aliases required by this page:
 - =PP1V8_S0_FB_VDD
 - =PP1V8_S0_FB_VDDQ

Signal aliases required by this page:
 (NONE)

BOM options provided by this page:
 (NONE)



GDDR3 Frame Buffer B

SYNC_MASTER=(MASTER) SYNC_DATE=(MASTER)

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APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-6950	06
SCALE	SHT	OF
NONE	90	111

Power aliases required by this page:

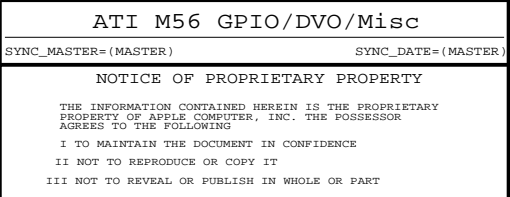
- PP3V3_GPU_GPIOS
- PP2V5_PVDD
- PP1V8_GPU_LVDS_PLL

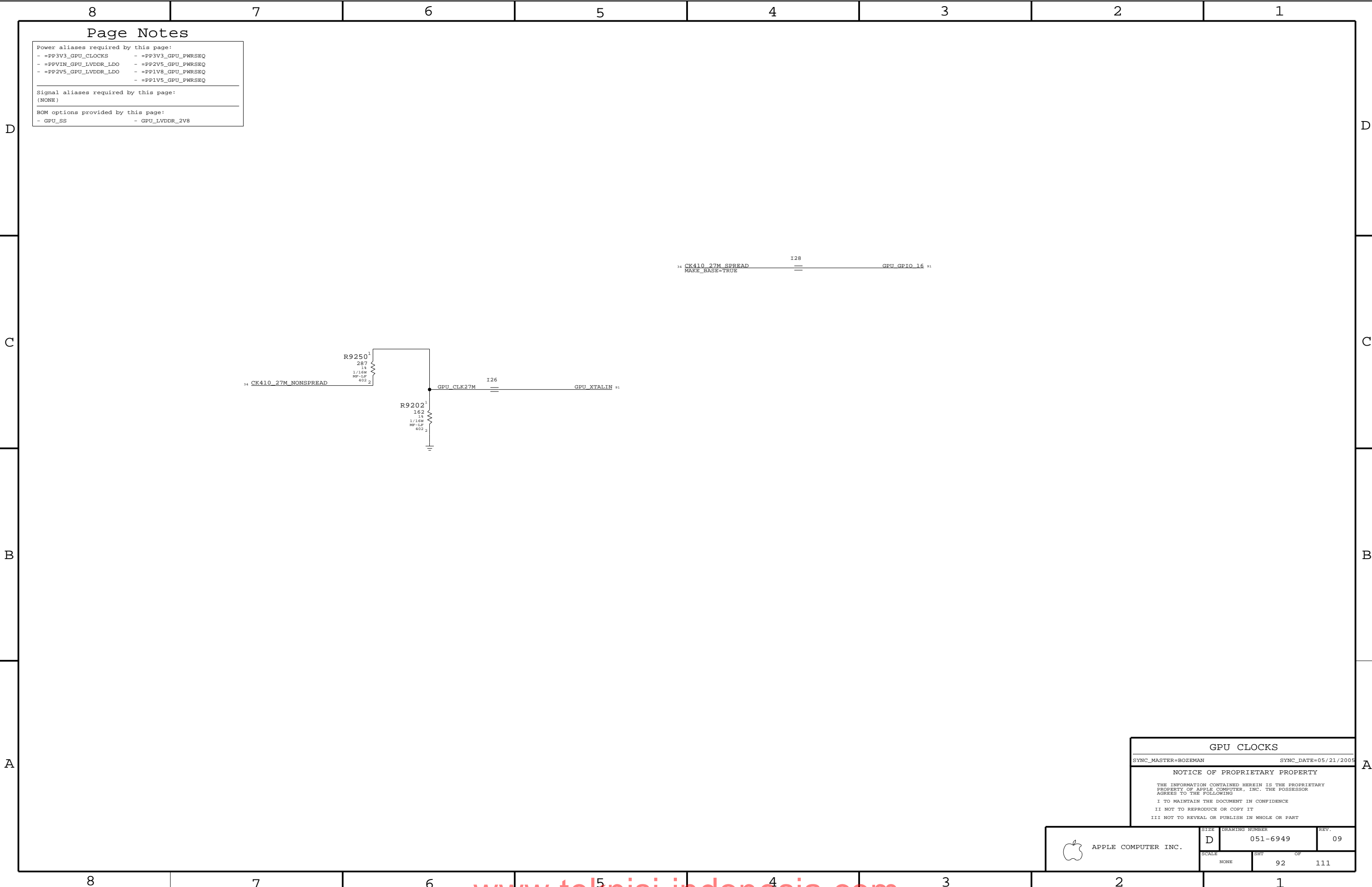
Signal aliases required by this page:

- I2C_GPU_TMD5_SDA - I2C data line for external TMD5 transmitters
- I2C_GPU_TMD5_SCL - I2C clock line for external TMD5 transmitters

BOM options provided by this page:

(NONE)

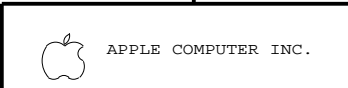




Page Notes

- Power aliases required by this page:
- =PP3V3_GPU_CLOCKS
 - =PP3V3_GPU_PWRSEQ
 - =PPVIN_GPU_LVDDR_LDO
 - =PP2V5_GPU_PWRSEQ
 - =PP2V5_GPU_LVDDR_LDO
 - =PP1V8_GPU_PWRSEQ
 - =PP1V5_GPU_PWRSEQ
- Signal aliases required by this page:
- (NONE)
- BOM options provided by this page:
- GPU_SS
 - GPU_LVDDR_2V8

GPU CLOCKS			
SYNC_MASTER=BOZEMAN		SYNC_DATE=05/21/2009	
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SIZE		DRAWING NUMBER	
D		051-6949	
SCALE		REV.	
NONE		09	
SHT		OF	
92		111	



```
Power aliases required by this page:
- =PP2V5_S0_GPU
- =Pp1V8R2V5_S0_GPU_LVDDR
```

```
Signal aliases required by this page:
(NONE)
```

```
BOM options provided by this page:
(NONE)
```

94 93 LVDS_L_CLK_P

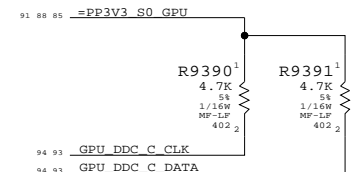
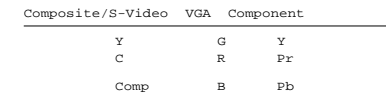
TMDS_PANEL
R9370¹
100
5k
1/16W
MF-LF
402²

