

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	ENG APPD
				DATE	DATE
04		426972	ENGINEERING RELEASED	02/23/06?	

# SCHEM, SYMPHONY, M9

## DVT

### 02/23/06

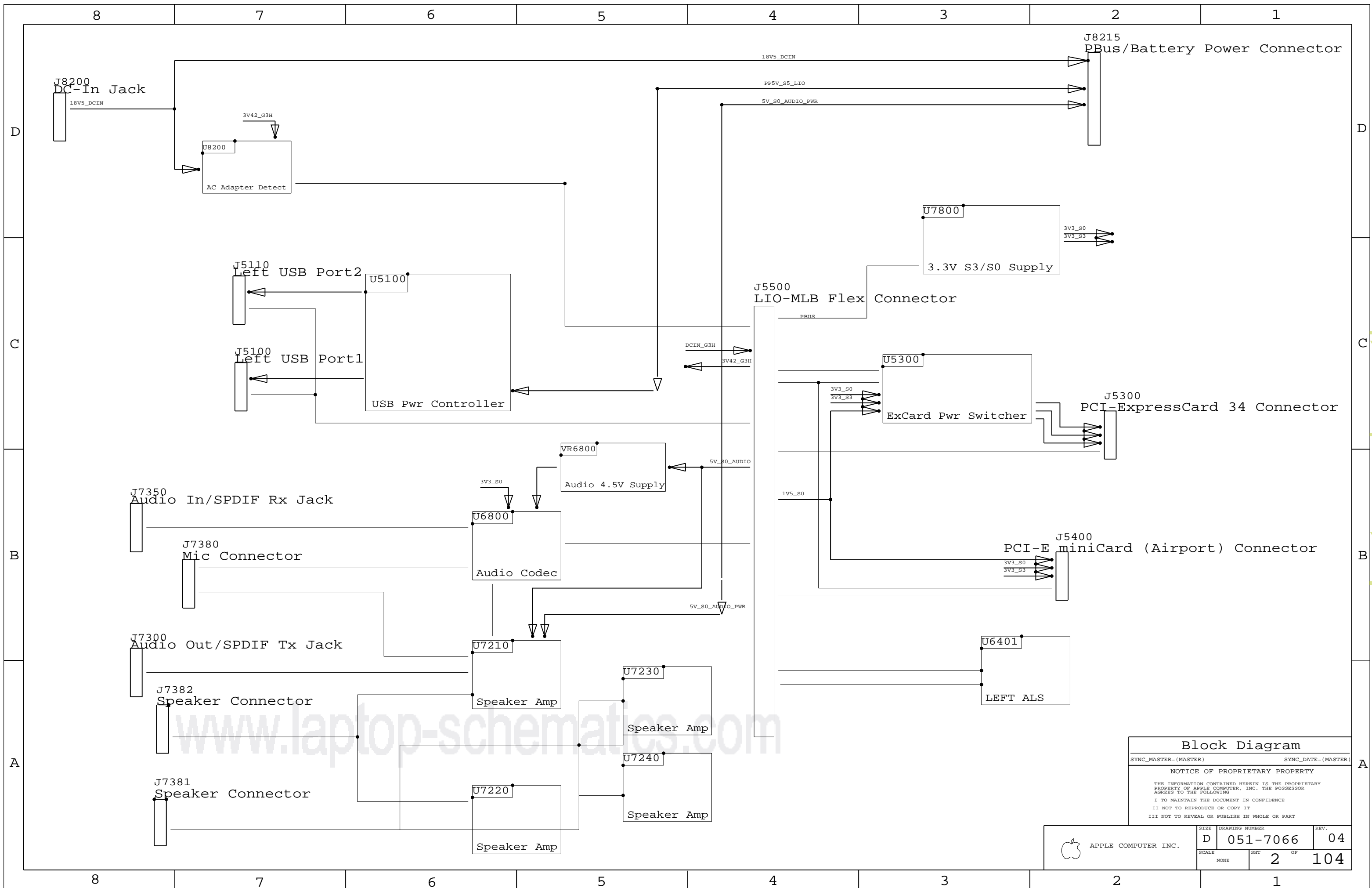
PDF PAGE	CSA PAGE	CONTENTS	SYNC MASTER	DATE
1	1	Table of Contents	N/A	N/A
2	2	Block Diagram	(MASTER)	(MASTER)
3	4	BOM CONFIGURATION	(MASTER)	(MASTER)
4	6	Aliases	(MASTER)	(MASTER)
5	51	Left USB Port	(MASTER)	(MASTER)
6	53	ExpressCard Connector	BUZZ	02/23/2006
7	54	PCI-E MiniCard Connector	BUZZ	02/23/2006
8	55	MLB I/O Board Connector	(MASTER)	(MASTER)
9	64	Left ALS	(MASTER)	(MASTER)
10	68	AUDIO: CODEC	AUDIO_M9_PRO_LIO	02/23/2006
11	70	AUDIO: LINE IN	AUDIO_M9_PRO_LIO	02/23/2006
12	71	AUDIO: HEADPHONE AMP	AUDIO_M9_PRO_LIO	02/23/2006
13	72	AUDIO: SPEAKER AMP	AUDIO_M9_PRO_LIO	02/23/2006
14	73	AUDIO: JACKS	AUDIO_M9_PRO_LIO	02/23/2006
15	74	AUDIO: JACK TRANSLATORS	AUDIO_M9_PRO_LIO	02/23/2006
16	78	3.3V Supply	BUZZ	02/23/2006
17	82	DC-In & Battery Connectors	(MASTER)	(MASTER)
18	84	LEFT I/O POWER CONNECTOR	(MASTER)	(MASTER)
19	100	HISTORY- NON-AUDIO	(MASTER)	(MASTER)
20	101	HISTORY- AUDIO	(MASTER)	(MASTER)
21	102	Cross Reference Page		
22	103	Cross Reference Page		
23	104	Cross Reference Page		

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
051-7066	1	SCHEM, SYMPHONY, NEW, M9	SCH1	
820-1970	1	PCBF, SYMPHONY, M9	PCB1	

DIMENSIONS ARE IN MILLIMETERS		<b>METRIC</b>		Apple Computer Inc.	
XX : _____	_____	DRAPTER	DESIGN CK	<b>NOTICE OF PROPRIETARY PROPERTY</b> THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE COMPUTER, INC. THE POSSESSOR AGREES TO THE FOLLOWING: I. TO MAINTAIN THE DOCUMENT IN CONFIDENCE II. NOT TO REPRODUCE OR COPY IT III. NOT TO REVEAL OR PUBLISH IN WHOLE OR PART	
X.XX : _____	_____	ENG APPD	MFG APPD		
X.XXX : _____	_____	QA APPD	DESIGNER		
ANGLES : _____	_____	RELEASE	SCALE		
DO NOT SCALE DRAWING		SCALE NONE		TITLE	
 THIRD ANGLE PROJECTION		MATERIAL/FINISH NOTED AS APPLICABLE		SIZE D	SCHEM, SYMPHONY, NEW, M9 DRAWING NUMBER <b>051-7066</b> REV. <b>04</b>
				SHT 1 OF 104	

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**Block Diagram**

SYNC\_MASTER=(MASTER) SYNC\_DATE=(MASTER)

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	D	051-7066	04
SCALE	SHT	OF	REV.
NONE	2	104	

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2

1

BOM NUMBER	BOM NAME	BOM OPTIONS
630-7510	PCBA, SYMPHONY, NEW, M9	COMMON, EXCARD_3CNTL, ONEWIRE_DIV, ONEWIRE_PWRCTL, ALTERNATE

BAR CODE LABEL / EEE#'S

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
000-0041	1	PLACEHOLDER FOR EEE/CCC INFO	[EEE:V3P]	CRITICAL	

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
815-8851	1	ALS SPACER, M9	SP6401	CRITICAL	

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
376S0448	376S0445		ALL	

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BOM CONFIGURATION

SYNC\_MASTER=(MASTER) SYNC\_DATE=(MASTER)

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	D	051-7066	04
	SCALE	SHT	OF
	NONE	4	104

8

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C

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B

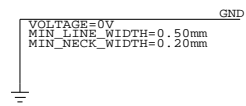
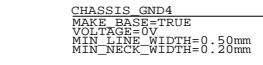
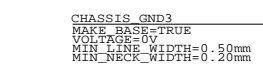
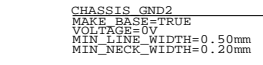
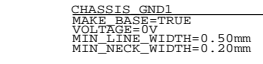
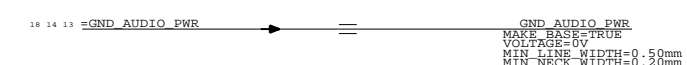
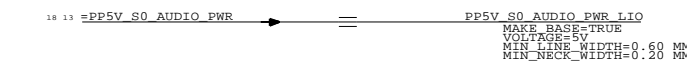
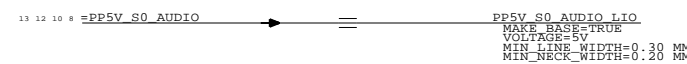
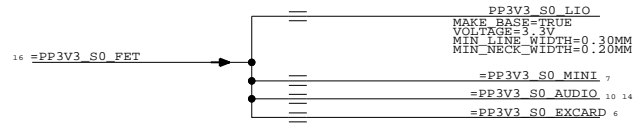
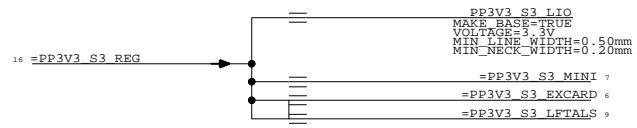
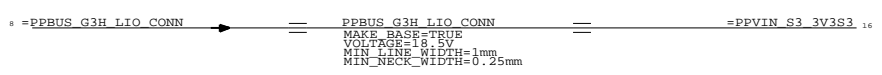
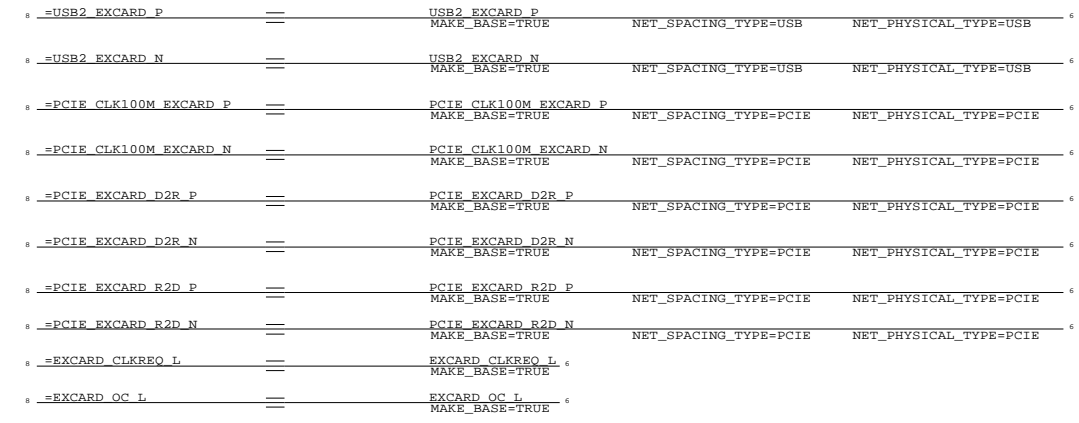
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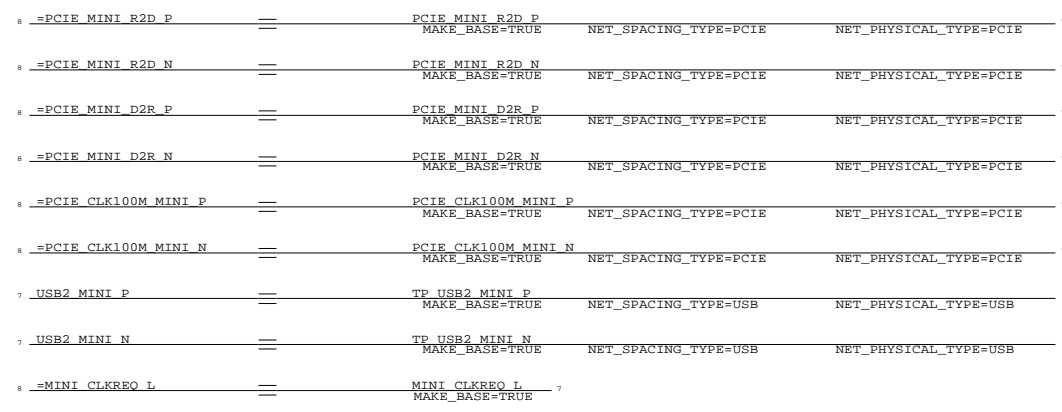
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POWER & GROUNDS

