

8

7

6

5

4

3

2

1

1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%.

2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.

3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.

REV

ZONE

ECN

DESCRIPTION OF CHANGE

CK APPD

DATE

ENG APPD

DATE

06

412666

ENGINEERING RELEASED

12/02/05

?

SCHEM, BUZZ, M1

DVT

12/02/05

PDF PAGE

CSA PAGE

CONTENTS

SYNC MASTER

DATE

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1

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Block Diagram

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(Master)

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(Master)

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(Master)

(Master)

6

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ExpressCard Connector

(Master)

(Master)

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54

PCI-E MiniCard Connector

(Master)

(Master)

8

55

MLB I/O Board Connector

(Master)

(Master)

9

68

AUDIO: CODEC

LENGO\_M1\_LIO

12/02/2005

10

72

AUDIO:SPEAKER AMP

LENGO\_M1\_LIO

12/02/2005

11

73

AUDIO: JACKS

LENGO\_M1\_LIO

12/02/2005

12

74

AUDIO: JACK TRANSLATORS

LENGO\_M1\_LIO

12/02/2005

13

78

3.3V Supply

(Master)

(Master)

14

82

DC-In & Battery Connectors

(Master)

(Master)

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PBus Supply & Batt. Charger

(Master)

(Master)

16

84

Current & Thermal Sensors

(Master)

(Master)

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Cross Reference Page

PART#

QTY

DESCRIPTION

REFERENCE DESIGNATOR(S)

CRITICAL

BOM OPTION

051-6951

1

SCHEM, BUZZ, M1

SCH1

820-1699

1

PCBF, BUZZ, M1

PCB1

DIMENSIONS ARE IN MILLIMETERS

XX : \_\_\_\_\_

X.XX : \_\_\_\_\_

X.XXX : \_\_\_\_\_

ANGLES : \_\_\_\_\_

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

METRIC

DRAFTER

ENG APPD

QA APPD

RELEASE

DESIGN CK

MFG APPD

DESIGNER

SCALE

SIZE

D

MATERIAL/FINISH

NOTED AS

APPLICABLE

Apple Computer Inc.

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TITLE

SCHEM, BUZZ, M1

DRAWING NUMBER

051-6951

REV.