TMDS_PANEL
R9371¹
100
5%
1/16W
MF-LF
402₂

TMDS_PANEL
R9372¹
100
5%
1/16W
MF-LF
402²

94 93 LVDS_L_DATA P<2>

TMD5_PANEL
R9373¹
100
5%
1/16W
MF-LF



SYNC_MASTER= (MASTER)	SYNC_DATE= (MASTER)
-------------------------	-----------------------

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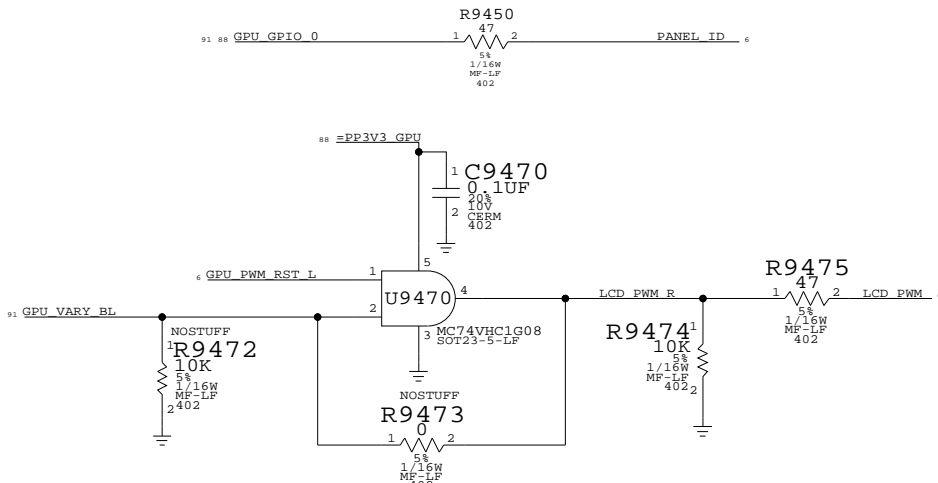
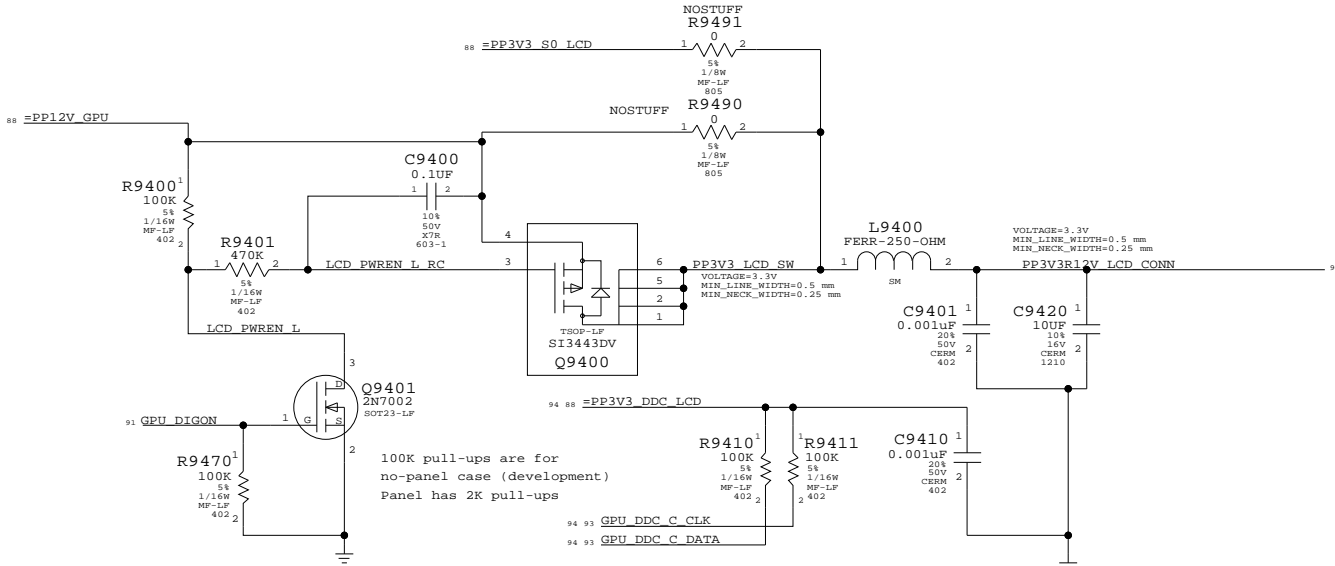
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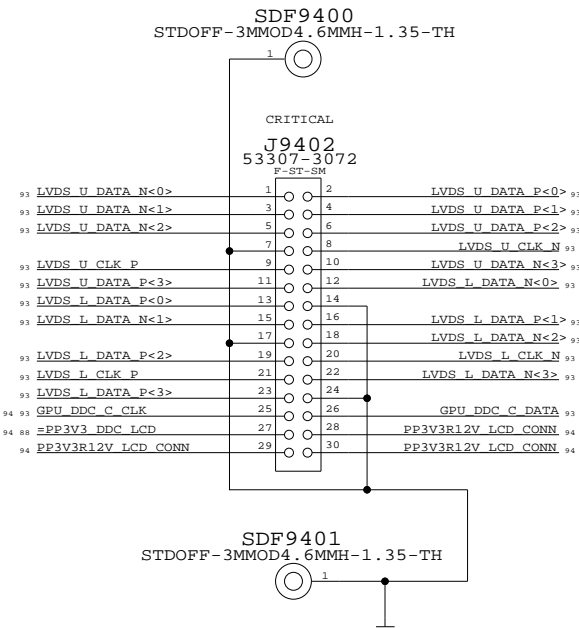
SIZE	DRAWING NUMBER	REV.
D	051-6949	01
SCALE	SHT	OF
NONE	93	111