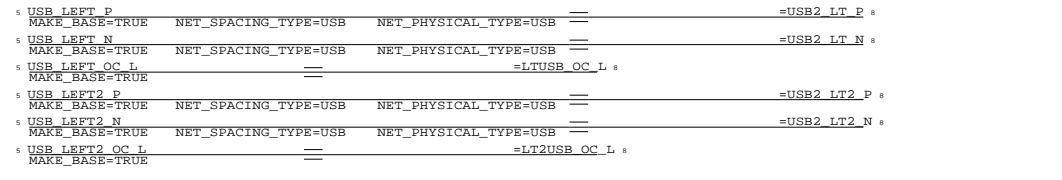
PCI-E EXPRESS CARD 34



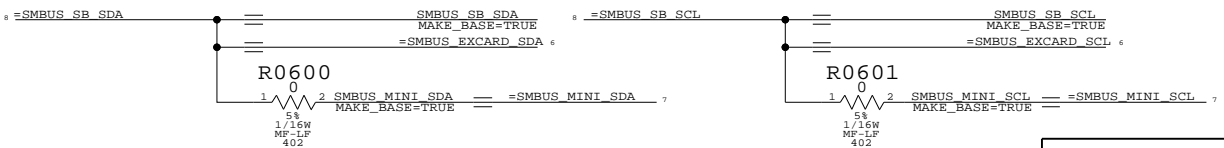
PCI-E MINICARD



USB

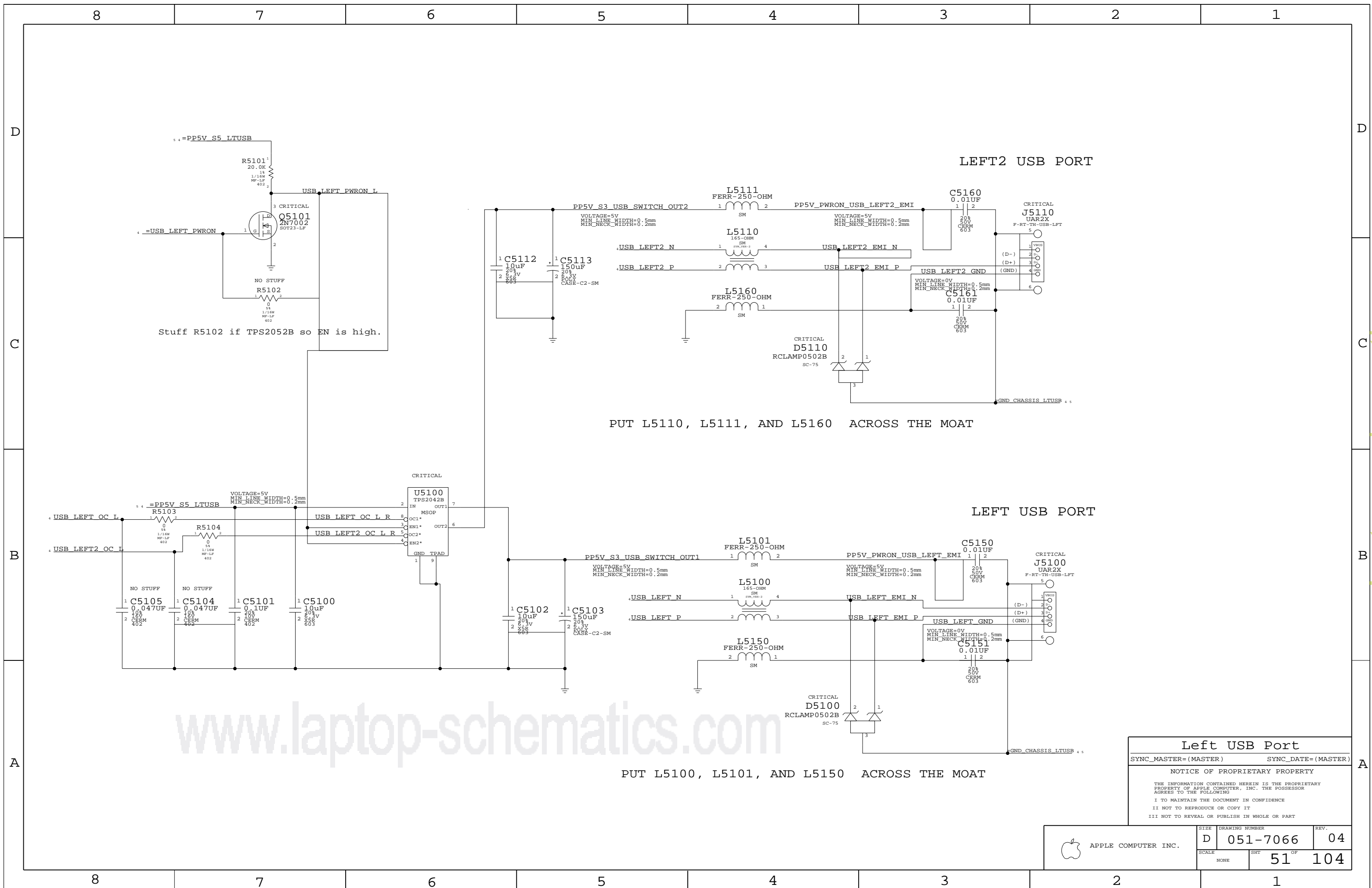


SMBUS



Aliases	
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	D	051-7066	04
SCALE	SHT	OF	
NONE	6	104	



Stuff R5102 if TPS2052B so EN is high.

PUT L5110, L5111, AND L5160 ACROSS THE MOAT

PUT L5100, L5101, AND L5150 ACROSS THE MOAT

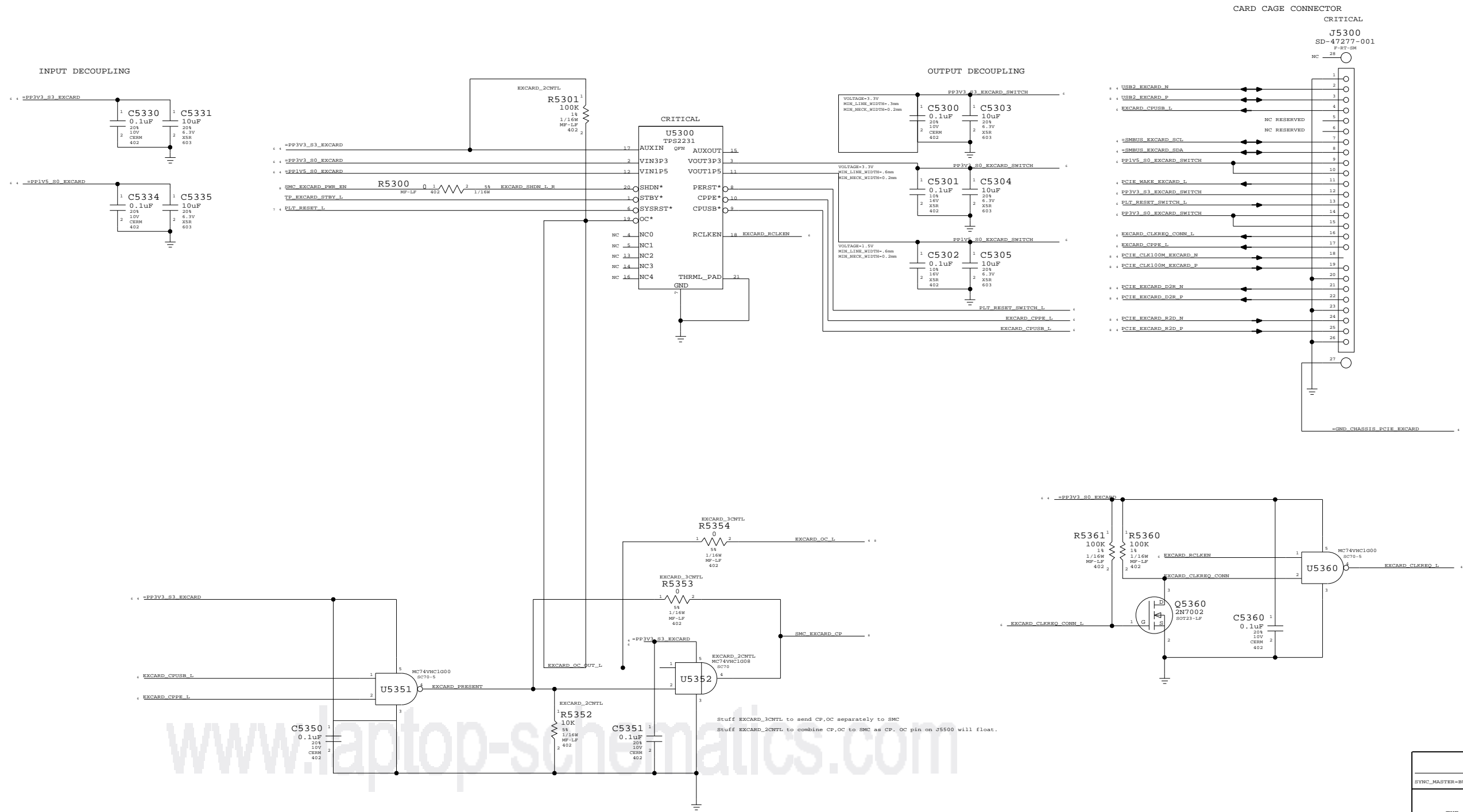
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**Left USB Port**  
 SYNC\_MASTER=(MASTER) SYNC\_DATE=(MASTER)  
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SCALE	SHT	OF	
NONE	51	104	

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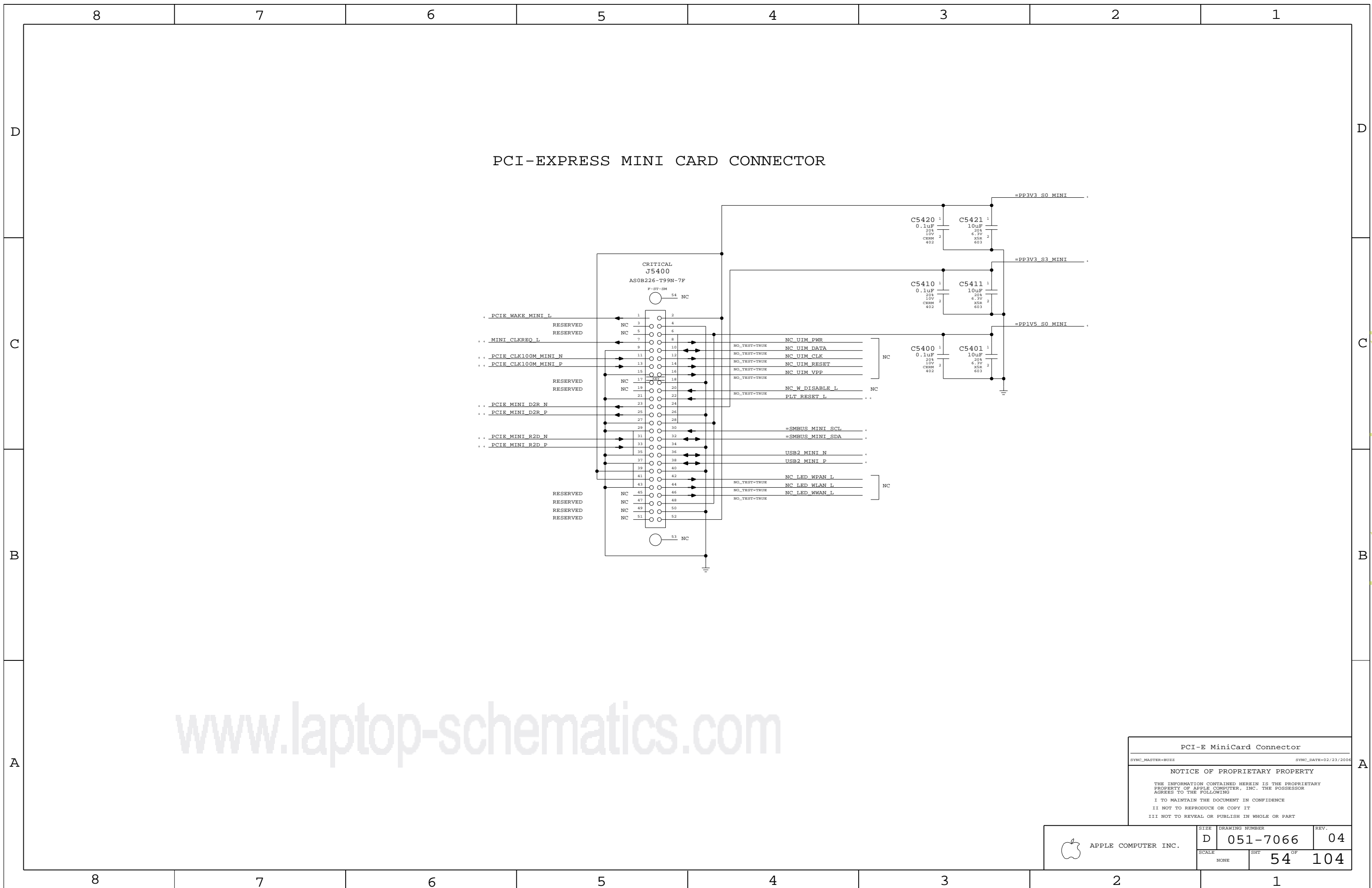
# EXPRESSCARD/34 TOP MOUNT CONNECTOR



ExpressCard Connector  
 SYNC\_MASTER=BUZZ SYNC\_DATE=02/23/2006  
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SCALE	SHT		OF
NONE	53		104

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PCI-EXPRESS MINI CARD CONNECTOR

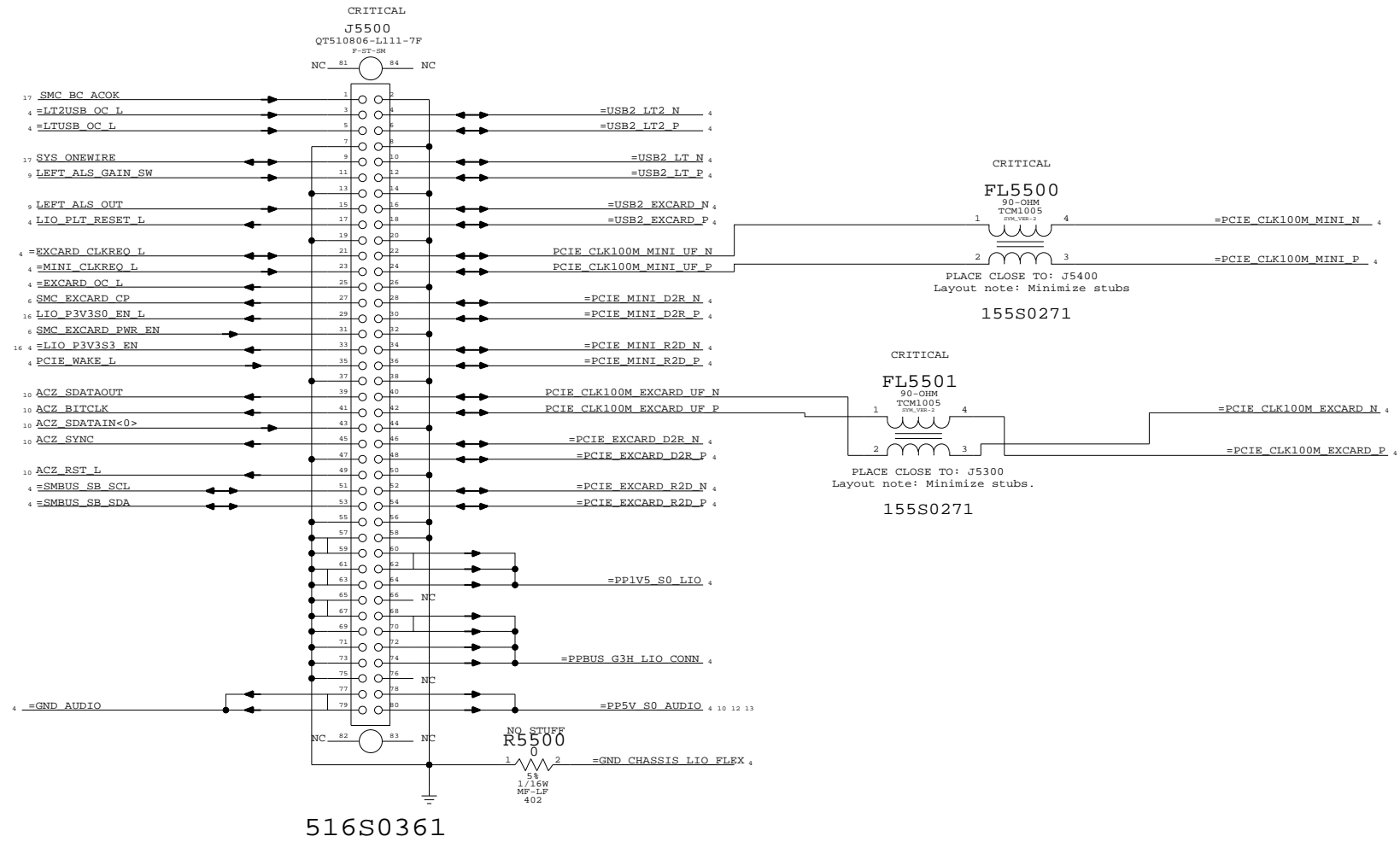
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PCI-E MiniCard Connector  
 SYNC\_MASTER=BUZZ SYNC\_DATE=02/23/2006  
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7066	04
SCALE	SHT		OF
NONE	54		104