06

SHT

1

OF

86

8

7

6

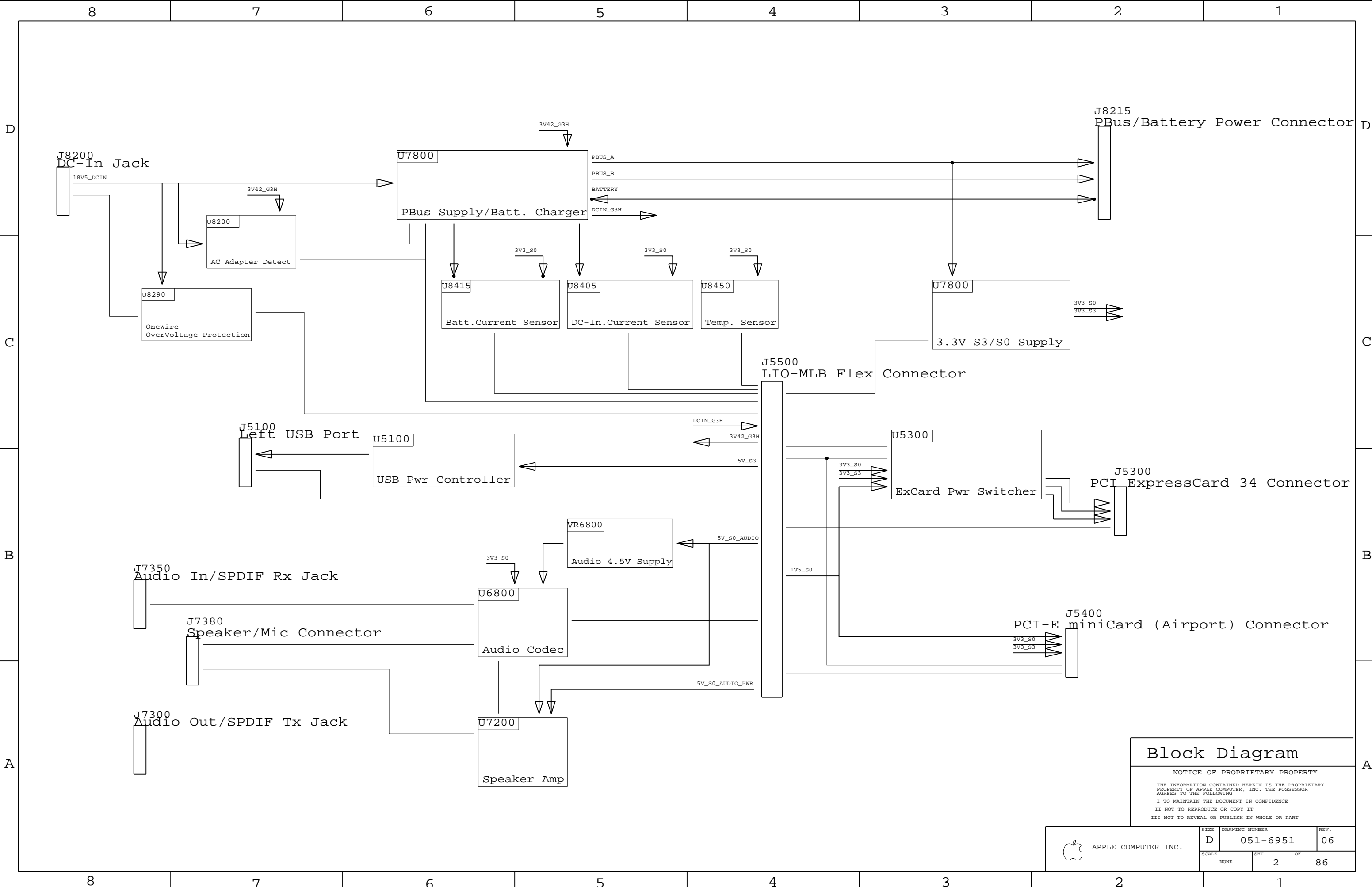
5

4

3

2

1



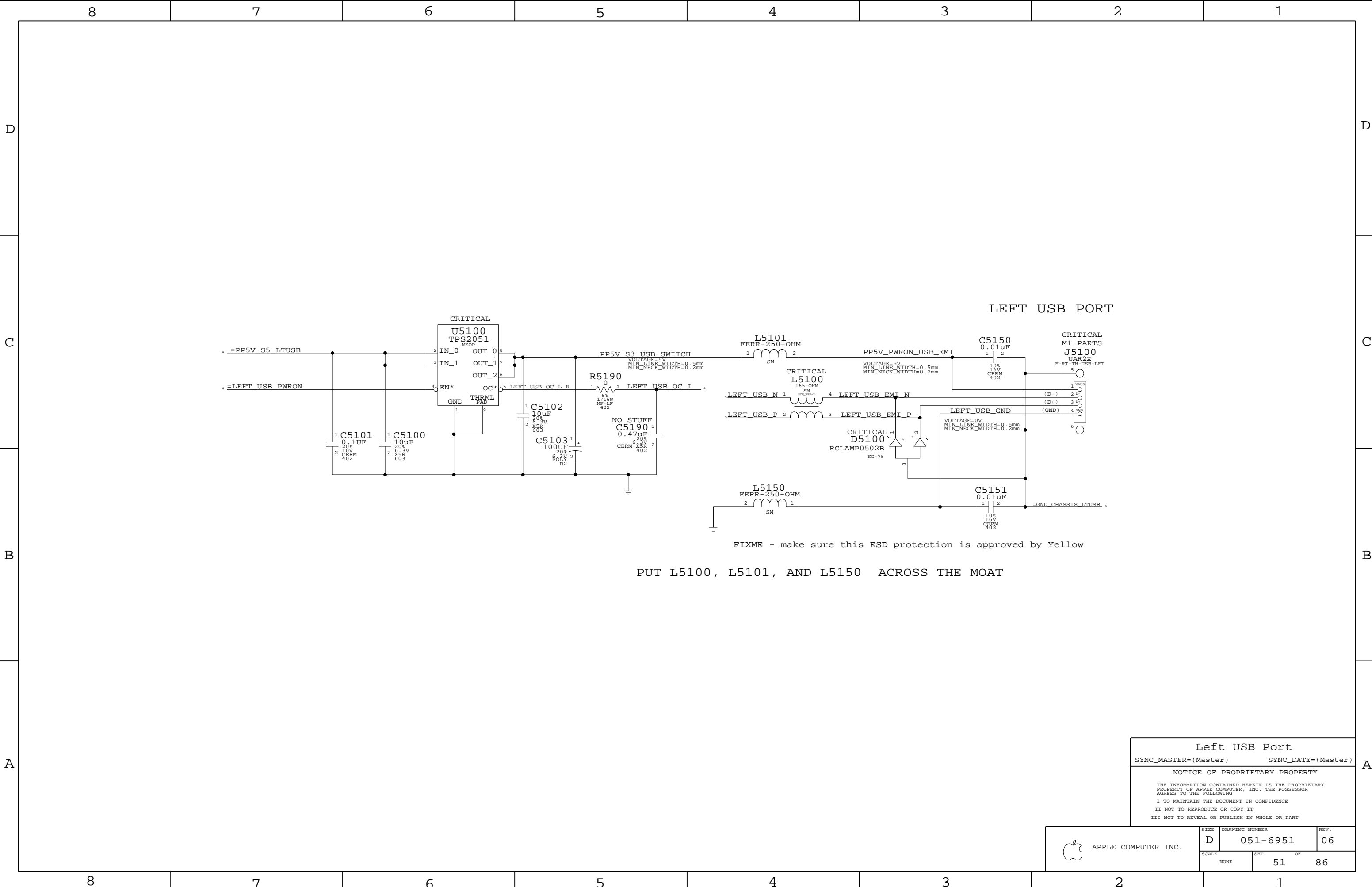
### Block Diagram

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SCALE		SHT	OF	
NONE		2	86	

8		7		6		5		4		3		2		1																																																																															
<table><tr><td>BOM NUMBER</td><td colspan="3">BOM NAME</td><td colspan="9">BOM OPTIONS</td></tr><tr><td>630-7249</td><td colspan="3">PCBA,BUZZ,M1</td><td colspan="9">075-0144,075-0145,EEE_TY6</td></tr><tr><td>630-7460</td><td colspan="3">PCBA,BUZZ,M1A</td><td colspan="9">075-0187,075-0145,EEE_UV3</td></tr><tr><td>075-0144</td><td colspan="3">PROJ_PTS,BUZZ,M1</td><td colspan="9">COMMON,EXCARD_3CNTL,M1_PARTS,ONEWIRE_DIV,STA9220,ONEWIRE_PWRCTL</td></tr><tr><td>075-0145</td><td colspan="3">LEMENU_PTS,BUZZ,M1</td><td colspan="9">LEMENU</td></tr><tr><td>075-0187</td><td colspan="3">PROJ_PTS,BUZZ,M1A</td><td colspan="9">COMMON,EXCARD_3CNTL,M1A_PARTS,ONEWIRE_DIV,STA9220,ONEWIRE_PWRCTL</td></tr></table>																BOM NUMBER	BOM NAME			BOM OPTIONS									630-7249	PCBA,BUZZ,M1			075-0144,075-0145,EEE_TY6									630-7460	PCBA,BUZZ,M1A			075-0187,075-0145,EEE_UV3									075-0144	PROJ_PTS,BUZZ,M1			COMMON,EXCARD_3CNTL,M1_PARTS,ONEWIRE_DIV,STA9220,ONEWIRE_PWRCTL									075-0145	LEMENU_PTS,BUZZ,M1			LEMENU									075-0187	PROJ_PTS,BUZZ,M1A			COMMON,EXCARD_3CNTL,M1A_PARTS,ONEWIRE_DIV,STA9220,ONEWIRE_PWRCTL								
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Phantom BOM #'s																																																																																													
<table><tr><td>PART NUMBER</td><td>QTY</td><td>DESCRIPTION</td><td>REFERENCE DES</td><td>CRITICAL</td><td>BOM OPTION</td></tr><tr><td>075-0144</td><td>1</td><td>PROJ_PTS,BUZZ,M1</td><td>BOM1</td><td></td><td>075-0144</td></tr><tr><td>075-0145</td><td>1</td><td>LeMENU_PTS,BUZZ,M1</td><td>BOM2</td><td></td><td>075-0145</td></tr><tr><td>075-0187</td><td>1</td><td>PROJ_PTS,BUZZ,M1A</td><td>BOM1</td><td></td><td>075-0187</td></tr></table>																PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION	075-0144	1	PROJ_PTS,BUZZ,M1	BOM1		075-0144	075-0145	1	LeMENU_PTS,BUZZ,M1	BOM2		075-0145	075-0187	1	PROJ_PTS,BUZZ,M1A	BOM1		075-0187																																																						
PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION																																																																																								
075-0144	1	PROJ_PTS,BUZZ,M1	BOM1		075-0144																																																																																								
075-0145	1	LeMENU_PTS,BUZZ,M1	BOM2		075-0145																																																																																								
075-0187	1	PROJ_PTS,BUZZ,M1A	BOM1		075-0187																																																																																								
Bar Code Label / EEE #'s																																																																																													
<table><tr><td>PART NUMBER</td><td>QTY</td><td>DESCRIPTION</td><td>REFERENCE DES</td><td>CRITICAL</td><td>BOM OPTION</td></tr><tr><td>000-0041</td><td>1</td><td>PLACEHOLDER FOR EEE/CCC INFO</td><td>[EEE:TY6]</td><td>CRITICAL</td><td>EEE_TY6</td></tr><tr><td>000-0041</td><td>1</td><td>PLACEHOLDER FOR EEE/CCC INFO</td><td>[EEE:UV3]</td><td>CRITICAL</td><td>EEE_UV3</td></tr></table>																PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION	000-0041	1	PLACEHOLDER FOR EEE/CCC INFO	[EEE:TY6]	CRITICAL	EEE_TY6	000-0041	1	PLACEHOLDER FOR EEE/CCC INFO	[EEE:UV3]	CRITICAL	EEE_UV3																																																												
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M1A Parts																																																																																													
<table><tr><td>PART NUMBER</td><td>QTY</td><td>DESCRIPTION</td><td>REFERENCE DES</td><td>CRITICAL</td><td>BOM OPTION</td></tr><tr><td>514-0306</td><td>1</td><td>CONN,RCPT,R/A,3.6 CL,BLK</td><td>J5100</td><td>CRITICAL</td><td>M1A_PARTS</td></tr><tr><td>514-0307</td><td>1</td><td>CONN,RCPT,RT ANG,MPM,10A,5P,BLK</td><td>J8200</td><td>CRITICAL</td><td>M1A_PARTS</td></tr><tr><td>514-0308</td><td>1</td><td>CONN,RCPT,OPT-COPPER,SPDIF RX,3.5MM,BLK</td><td>J7350</td><td>CRITICAL</td><td>M1A_PARTS</td></tr><tr><td>514-0309</td><td>1</td><td>CONN,RCPT,OPT-COPPER,SPDIF TX,3.5MM,BLK</td><td>J7300</td><td>CRITICAL</td><td>M1A_PARTS</td></tr></table>																PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION	514-0306	1	CONN,RCPT,R/A,3.6 CL,BLK	J5100	CRITICAL	M1A_PARTS	514-0307	1	CONN,RCPT,RT ANG,MPM,10A,5P,BLK	J8200	CRITICAL	M1A_PARTS	514-0308	1	CONN,RCPT,OPT-COPPER,SPDIF RX,3.5MM,BLK	J7350	CRITICAL	M1A_PARTS	514-0309	1	CONN,RCPT,OPT-COPPER,SPDIF TX,3.5MM,BLK	J7300	CRITICAL	M1A_PARTS																																																
PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION																																																																																								
514-0306	1	CONN,RCPT,R/A,3.6 CL,BLK	J5100	CRITICAL	M1A_PARTS																																																																																								
514-0307	1	CONN,RCPT,RT ANG,MPM,10A,5P,BLK	J8200	CRITICAL	M1A_PARTS																																																																																								
514-0308	1	CONN,RCPT,OPT-COPPER,SPDIF RX,3.5MM,BLK	J7350	CRITICAL	M1A_PARTS																																																																																								
514-0309	1	CONN,RCPT,OPT-COPPER,SPDIF TX,3.5MM,BLK	J7300	CRITICAL	M1A_PARTS																																																																																								





Left USB Port		
SYNC_MASTER=(Master)		SYNC_DATE=(Master)
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SCALE		SHT	OF	
NONE		51	86	

## D

A

The diagram illustrates the pin configuration and electrical connections for the CRITICAL J5400 connector, model ASOB226-T99N-7F. The connector has 54 pins, with pins 53 and 54 marked as NC (Not Connected).

**Pin Connections:**

- Pin 1:** PCIE\_WAKE\_MINI\_L
- Pin 2:** RESERVED
- Pin 3:** RESERVED
- Pin 4:** MINI\_CLKREQ\_L
- Pin 5:** RESERVED
- Pin 6:** RESERVED
- Pin 7:** PCIE\_CLK100M\_MINI\_N
- Pin 8:** PCIE\_CLK100M\_MINI\_P
- Pin 9:** RESERVED
- Pin 10:** RESERVED
- Pin 11:** PCIE\_MINI\_D2R\_N
- Pin 12:** PCIE\_MINI\_D2R\_P
- Pin 13:** RESERVED
- Pin 14:** RESERVED
- Pin 15:** PCIE\_MINI\_R2D\_N
- Pin 16:** PCIE\_MINI\_R2D\_P
- Pin 17:** RESERVED
- Pin 18:** RESERVED
- Pin 19:** RESERVED
- Pin 20:** RESERVED
- Pin 21:** RESERVED
- Pin 22:** RESERVED
- Pin 23:** RESERVED
- Pin 24:** RESERVED
- Pin 25:** RESERVED
- Pin 26:** RESERVED
- Pin 27:** RESERVED
- Pin 28:** RESERVED
- Pin 29:** RESERVED
- Pin 30:** RESERVED
- Pin 31:** RESERVED
- Pin 32:** RESERVED
- Pin 33:** RESERVED
- Pin 34:** RESERVED
- Pin 35:** RESERVED
- Pin 36:** RESERVED
- Pin 37:** RESERVED
- Pin 38:** RESERVED
- Pin 39:** RESERVED
- Pin 40:** RESERVED
- Pin 41:** RESERVED
- Pin 42:** RESERVED
- Pin 43:** RESERVED
- Pin 44:** RESERVED
- Pin 45:** RESERVED
- Pin 46:** RESERVED
- Pin 47:** RESERVED
- Pin 48:** RESERVED
- Pin 49:** RESERVED
- Pin 50:** RESERVED
- Pin 51:** RESERVED