INVERTER INTERFACE

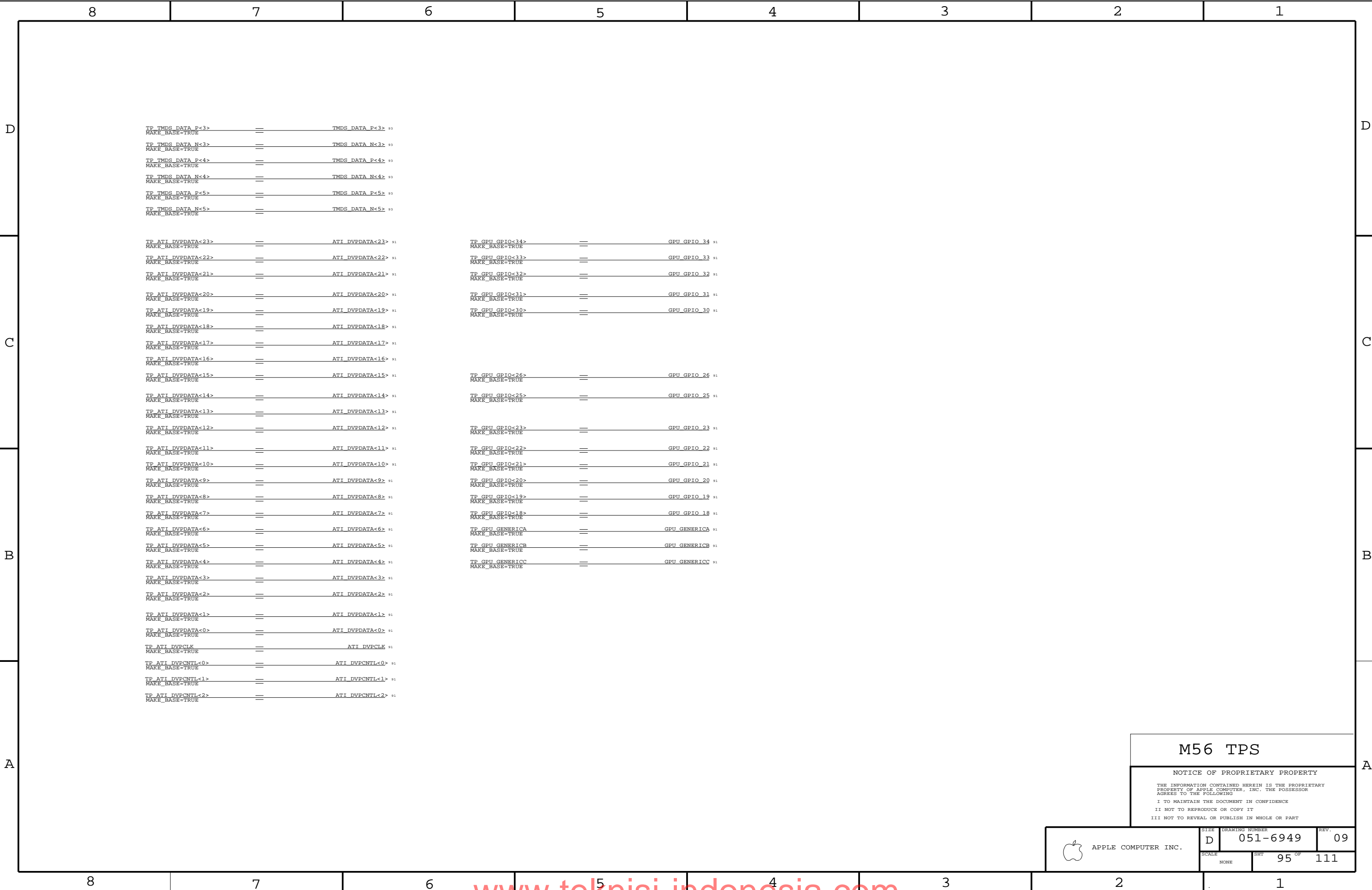
LCD (LVDS) INTERFACE

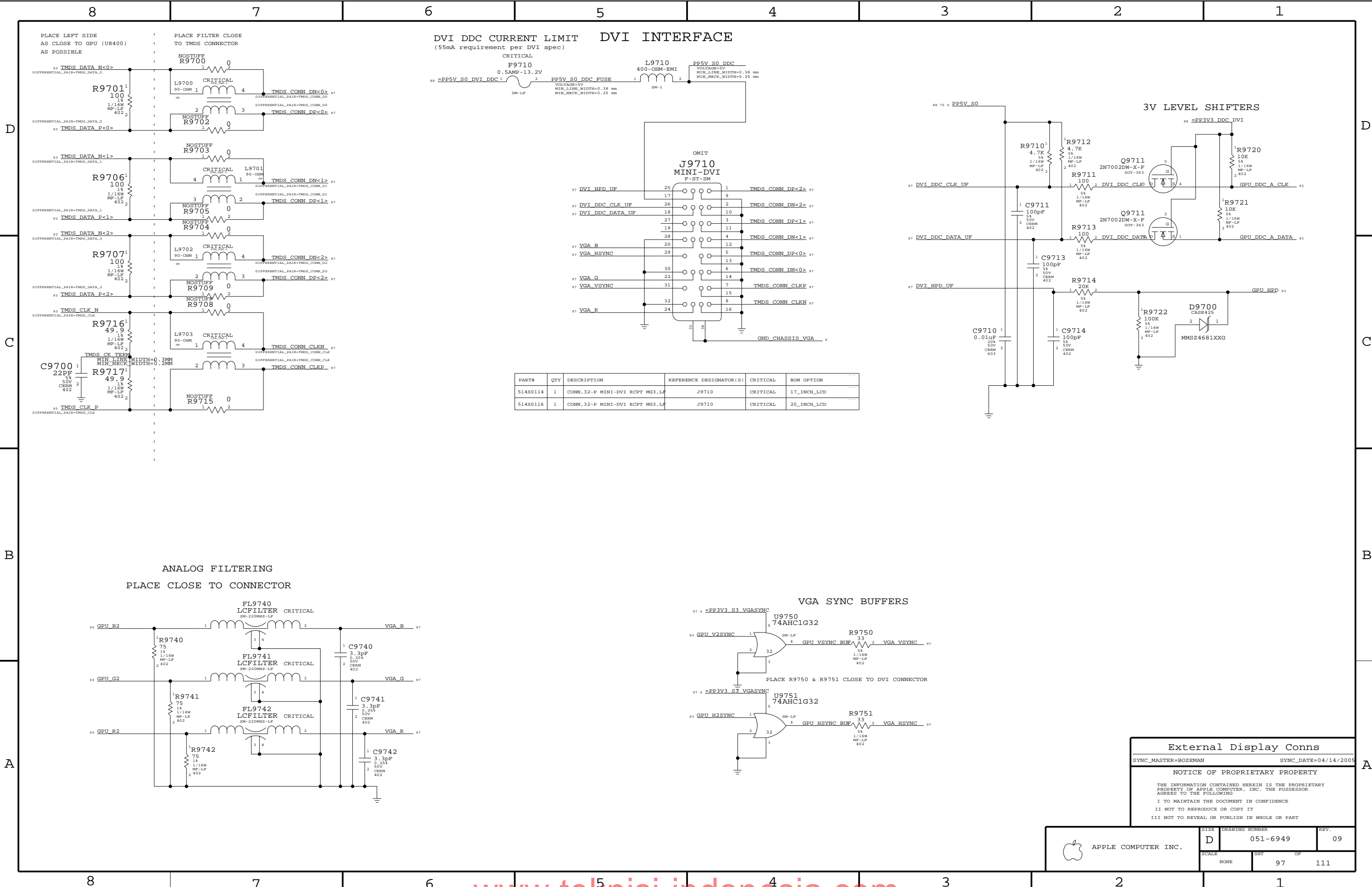


GATE TO PREVENT LEAKAGE ONTO PWM
MIGHT BE ABLE TO BYPASS IF SMC DRIVES SIGNAL



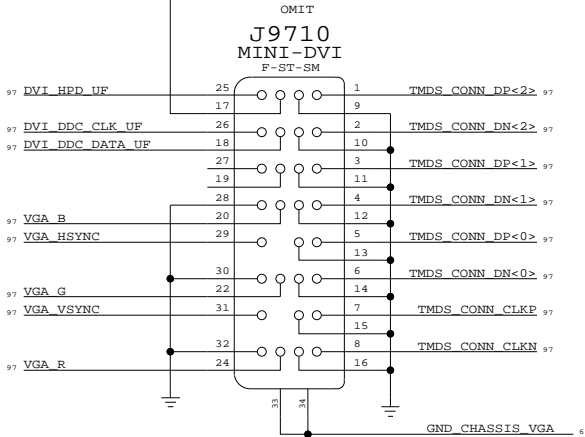
Internal Display Conns			
SYNC_MASTER=BOZEMAN		SYNC_DATE=04/27/2005	
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SIZE	DRAWING NUMBER		REV.
D	051-6950		06
SCALE	SHT	OF	
NONE	94	111	





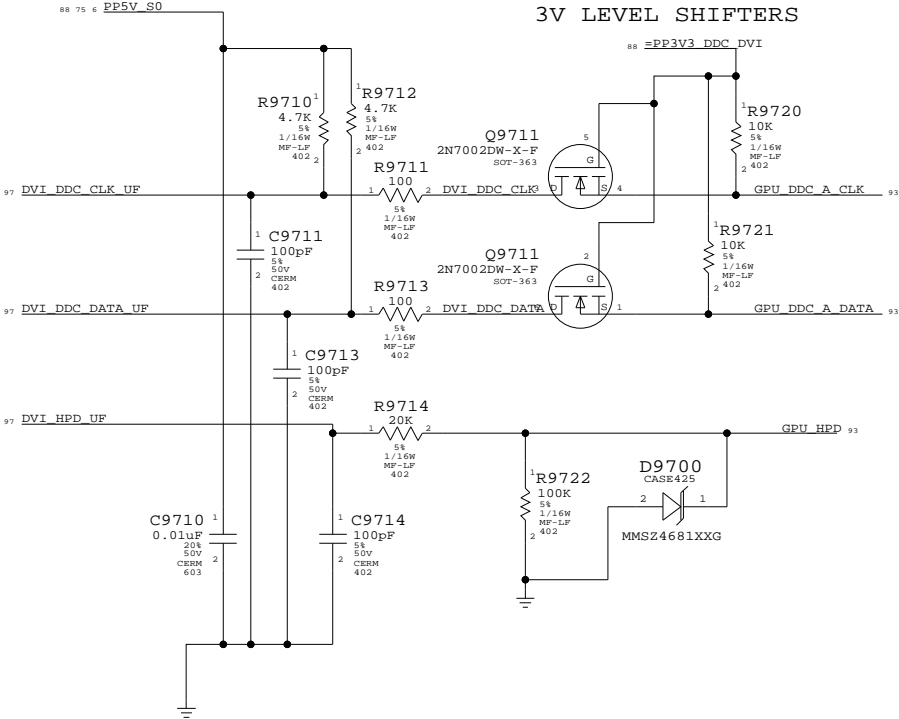
DVI DDC CURRENT LIMIT DVI INTERFACE

(55mA requirement per DVI spec)
CRITICAL
F9710 0.5AMP-13.2V
L9710 400-OHM-EMI
PP5V_S0 DDC FUSE
VOLTAGE=5V
MIN_LINE_WIDTH=0.38 mm
MIN_NECK_WIDTH=0.25 mm