# Left I/O Board Connector



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## MLB I/O Board Connector

SYNC\_MASTER=(MASTER) SYNC\_DATE=(MASTER)

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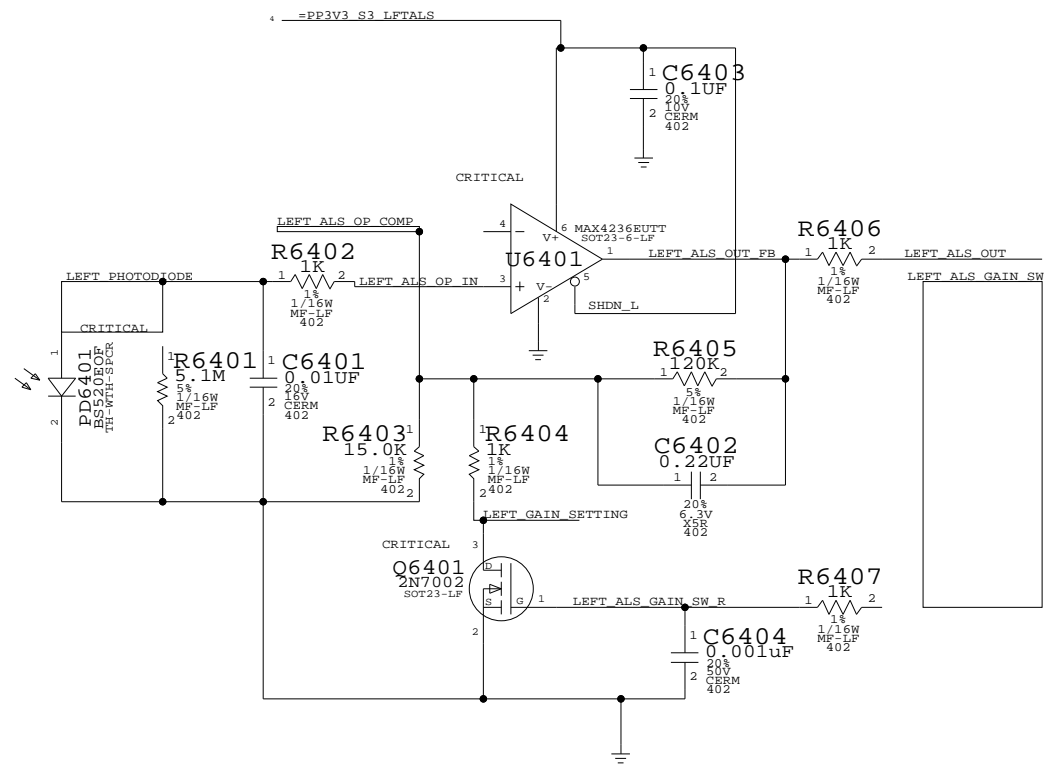
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SCALE	NONE	SHT	55 OF 104

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**Left ALS**

SYNC\_MASTER=(MASTER)      SYNC\_DATE=(MASTER)

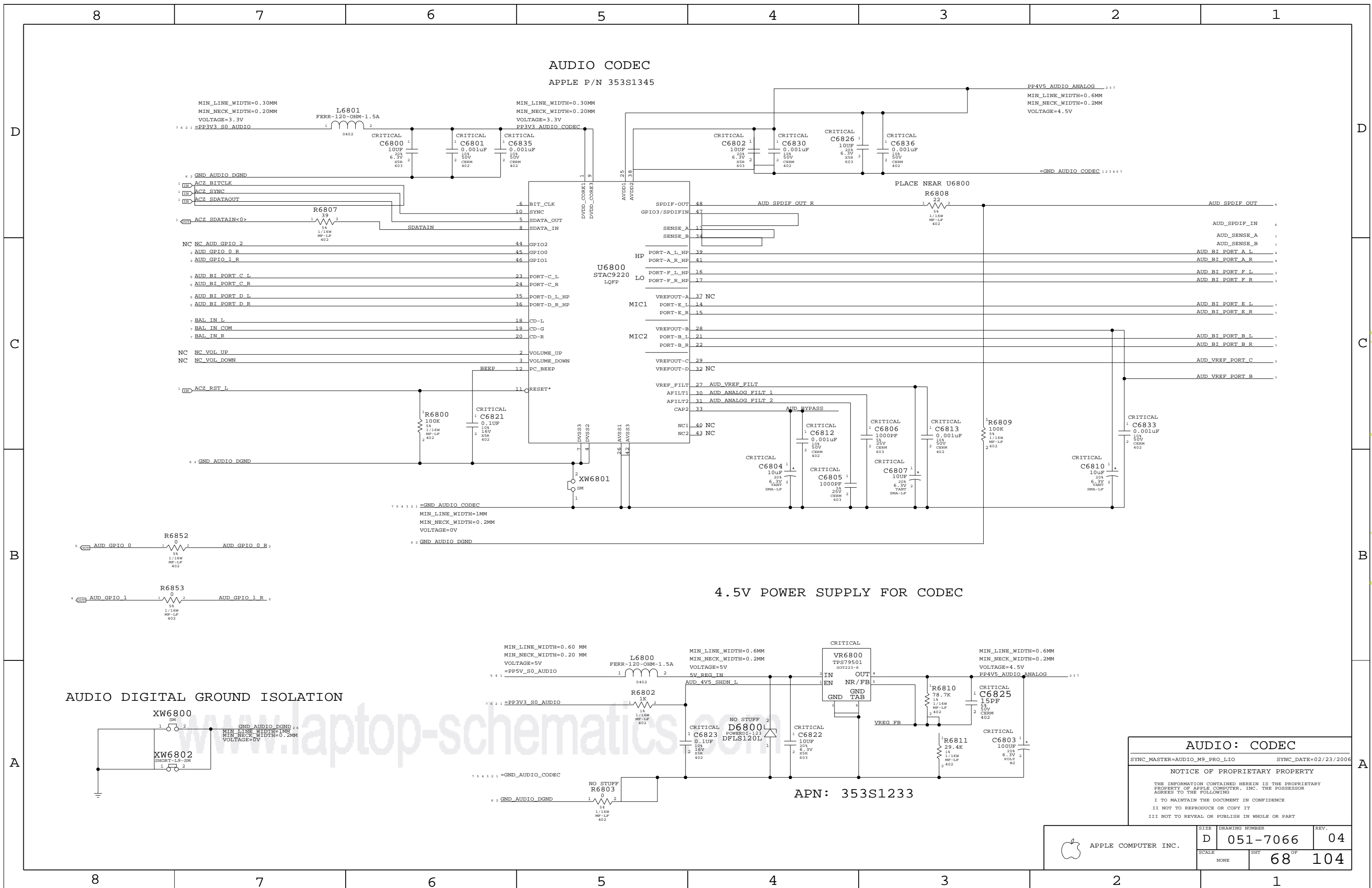
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	D	051-7066	04
SCALE	SHT		
NONE	64	104	

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**AUDIO CODEC**  
APPLE P/N 353S1345

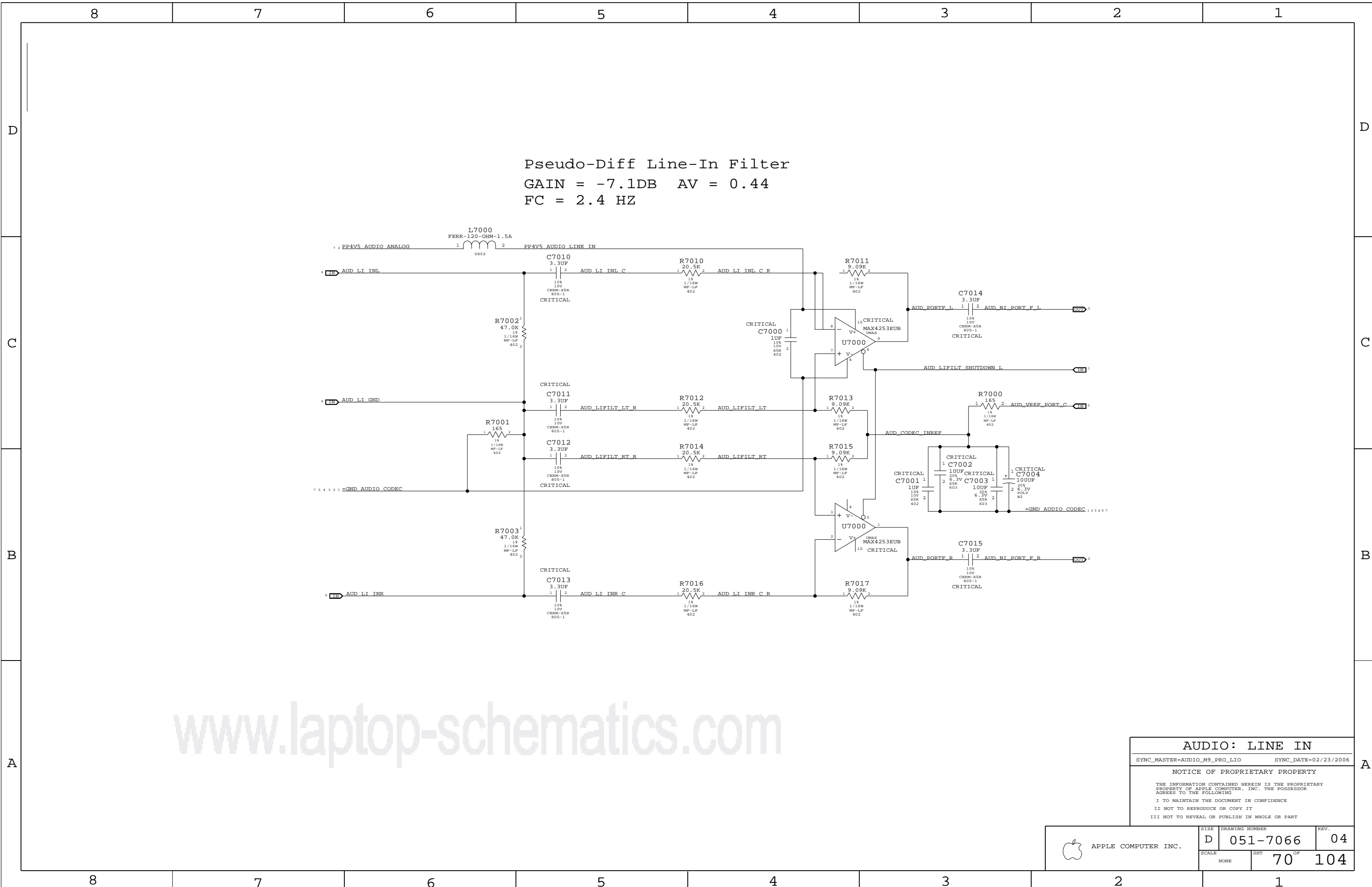
**4.5V POWER SUPPLY FOR CODEC**

**AUDIO DIGITAL GROUND ISOLATION**

AUDIO: CODEC		
SYNC_MASTER=AUDIO_M9_PRO_LIO	SYNC_DATE=02/23/2006	
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7066	04
SCALE	NONE	SHT	68 OF 104

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Pseudo-Diff Line-In Filter  
 GAIN = -7.1DB AV = 0.44  
 FC = 2.4 HZ