**Component Values:**

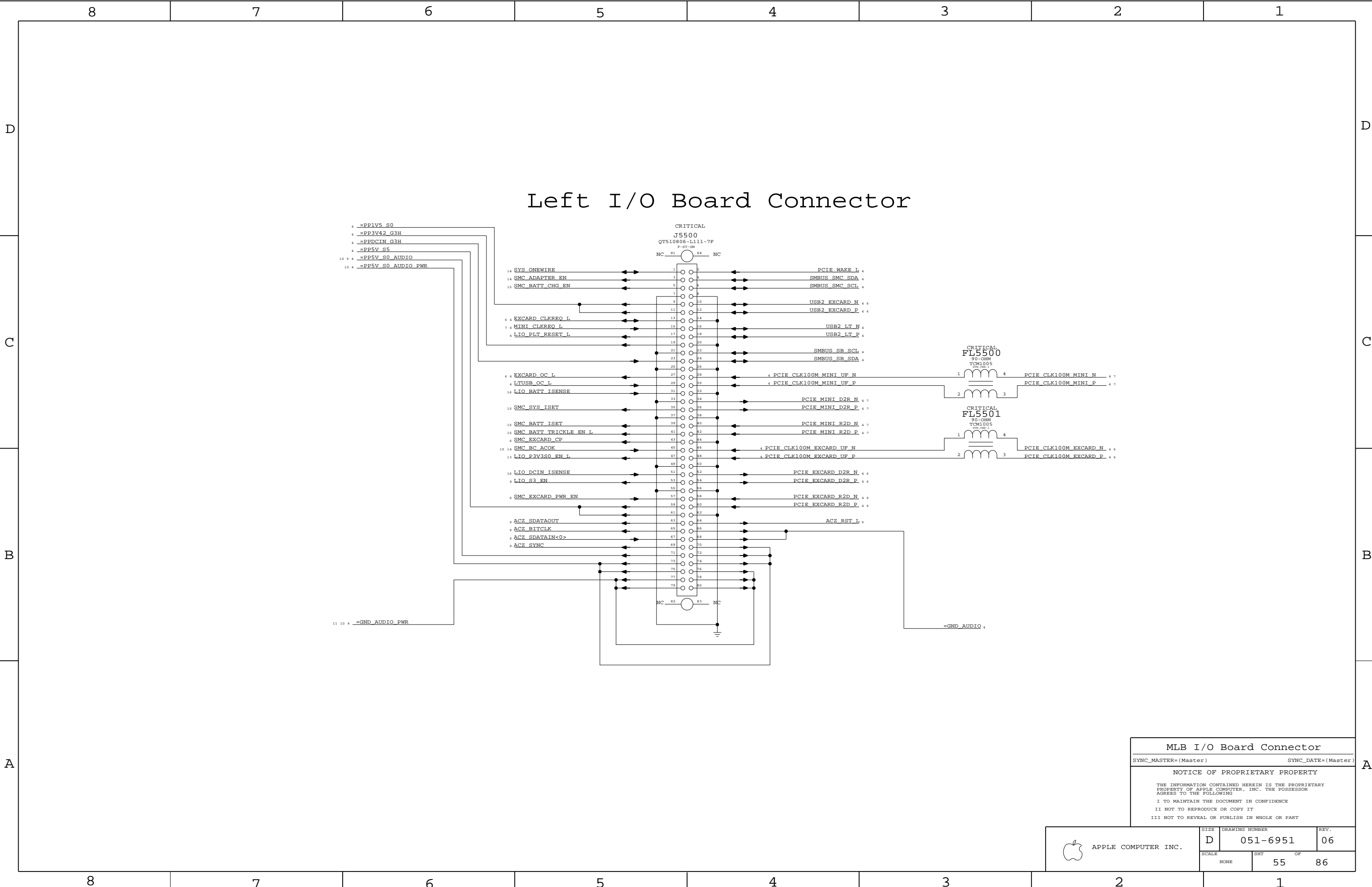
- C5420:** 0.1uF, 20%, 10V, CERAM, 402
- C5421:** 10uF, 20%, 6.3V, 603
- C5410:** 0.1uF, 20%, 10V, CERAM, 402
- C5411:** 10uF, 20%, 6.3V, 603
- C5400:** 0.1uF, 20%, 10V, CERAM, 402
- C5401:** 10uF, 20%, 6.3V, 603

**Other Labels:**

- PP3V3\_S0\_MINI:** Power supply connection.
- PP3V3\_S3\_MINI:** Power supply connection.
- PP1V5\_S0\_MINI:** Power supply connection.
- NC:** Not Connected.
- NO\_TEST=TRUE:** Test status label.
- NC UIM\_PWR, NC UIM\_DATA, NC UIM\_CLK, NC UIM\_RESET, NC UIM\_VPP:** UIM (Universal Interface Module) connections.
- NC W\_DISABLE\_L, PLT\_RESET\_L:** Miscellaneous connections.
- =SMBUS\_MINI\_SCL, =SMBUS\_MINI\_SDA:** SMBus connections.
- USB2\_MINI\_N, USB2\_MINI\_P:** USB2 connections.
- NC LED\_WPAN\_L, NC LED\_WLAN\_L, NC LED\_WWAN\_L:** LED connections.

PCI-E MiniCard Connector	
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	SCALE	SHT	OF
	NONE	54	86



# Left I/O Board Connector

MLB I/O Board Connector

SYNC\_MASTER=(Master)SYNC\_DATE=(Master)