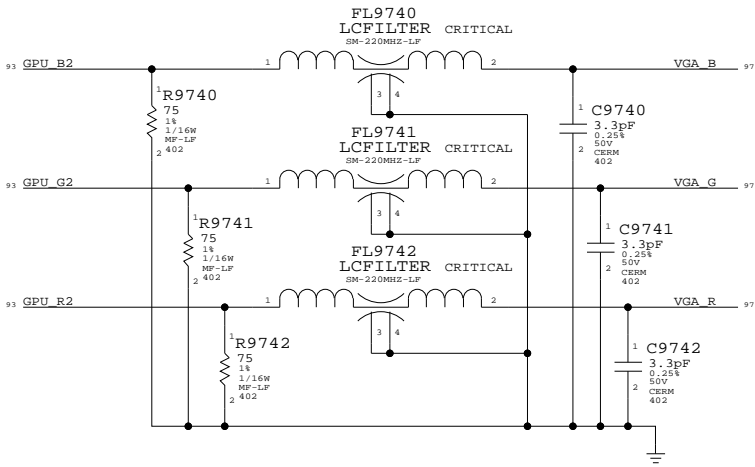


PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
514S0114	1	CONN, 32-P MINI-DVI RCPT MG3, LF	J9710	CRITICAL	17_INCH_LCD
514S0116	1	CONN, 32-P MINI-DVI RCPT MG3, LF	J9710	CRITICAL	20_INCH_LCD