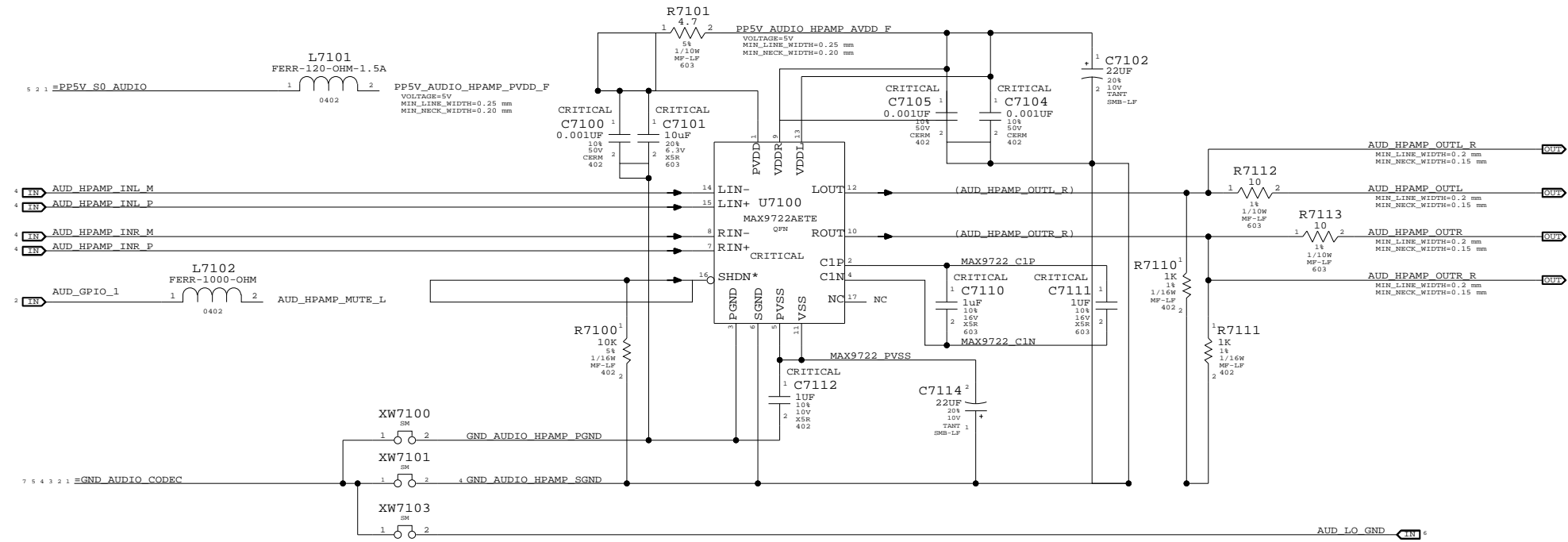
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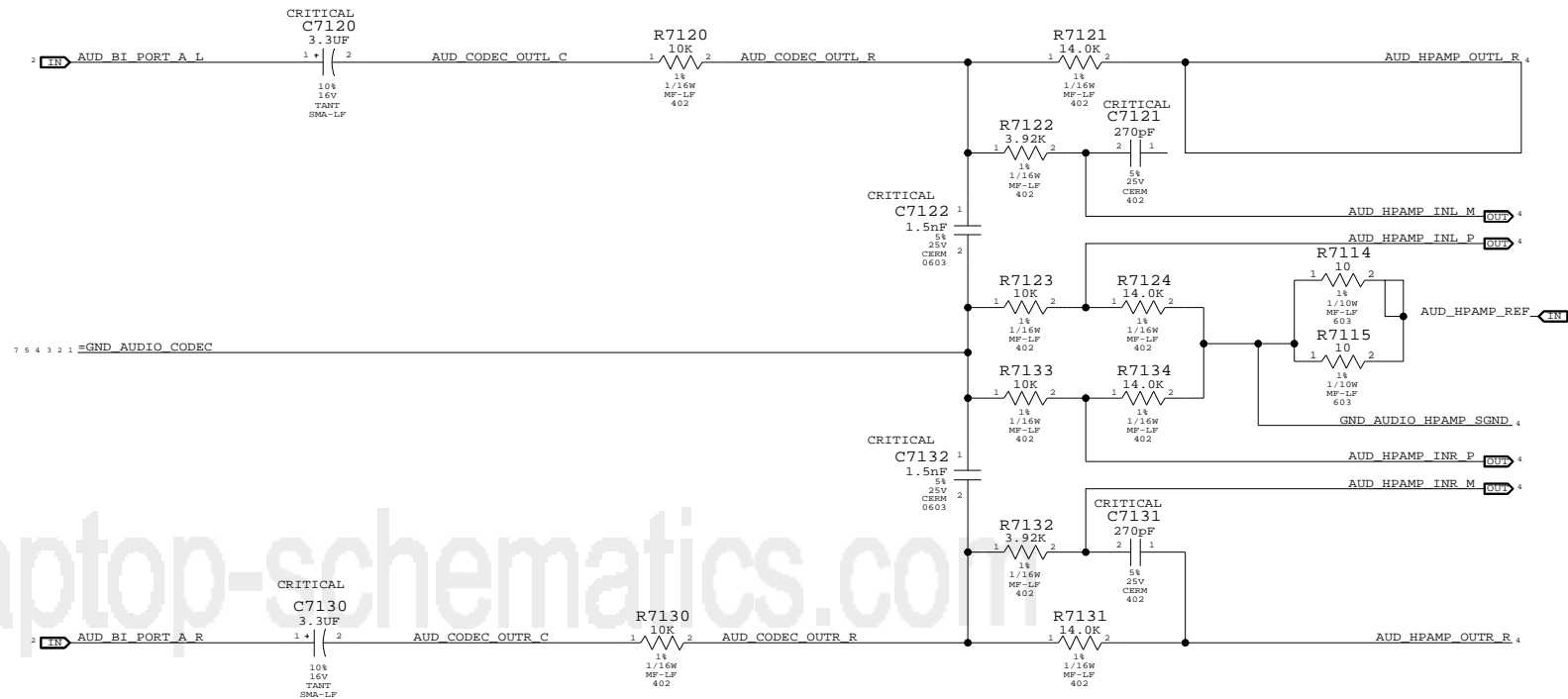
**AUDIO: LINE IN**  
 SYNC\_MASTER=AUDIO\_M9\_PRO\_LIO SYNC\_DATE=02/23/2006  
 NOTICE OF PROPRIETARY PROPERTY  
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7066	04
SCALE	NONE	SHT	70 OF 104

Headphone Amplifier (MAX9722)  
 APN:353S0959  
 VOLTAGE GAIN:1.4



2nd Order DAC Filter  
 HP:4.8 HZ



AUDIO: HEADPHONE AMP

SYNC\_MASTER=AUDIO\_M9\_PRO\_LIO SYNC\_DATE=02/23/2006

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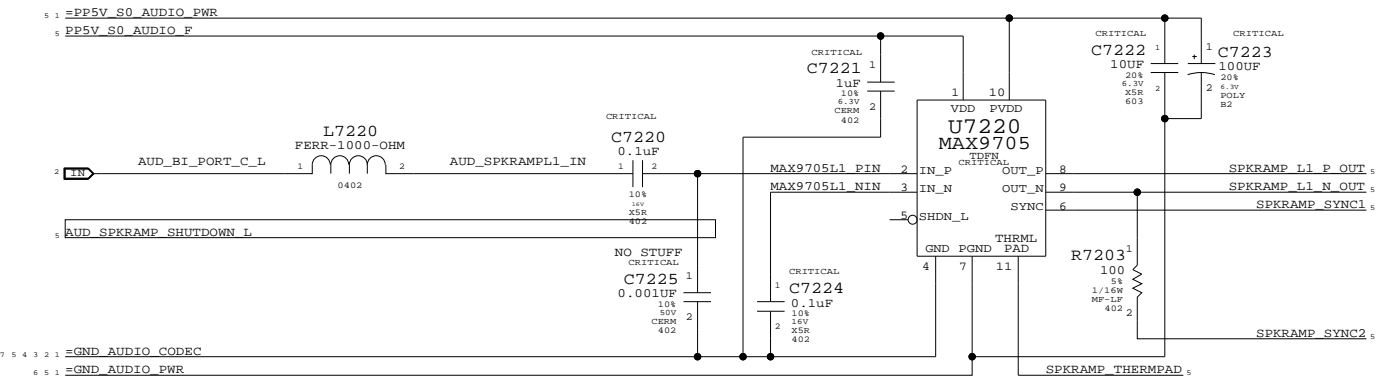
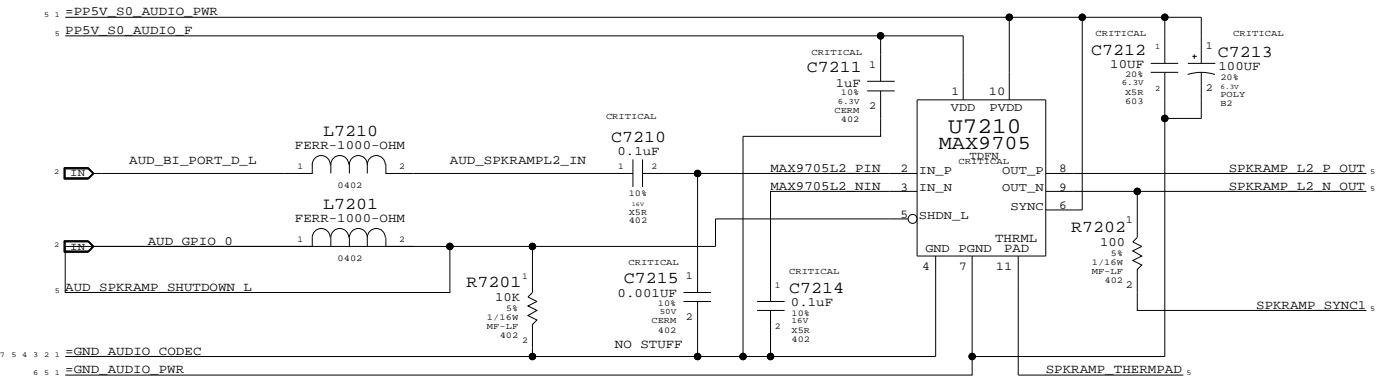
APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7066	04
SCALE	NONE	SHT	71 OF 104

SPEAKER AMPLIFIERS (MAX9705) APN: 353S1355 TURN ON TIME: 30MS  
Gain = 6dB 80 < FC < 132Hz TURN ON DELAY: 60MS

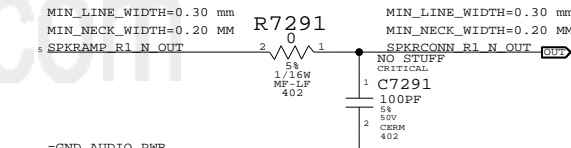
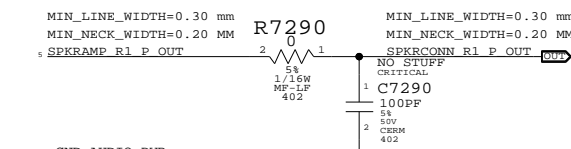
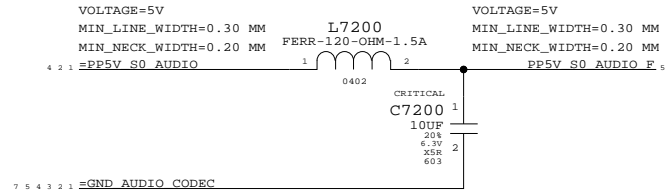
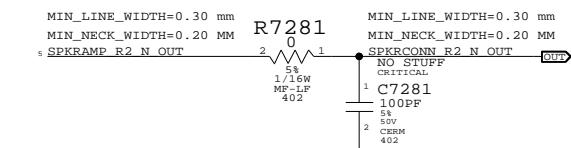
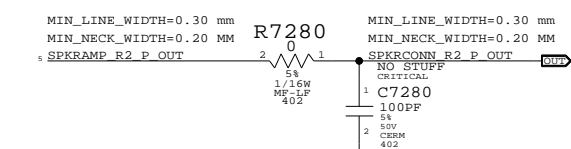
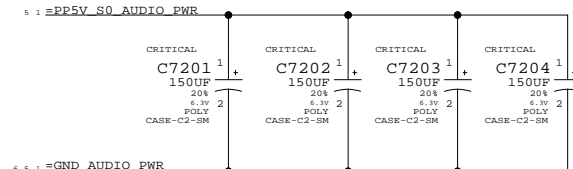
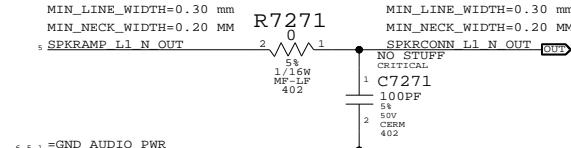
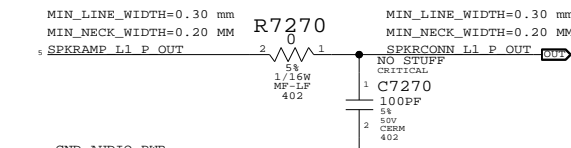
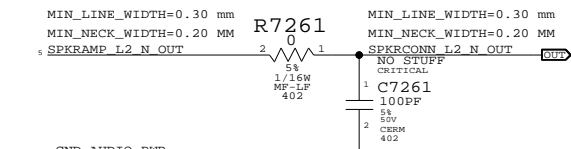
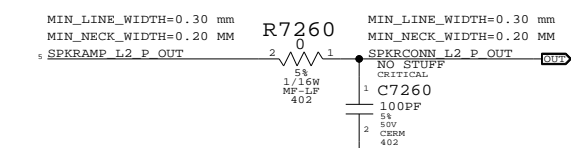
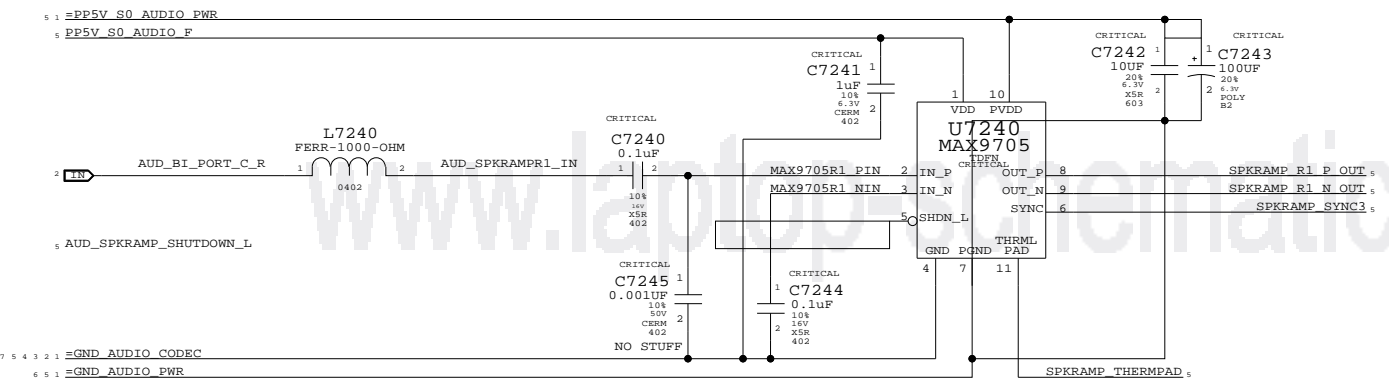
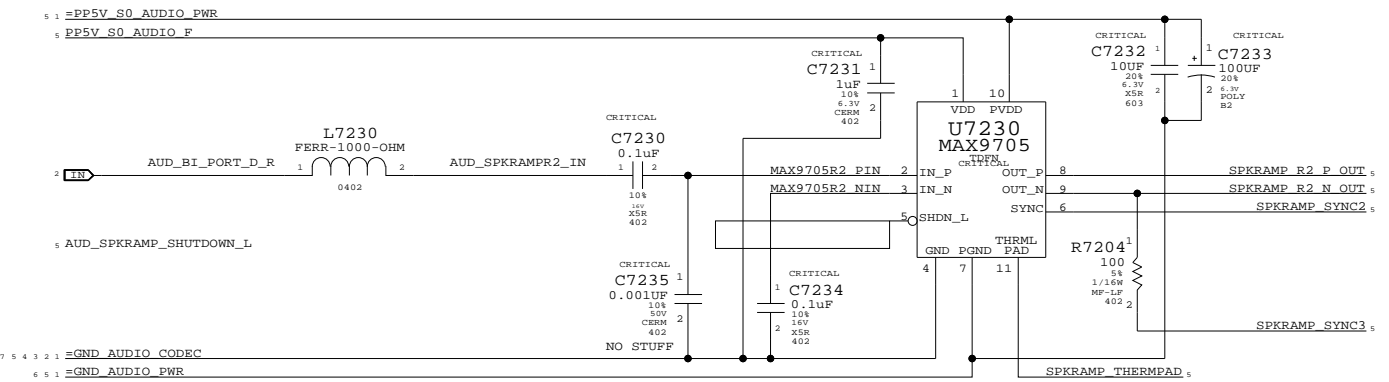
EMI FILTERS FOR AMPLIFIER OUTPUTS