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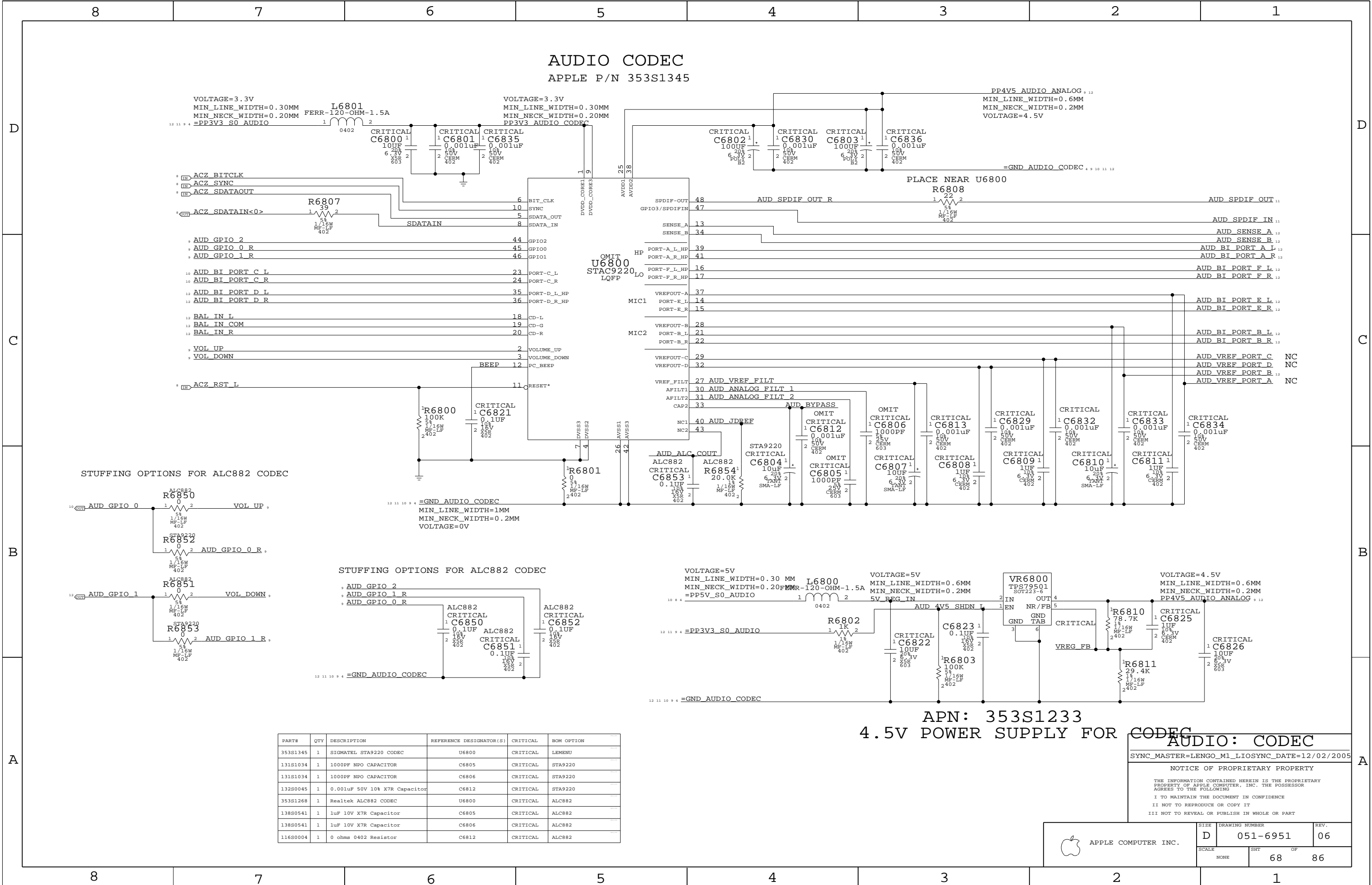
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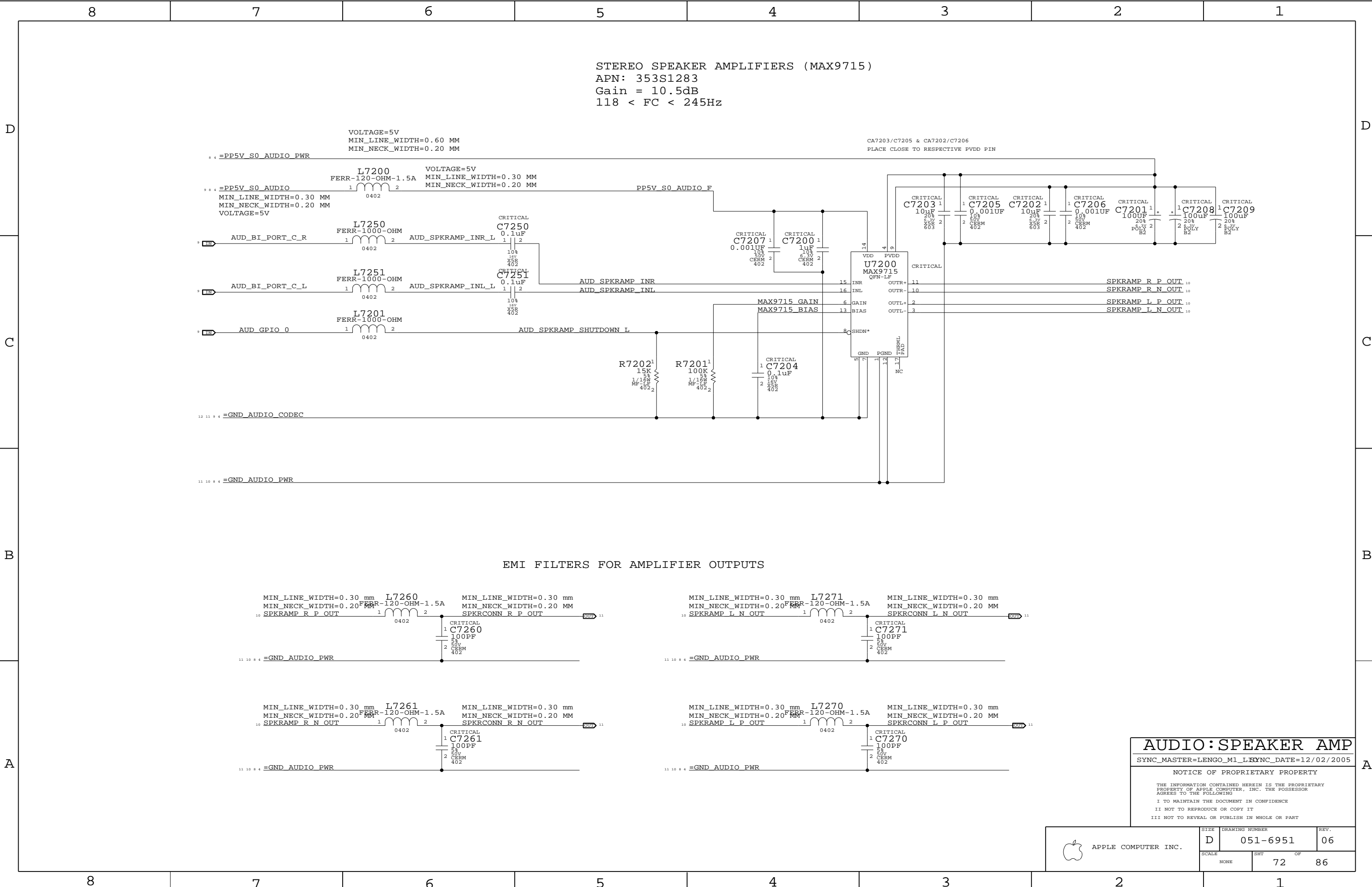
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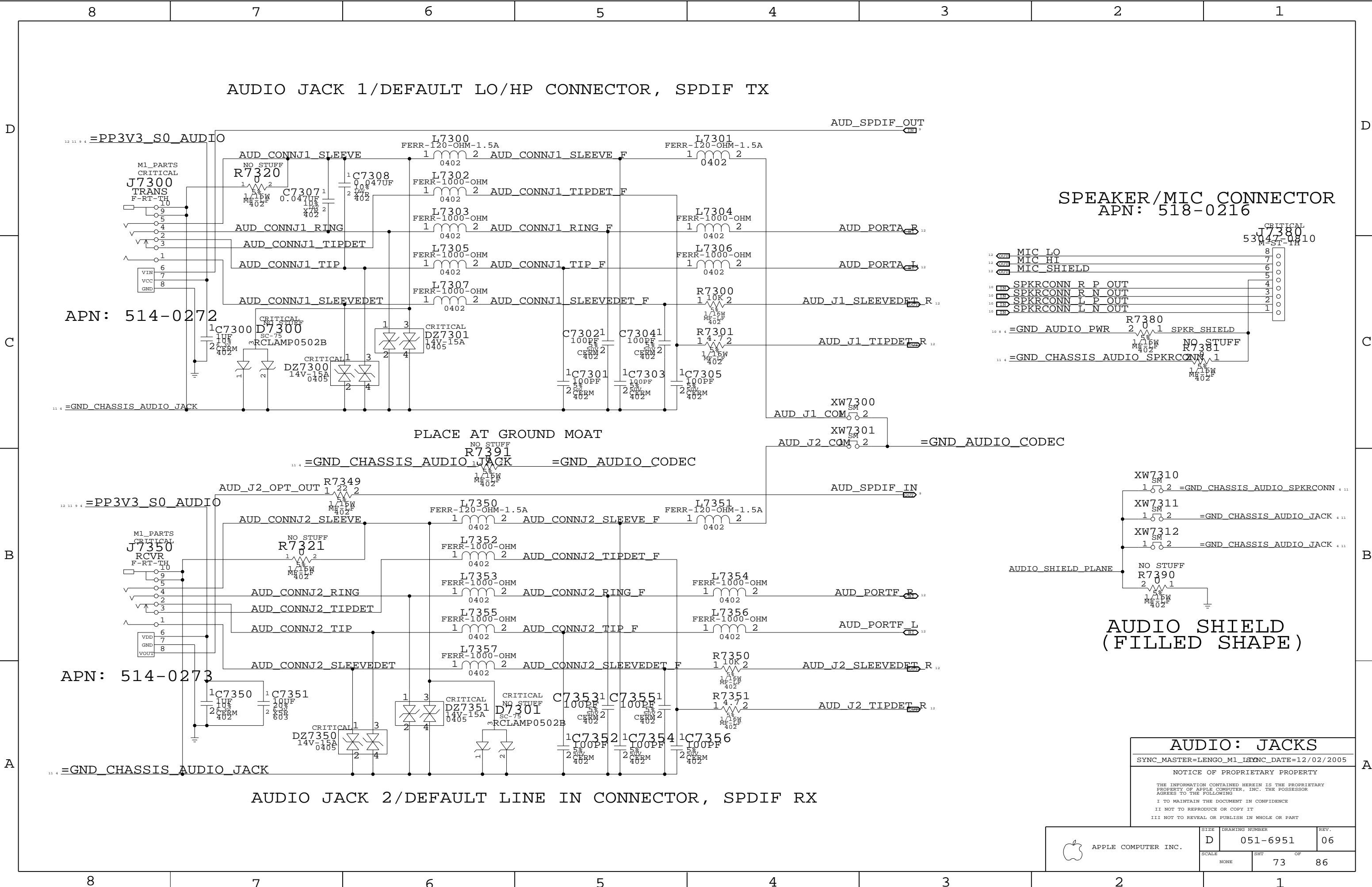
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SCALE		SHT	OF
NONE		55	86









SPEAKER/MIC CONNECTOR  
APN: 518-0216

AUDIO SHIELD  
(FILLED SHAPE)

AUDIO: JACKS

SYNC\_MASTER=LENGO\_M1\_SYNC\_DATE=12/02/2005

NOTICE OF PROPRIETARY PROPERTY

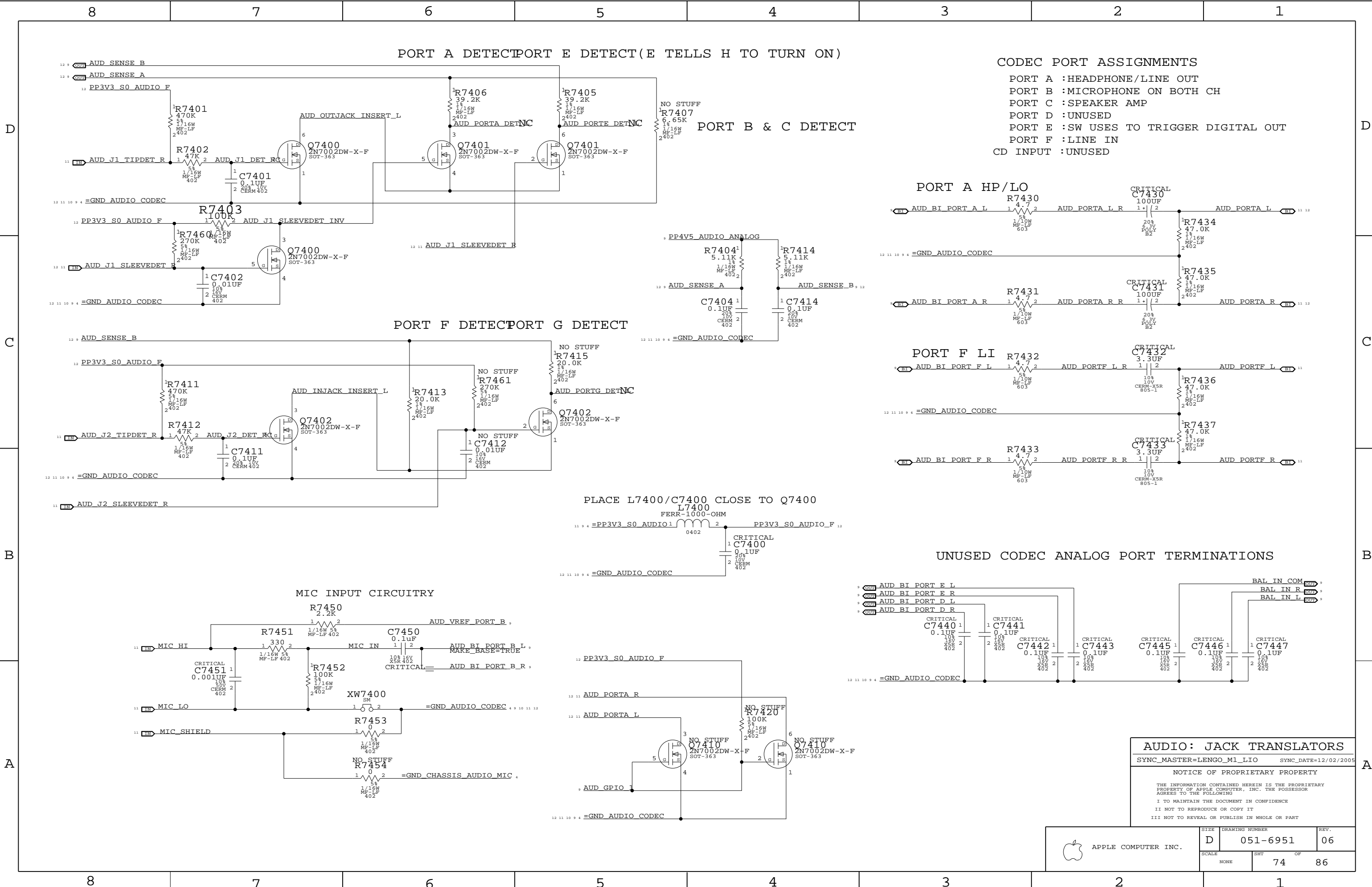
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SCALE		SHT	OF
NONE		73	86