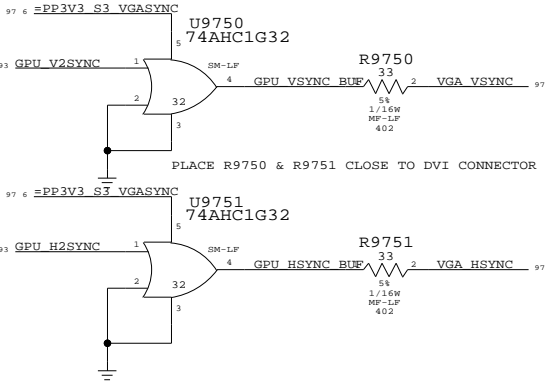
3V LEVEL SHIFTERS



ANALOG FILTERING
PLACE CLOSE TO CONNECTOR



VGA SYNC BUFFERS



External Display Conns

SYNC_MASTER=BOZEMAN SYNC_DATE=04/14/2005

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SIZE	DRAWING NUMBER	REV.
D	051-6949	09
SCALE	SHT	OF
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D	C7512	CAP_603	m39[75C2]	C8420	CAP_402	m39[84D5]	C8658	CAP_402	m39[86B5]	C9136	CAP_402	m39[91A6]	C	C9137	CAP_402	m39[91A5]	B	C9140	CAP_805	m39[91A6]	A	C9141	CAP_402	m39[91A6]
	C7513	CAP_402	m39[75B7]	C8421	CAP_402	m39[84D5]	C8659	CAP_402	m39[86B5]	C9142	CAP_402	m39[91A5]		C9191	CAP_402	m39[91D2]		C9300	CAP_805	m39[93C6]		C9301	CAP_402	m39[93C6]
	C7514	CAP_402	m39[75B8]	C8422	CAP_402	m39[84D5]	C8660	CAP_402	m39[86B5]	C9302	CAP_402	m39[93C5]		C9305	CAP_805	m39[93C6]		C9306	CAP_402	m39[93C6]		C9307	CAP_402	m39[93C5]
	C7515	CAP_603	m39[75C4]	C8423	CAP_402	m39[84D5]	C8661	CAP_402	m39[86B6]	C9310	CAP_805	m39[93C6]		C9311	CAP_402	m39[93C6]		C9312	CAP_402	m39[93C5]		C9315	CAP_805	m39[93B8]
	C7516	CAP_402	m39[75B4]	C8424	CAP_402	m39[84D5]	C8662	CAP_402	m39[86B6]	C9316	CAP_402	m39[93B8]		C9317	CAP_402	m39[93B7]		C9320	CAP_805	m39[93B6]		C9321	CAP_402	m39[93B6]
	C7517	CAP_P_SM-3	m39[75D2]	C8425	CAP_402	m39[84D5]	C8663	CAP_402	m39[86B6]	C9322	CAP_402	m39[93B5]		C9325	CAP_805	m39[93B8]		C9326	CAP_402	m39[93B8]		C9327	CAP_402	m39[93B7]
	C7518	CAP_P_SM-3	m39[75D2]	C8426	CAP_402	m39[84D5]	C8664	CAP_402	m39[86B5]	C9330	CAP_805	m39[93B6]		C9331	CAP_402	m39[93B6]		C9332	CAP_402	m39[93B5]		C9340	CAP_805	m39[93A6]
	C7521	CAP_402	m39[75A6]	C8427	CAP_402	m39[84D5]	C8665	CAP_402	m39[86B5]	C9341	CAP_402	m39[93A6]		C9342	CAP_402	m39[93A5]		C9345	CAP_805	m39[93A6]		C9346	CAP_402	m39[93A5]
	C7526	CAP_603	m39[75D6]	C8428	CAP_402	m39[84D5]	C8666	CAP_402	m39[86B5]	C9347	CAP_402	m39[93A5]		C9400	CAP_603-1	m39[94C7]		C9401	CAP_402	m39[94C6]		C9410	CAP_402	m39[94C6]
	C7527	CAP_603	m39[75C5]	C8429	CAP_402	m39[84C5]	C8667	CAP_402	m39[86B6]	C9420	CAP_1210	m39[94C5]		C9470	CAP_402	m39[94B2]		C9700	CAP_402	m39[97C8]		C9710	CAP_603	m39[97C3]
C7528	CAP_402	m39[75B5]	C8430	CAP_402	m39[84C5]	C8668	CAP_402	m39[86B6]	C9711	CAP_402	m39[97D3]	C9713	CAP_402	m39[97C2]	C9714	CAP_402	m39[97C2]	C9740	CAP_402	m39[97A7]				
C7529	CAP_402	m39[75B5]	C8431	CAP_402	m39[84C5]	C8669	CAP_402	m39[86B6]	C9741	CAP_402	m39[97A6]	C9742	CAP_402	m39[97A6]	D2500	DIODE_SCHOT_SOT23	m39[25C8]	D2501	DIODE_SCHOT_SOT23	m39[25D8]				
C7530	CAP_402	m39[75D6]	C8432	CAP_402	m39[84C5]	C8670	CAP_402	m39[86B5]	C9745	CAP_805	m39[97C6]	D2600	DIODE_SCHOT_SOT23	m39[26D8]	D2601	DIODE_SCHOT_SOT23	m39[26C8]	D4600	DIODE_SMC	m39[46D5]				
C7531	CAP_402	m39[75B5]	C8433	CAP_402	m39[84C5]	C8671	CAP_402	m39[86B5]	C9750	CAP_805	m39[97C7]	D4690	ZENER_SOT23	m39[46A6]	D4700	DIODE_SCHOT_3P_A_SC-	m39[47C5]	D4701	DIODE_SCHOT_3P_A_SC-	m39[47B5]				
C7532	CAP_402	m39[75B6]	C8434	CAP_402	m39[84C5]	C8672	CAP_402	m39[86B5]	D4702	DIODE_SCHOT_3P_A_SC-	m39[47A5]	D4705	DIODE_SCHOT_3P_A_SC-	m39[47C6]	D4706	DIODE_SCHOT_3P_A_SC-	m39[47B6]	D4707	DIODE_SCHOT_3P_A_SC-	m39[47A6]				
C7533	CAP_402	m39[75B6]	C8435	CAP_402	m39[84C5]	C8673	CAP_402	m39[86B6]	D4710	DIODE_SCHOT_3P_A_SC-	m39[47C6]	D4900	DIODE_SCHOT_3P_A_SC-	m39[49B4]	D6500	DIODE_SOT23	m39[65C4]	D6501	DIODE_SOT23	m39[65B4]				
C7534	CAP_402	m39[75B5]	C8436	CAP_402	m39[84C5]	C8674	CAP_402	m39[86B6]	D6502	DIODE_SCHOT_SMB	m39[65C4]	D6503	DIODE_SCHOT_SMB	m39[65B4]	D6600	DIODE_SOT23	m39[66C4]	D6601	DIODE_SCHOT_SMB	m39[66C3]				
C7535	CAP_603	m39[75D5]	C8437	CAP_402	m39[84C5]	C8675	CAP_402	m39[86B6]	D6700	DIODE_SCHOT_SMB	m39[67C3]	D7500	DIODE_SCHOT_SMB	m39[75B2]	D7501	DIODE_SOT23	m39[75D6]	D8520	DIODE_SCHOT_SMB	m39[85C3]				
C7550	CAP_603	m39[75D1]	C8438	CAP_402	m39[84C5]	C8676	CAP_402	m39[86B5]	D8521	ZENER_CASE425	m39[97C1]	DP4610	DIODE_DUAL_6P_SOT-36	m39[46D4 46D3]	DP4611	DIODE_DUAL_6P_SOT-36	m39[46C4 46C3]	DP4620	DIODE_DUAL_6P_SOT-36	m39[46B4 46B3]				
C7551	CAP_603	m39[75D1]	C8439	CAP_402	m39[84C5]	C8677	CAP_402	m39[86B5]	DP4621	DIODE_DUAL_6P_SOT-36	m39[46A4 46A3]	DZ7300	SUPPR_TRANSIENT_4P1-	m39[73C6]	DZ7301	SUPPR_TRANSIENT_4P1-	m39[73A5]	DZ7302	SUPPR_TRANSIENT_4P1-	m39[73A4]				
C7590	CAP_402	m39[75C3]	C8440	CAP_402	m39[84B5]	C8678	CAP_402	m39[86B5]	DZ7303	SUPPR_TRANSIENT_4P1-	m39[73C5]	DZ7304	SUPPR_TRANSIENT_4P1-	m39[73C4]	F4600	FUSE_SM-LF	m39[46D2]	F4601	FUSE_SM-LF	m39[46D2]				
C7592	CAP_402	m39[75B3]	C8441	CAP_402	m39[84B5]	C8679	CAP_402	m39[86A6]	F4602	FUSE_MINISMD-LF	m39[46D3]	F4701	FUSE_MINISMD-LF	m39[47D3]	F9710	FUSE_SM-LF	m39[97D5]	FL4610	FILTER_4P_2012	m39[46C3]				
C7596	CAP_402	m39[75D6]	C8442	CAP_402	m39[84B5]	C8680	CAP_402	m39[86A6]	FL4620	FILTER_4P_2012	m39[46B3]	FL9740	FILTER_LC_SM-220MHZ-	m39[97B7]	FL9741	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7597	CAP_1210	m39[75D1]	C8443	CAP_402	m39[84B5]	C8681	CAP_402	m39[86A6]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7598	CAP_1210	m39[75D1]	C8444	CAP_402	m39[84B5]	C8682	CAP_402	m39[86A5]	F4600	FUSE_SM-LF	m39[46D2]	F4601	FUSE_SM-LF	m39[46D2]	F4602	FUSE_MINISMD-LF	m39[46D3]	F4701	FUSE_MINISMD-LF	m39[47D3]				
C7599	CAP_402	m39[76D6]	C8445	CAP_402	m39[84B5]	C8683	CAP_402	m39[86A5]	F4602	FUSE_MINISMD-LF	m39[46D3]	F4701	FUSE_MINISMD-LF	m39[47D3]	F9710	FUSE_SM-LF	m39[97D5]	FL4610	FILTER_4P_2012	m39[46C3]				
C7600	CAP_402	m39[76D3]	C8446	CAP_402	m39[84B5]	C8690	CAP_805	m39[86D5]	F9710	FUSE_SM-LF	m39[97D5]	FL4610	FILTER_4P_2012	m39[46C3]	FL4620	FILTER_4P_2012	m39[46B3]	FL9740	FILTER_LC_SM-220MHZ-	m39[97B7]				
C7601	CAP_402	m39[76D3]	C8447	CAP_402	m39[84B5]	C8691	CAP_402	m39[86D5]	FL9740	FILTER_LC_SM-220MHZ-	m39[97B7]	FL9741	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7602	CAP_402	m39[76D2]	C8448	CAP_402	m39[84B5]	C8692	CAP_402	m39[86D5]	FL9741	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7603	CAP_402	m39[76C4]	C8449	CAP_402	m39[84B5]	C8695	CAP_805	m39[86D2]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7612	CAP_402	m39[76B2]	C8450	CAP_402	m39[84B5]	C8696	CAP_402	m39[86D3]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7633	CAP_402	m39[76C7]	C8451	CAP_402	m39[84B5]	C8697	CAP_402	m39[86D3]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7659	CAP_402	m39[76D4]	C8455	CAP_402	m39[84D2]	C8711	CAP_402	m39[87B7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7669	CAP_402	m39[76D4]	C8456	CAP_402	m39[84D2]	C8713	CAP_402	m39[87B7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7700	CAP_603	m39[77D4]	C8457	CAP_402	m39[84D2]	C8715	CAP_402	m39[87A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7703	CAP_402	m39[77C4]	C8458	CAP_402	m39[84D2]	C8716	CAP_402	m39[87A6]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7704	CAP_402	m39[77C4]	C8459	CAP_402	m39[84D2]	C8721	CAP_402	m39[87B4]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7706	CAP_402	m39[77C4]	C8460	CAP_402	m39[84D2]	C8723	CAP_402	m39[87B4]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7709	CAP_805	m39[77C3]	C8461	CAP_402	m39[84D2]	C8725	CAP_402	m39[87A4]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7710	CAP_402	m39[77C7]	C8462	CAP_402	m39[84D2]	C8726	CAP_402	m39[87A3]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7711	CAP_402	m39[77B7]	C8463	CAP_402	m39[84D2]	C8900	CAP_805	m39[89D7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7712	CAP_402	m39[77C7]	C8464	CAP_402	m39[84C2]	C8901	CAP_402	m39[89D7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7750	CAP_402	m39[77A5]	C8465	CAP_402	m39[84C2]	C8902	CAP_402	m39[89D7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7751	CAP_805	m39[77B4]	C8466	CAP_402	m39[84C2]	C8903	CAP_402	m39[89D7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7752	CAP_805	m39[77B4]	C8467	CAP_402	m39[84C2]	C8904	CAP_402	m39[89D6]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7753	CAP_402	m39[77A7]	C8468	CAP_402	m39[84C2]	C8910	CAP_402	m39[89D7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7754	CAP_402	m39[77B6]	C8469	CAP_402	m39[84C2]	C8915	CAP_402	m39[89D6]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7755	CAP_805	m39[77B3]	C8470	CAP_402	m39[84C2]	C8920	CAP_805	m39[89C8]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7756	CAP_805	m39[77B3]	C8471	CAP_402	m39[84C2]	C8921	CAP_402	m39[89C8]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7757	CAP_402	m39[77A6]	C8472	CAP_402	m39[84C2]	C8922	CAP_402	m39[89C7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7799	CAP_402	m39[77A3]	C8473	CAP_402	m39[84C2]	C8923	CAP_402	m39[89C7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]				
C7800	CAP_1210	m39[78C3]	C8474	CAP_402	m39[84C2]	C8924	CAP_402	m39[89C7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39[97A7]	FL9742	FILTER_LC_SM-220MHZ-	m39							