POWER AMPLIFIER SUPPLY BULK CAPS

ANALOG POWER RAIL



XW7200

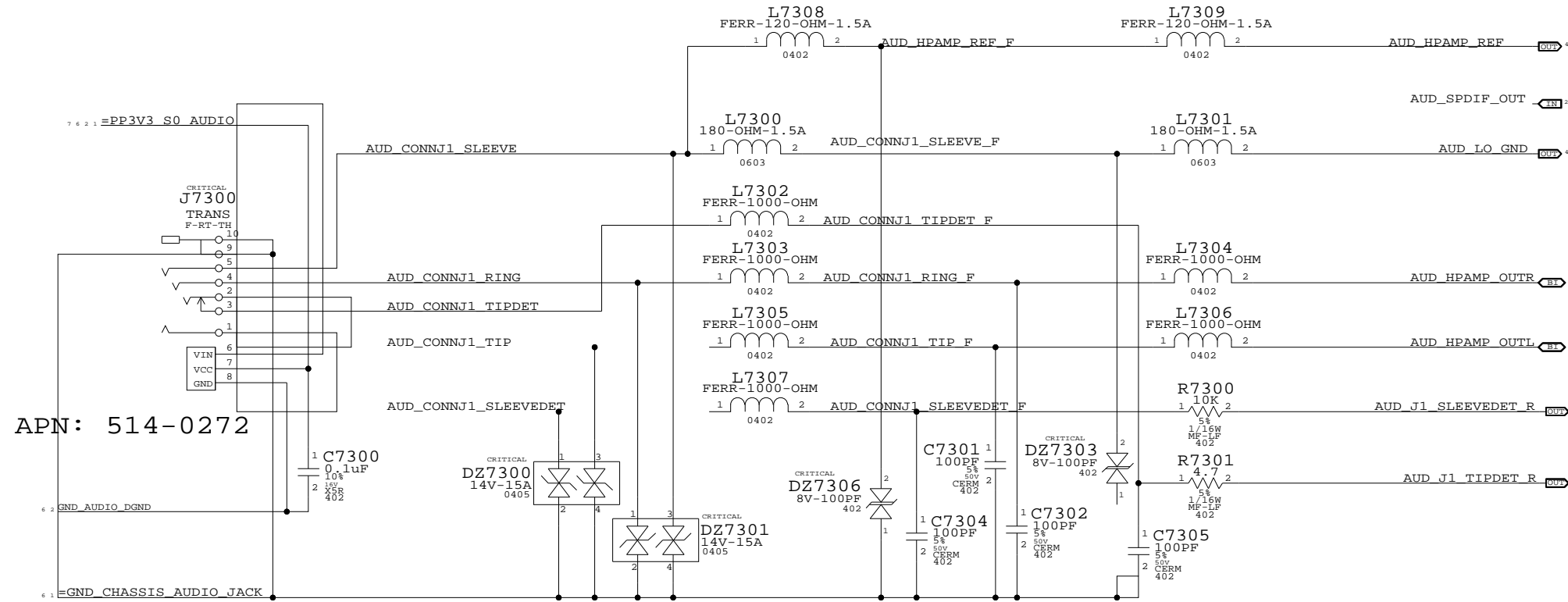


**AUDIO: SPEAKER AMP**  
 SYNC\_MASTER=AUDIO\_M9\_PRO\_LIO SYNC\_DATE=02/23/2006  
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	D	051-7066	04
SCALE	SHT	OF	
NONE	72	104	

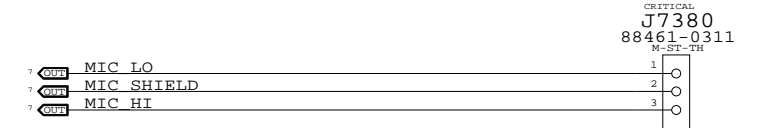
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AUDIO JACK 1 LO/HP CONNECTOR, SPDIF TX

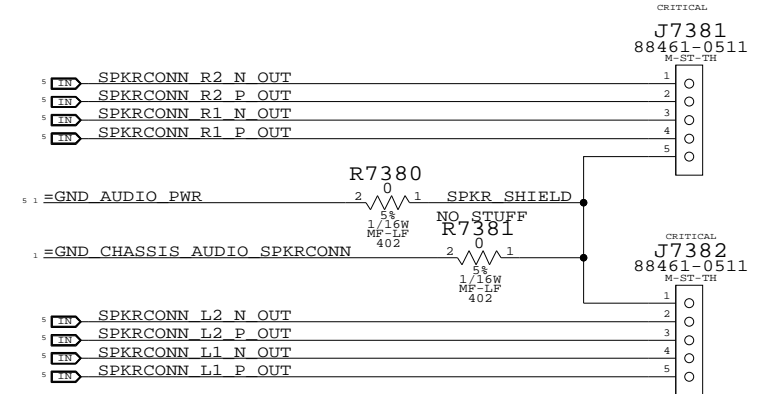


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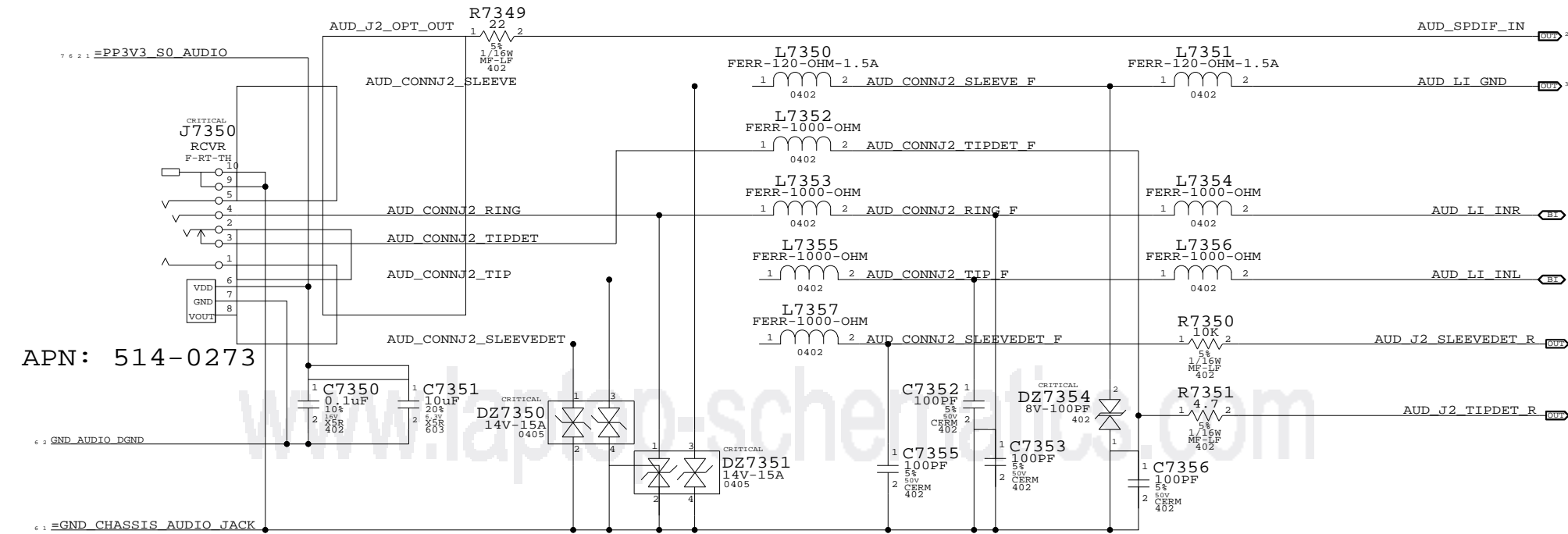
MIC CONNECTOR  
APN: 518-0230



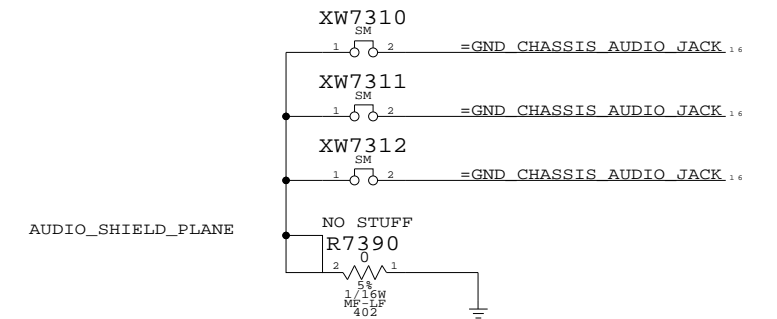
SPEAKER CONNECTORS  
APN: 518-0229



AUDIO JACK 2 LINE IN CONNECTOR, SPDIF RX



APN: 514-0273



AUDIO SHIELD  
(FILLED SHAPE)

AUDIO: JACKS

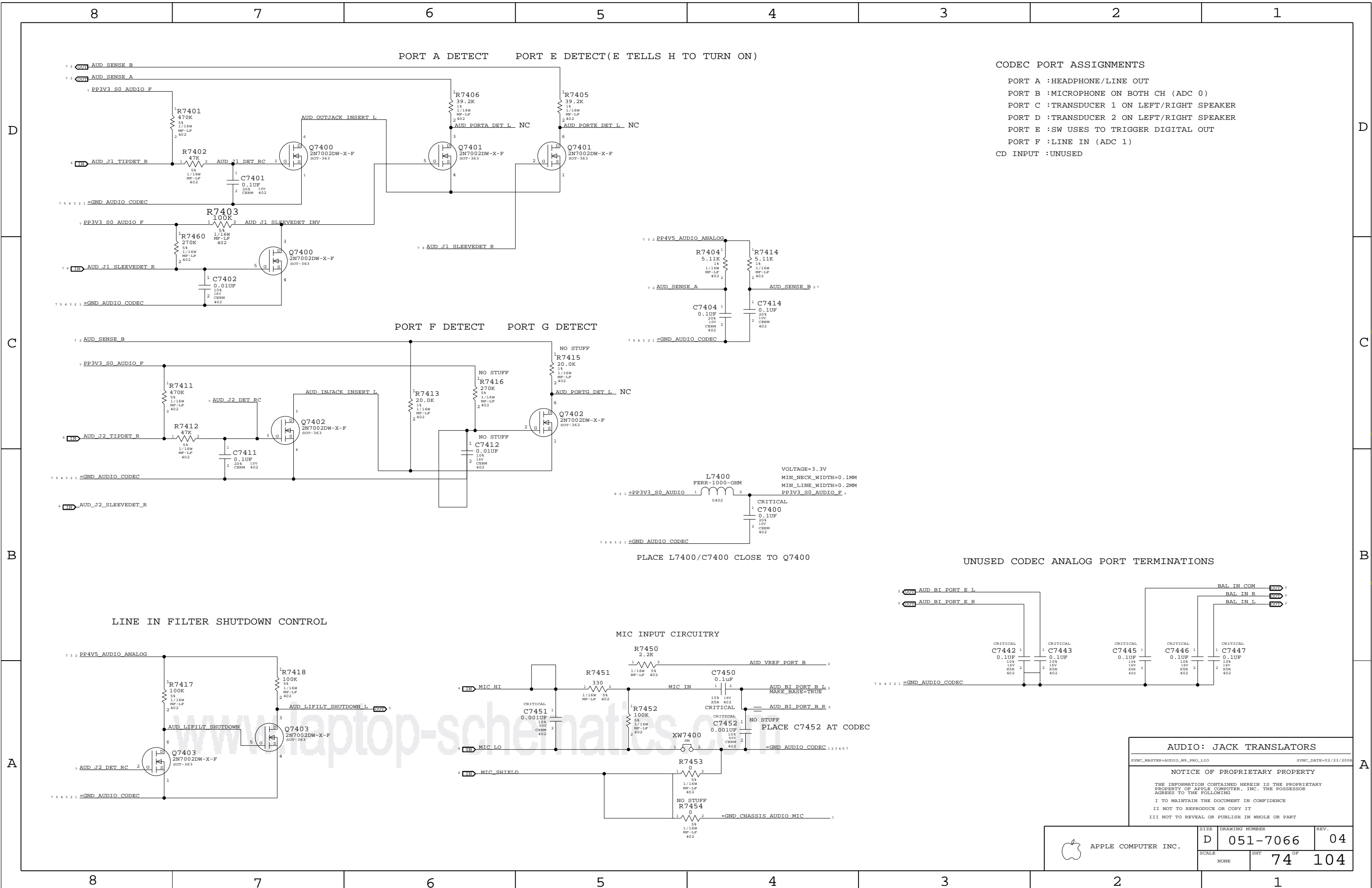
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APPLE COMPUTER INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7066	04
SCALE	NONE	SHT	73 OF 104

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CODEC PORT ASSIGNMENTS  
 PORT A : HEADPHONE/LINE OUT  
 PORT B : MICROPHONE ON BOTH CH (ADC 0)  
 PORT C : TRANSDUCER 1 ON LEFT/RIGHT SPEAKER  
 PORT D : TRANSDUCER 2 ON LEFT/RIGHT SPEAKER  
 PORT E : SW USES TO TRIGGER DIGITAL OUT  
 PORT F : LINE IN (ADC 1)  
 CD INPUT : UNUSED