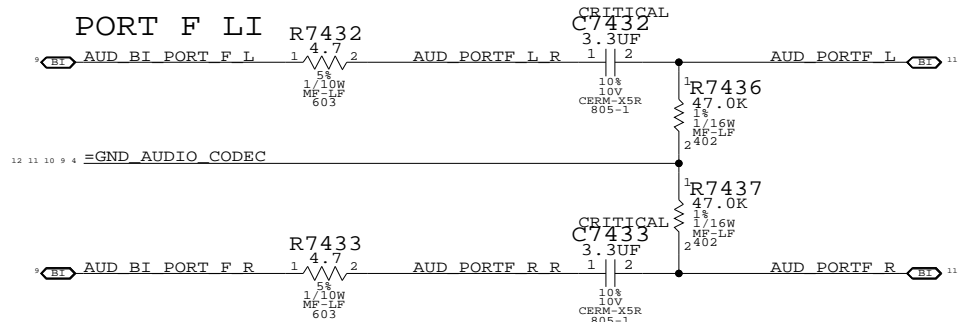
CODEC PORT ASSIGNMENTS

- PORT A : HEADPHONE/LINE OUT
- PORT B : MICROPHONE ON BOTH CH
- PORT C : SPEAKER AMP
- PORT D : UNUSED
- PORT E : SW USES TO TRIGGER DIGITAL OUT
- PORT F : LINE IN
- CD INPUT : UNUSED

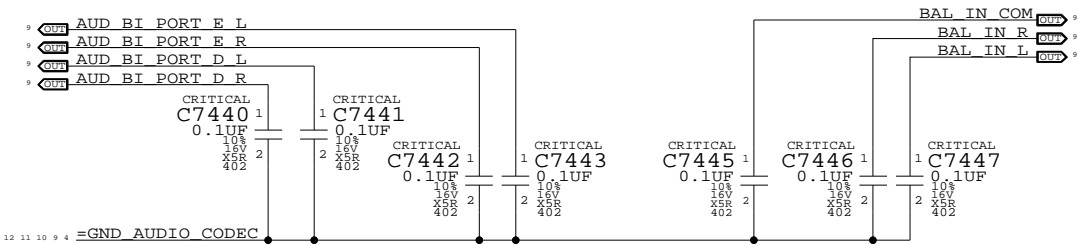
PORT A HP/LO



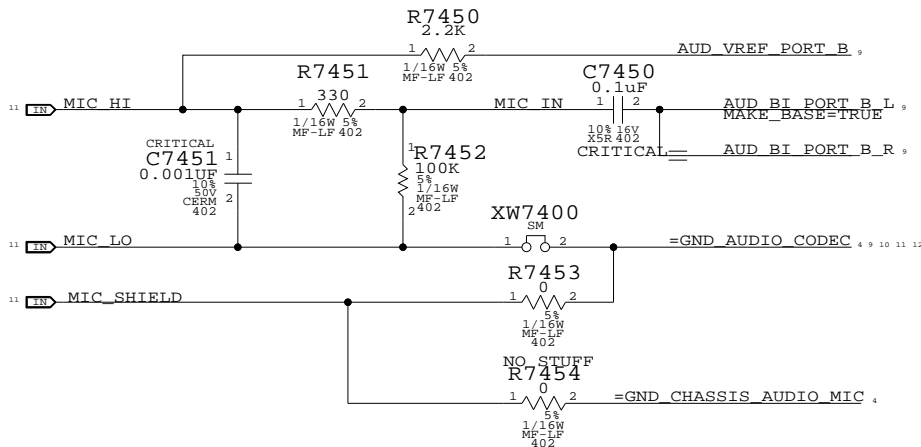
PORT F LI



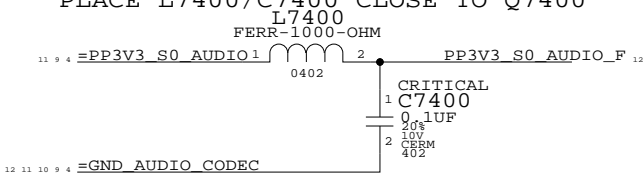
UNUSED CODEC ANALOG PORT TERMINATIONS



MIC INPUT CIRCUITRY



PLACE L7400/C7400 CLOSE TO Q7400



AUDIO: JACK TRANSLATORS

SYNC\_MASTER=LENG0\_M1\_L\_I0 SYNC\_DATE=12/02/2005

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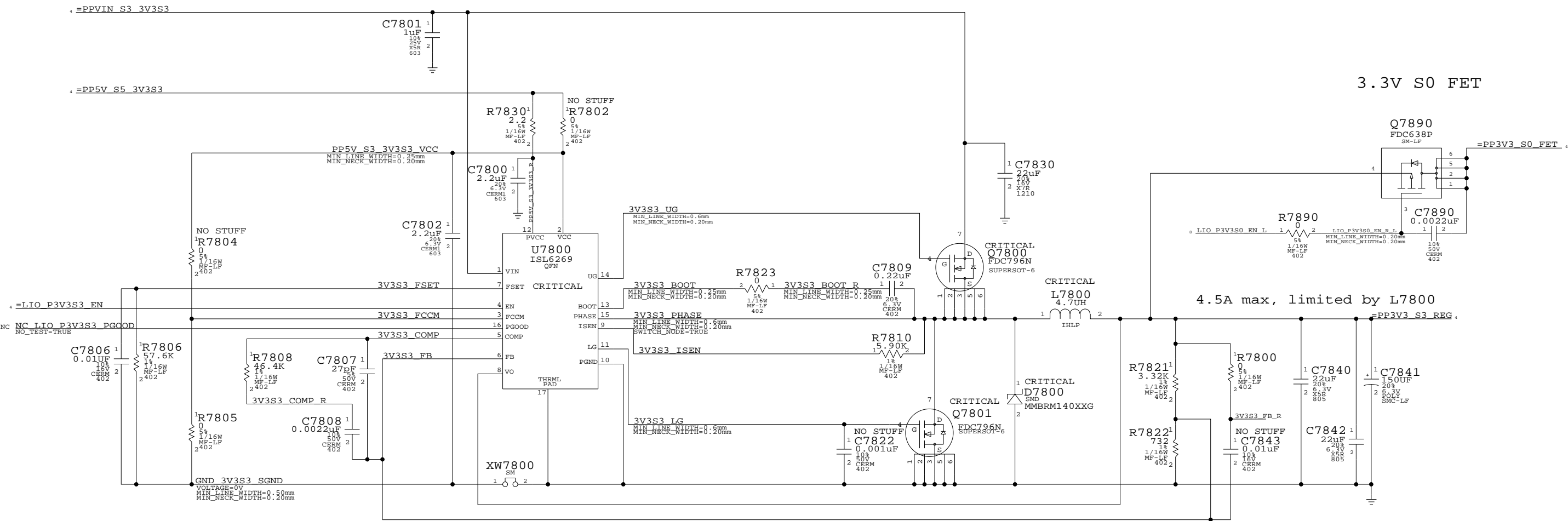
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APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-6951	06
SCALE	SHT	OF
NONE	74	86

3.3V S3/S0 Power Supply



3.3V Supply

SYNC\_MASTER=(Master)SYNC\_DATE=(Master)