8				7				6				5				4				3				2				1			
D	J600	CON_M14RT_D_THA_M-RT	m39[6D7]	-TH1				L7500	IND_SM	m39[75D1]				PP627	PROBEPOINT_SM	m39[5C8]				PP8908	PROBEPOINT_SM	m39[5B5]									
	J0700	CPU_YONAH_SKT_BGA	m39[7C3 7D7]					L7501	IND_SM	m39[75B2]				PP628	PROBEPOINT_SM	m39[5C8]				PP8909	PROBEPOINT_SM	m39[5B5]									
	J0700	CPU_YONAH_SKT_BGA	m39[8D4 8D8]					L7502	IND_TH-VERT-LF	m39[76D8]				PP629	PROBEPOINT_SM	m39[5C8]				PP8910	PROBEPOINT_SM	m39[5B5]									
	J1000	CON_2RTSM_125_SM-2MT	m39[10B7]	-BLK-LF				L7700	IND_SM1-LF	m39[77C4]				PP630	PROBEPOINT_SM	m39[5C8]				PP8911	PROBEPOINT_SM	m39[5B5]									
	J1101	CON_F28RT_S2MT_SM_F-	m39[11C2]	RT-SM				L7750	IND_SM-LF	m39[77B4]				PP631	PROBEPOINT_SM	m39[5D6]				PP8912	PROBEPOINT_SM	m39[5B5]									
	J2600	BATTERY_2P_TH	m39[26C8]					L7800	IND_3P_SM	m39[78B3]				PP632	PROBEPOINT_SM	m39[5D6]				PP8913	PROBEPOINT_SM	m39[5B5]									
	J2800	CON_F200RT_DDR2DIMM_	m39[28D5]	5MT_SM_F-RT-SM1				L7900	IND_3P_SM	m39[79C3]				PP633	PROBEPOINT_SM	m39[5D6]				PP8914	PROBEPOINT_SM	m39[5A5]									
	J2900	CON_F200RT_DDR2DIMM_	m39[29D5]	5MT_SM_F-RT-SM1				L8000	IND_IHLP	m39[80C3]				PP634	PROBEPOINT_SM	m39[5D6]				PP8915	PROBEPOINT_SM	m39[5A5]									
	J2901	CON_F4ST_S2MT_SM_F-S	m39[59C7]	T-SM				L8100	IND_IHLP	m39[81C3]				PP635	PROBEPOINT_SM	m39[5D6]				PP8916	PROBEPOINT_SM	m39[5A5]									
	J2903	CON_M2ST_S2MT_SM-M-S	m39[59C8]	T-SM				L8400	IND_0402	m39[84B7]				PP636	PROBEPOINT_SM	m39[5D6]				PP8920	PROBEPOINT_SM	m39[5A5]									
C	J4700	CON_F10ST_D_SMA_F-ST	m39[47A2]	-SM				L8520	IND_IHLP	m39[85C3]				PP637	PROBEPOINT_SM	m39[5D6]				PP8921	PROBEPOINT_SM	m39[5A5]									
	J4950	CON_F4ST_S2MT_SM_F-S	m39[49C4]	T-SM				L8585	IND_4P_2COIL_SDQ1215	m39[85A3]				PP638	PROBEPOINT_SM	m39[5D6]				PP8922	PROBEPOINT_SM	m39[5A5]									
	J5300	CON_F52RT_D2MT_SM_F-	m39[53C5]	RT-SM				L8715	IND_0402	m39[87A7]				PP639	PROBEPOINT_SM	m39[5D6]				PP8923	PROBEPOINT_SM	m39[5A5]									
	J6000	CON_F30STSM_5047_SM1	m39[60B5]					L8725	IND_0402	m39[87A4]				PP640	PROBEPOINT_SM	m39[5D6]				PP8924	PROBEPOINT_SM	m39[5A5]									
	J6500	CON_M4RT_S2MT_SM-M-R	m39[65D3]	T-SM				L8910	IND_0402	m39[89D7]				PP641	PROBEPOINT_SM	m39[5D6]				PP8925	PROBEPOINT_SM	m39[5A5]									
	J6501	CON_M5RT_S2MT_SMA_M-	m39[65B2]	RT-SM				L8915	IND_0402	m39[89D7]				PP642	PROBEPOINT_SM	m39[5D6]				PP8926	PROBEPOINT_SM	m39[5A5]									
	J6600	CON_F4ST_S2MT_SM_F-S	m39[66C2]	T-SM				L8960	IND_0402	m39[89D4]				PP643	PROBEPOINT_SM	m39[5D6]				PP8927	PROBEPOINT_SM	m39[5A5]									
	J6601	CON_M4RT_S2MT_SM-M-R	m39[66B5]	T-SM				L8965	IND_0402	m39[89D4]				PP644	PROBEPOINT_SM	m39[5D6]				PP8928	PROBEPOINT_SM	m39[5A5]									
	J6602	CON_M4RT_S2MT_SM-M-R	m39[66B3]	T-SM				L9010	IND_0402	m39[90D7]				PP645	PROBEPOINT_SM	m39[5D6]				PP8929	PROBEPOINT_SM	m39[5A5]									
	J7300	CON_F4ST_S4MT_TH1_F-	m39[73D8]	ST-TH				L9015	IND_0402	m39[90D7]				PP646	PROBEPOINT_SM	m39[5D6]				PP8930	PROBEPOINT_SM	m39[5A5]									
B	J7301	CON_M7RT_S2MT_SM-M-R	m39[73D1]	T-SM				L9060	IND_0402	m39[90D4]				PP647	PROBEPOINT_SM	m39[5D6]				PP8931	PROBEPOINT_SM	m39[5A5]									
	J7303	CON_F9ANG_S4MT_TH1_F	m39[73B3]	-ANG-TH				L9060	IND_0402	m39[90D4]				PP648	PROBEPOINT_SM	m39[5D6]				PP8932	PROBEPOINT_SM	m39[5A5]									
	J9402	CON_F30ST_D_SM_F-ST-	m39[94B6]	SM				L9065	IND_0402	m39[90D4]				PP649	PROBEPOINT_SM	m39[5D6]				PP8933	PROBEPOINT_SM	m39[5A5]									
	J9710	CON_DVI_F32ST_Q2MT_S	m39[97D5]	M_F-ST-SM				L9120	IND_0402	m39[91B6]				PP650	PROBEPOINT_SM	m39[5D6]				PP8934	PROBEPOINT_SM	m39[5A5]									
	JC900	CON_M7ST_SATA_SM-M-S	m39[38B8]	T-SM				L9125	IND_0402	m39[91B6]				PP651	PROBEPOINT_SM	m39[5D6]				PP8935	PROBEPOINT_SM	m39[5A5]									
	JC901	CON_M50SM_5MM_M-ST-S	m39[38C2]	M2-LF				L9130	IND_0402	m39[91B7]				PP652	PROBEPOINT_SM	m39[5C6]				PP8936	PROBEPOINT_SM	m39[5A5]									
	JD600	CON_RJ45_10ANG_S3MT_	m39[43C6]	TH1_F-ANG-TH				L9135	IND_0402	m39[91A7]				PP653	PROBEPOINT_SM	m39[5C6]				PP9000	PROBEPOINT_SM	m39[5B4]									
	JE000	CON_F6ST_S4MT_TH1_F-	m39[46C2]	ST-TH				L9140	IND_0402	m39[91A7]				PP654	PROBEPOINT_SM	m39[5C6]				PP9001	PROBEPOINT_SM	m39[5B4]									
	JE001	CON_F6ST_S4MT_TH1_F-	m39[46B2]	ST-TH				L9300	IND_0402	m39[93C7]				PP655	PROBEPOINT_SM	m39[5C6]				PP9002	PROBEPOINT_SM	m39[5B4]									
	JE310	CON_F4ST_USB_S3MT_TH	m39[47D4]	_F-ST-TH				L9305	IND_0402	m39[93C7]				PP656	PROBEPOINT_SM	m39[5C6]				PP9003	PROBEPOINT_SM	m39[5B4]									
A	JE320	CON_F4ST_USB_S3MT_TH	m39[47B4]	_F-ST-TH				L9310	IND_0402	m39[93C7]				PP657	PROBEPOINT_SM	m39[5C6]				PP9004	PROBEPOINT_SM	m39[5B4]									
	JE330	CON_F4ST_USB_S3MT_TH	m39[47A4]	_F-ST-TH				L9315	IND_0402	m39[93C7]				PP658	PROBEPOINT_SM	m39[5C6]				PP9005	PROBEPOINT_SM	m39[5B4]									
	JE350	CON_M14RT_S2MT_SM_M-	m39[47C1]	RT-SM				L9320	IND_0402	m39[93B7]				PP659	PROBEPOINT_SM	m39[5C6]				PP9006	PROBEPOINT_SM	m39[5B4]									
	L1934	IND_0603	m39[19C7]					L9325	IND_0402	m39[93B7]				PP660	PROBEPOINT_SM	m39[5C6]				PP9007	PROBEPOINT_SM	m39[5B4]									
	L1936	IND_0603	m39[19C7]					L9330	IND_0402	m39[93B7]																					