UNUSED CODEC ANALOG PORT TERMINATIONS

PLACE L7400/C7400 CLOSE TO Q7400

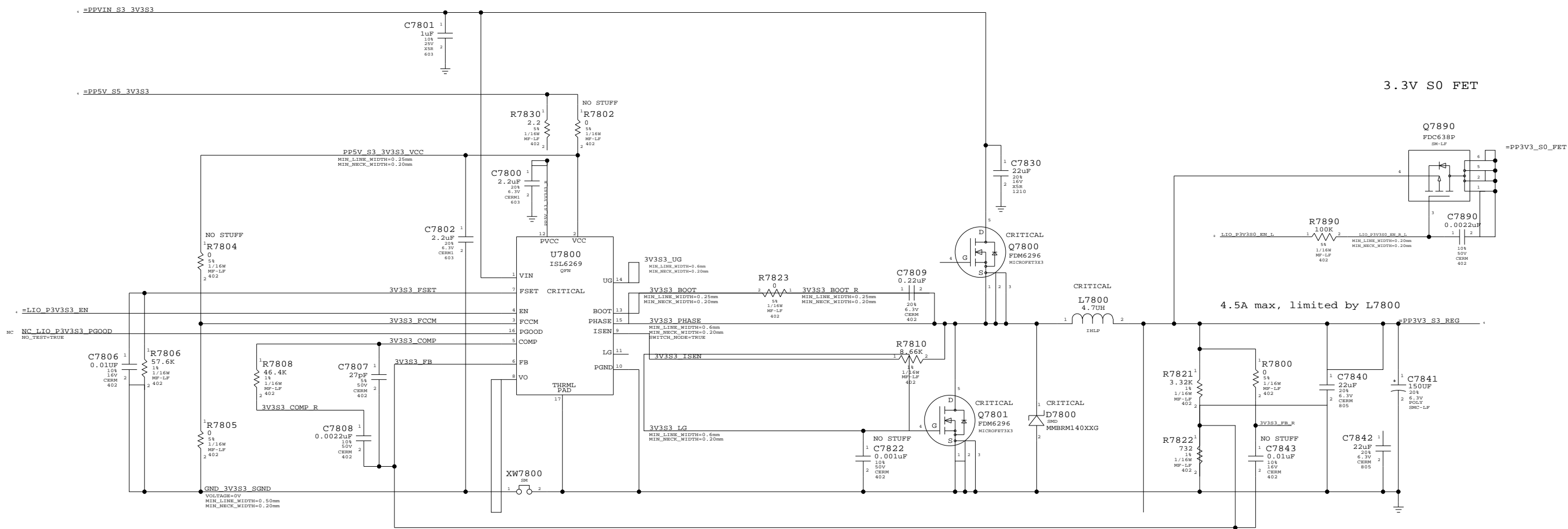
**AUDIO: JACK TRANSLATORS**  
 SYNC\_MASTER=AUDIO\_M9\_PRO\_L10 SYNC\_DATE=02/23/2006  
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SCALE	NONE	SHT	74 OF 104

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### 3.3V S3/S0 Power Supply



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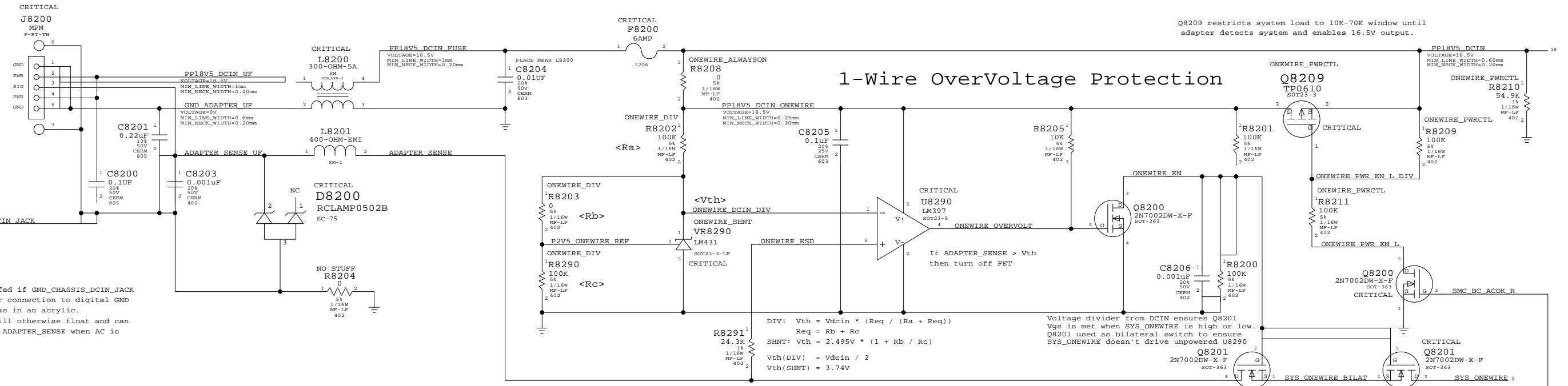
3.3V Supply  
 SYNC\_MASTER=BUZZ SYNC\_DATE=02/23/2006  
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NONE	78	104	

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# DC Power Jack



R8204 should be stuffed if GND\_CHASSIS\_DCIN\_JACK does not have another connection to digital GND in the system, such as in an acrylic. The chassis ground will otherwise float and can send transients onto ADAPTER\_SENSE when AC is connected.

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
116S0085	1	RES,6.2K,5%,1/16W,0402,LF	R8202		ONEWIRE_SHNT
114S0315	1	RES,10K,1%,1/16W,0402,LF	R8203		ONEWIRE_SHNT
114S0343	1	RES,20K,1%,1/16W,0402,LF	R8290		ONEWIRE_SHNT

ONEWIRE\_SHNT BOM option allows the use of an adjustable shunt voltage regulator to provide the reference to the LM397 comparator. This allows the protection circuit to enforce a -3.7V max signal on ADAPTER\_SENSE instead of the voltage divider DCIN/2 approach.  
R8202 value ensures mA current for DCIN >= 13.4V per LM431 spec.

$$DIV: V_{th} = V_{dcin} * (Req / (Ra + Req))$$

$$Req = Rb + Rc$$

$$SHNT: V_{th} = 2.495V * (1 + Rb / Rc)$$

$$V_{th}(DIV) = V_{dcin} / 2$$

$$V_{th}(SHNT) = 3.74V$$

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DC-In & Battery Connectors  
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SCALE	NONE	SHT	82 OF 104

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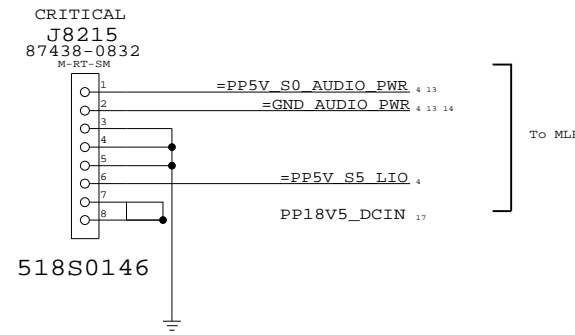
2

1

D

D

### Left I/O Power Connector



C

C

B

B

A

A

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#### LEFT I/O POWER CONNECTOR

SYNC MASTER=(MASTER) SYNC DATE=(MASTER)

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	D	051-7066	04
SCALE	SHT	84 OF 104	
NONE			

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4

3

2

1

CHANGE LIST

1/27/06  
 BEGINNING OF EVT TO EVT2 CHANGES ON ALT\_LIO\_EVT DIRECTORY  
 CHANGED PD6401 SYMBOL TO SPACER JEDEC PACK TYPE.  
 CHANGED REV TO 03.

2/1/06:  
 PG 82.  
 CHANGED R8291 TO 24.3K ON 1-WIRE CKT TO MATCH M1 CKT.  
 ADDED C8207 AND R8292 ON Q8200 PIN 2 TO ADD ESD PROTECTION ON GATE OF Q8200.

2/2/06:  
 PG. 64.  
 ADDED ALS SPACER 815-8851 IN BOM TABLE. GOES WITH PD6401.  
 PG. 78  
 ADDED 337S0448 AS ALTERNATE FOR 337S0445 ON Q7800 AND Q7801.

2/6/06:  
 PG. 78  
 CHANGED R7890 TO 100K FOR <RDAR://PROBLEM/4435222> MOSFET CR: QUAL LIO BOARD 3.3V @ 1.8V  
 PG 82.  
 CORRECTED R8292 VALUE TO 1K PER <RDAR://PROBLEM/4426307> M9 EVT SYMPHONY: FLOATING FET GATE ON LIO CONNECTOR SHOULD HAVE ESD PROTECTION.

2/7/06:  
 PG 3.  
 MOVE ALL BOM TABLES TO PG 3. CORRECTED APN OF FETS IN ALTERNATE BOM TABLE.

2/9/06:  
 PG. 78  
 CHANGED R7810 TO 8.66K TO MATCH M1.

2/10/06:  
 PG. 51  
 ADDED R5103, C5105 AND R5104, C5104 TO USB\_LEFT\_OC\_L AND USB\_LEFT2\_OC\_L TO MATCH M1.

2/23/06:  
 REMOVE LEMENU BOMOPTION FROM CODEC. REMOVE BOM NUMBERS TABLE ALONG WITH LE\_MENU & PROJ\_PARTS BOMS. FLAT BOM NOW.  
 ADDED CRITICAL ATTRIBUTES TO Q5101, Q6401, U6401, DZ7303, DZ7306, DZ7354, Q8200, Q8201, Q8209  
 SYNCED FROM M1\_LIO\_MOSFET REV A.0.0  
 ===CHANGED===  
 C7830 [ON PAGE(S) 78] CHANGED FROM CAP\_1210-22UF,20%,16V,X7R TO CAP\_1210-22UF,20%,16V,X5R  
 C7840 [ON PAGE(S) 78] CHANGED FROM CAP\_805-22UF,20%,6.3V,X5R TO CAP\_805-22UF,20%,6.3V,CERM  
 C7842 [ON PAGE(S) 78] CHANGED FROM CAP\_805-22UF,20%,6.3V,X5R TO CAP\_805-22UF,20%,6.3V,CERM



HISTORY- NON-AUDIO  
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NONE		100	104

CHANGE LIST

OCT 19 2005 : INITIAL RELEASE  
 OCT 26 2005 : CHANGE ALL SPEAKER OUTPUT INDUCTORS TO 0 OHM SHORTING RESISTORS  
 ADDED OPTIONAL SHORTING RESISTORS FROM AUDIO JACKS TO CHASSIS GROUND  
 OCT 27 2005 : MOVE ESD DIODE NEARER TO JACK, DAISY CHAIN SYNC PIN ON SPEAKER AMPLIFIER  
 FLIP SPEAKER CONNECTOR PIN ASSIGNMENT TO ACCOMODATE CABLE ROUTING  
 NOV 03 2005 : CHANGE SPEAKER CONNECTOR J7380/J7381 TO 518S0053  
 NOV 03 2005 : CHANGE SPEAKER CONNECTOR J7380/J7381 TO 518S0215(WHITE) AND 518S0316(BLACK)  
 NOV 04 2005 : CHANGE SPEAKER CONNECTOR J7380/J7381 TO 518S0053  
 NOV 07 2005 : ADDED PAGE 70, INPUT FILTER & 71, HEADPHONE AMPLIFIER  
 DEC 01 2005 : CHANGE PIN OUT OF MIC CONNECTOR  
 DEC 05 2005 : CHANGE MIC CONNECTOR TO APN 518-0152  
 DEC 06 2005 : CHANGE Q7403 CIRCUITRY, ADDED R7418, REMOVED R7407  
 CHANGE BOTH AUDIO 5V S0 RAIL TO S5  
 DEC 07 2005 : CHANGE APN OF C7301, C7302, C7303 & C7304 TO 128S0081 TO REDUCE HEIGHT  
 CHANGE PIN OUT OF MIC CONNECTOR TO MATCH SIREN PROTO  
 DEC 08 2005 : UPDATE SYMBOL FOR 128S0081 TO MATCH LATEST LIBRARY SYMBOL  
 CHANGE BOTH AUDIO 5V S5 RAIL TO S0  
 DEC 20 2005 : ADDED CRITICAL ATTRIBUTE TO CONNECTORS  
 CHANGE R7100 TO 10K  
 DEC 23 2005 : REPLACE R7114/R7115 WITH XW7103, REMOVE XW7102, CHANGE C7112 TO 0402 10V  
 CHANGE L7300/L7301 TO LOWER DCR 0603 FERRITE, CHANGE R7112/13 FROM 14 TO 10 OHMS  
 REMOVE STUFFING OPTION FOR ALC882 CODEC, C6850/51/52, R6850/51/53/54  
 REPLACE R6801 WITH XW6801, ISOLATED AUDIO DIGITAL GND THROUGH XW6800  
 JAN 02 2006 : ADD "NC " PREFIX TO AUD\_GPIO\_2, VOL\_UP, VOL\_DOWN NETS, CHANGE C7112 TO 138S0578  
 ADD ALTERNATE BOM TABLE FOR CONNECTORS J7380, J7381 AND J7382  
 JAN 05 2006 : ADD D6800 TO PROVIDE DISCHARGE PATH FOR BULK CAPS ON 4.5V POWER  
 CHANGE D6825 FROM 1UF TO 15PF TO PREVENT PREMATURE FAILURE OF VR6800  
 JAN 06 2006 : ADD NO STUFF BOMOPTION TO D6800  
 JAN 20 2006 : ADD R6809 AS A PULL DOWN ON SPDIF OUTPUT TO HOLD NET IN INACTIVE STATE BY DEFAULT  
 CHANGE CONNECTION FOR D6800  
 JAN 25 2006 : ADD L7000, REMOVE L6802/L6803  
 JAN 26 2006 : REMOVE R7320,R7321, R7323, ADD L7308,C7452,C7306,R7114,R7115  
 JAN 27 2006 : ADDED C7215,C7225,C7235,C7245 FOR HF IMMUNITY  
 JAN 30 2006 : CHANGED PINOUT OF MIC CONNECTOR TO MATCH MIC ASSEMBLY  
 JAN 31 2006 : ADDED XW6802 TO PROVIDE RETURN PATH FOR AZALIA BUS SIGNALS (EMI)  
 ADDED L7309 FOR HEADPHONE AMP REFERENCE TAP POINT  
 FEB 03 2006 : CHANGED C7306,C7303 & C7354 TO DZ7306,DZ7303 & DZ7354 TO SOLVE ESD ISSUE  
 ADDED C7001-C7004 TO REDUCE NOISE LEVEL ON LINE-IN BUFFER VREF  
 REMOVE R6809, C6832. REPLACED BY C7001-C7004  
 FEB 06 2006 : CHANGED XW6802 FROM LAYER 8 TO LAYER 9 SHORT DUE TO TECHNICAL LIMITATION ALLEGRO  
 FEB 07 2006 : "NO STUFF" C7452, C7215, C7225, C7235 & C7245  
 FEB 15 2006 : CHANGE VALUE OF C7120 & C7130 FROM 10UF TO 3.3UF TO REDUCE INTENSITY OF CLICK DURING UNMUTE.  
 THIS MOVES THE CORNER FREQUENCY FROM 1.6HZ TO 4.8HZ.