NOTICE OF PROPRIETARY PROPERTY

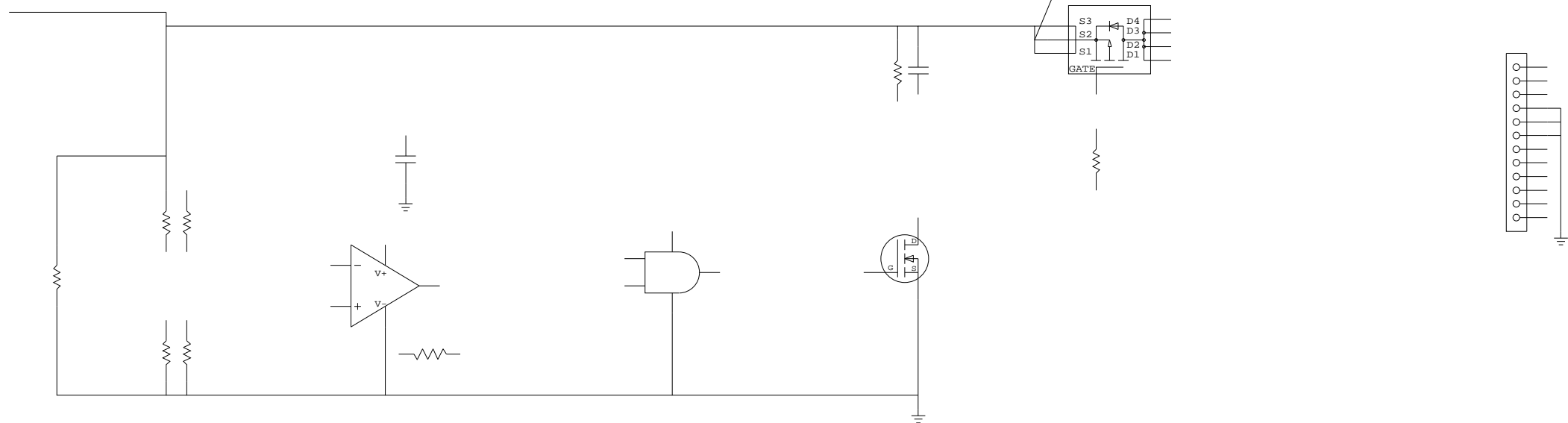
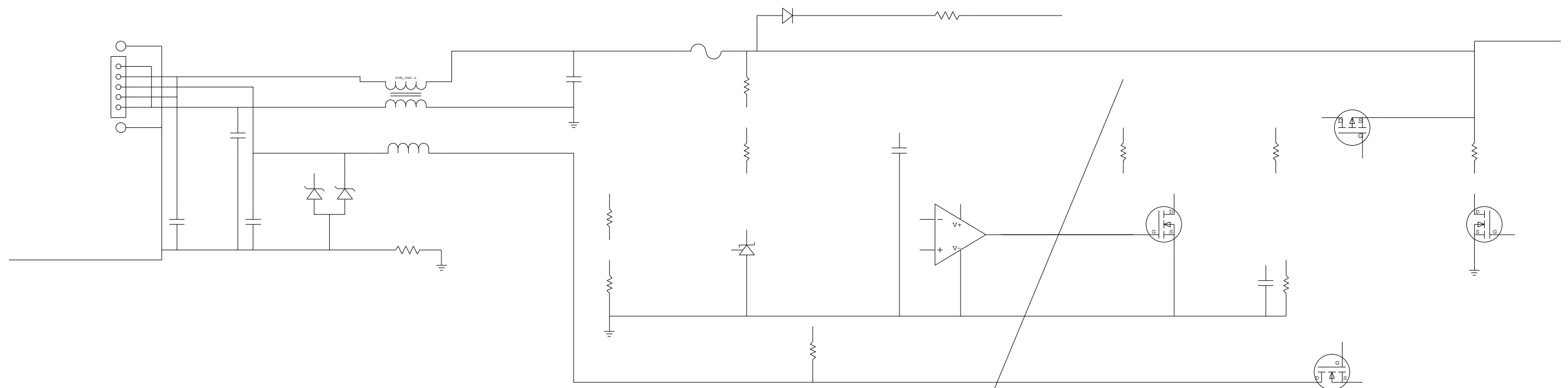
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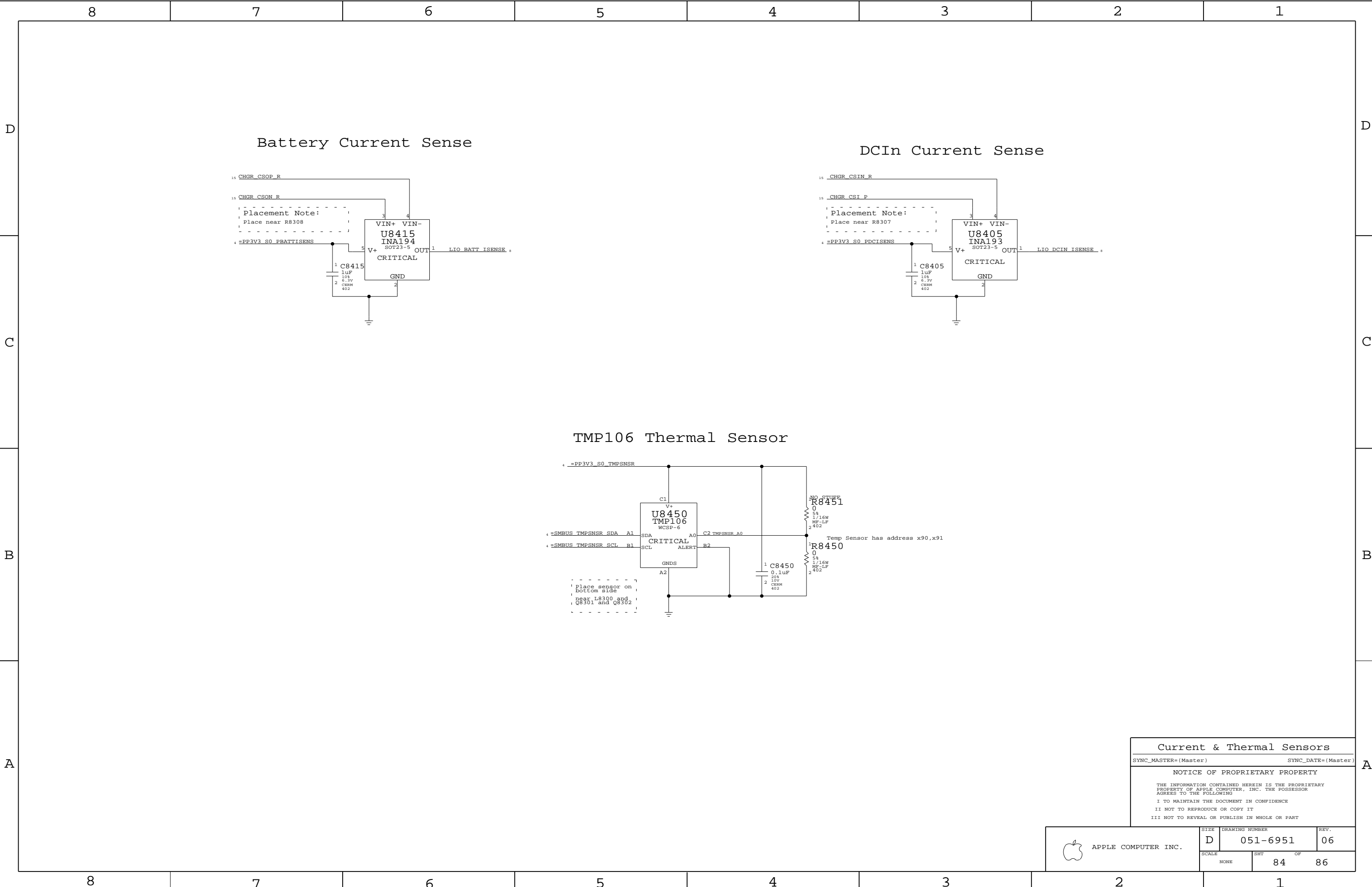
II NOT TO REPRODUCE OR COPY IT

III NOT TO REVEAL OR PUBLISH IN WHOLE OR PART

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	SCALE		SHT	OF
	NONE		78	86







Current & Thermal Sensors

SYNC\_MASTER=(Master)

SYNC\_DATE=(Master)

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SCALE		SHT	OF
NONE		84	86



[illegible]