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D	R7217	RES_402	m39[72B5]	R7218	RES_402	m39[72A5]	R7219	RES_402	m39[72B4]	R7302	RES_402	m39[73A3]	R7313	RES_402	m39[73C2]	R7314	RES_402	m39[73C2]	R7400	RES_402	m39[74B4]	R7404	RES_402	m39[74C4]	R7405	RES_402	m39[74D3]	R7407	RES_402	m39[74B4]	R7408	RES_402	m39[74A4]	R7409	RES_402	m39[74B4]	R7410	RES_805	m39[74D2]	R7411	RES_805	m39[74C2]	R7412	RES_805	m39[74D2]	R7413	RES_402	m39[74B4]	R7414	RES_805	m39[74B7]	R7415	RES_805	m39[74B8]	R7416	RES_805	m39[74C7]	R7417	RES_805	m39[74C8]	R7418	RES_402	m39[74B6]	R7419	RES_402	m39[74B6]	R7420	RES_402	m39[74D4]	R7421	RES_402	m39[74D8]	R7422	RES_402	m39[74D7]	R7423	RES_402	m39[74B6]	R7424	RES_402	m39[74B6]	R7425	RES_402	m39[74A5]	R7426	RES_402	m39[74A4]	R7427	RES_402	m39[74A4]	R7429	RES_805	m39[74C2]	R7430	RES_402	m39[74C1]	R7431	RES_402	m39[74C2]	R7432	RES_402	m39[74B1]	R7500	RES_402	m39[75C2]	R7501	RES_603	m39[75C2]	R7502	RES_1206	m39[75B2]	R7503	RES_1206	m39[75D2]	R7504	RES_402	m39[75C1]	R7505	RES_402	m39[75B2]	R7506	RES_603	m39[75B2]	R7507	RES_402	m39[75B1]	R7508	RES_402	m39[75B8]	R7509	RES_402	m39[75B8]	R7510	RES_402	m39[75B8]	R7511	RES_402	m39[75B7]	R7512	RES_402	m39[75D7]	R7513	RES_402	m39[75B7]	R7514	RES_402	m39[75B8]	R7515	RES_402	m39[75B4]	R7516	RES_402	m39[75B4]	R7517	RES_402	m39[75B5]	R7518	RES_402	m39[75B5]	R7519	RES_402	m39[75C7]	R7520	RES_402	m39[75D7]	R7521	RES_402	m39[75D7]	R7522	RES_402	m39[75A5]	R7523	RES_402	m39[75A5]	R7526	THERMISTE_402	m39[75C8]	R7527	RES_402	m39[75C8]	R7528	RES_402	m39[75A5]	R7529	RES_402	m39[75A5]	R7530	RES_402	m39[75B4]	R7531	THERMISTE_0603-LF	m39[75B4]	R7590	RES_402	m39[75C7]	R7591	RES_402	m39[75C7]	R7592	RES_402	m39[75C7]	R7593	RES_402	m39[75C7]	R7594	RES_402	m39[75C7]	R7595	RES_402	m39[75C7]	R7596	RES_402	m39[75D7]	R7597	RES_402	m39[76D6]	R7598	RES_402	m39[76C7]	R7599	RES_402	m39[76D7]	R7600	RES_402	m39[76D3]	R7601	RES_402	m39[76D3]	R7603	RES_402	m39[76C3]	R7604	RES_402	m39[76C3]	R7605	RES_402	m39[76D4]	R7606	RES_402	m39[76D4]	R7607	RES_402	m39[76C3]	R7612	RES_402	m39[76B2]	R7620	RES_402	m39[76D2]	R7623	RES_402	m39[76D1]	R7630	RES_402	m39[76C8]	R7631	RES_402	m39[76C8]	R7632	RES_402	m39[76C7]	R7639	RES_402	m39[76B7]	R7640	RES_402	m39[76A7]	R7641	RES_402	m39[76A7]	R7642	RES_402	m39[76A6]	R7643	RES_1206	m39[76B5]	R7644	RES_1206	m39[76B4]	R7659	RES_402	m39[76D5]	R7669	RES_402	m39[76D4]	R7700	RES_402	m39[77D5]	R7701	RES_402	m39[77C5]	R7704	RES_402	m39[77C5]	R7705	RES_402	m39[77C5]	R7706	RES_402	m39[77C4]	R7707	RES_402	m39[77C3]	R7708	RES_402	m39[77C3]	R7710	RES_402	m39[77D5]	R7750	RES_402	m39[77A5]	R7751	RES_402	m39[77A5]	R7752	RES_402	m39[77A5]	R7753	RES_402	m39[77B7]	R7754	RES_402	m39[77B6]	R7755	RES_402	m39[77B5]	R7756	RES_402	m39[77B5]	R7757	RES_402	m39[77B6]	R7799	RES_402	m39[77D7]	R7794	RES_402	m39[77C7]	R7800	RES_402	m39[78C7]	R7801	RES_402	m39[78B7]	R7802	RES_402	m39[78B3]	R7803	RES_402	m39[78B3]	R7804	RES_1206	m39[78B4]	R7805	RES_402	m39[78B5]	R7812	RES_402	m39[78B3]	R7840	RES_402	m39[78C5]	R7892	RES_402	m39[78B3]	R7901	RES_402	m39[79C3]	R7902	RES_1206	m39[79C4]			
	R7903	RES_402	m39[79C3]	R7904	RES_402	m39[79C5]	R7905	RES_402	m39[79D7]	R7906	RES_402	m39[79A4]	R7910	RES_402	m39[79B2]	R7911	RES_402	m39[79B3]	R7912	RES_402	m39[79B3]	R7913	RES_402	m39[79A2]	R7914	RES_402	m39[79A3]	R7915	RES_402	m39[79A3]	R7940	RES_402	m39[79D5]	R7991	RES_402	m39[79C7]	R7992	RES_402	m39[79C7]	R7999	RES_402	m39[79C3]	R8000	RES_402	m39[80C3]	R8001	RES_402	m39[80C7]	R8002	RES_1206	m39[80C4]	R8003	RES_402	m39[80C3]	R8004	RES_402	m39[80C5]	R8005	RES_402	m39[80D7]	R8007	RES_402	m39[80A4]	R8010	RES_402	m39[80B2]	R8011	RES_402	m39[80B3]	R8012	RES_402	m39[80B3]	R8040	RES_402	m39[80C5]	R8092	RES_402	m39[80C7]	R8099	RES_402	m39[80C3]	R8101	RES_402	m39[81C3]	R8102	RES_1206	m39[81C4]	R8103	RES_402	m39[81C3]	R8104	RES_402	m39[81C5]	R8105	RES_402	m39[81D7]	R8107	RES_402	m39[81A4]	R8110	RES_402	m39[81B3]	R8140	RES_402	m39[81C5]	R8190	RES_402	m39[81C3]	R8191	RES_402	m39[81C7]	R8192	RES_402	m39[81C7]	R8198	RES_402	m39[81A5]	R8199	RES_402	m39[81A5]	R8300	RES_402	m39[83B4]	R8301	RES_402	m39[83C5]	R8302	RES_402	m39[83B5]	R8303	RES_402	m39[83C4]	R8495	RES_402	m39[84A2]	R8496	RES_402	m39[84A2]	R8497	RES_402	m39[84A2]	R8502	RES_402	m39[85D6]	R8503	RES_402	m39[85D7]	R8504	RES_402	m39[85D7]	R8505	RES_402	m39[85C7]	R8506	RES_402	m39[85C8]	R8507	RES_402	m39[85D7]	R8508	RES_402	m39[85C7]	R8510	RES_402	m39[85C5]	R8521	RES_402	m39[85C3]	R8522	RES_402	m39[85C3]	R8523	RES_402	m39[85C3]	R8524	RES_402	m39[85B3]	R8525	RES_402	m39[85B3]	R8526	RES_402	m39[85B3]	R8540	RES_402	m39[85C2]	R8554	RES_402	m39[85B7]	R8555	RES_402	m39[85B6]	R8556	RES_402	m39[85B6]	R8557	RES_402	m39[85B6]	R8560	RES_402	m39[85A6]	R8561	RES_402	m39[85A7]	R8570	RES_402	m39[85A5]	R8585	RES_603	m39[85A3]	R8586	RES_402	m39[85A3]	R8588	RES_402	m39[85C5]	R8590	RES_402	m39[85C3]	R8591	RES_402	m39[85D3]	R8592	RES_402	m39[85D2]	R8593	RES_402	m39[85D3]	