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HISTORY- AUDIO	
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	8	7	6	5	4	3	2	1																																																																																																																																
	<p>Title: Basenet Report Design: alt_lcio Date: Feb 10 15:48:12 2006</p> <p>Base nets and synonyms for alt_lcio.lib.ALT_LIO(alt_lcio.lib.alt_lcio(sch_1))</p> <table border="1"><thead><tr><th>Base Signal</th><th>Synonyms</th><th>Location((Zone) dir)</th></tr></thead><tbody><tr><td>3V3S3_BOOT</td><td>3V3S3_BOOT - @alt_lcio.lib.ALT_LIO</td><td>16C5</td></tr><tr><td>3V3S3_BOOT_R</td><td>3V3S3_BOOT_R - @alt_lcio.lib.ALT_LIO</td><td>16C5</td></tr><tr><td>3V3S3_COMP</td><td>3V3S3_COMP - @alt_lcio.lib.ALT_LIO</td><td>16B6</td></tr><tr><td>3V3S3_COMP_R</td><td>3V3S3_COMP_R - @alt_lcio.lib.ALT_LIO</td><td>16A7</td></tr><tr><td>3V3S3_FB</td><td>3V3S3_FB - @alt_lcio.lib.ALT_LIO</td><td>16B6</td></tr><tr><td>3V3S3_FB_R</td><td>3V3S3_FB_R - @alt_lcio.lib.ALT_LIO</td><td>16B2</td></tr><tr><td>3V3S3_FCCM</td><td>3V3S3_FCCM - @alt_lcio.lib.ALT_LIO</td><td>16B6</td></tr><tr><td>3V3S3_FSET</td><td>3V3S3_FSET - @alt_lcio.lib.ALT_LIO</td><td>16C6</td></tr><tr><td>3V3S3_ISEN</td><td>3V3S3_ISEN - @alt_lcio.lib.ALT_LIO</td><td>16B5</td></tr><tr><td>3V3S3_LG</td><td>3V3S3_LG - @alt_lcio.lib.ALT_LIO</td><td>16B5</td></tr><tr><td>3V3S3_PHASE</td><td>3V3S3_PHASE - @alt_lcio.lib.ALT_LIO</td><td>16B4</td></tr><tr><td>3V3S3_UG</td><td>3V3S3_UG - @alt_lcio.lib.ALT_LIO</td><td>16C5</td></tr><tr><td>5V_REG_IN</td><td>5V_REG_IN - @alt_lcio.lib.ALT_LIO</td><td>10A4</td></tr><tr><td>=EXCARD_CLKREQ_L</td><td>=EXCARD_CLKREQ_L - @alt_lcio.lib.ALT_LIO</td><td>4C5 8C6</td></tr><tr><td>=EXCARD_OC_L</td><td>=EXCARD_OC_L - @alt_lcio.lib.ALT_LIO</td><td>4C4 8B2</td></tr><tr><td>=GND_AUDIO</td><td>=GND_AUDIO - @alt_lcio.lib.ALT_LIO</td><td>4C4 8B2</td></tr><tr><td>=GND_AUDIO_CODEC</td><td>=GND_AUDIO_CODEC - @alt_lcio.lib.ALT_LIO</td><td>4C4 8B2</td></tr><tr><td>=GND_AUDIO_PWR</td><td>=GND_AUDIO_PWR - @alt_lcio.lib.ALT_LIO</td><td>4C4 8B2</td></tr><tr><td>=GND_CHASSIS_AUDIO_JACK</td><td>=GND_CHASSIS_AUDIO_JACK - @alt_lcio.lib.ALT_LIO</td><td>4A7 10A6 10B6 10D2 11B2</td></tr><tr><td>=GND_CHASSIS_AUDIO_MIC</td><td>=GND_CHASSIS_AUDIO_MIC - @alt_lcio.lib.ALT_LIO</td><td>11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8</td></tr><tr><td>=GND_CHASSIS_AUDIO_SPKRCONN</td><td>=GND_CHASSIS_AUDIO_SPKRCONN - @alt_lcio.lib.ALT_LIO</td><td>4A7 10A6 10B6 10D2 11B2</td></tr><tr><td>=GND_CHASSIS_DCIN_JACK</td><td>=GND_CHASSIS_DCIN_JACK - @alt_lcio.lib.ALT_LIO</td><td>4A7 10A6 10B6 10D2 11B2</td></tr><tr><td>=GND_CHASSIS_DCIN_USB</td><td>=GND_CHASSIS_DCIN_USB - @alt_lcio.lib.ALT_LIO</td><td>11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8</td></tr><tr><td>=GND_CHASSIS_GND1</td><td>=GND_CHASSIS_GND1 - @alt_lcio.lib.ALT_LIO</td><td>4A8</td></tr><tr><td>=GND_CHASSIS_LTUSB</td><td>=GND_CHASSIS_LTUSB - @alt_lcio.lib.ALT_LIO</td><td>4A7 5A2 5C2</td></tr><tr><td>=GND_CHASSIS_LTIOS</td><td>=GND_CHASSIS_LTIOS - @alt_lcio.lib.ALT_LIO</td><td>4A8</td></tr><tr><td>=GND_CHASSIS_LTIOS_FLEX</td><td>=GND_CHASSIS_LTIOS_FLEX - @alt_lcio.lib.ALT_LIO</td><td>4A7 5A2 5C2</td></tr><tr><td>=GND_CHASSIS_PCIE_EXCARD</td><td>=GND_CHASSIS_PCIE_EXCARD - @alt_lcio.lib.ALT_LIO</td><td>4A7 5A2 5C2</td></tr><tr><td>=LIO_P3V3S3_EN</td><td>=LIO_P3V3S3_EN - @alt_lcio.lib.ALT_LIO</td><td>4C4 8C6 16B8</td></tr><tr><td>=LTIUSB_OC_L</td><td>=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO</td><td>4C2 5C8</td></tr><tr><td>=LTIUSB_OC_L</td><td>=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO</td><td>4A3 8C6</td></tr><tr><td>=MINI_CLKREQ_L</td><td>=MINI_CLKREQ_L - @alt_lcio.lib.ALT_LIO</td><td>4B5 8C6</td></tr><tr><td>=PCIE_CLK100M_EXCARD_N</td><td>=PCIE_CLK100M_EXCARD_N - @alt_lcio.lib.ALT_LIO</td><td>4D5 8B1</td></tr><tr><td>=PCIE_CLK100M_EXCARD_P</td><td>=PCIE_CLK100M_EXCARD_P - @alt_lcio.lib.ALT_LIO</td><td>4D2 6C3</td></tr><tr><td>=PCIE_CLK100M_MINI_N</td><td>=PCIE_CLK100M_MINI_N - @alt_lcio.lib.ALT_LIO</td><td>4D5 8C1</td></tr><tr><td>=PCIE_CLK100M_MINI_P</td><td>=PCIE_CLK100M_MINI_P - @alt_lcio.lib.ALT_LIO</td><td>4B2 7C6</td></tr><tr><td>=PCIE_EXCARD_D2R_N</td><td>=PCIE_EXCARD_D2R_N - @alt_lcio.lib.ALT_LIO</td><td>4D5 8B3</td></tr><tr><td>=PCIE_EXCARD_D2R_P</td><td>=PCIE_EXCARD_D2R_P - @alt_lcio.lib.ALT_LIO</td><td>4D5 8B3</td></tr><tr><td>=PCIE_EXCARD_R2D_N</td><td>=PCIE_EXCARD_R2D_N - @alt_lcio.lib.ALT_LIO</td><td>4D5 8B3</td></tr><tr><td>=PCIE_EXCARD_R2D_P</td><td>=PCIE_EXCARD_R2D_P - @alt_lcio.lib.ALT_LIO</td><td>4D5 8B3</td></tr><tr><td>=PCIE_MINI_D2R_N</td><td>=PCIE_MINI_D2R_N - @alt_lcio.lib.ALT_LIO</td><td>4B5 8C3</td></tr><tr><td>=PCIE_MINI_D2R_P</td><td>=PCIE_MINI_D2R_P - @alt_lcio.lib.ALT_LIO</td><td>4B5 8C3</td></tr></tbody></table>	Base Signal	Synonyms	Location((Zone) dir)	3V3S3_BOOT	3V3S3_BOOT - @alt_lcio.lib.ALT_LIO	16C5	3V3S3_BOOT_R	3V3S3_BOOT_R - @alt_lcio.lib.ALT_LIO	16C5	3V3S3_COMP	3V3S3_COMP - @alt_lcio.lib.ALT_LIO	16B6	3V3S3_COMP_R	3V3S3_COMP_R - @alt_lcio.lib.ALT_LIO	16A7	3V3S3_FB	3V3S3_FB - @alt_lcio.lib.ALT_LIO	16B6	3V3S3_FB_R	3V3S3_FB_R - @alt_lcio.lib.ALT_LIO	16B2	3V3S3_FCCM	3V3S3_FCCM - @alt_lcio.lib.ALT_LIO	16B6	3V3S3_FSET	3V3S3_FSET - @alt_lcio.lib.ALT_LIO	16C6	3V3S3_ISEN	3V3S3_ISEN - @alt_lcio.lib.ALT_LIO	16B5	3V3S3_LG	3V3S3_LG - @alt_lcio.lib.ALT_LIO	16B5	3V3S3_PHASE	3V3S3_PHASE - @alt_lcio.lib.ALT_LIO	16B4	3V3S3_UG	3V3S3_UG - @alt_lcio.lib.ALT_LIO	16C5	5V_REG_IN	5V_REG_IN - @alt_lcio.lib.ALT_LIO	10A4	=EXCARD_CLKREQ_L	=EXCARD_CLKREQ_L - @alt_lcio.lib.ALT_LIO	4C5 8C6	=EXCARD_OC_L	=EXCARD_OC_L - @alt_lcio.lib.ALT_LIO	4C4 8B2	=GND_AUDIO	=GND_AUDIO - @alt_lcio.lib.ALT_LIO	4C4 8B2	=GND_AUDIO_CODEC	=GND_AUDIO_CODEC - @alt_lcio.lib.ALT_LIO	4C4 8B2	=GND_AUDIO_PWR	=GND_AUDIO_PWR - @alt_lcio.lib.ALT_LIO	4C4 8B2	=GND_CHASSIS_AUDIO_JACK	=GND_CHASSIS_AUDIO_JACK - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2	=GND_CHASSIS_AUDIO_MIC	=GND_CHASSIS_AUDIO_MIC - @alt_lcio.lib.ALT_LIO	11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8	=GND_CHASSIS_AUDIO_SPKRCONN	=GND_CHASSIS_AUDIO_SPKRCONN - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2	=GND_CHASSIS_DCIN_JACK	=GND_CHASSIS_DCIN_JACK - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2	=GND_CHASSIS_DCIN_USB	=GND_CHASSIS_DCIN_USB - @alt_lcio.lib.ALT_LIO	11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8	=GND_CHASSIS_GND1	=GND_CHASSIS_GND1 - @alt_lcio.lib.ALT_LIO	4A8	=GND_CHASSIS_LTUSB	=GND_CHASSIS_LTUSB - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2	=GND_CHASSIS_LTIOS	=GND_CHASSIS_LTIOS - @alt_lcio.lib.ALT_LIO	4A8	=GND_CHASSIS_LTIOS_FLEX	=GND_CHASSIS_LTIOS_FLEX - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2	=GND_CHASSIS_PCIE_EXCARD	=GND_CHASSIS_PCIE_EXCARD - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2	=LIO_P3V3S3_EN	=LIO_P3V3S3_EN - @alt_lcio.lib.ALT_LIO	4C4 8C6 16B8	=LTIUSB_OC_L	=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO	4C2 5C8	=LTIUSB_OC_L	=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO	4A3 8C6	=MINI_CLKREQ_L	=MINI_CLKREQ_L - @alt_lcio.lib.ALT_LIO	4B5 8C6	=PCIE_CLK100M_EXCARD_N	=PCIE_CLK100M_EXCARD_N - @alt_lcio.lib.ALT_LIO	4D5 8B1	=PCIE_CLK100M_EXCARD_P	=PCIE_CLK100M_EXCARD_P - @alt_lcio.lib.ALT_LIO	4D2 6C3	=PCIE_CLK100M_MINI_N	=PCIE_CLK100M_MINI_N - @alt_lcio.lib.ALT_LIO	4D5 8C1	=PCIE_CLK100M_MINI_P	=PCIE_CLK100M_MINI_P - @alt_lcio.lib.ALT_LIO	4B2 7C6	=PCIE_EXCARD_D2R_N	=PCIE_EXCARD_D2R_N - @alt_lcio.lib.ALT_LIO	4D5 8B3	=PCIE_EXCARD_D2R_P	=PCIE_EXCARD_D2R_P - @alt_lcio.lib.ALT_LIO	4D5 8B3	=PCIE_EXCARD_R2D_N	=PCIE_EXCARD_R2D_N - @alt_lcio.lib.ALT_LIO	4D5 8B3	=PCIE_EXCARD_R2D_P	=PCIE_EXCARD_R2D_P - @alt_lcio.lib.ALT_LIO	4D5 8B3	=PCIE_MINI_D2R_N	=PCIE_MINI_D2R_N - @alt_lcio.lib.ALT_LIO	4B5 8C3	=PCIE_MINI_D2R_P	=PCIE_MINI_D2R_P - @alt_lcio.lib.ALT_LIO	4B5 8C3	<p>=PCIE_MINI_R2D_N</p> <p>=PCIE_MINI_R2D_P</p> <p>=PP1V5_S0_EXCARD</p> <p>=PP3V3_S0_AUDIO</p> <p>=PP3V3_S3_EXCARD</p> <p>=PP5V_S0_AUDIO</p> <p>=PP5V_S5_3V3S3</p> <p>=PPBUS_G3H_LIO_CONN</p> <p>=SMBUS_EXCARD_SCL</p> <p>=SMBUS_EXCARD_SDA</p> <p>=SMBUS_MINI_SCL</p> <p>=SMBUS_MINI_SDA</p> <p>=USB2_EXCARD_N</p> <p>=USB2_EXCARD_P</p> <p>=USB2_LT2_N</p> <p>=USB2_LT2_P</p> <p>=USB2_LT_N</p> <p>=USB2_LT_P</p> <p>AC2_BITCLK</p> <p>AC2_RST_L</p> <p>AC2_SDATAIN&lt;0&gt;</p> <p>AC2_SDATAOUT</p> <p>AC2_SYNC</p> <p>ADAPTER_SENSE</p> <p>ADAPTER_SENSE_UF</p> <p>AUDIO_SHIELD_PLANE</p> <p>AUD_4V5_SHDN_L</p>	<p>4B2 7C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B5 8C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B2 7B6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C5 8C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C2 7B6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 6C7 6C8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C8 8B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 7C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 7C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C8 8B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 7C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 10A6 10D7 14B8 14D8</p> <p>15B5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B8 16C1</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 7D2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 7D2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B8 16C1</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 6B4 6C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 6A5 6B8 6C7 6C8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 9D6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C8 16B1</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 7C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C8 16B1</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4C7 7C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B8 8B3 10A6 12D7 13B2</p> <p>4B7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B8 13A8 13B8 13C2 13C8 13D8 18C4</p> <p>4B7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 16C8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B8 18C4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 5B8 5D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B7 5B8 5D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D8 8B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D6 16D8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D6 16D8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A2 6C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A4 8B6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A2 7B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A3 7B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D5 8C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D2 6C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D5 8C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4D2 6C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A3 8C3</p> <p>4A5 5C5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A3 8C3</p> <p>4A5 5C5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4A3 8C3</p> <p>4A5 5B5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>4B3 8C3</p> <p>4B5 5B5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>8B6 10D7</p> <p>8B6 10C7</p> <p>8B6 10C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>8C6 10D7</p> <p>8B6 10D7</p> <p>17B6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10A5</p> <p>@alt_lcio.lib.ALT_LIO</p>	