D	Title: Cref Part Report			C7843 CAP_402 buzz[13B2]			Q7401 TRA_2N7002DW_SOT-363 buzz[12D5 12D6]			R8308 RES_0612 buzz[15C2]		
	Design: buzz			C7890 CAP_402 buzz[13C1]			Q7402 TRA_2N7002DW_SOT-363 buzz[12B7 12C5]			R8310 RES_402 buzz[15D4]		
	Date: Dec 2 9:16:54 2005			C8200 CAP_805 buzz[14C7]			Q7410 TRA_2N7002DW_SOT-363 buzz[12A4 12A5]			R8311 RES_402 buzz[15D6]		
				C8201 CAP_805 buzz[14D7]			Q7800 TRA_FDC796N_SUPERSOT buzz[13C4]			R8320 RES_2525 buzz[15B4]		
	C5100 CAP_603 buzz[5B6]			C8203 CAP_402 buzz[14C7]			Q7801 TRA_FDC796N_SUPERSOT buzz[13B4]			R8322 RES_402 buzz[15B5]		
	C5101 CAP_402 buzz[5B7]			C8204 CAP_603 buzz[14D6]			-6			R8323 RES_402 buzz[15A5]		
	C5102 CAP_603 buzz[5C5]			C8205 CAP_603 buzz[14D4]			Q7890 TRA_FDC638P_SM-LF buzz[13C2]			R8324 RES_402 buzz[15A6]		
	C5103 CAP_P_B2 buzz[5B5]			C8206 CAP_402 buzz[14C2]			Q8200 TRA_2N7002DW_SOT-363 buzz[14C2 14C3]			R8325 RES_402 buzz[15A6]		
	C5150 CAP_402 buzz[5C3]			C8210 CAP_402 buzz[14B6]			Q8209 TRA_TP0610_SOT23-3 buzz[14D2]			R8330 RES_402 buzz[15B5]		
	C5151 CAP_402 buzz[5B3]			C8250 CAP_805 buzz[14B4]			Q8210 TRA_2N7002DW_SOT-363 buzz[14C1 14A5]			R8331 RES_402 buzz[15B5]		
C	C5190 CAP_402 buzz[5B5]			C8300 CAP_402 buzz[15D6]			Q8250 TRA_SI4405DY_SO-8 buzz[14B4]			R8340 RES_402 buzz[15D8]		
	C5300 CAP_402 buzz[6C4]			C8301 CAP_402 buzz[15C6]			Q8300 TRA_SI4405DY_SO-8 buzz[15D4]			R8341 RES_402 buzz[15D8]		
	C5301 CAP_402 buzz[6C4]			C8302 CAP_402 buzz[15C6]			Q8301 TRA_HAT2168H_LFPAK buzz[15C3]			R8342 RES_402 buzz[15D8]		
	C5302 CAP_402 buzz[6C4]			C8303 CAP_603 buzz[15C4]			Q8302 TRA_HAT2165H_LFPAK buzz[15C3]			R8343 RES_402 buzz[15C8]		
	C5303 CAP_603 buzz[6C4]			C8304 CAP_402 buzz[15D4]			Q8320 TRA_SI4405DY_SO-8 buzz[15B5]			R8344 RES_402 buzz[15C7]		
	C5304 CAP_603 buzz[6C4]			C8305 CAP_1206 buzz[15C2]			Q8321 TRA_SI4405DY_SO-8 buzz[15B4]			R8350 RES_402 buzz[15C7]		
	C5305 CAP_603 buzz[6C4]			C8306 CAP_1206 buzz[15C2]			Q8322 TRA_2N7002DW_SOT-363 buzz[15A5 15A6]			R8352 RES_402 buzz[15B8]		
	C5330 CAP_402 buzz[6C8]			C8307 CAP_603 buzz[15D7]			Q8324 TRA_2N7002DW_SOT-363 buzz[15A4 15A5]			R8360 RES_402 buzz[15B8]		
	C5331 CAP_603 buzz[6C7]			C8308 CAP_1210 buzz[15C3]			Q8340 TRA_IRLML5203_SM buzz[15D7]			R8362 RES_402 buzz[15A8]		
	C5334 CAP_402 buzz[6C8]			C8309 CAP_P_6_3X5.5SM1 buzz[15C2]			Q8350 TRA_2N7002_SOT23-LF buzz[15B7]			R8363 RES_402 buzz[15A7]		
B	C5335 CAP_603 buzz[6C7]			C8310 CAP_1210 buzz[15B2]			R0600 RES_402 buzz[4A5]			R8364 RES_402 buzz[15C6]		
	C5350 CAP_402 buzz[6A7]			C8311 CAP_402 buzz[15D6]			R0601 RES_402 buzz[4A5]			R8365 RES_402 buzz[15B6]		
	C5351 CAP_402 buzz[6A5]			C8312 CAP_402 buzz[15D5]			R5190 RES_402 buzz[5C5]			R8366 RES_402 buzz[15A7]		
	C5360 CAP_402 buzz[6A3]			C8314 CAP_402 buzz[15C6]			R5300 RES_402 buzz[6C6]			R8367 RES_402 buzz[15A7]		
	C5400 CAP_402 buzz[7C3]			C8315 CAP_402 buzz[15C6]			R5301 RES_402 buzz[6C6]			R8370 RES_603 buzz[15C4]		
	C5401 CAP_603 buzz[7C3]			C8316 CAP_1206 buzz[15C2]			R5352 RES_402 buzz[6A6]			R8450 RES_402 buzz[16B4]		
	C5410 CAP_402 buzz[7C3]			C8319 CAP_402 buzz[15D6]			R5353 RES_402 buzz[6B5]			R8451 RES_402 buzz[16B4]		
	C5411 CAP_603 buzz[7C3]			C8320 CAP_402 buzz[15B7]			R5354 RES_402 buzz[6B5]			U5100 SW1_TP82051BDQM_MSOP buzz[5C6]		
	C5420 CAP_402 buzz[7C3]			C8321 CAP_402 buzz[15B6]			R5360 RES_402 buzz[6B3]			U5300 PWR_CNTRL_TPS2231_QF buzz[6C5]		
	C5421 CAP_603 buzz[7C3]			C8322 CAP_402 buzz[15B6]			R5361 RES_402 buzz[6B3]			N		
A	C6800 CAP_603 buzz[9D6]			C8323 CAP_402 buzz[15A6]			R6800 RES_402 buzz[9C6]			U5351 MC74VHC1G00_SC70-5 buzz[6A6]		
	C6801 CAP_402 buzz[9D6]			C8324 CAP_402 buzz[15B5]			R6801 RES_402 buzz[9B5]			U5352 MC74VHC1G08_SC70 buzz[6A5]		
	C6802 CAP_P_B2 buzz[9D4]			C8325 CAP_402 buzz[15B5]			R6802 RES_402 buzz[9B4]			U5360 MC74VHC1G00_SC70-5 buzz[6B2]		
	C6803 CAP_P_B2 buzz[9D3]			C8327 CAP_402 buzz[15B2]			R6803 RES_402 buzz[9A3]			U6800 AUDIO_STAC9220_LQFP buzz[9D5]		
	C6804 CAP_P_SMA-LF buzz[9B4]			C8330 CAP_402 buzz[15A2]			R6807 RES_402 buzz[9D7]			U7200 MAX9715_QFN-LF buzz[10C4]		
	C6805 CAP_603 buzz[9B4]			C8340 CAP_603 buzz[15D7]			R6808 RES_402 buzz[9D3]			U7800 ISL6269_QFN buzz[13C6]		
	C6806 CAP_603 buzz[9B3]			C8361 CAP_402 buzz[15A7]			R6810 RES_402 buzz[9B2]			U8200 COMPARATOR_LMC7211_8 buzz[14A6]		
	C6807 CAP_P_SMA-LF buzz[9B3]			C8362 CAP_402 buzz[15A7]			R6811 RES_402 buzz[9A2]			M-LF		
	C6808 CAP_402 buzz[9B3]			C8370 CAP_603 buzz[15C5]			R6850 RES_402 buzz[9B7]			U8250 MC74VHC1G08_SC70 buzz[14A5]		
	C6809 CAP_402 buzz[9B2]			C8405 CAP_402 buzz[16C3]			R6851 RES_402 buzz[9B7]			U8290 COMPARATOR_LM397_SOT buzz[14C4]		
	C6810 CAP_P_SMA-LF buzz[9B2]			C8415 CAP_402 buzz[16C7]			R6852 RES_402 buzz[9B7]			23-5		
	C6811 CAP_402 buzz[9B2]			C8450 CAP_402 buzz[16B4]			R6853 RES_402 buzz[9A7]			U8300 ISL6255_QFN buzz[15D5]		
	C6812 CAP_402 buzz[9B4]			D5100 DIODE_SCHOT_3P_A_SC- buzz[5B3]			R6854 RES_402 buzz[9B4]			U8405 INA193_SOT23-5 buzz[16C3]		
	C6813 CAP_402 buzz[9B3]			D7300 DIODE_SCHOT_3P_A_SC- buzz[11C7]			R7201 RES_402 buzz[10C4]			U8415 INA194_SOT23-5 buzz[16C6]		
	C6821 CAP_402 buzz[9C6]			75			R7202 RES_402 buzz[10C5]			U8450 TMP106_WCSP-6 buzz[16B5]		
	C6822 CAP_603 buzz[9A3]			D7301 DIODE_SCHOT_3P_A_SC- buzz[11A6]			R7300 RES_402 buzz[11C4]			VR6800 LREG_TPS79501_SOT223 buzz[9B3]		
	C6823 CAP_402 buzz[9B3]			75			R7301 RES_402 buzz[11C4]			-6		
	C6825 CAP_402 buzz[9B2]			D7800 DIO_MBRM140T3_SM_SMD buzz[13B3]			R7320 RES_402 buzz[11D7]			VR8290 SHNTRFEG_LM431_SOT23- buzz[14C5]		
	C6826 CAP_603 buzz[9A1]			D8200 DIODE_SCHOT_3P_A_SC- buzz[14C7]			R7321 RES_402 buzz[11B7]			3-LF		
	C6829 CAP_402 buzz[9B3]			75			R7322 RES_402 buzz[11B7]			XW7300 SHORT_SM buzz[11C4]		
C6830 CAP_402 buzz[9D4]			D8201 DIODE_SOT23 buzz[14D5]			R7329 RES_402 buzz[11A4]			XW7301 SHORT_SM buzz[11B4]			
	C6832 CAP_402 buzz[9B2]			D8300 DIODE_SCHOT_SOD-123 buzz[15C3]			R7351 RES_402 buzz[11A4]			XW7310 SHORT_SM buzz[11B2]		
	C6833 CAP_402 buzz[9B2]			D8321 DIODE_SOT23 buzz[15B4]			R7380 RES_402 buzz[11C2]			XW7311 SHORT_SM buzz[11B2]		
	C6834 CAP_402 buzz[9D6]			D8340 DIODE_SOT23 buzz[15C7]			R7381 RES_402 buzz[11C1]			XW7312 SHORT_SM buzz[11B2]		