R8594	RES_402	m39[85D3]	R8596	RES_402	m39[85D3]	R8597	THERMISTE_0603-LF	m39[85D3]	R8598	RES_402	m39[85D2]	R8599	RES_1206	m39[85C4]	R8630	RES_603	m39[86C7]	R8710	RES_402	m39[87B8]	R8711	RES_402	m39[87A8]	R8712	RES_402	m39[87B7]	R8713	RES_402	m39[87A7]	R8720	RES_402	m39[87B4]	R8721	RES_402	m39[87A4]	R8722	RES_402	m39[87B4]	R8723	RES_402	m39[87A4]	R8730	RES_402	m39[87A3]	R8731	RES_402	m39[87A3]	R8732	RES_402	m39[87A3]	R8733	RES_402	m39[87A1]	R8800	RES_603	m39[88D7]	R8801	RES_402	m39[88A7]	R8802	RES_402	m39[88D4]	R8803	RES_402	m39[88D4]	R8804	RES_402	m39[88D4]	R8805	RES_402	m39[88C4]	R8806	RES_402	m39[88C4]	R8807	RES_402	m39[88C4]	R8808	RES_402	m39[88C4]	R8809	RES_402	m39[88C4]	R8810	RES_402	m39[88C4]	R8811	RES_402	m39[88B4]	R8812	RES_402	m39[88C4]	R8813	RES_402	m39[88D4]	R8830	RES_402	m39[88B4]	R8831	RES_402	m39[88B4]	R8832	RES_402	m39[88B4]	R8833	RES_402	m39[88B4]	R8850	RES_402	m39[88B4]	R8930	RES_402	m39[89C7]	R8931	RES_402	m39[89C7]	R8932	RES_402	m39[89C7]	R8933	RES_402	m39[89C7]	R8940	RES_402	m39[89B8]	R8941	RES_402	m39[89B8]	R8942	RES_402	m39[89B7]	R8943	RES_402	m39[89B7]	R8944	RES_402	m39[89B7]	R8945	RES_402	m39[89B7]	R8946	RES_402	m39[89B7]	R8947	RES_402	m39[89B7]
	R8948	RES_402	m39[89A7]	R8949	RES_402	m39[89A7]	R8980	RES_402	m39[89C4]	R8981	RES_402	m39[89C4]	R8982	RES_402	m39[89C4]	R8983	RES_402	m39[89C4]	R8990	RES_402	m39[89B5]	R8991	RES_402	m39[89B4]	R8992	RES_402	m39[89B4]	R8993	RES_402	m39[89B4]	R8994	RES_402	m39[89B4]	R8995	RES_402	m39[89B4]	R8996	RES_402	m39[89B4]	R8997	RES_402	m39[89B4]	R8998	RES_402	m39[89A4]	R8999	RES_402	m39[89A4]	R9030	RES_402	m39[90C7]	R9031	RES_402	m39[90C7]	R9032	RES_402	m39[90C7]	R9033	RES_402	m39[90C7]	R9040	RES_402	m39[90B8]	R9041	RES_402	m39[90A8]	R9042	RES_402	m39[90B7]	R9043	RES_402	m39[90B7]	R9044	RES_402	m39[90B7]	R9045	RES_402	m39[90B7]	R9046	RES_402	m39[90B7]	R9047	RES_402	m39[90B7]	R9048	RES_402	m39[90A7]	R9049	RES_402	m39[90A7]	R9080	RES_402	m39[90C4]	R9081	RES_402	m39[90C4]	R9082	RES_402	m39[90C4]	R9083	RES_402	m39[90C4]	R9090	RES_402	m39[90B5]	R9091	RES_402	m39[90A4]	R9092	RES_402	m39[90B4]	R9093	RES_402	m39[90B4]	R9094	RES_402	m39[90B4]	R9095	RES_402	m39[90B4]	R9096	RES_402	m39[90B4]	R9097	RES_402	m39[90B4]	R9098	RES_402	m39[90A4]	R9099	RES_402	m39[90A4]	R9190	RES_402	m39[91D2]	R9191	RES_402	m39[91D2]	R9195	RES_402	m39[91A3]	R9202	RES_402	m39[92C6]	R9250	RES_402	m39[92C6]	R9350	RES_402	m39[93A8]	R9351	RES_402	m39[93A8]	R9370	RES_402	m39[93D1]	R9371	RES_402	m39[93D1]	R9372	RES_402	m39[93C1]	R9373	RES_402	m39[93C1]	R9390	RES_402	m39[93A1]	R9391	RES_402	m39[93A1]	R9400	RES_402	m39[94C8]	R9401	RES_402	m39[94C7]	R9410	RES_402	m39[94C6]	R9411	RES_402	m39[94C6]	R9450	RES_402	m39[94C2]	R9470	RES_402	m39[94C7]	R9472	RES_402	m39[94B3]	R9473	RES_402	m39[94B2]	R9474	RES_402	m39[94B2]	R9475	RES_402	m39[94B1]	R9490	RES_805	m39[94C6]	R9491	RES_805	m39[94D6]	R9700	RES_402	m39[97D7]	R9701	RES_402	m39[97D8]	R9702	RES_402	m39[97D7]	R9703	RES_402	m39[97D7]	R9704	RES_402	m39[97C7]	R9705	RES_402	m39[97C7]	R9706	RES_402	m39[97D8]	R9707	RES_402	m39[97C8]	R9708	RES_402	m39[97C7]	R9709	RES_402	m39[97C7]	R9710	RES_402	m39[97D2]	R9711	RES_402	m39[97D2]	R9712	RES_402	m39[97D2]	R9713	RES_402	m39[97C2]	R9714	RES_402	m39[97C2]	R9715	RES_402	m39[97C7]	R9716	RES_402	m39[97C8]	R9717	RES_402	m39[97C8]	R9720	RES_402	m39[97D1]	R9721	RES_402	m39[97D1]	R9722	RES_402	m39[97C2]	R9740	RES_402	m39[97A8]	R9741	RES_402	m39[97A8]	R9742	RES_402	m39[97A7]	R9750	RES_402	m39[97A3]	R9751	RES_402	m39[97A3]	RP2300	RP4K4P_SM-LF	m39[23D5]	RP3000	RP4K4P_SM-LF	m39[30B4 30C4 30D4 30D4]	RP3001	RP4K4P_SM-LF	m39[30C4 30A4 30A4 30D4]	RP3002	RP4K4P_SM-LF	m39[30A4 30A4 30A4 30D4]	RP3003	RP4K4P_SM-LF	m39[30C4 30C4 30C4 30D4]	RP3004	RP4K4P_SM-LF	m39[30C4 30C4 30D4]	RP3005	RP4K4P_SM-LF	m39[30B4 30A4 30A4 30D4]	RP3006	RP4K4P_SM-LF	m39[30B4 30B4 30A4 30D4]	RP3007	RP4K4P_SM-LF	m39[30C4 30C4 30C4 30C4]	RP3008	RP4K4P_SM-LF	m39[30C4 30C4 30C4 30C4]	RP3009	RP4K4P_SM-LF	m39[30B4 30B4 30C4 30C4]	RP3010	RP4K4P_SM-LF	m39[30B4 30B4 30B4 30B4]	RP3011	RP4K4P_SM-LF	m39[30B4 30A4 30B4 30B4]	RP7200	RP4K4P_SM-LF	m39[72A4]	SDF3800	PCB_STANDOFF	m39[38B2]	SDF3801	PCB_STANDOFF	m39[38A2]	SDF4700	PCB_STANDOFF	m39[47A2]	SDF4701	PCB_STANDOFF	m39[47A2]	SDF5300	PCB_STANDOFF	m39[53A5]	SDF5301	PCB_STANDOFF	m39[53A5]	SDF9400	PCB_STAND																												

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D	XW9330	SHORT_SM	m39[93B7]													D
	XW9345	SHORT_SM	m39[93A7]													
	Y2600	CRYSTAL_4PIN_SM-LF	m39[26D8]													
	Y3301	CRYSTAL_5X3.2-SM	m39[33C7]													
	Y4101	CRYSTAL_4PIN_SM-3	m39[41B5]													
	Y4400	CRYSTAL_HC49-USMD	m39[44D2]													
	Y5800	CRYSTAL_SM-3	m39[59B8]													
	Y6700	CRYSTAL_4PIN_SM-LF	m39[59B7]													
	ZH500	HOLE_VIA	m39[5C1]													
	ZH501	HOLE_VIA	m39[5C1]													
C	ZH502	HOLE_VIA	m39[5C1]													C
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