	C6835 CAP_402 buzz[9D6]			DZ7300 SUPPR_TRANSIENT_4P1_ buzz[11C6]			R7390 RES_402 buzz[11B2]			XW7400 SHORT_SM buzz[12A6]		
	C6836 CAP_402 buzz[9D3]			0405			R7391 RES_402 buzz[11B6]			XW7800 SHORT_SM buzz[13B6]		
	C6850 CAP_402 buzz[9B6]			DZ7301 SUPPR_TRANSIENT_4P1_ buzz[11C6]			R7401 RES_402 buzz[12D8]			XW8300 SHORT_SM buzz[15C5]		
	C6851 CAP_402 buzz[9A5]			0405			R7402 RES_402 buzz[12D7]			XW8301 SHORT_SM buzz[15D3]		
	C6852 CAP_402 buzz[9B5]			DZ7350 SUPPR_TRANSIENT_4P1_ buzz[11A6]			R7403 RES_402 buzz[12C7]			XW8302 SHORT_SM buzz[15C3]		
	C6853 CAP_402 buzz[9B4]			0405			R7404 RES_402 buzz[12C4]			XW8303 SHORT_SM buzz[15B2]		
	C7200 CAP_402 buzz[10C4]			DZ7351 SUPPR_TRANSIENT_4P1_ buzz[11A6]			R7405 RES_402 buzz[12D5]			XW8304 SHORT_SM buzz[15B2]		
C7201 CAP_P_B2 buzz[10D2]			0405			R7406 RES_402 buzz[12D6]						
C7202 CAP_603 buzz[10D2]			F8200 FUSE_1206 buzz[14D5]			R7407 RES_402 buzz[12D5]						
C7203 CAP_603 buzz[10D3]			F8302 FUSE_1206 buzz[15B3]			R7411 RES_402 buzz[12C8]						
C7204 CAP_402 buzz[10C4]			FL5500 FILTER_4P_TCM1005 buzz[8C3]			R7412 RES_402 buzz[12B7]						
C7205 CAP_402 buzz[10D3]			FL5501 FILTER_4P_TCM1005 buzz[8B3]			R7413 RES_402 buzz[12C6]						
C7206 CAP_402 buzz[10D2]			J5100 CON_F4RT_USB_S2MT_TH buzz[5C2]			R7414 RES_402 buzz[12C4]						
C7207 CAP_402 buzz[10C4]			J5300 CON_F26RT_S2MT_SM_F- buzz[6D2]			R7415 RES_402 buzz[12C5]						
C7208 CAP_P_B2 buzz[10D2]			RT-SM			R7420 RES_402 buzz[12A4]						
C7209 CAP_P_B2 buzz[10D1]			J5400 CON_F52RT_D2MT_SM_F- buzz[7C5]			R7430 RES_603 buzz[12D3]						
C7250 CAP_402 buzz[10C6]			ST-SM			R7431 RES_603 buzz[12C3]						
C7251 CAP_402 buzz[10C6]			J5500 CON_F80ST_D4MT_SM_F- buzz[8C4]			R7432 RES_603 buzz[12C3]						
C7260 CAP_402 buzz[10B6]			ST-SM			R7433 RES_603 buzz[12B3]						
C7261 CAP_402 buzz[10A6]			J7300 CON_F8RT_SPDIFTRAN_T buzz[11D8]			R7434 RES_402 buzz[12C2]						
C7270 CAP_402 buzz[10A3]			H2_F-RT-TH			R7435 RES_402 buzz[12C2]						
C7271 CAP_402 buzz[10B3]			J7350 CON_F8RT_SPDIFRCVR_T buzz[11B8]			R7436 RES_402 buzz[12C2]						
C7300 CAP_402 buzz[11C7]			H2_F-RT-TH			R7437 RES_402 buzz[12B2]						
C7301 CAP_402 buzz[11C5]			J7380 CON_M8ST_S_TH_M-ST-T buzz[11C1]			R7450 RES_402 buzz[12B7]						
C7302 CAP_402 buzz[11C5]			H			R7451 RES_402 buzz[12A7]						
C7303 CAP_402 buzz[11C5]			J8200 CON_F5RT_S2MT_TH3_F- buzz[14D8]			R7452 RES_402 buzz[12A7]						
C7304 CAP_402 buzz[11C5]			RT-TH			R7453 RES_402 buzz[12A6]						
C7305 CAP_402 buzz[11C5]			J8215 CON_M12ST_S_SM_M-ST- buzz[14B2]			R7454 RES_402 buzz[12A6]						
C7307 CAP_402 buzz[11D7]			L5100 FILTER_4P_SM buzz[5C4]			R7460 RES_402 buzz[12C7]						
C7308 CAP_402 buzz[11D6]			L5101 IND_SM buzz[5C4]			R7461 RES_402 buzz[12C6]						
C7309 CAP_402 buzz[11D6]			L5150 IND_SM buzz[5B4]			R7462 RES_402 buzz[12C6]						
C7350 CAP_402 buzz[11A7]			L6800 IND_0402 buzz[9B4]			R7800 RES_402 buzz[13B2]						
C7351 CAP_603 buzz[11A7]			L6801 IND_0402 buzz[9D6]			R7802 RES_402 buzz[13C6]						
C7352 CAP_402 buzz[11A5]			L7200 IND_0402 buzz[10D6]			R7804 RES_402 buzz[13C7]						
C7353 CAP_402 buzz[11A5]			L7201 IND_0402 buzz[10C6]			R7805 RES_402 buzz[13B7]						
C7354 CAP_402 buzz[11A5]			L7250 IND_0402 buzz[10C6]			R7806 RES_402 buzz[13B8]						
C7355 CAP_402 buzz[11A5]			L7251 IND_0402 buzz[10C6]			R7808 RES_402 buzz[13B7]						
C7356 CAP_402 buzz[11A5]			L7260 IND_0402 buzz[10B6]			R7810 RES_402 buzz[13B4]						
C7400 CAP_402 buzz[12B4]			L7261 IND_0402 buzz[10A6]			R7821 RES_402 buzz[13B3]						
C7401 CAP_402 buzz[12D7]			L7270 IND_0402 buzz[10A4]			R7822 RES_402 buzz[13B3]						
C7402 CAP_402 buzz[12C7]			L7271 IND_0402 buzz[10B4]			R7823 RES_402 buzz[13C5]						
C7404 CAP_402 buzz[12C4]			L7300 IND_0402 buzz[11D6]			R7830 RES_402 buzz[13C6]						
C7411 CAP_402 buzz[12B7]			L7301 IND_0402 buzz[11D4]			R7890 RES_402 buzz[13C2]						
C7412 CAP_402 buzz[12B6]			L7302 IND_0402 buzz[11D6]			R8200 RES_402 buzz[14C2]						
C7414 CAP_402 buzz[12C4]			L7303 IND_0402 buzz[11C6]			R8201 RES_402 buzz[14D2]						
C7430 CAP_P_B2 buzz[12D2]			L7304 IND_0402 buzz[11C4]			R8202 RES_402 buzz[14D5]						
C7431 CAP_P_B2 buzz[12C2]			L7305 IND_0402 buzz[11C6]			R8203 RES_402 buzz[14C5]						
C7432 CAP_805-1 buzz[12C2]			L7306 IND_0402 buzz[11C4]			R8204 RES_402 buzz[14C6]						
C7433 CAP_805-1 buzz[12B2]			L7307 IND_0402 buzz[11C6]			R8205 RES_402 buzz[14D3]						
C7440 CAP_402 buzz[12B3]			L7350 IND_0402 buzz[11B6]			R8207 RES_805 buzz[14D4]						
C7441 CAP_402 buzz[12B3]			L7351 IND_0402 buzz[11B4]			R8208 RES_402 buzz[14D5]						
C7442 CAP_402 buzz[12A2]			L7352 IND_0402 buzz[11B6]			R8209 RES_402 buzz[14D1]						
C7443 CAP_402 buzz[12A2]			L7353 IND_0402 buzz[11B6]			R8210 RES_402 buzz[14A7]						
C7445 CAP_402 buzz[12A1]			L7354 IND_0402 buzz[11B4]			R8212 RES_402 buzz[14A7]						
C7447 CAP_402 buzz[12A1]			L7355 IND_0402 buzz[11B6]			R8213 RES_402 buzz[14A7]						
C7450 CAP_402 buzz[12A6]			L7356 IND_0402 buzz[11B4]			R8214 RES_402 buzz[14A7]						
C7451 CAP_402 buzz[12A7]			L7357 IND_0402 buzz[11A6]			R8215 RES_402 buzz[14A7]						
C7800 CAP_603 buzz[13C6]			L7400 IND_0402 buzz[12B4]			R8216 RES_402 buzz[14A6]						
C7801 CAP_603 buzz[13C6]			L7800 IND_IHLF buzz[13B3]			R8221 RES_402 buzz[14B5]						
C7802 CAP_603 buzz[13C6]			L8200 FILTER_4P_SM buzz[14D6]			R8250 RES_402 buzz[14B4]						
C7806 CAP_402 buzz[13B8]			L8201 IND_SM-1 buzz[14D6]			R8290 RES_402 buzz[14C5]						
C7807 CAP_402 buzz[13B6]			L8300 IND_3P_SM buzz[15C3]			R8291 RES_402 buzz[14C4]						
C7808 CAP_402 buzz[13B7]			L8320 IND_SM-LF buzz[15B2]			R8300 RES_402 buzz[15D5]						
C7809 CAP_402 buzz[13C4]			L8321 IND_SM-LF buzz[15A2]			R8301 RES_402 buzz[15C6]						
C7822 CAP_402 buzz[13B4]			Q5360 TRA_2N7002_SOT23-LF buzz[6B3]			R8302 RES_402 buzz[15D6]						
C7830 CAP_1210 buzz[13C3]			Q7400 TRA_2N7002DW_SOT-363 buzz[12C7 12D7]			R8303 RES_402 buzz[15C4]						
C7840 CAP_805 buzz[13B2]						R8304 RES_402 buzz[15B1]						
C7841 CAP_P_SMC-LF buzz[13B2]						R8305 RES_402 buzz[15C4]						
C7842 CAP_805 buzz[13B2]						R8306 RES_402 buzz[15B1]						
						R8307 RES_0612 buzz[15D3]						