<p>AUD_ANALOG_FILT_1</p> <p>AUD_ANALOG_FILT_2</p> <p>AUD_BI_PORT_A_L</p> <p>AUD_BI_PORT_A_R</p> <p>AUD_BI_PORT_B_L</p> <p>AUD_BI_PORT_B_R</p> <p>AUD_BI_PORT_C_L</p> <p>AUD_BI_PORT_C_R</p> <p>AUD_BI_PORT_D_L</p> <p>AUD_BI_PORT_D_R</p> <p>AUD_BI_PORT_E_L</p> <p>AUD_BI_PORT_E_R</p> <p>AUD_BI_PORT_F_L</p> <p>AUD_BI_PORT_F_R</p> <p>AUD_CODEC</p> <p>AUD_CODEX_INREF</p> <p>AUD_CODEX_OUTL_C</p> <p>AUD_CODEX_OUTL_R</p> <p>AUD_CODEX_OUTR_C</p> <p>AUD_CODEX_OUTR_R</p> <p>AUD_CONNJ1_RING</p> <p>AUD_CONNJ1_RING_F</p> <p>AUD_CONNJ1_SLEEVE</p> <p>AUD_CONNJ1_SLEEVEDET</p> <p>AUD_CONNJ1_SLEEVEDET_F</p> <p>AUD_CONNJ1_SLEEVEDET_F_F</p> <p>AUD_CONNJ1_SLEEVEDET_F_F</p> <p>AUD_CONNJ1_TIP</p> <p>AUD_CONNJ1_TIPDET</p> <p>AUD_CONNJ1_TIPDET_F</p> <p>AUD_CONNJ1_TIP_F</p> <p>AUD_CONNJ2_RING</p> <p>AUD_CONNJ2_RING_F</p> <p>AUD_CONNJ2_SLEEVE</p> <p>AUD_CONNJ2_SLEEVEDET</p> <p>AUD_CONNJ2_SLEEVEDET_F</p> <p>AUD_CONNJ2_SLEEVEDET_F_F</p> <p>AUD_CONNJ2_TIP</p> <p>AUD_CONNJ2_TIPDET</p> <p>AUD_CONNJ2_TIPDET_F</p> <p>AUD_CONNJ2_TIP_F</p> <p>AUD_GPIO_0</p> <p>AUD_GPIO_0_R</p> <p>AUD_GPIO_1</p> <p>AUD_GPIO_1_R</p> <p>AUD_HPAMP_INL_M</p> <p>AUD_HPAMP_INL_P</p> <p>AUD_HPAMP_INR_M</p> <p>AUD_HPAMP_INR_P</p> <p>AUD_HPAMP_MUTE_L</p> <p>AUD_HPAMP_MUTE_R</p> <p>AUD_HPAMP_OUTL</p> <p>AUD_HPAMP_OUTL_R</p> <p>AUD_HPAMP_OUTR</p> <p>AUD_HPAMP_OUTR_R</p> <p>AUD_HPAMP_REF</p> <p>AUD_HPAMP_REF_P</p> <p>AUD_INACK_INSERT_L</p> <p>AUD_J1_DET_RC</p> <p>AUD_J1_SLEEVEDET_INV</p> <p>AUD_J1_SLEEVEDET_R</p> <p>AUD_J1_TIPDET_R</p> <p>AUD_J2_DET_RC</p> <p>AUD_J2_DET_OUT</p> <p>AUD_J2_SLEEVEDET_R</p> <p>AUD_J2_TIPDET_R</p> <p>AUD_LIFILT_LT</p>	<p>10C4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 12B7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 12A7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 15A4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 15A4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C7 13C8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C7 13A8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C7 13D8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C7 13B8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 15B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 15B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 11C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C1 11B2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>10C4</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>11B3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12B6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12B5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12A6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12A5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14A5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14A5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14A5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>1088 13D8</p> <p>10B7 10C7</p> <p>10B8 12C7</p> <p>10B7 10C7</p> <p>12B3 12D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12B3 12D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12A3 12C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12A3 12C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12C6</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12D2 14C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12B3 12D2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12C2 14C3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12A3 12C2</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>12B3 14D3</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14D5</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>15C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>15D7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>15C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C3 15C6 15C8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14C3 15D8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>15A8 15C7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14B7</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14A3 15B8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>14A3 15B8</p> <p>@alt_lcio.lib.ALT_LIO</p> <p>11C4</p> <p>@alt_lcio.lib.ALT_LIO</p>	<p>AUD_LIFILT_LT_R</p> <p>AUD_LIFILT_RT</p> <p>AUD_LIFILT_RT_R</p> <p>AUD_LIFILT_SHUTDOWN</p> <p>AUD_LIFILT_SHUTDOWN_L</p> <p>AUD_LI_GND</p> <p>AUD_LI_INL</p> <p>AUD_LI_INL_C</p> <p>AUD_LI_INL_C_R</p> <p>AUD_LI_INR</p> <p>AUD_LI_INR_C</p> <p>AUD_LI_INR_C_R</p> <p>AUD_LO_GND</p> <p>AUD_OUTJACK_INSERT_L</p> <p>AUD_PORTA_DET_L</p> <p>AUD_PORTA_DET_R</p> <p>AUD_PORTF_DET_L</p> <p>AUD_PORTF_DET_R</p> <p>AUD_PORTF_R</p> <p>AUD_PORTG_DET_L</p> <p>AUD_PORTG_DET_R</p> <p>AUD_SENSE_A</p> <p>AUD_SENSE_B</p> <p>AUD_SPDIF_IN</p> <p>AUD_SPDIF_OUT</p> <p>AUD_SPDIF_OUT_R</p> <p>AUD_SPKRAMP1_IN</p> <p>AUD_SPKRAMP2_IN</p> <p>AUD_SPKRAMP1_IN</p> <p>AUD_SPKRAMP2_IN</p> <p>AUD_SPKRAMP_SHUTDOWN</p> <p>AUD_VREF_FILT</p> <p>AUD_VREF_PORT_B</p> <p>AUD_VREF_PORT_C</p> <p>BAL_IN_COM</p> <p>BAL_IN_L</p> <p>BAL_IN_R</p> <p>BEEP</p> <p>EXCARD_CLKREQ_CONN</p> <p>EXCARD_CLKREQ_CONN_L</p> <p>EXCARD_CPPE_L</p> <p>EXCARD_CPUSB_L</p> <p>EXCARD_OC_OUT_L</p> <p>EXCARD_PRESENT</p> <p>EXCARD_RCLKEN</p> <p>EXCARD_SHDN_L_R</p> <p>GND_3V3S3_SGND</p> <p>GND_ADAPTER_UF</p> <p>GND_AUDIO_DGND</p> <p>GND_AUDIO_HPAMP_PGND</p> <p>GND_AUDIO_HPAMP_SGND</p> <p>LEFT_ALS_GAIN_SW</p> <p>LEFT_ALS_GAIN_SW_R</p> <p>LEFT_ALS_OP_COMP</p> <p>LEFT_ALS_OP_IN</p> <p>LEFT_ALS_OUT</p> <p>LEFT_ALS_OUT_FB</p> <p>LEFT_GAIN_SETTING</p> <p>LEFT_PHOTO DIODE</p> <p>LIO_P3V3S0_EN_L</p> <p>LIO_P3V3S0_EN_R_L</p> <p>LIO_PLT_RESET_L</p> <p>MAX9705L1_NIN</p> <p>MAX9705L1_PIN</p> <p>MAX9705L2_NIN</p> <p>MAX9705L2_PIN</p> <p>MAX9705R1_NIN</p> <p>MAX9705R1_PIN</p> <p>MAX9705R2_NIN</p> <p>MAX9705R2_PIN</p> <p>MAX9722_C1N</p> <p>MAX9722_C1P</p>	<p>11C5</p> <p>11B4</p> <p>11B5</p> <p>15A8</p> <p>11C2 15A6</p> <p>11C7 14B3</p> <p>11C7 14A3</p> <p>11C5</p> <p>11C4</p> <p>11B7 14B3</p> <p>11B5</p> <p>11B4</p> <p>12C2 14D3</p> <p>15D7</p> <p>15D5</p> <p>15D5</p> <p>15D5</p> <p>11C3</p> <p>11B3</p> <p>15C5</p> <p>10C1 15C5 15D8</p> <p>10C1 15C4 15C8 15D8</p> <p>10C1 14B3</p> <p>10D1 14D3</p> <p>10D4</p> <p>13C7</p> <p>13D7</p> <p>13A7</p> <p>13B7</p> <p>13A8 13B8 13C8 13D8</p> <p>10C4</p> <p>10C1 15A4</p> <p>10C1 11C2</p> <p>10C7 15B1</p> <p>10C7 15B1</p> <p>10C7 15B1</p> <p>10C6</p> <p>6B3</p> <p>6A4 6C3</p> <p>6A8 6C3 6C3</p> <p>6A8 6C3 6C3</p> <p>6A6</p> <p>6A6</p> <p>6B3 6C5</p> <p>6C6</p> <p>16B7</p> <p>17D7</p> <p>10A6 10A7 10B6 10B7 10D7</p> <p>14A8 14C8</p> <p>12A3 12C5</p> <p>8C6 9C4</p> <p>9C5</p> <p>9C6</p> <p>9C5</p> <p>8C6 9C4</p> <p>9C5</p> <p>9C5</p> <p>9C6</p> <p>8C6 16C3</p> <p>16C2</p> <p>4C3 8C6</p> <p>13C6</p> <p>13C6</p> <p>13A6</p> <p>13B6</p> <p>12C4</p> <p>12C4</p>
Base Signal	Synonyms	Location((Zone) dir)																																																																																																																																						
3V3S3_BOOT	3V3S3_BOOT - @alt_lcio.lib.ALT_LIO	16C5																																																																																																																																						
3V3S3_BOOT_R	3V3S3_BOOT_R - @alt_lcio.lib.ALT_LIO	16C5																																																																																																																																						
3V3S3_COMP	3V3S3_COMP - @alt_lcio.lib.ALT_LIO	16B6																																																																																																																																						
3V3S3_COMP_R	3V3S3_COMP_R - @alt_lcio.lib.ALT_LIO	16A7																																																																																																																																						
3V3S3_FB	3V3S3_FB - @alt_lcio.lib.ALT_LIO	16B6																																																																																																																																						
3V3S3_FB_R	3V3S3_FB_R - @alt_lcio.lib.ALT_LIO	16B2																																																																																																																																						
3V3S3_FCCM	3V3S3_FCCM - @alt_lcio.lib.ALT_LIO	16B6																																																																																																																																						
3V3S3_FSET	3V3S3_FSET - @alt_lcio.lib.ALT_LIO	16C6																																																																																																																																						
3V3S3_ISEN	3V3S3_ISEN - @alt_lcio.lib.ALT_LIO	16B5																																																																																																																																						
3V3S3_LG	3V3S3_LG - @alt_lcio.lib.ALT_LIO	16B5																																																																																																																																						
3V3S3_PHASE	3V3S3_PHASE - @alt_lcio.lib.ALT_LIO	16B4																																																																																																																																						
3V3S3_UG	3V3S3_UG - @alt_lcio.lib.ALT_LIO	16C5																																																																																																																																						
5V_REG_IN	5V_REG_IN - @alt_lcio.lib.ALT_LIO	10A4																																																																																																																																						
=EXCARD_CLKREQ_L	=EXCARD_CLKREQ_L - @alt_lcio.lib.ALT_LIO	4C5 8C6																																																																																																																																						
=EXCARD_OC_L	=EXCARD_OC_L - @alt_lcio.lib.ALT_LIO	4C4 8B2																																																																																																																																						
=GND_AUDIO	=GND_AUDIO - @alt_lcio.lib.ALT_LIO	4C4 8B2																																																																																																																																						
=GND_AUDIO_CODEC	=GND_AUDIO_CODEC - @alt_lcio.lib.ALT_LIO	4C4 8B2																																																																																																																																						
=GND_AUDIO_PWR	=GND_AUDIO_PWR - @alt_lcio.lib.ALT_LIO	4C4 8B2																																																																																																																																						
=GND_CHASSIS_AUDIO_JACK	=GND_CHASSIS_AUDIO_JACK - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2																																																																																																																																						
=GND_CHASSIS_AUDIO_MIC	=GND_CHASSIS_AUDIO_MIC - @alt_lcio.lib.ALT_LIO	11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8																																																																																																																																						
=GND_CHASSIS_AUDIO_SPKRCONN	=GND_CHASSIS_AUDIO_SPKRCONN - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2																																																																																																																																						
=GND_CHASSIS_DCIN_JACK	=GND_CHASSIS_DCIN_JACK - @alt_lcio.lib.ALT_LIO	4A7 10A6 10B6 10D2 11B2																																																																																																																																						
=GND_CHASSIS_DCIN_USB	=GND_CHASSIS_DCIN_USB - @alt_lcio.lib.ALT_LIO	11B7 12B6 12C6 13A8 13B2 13B6 13B8 13C8 13C8 15A3 15A4 15A8 15B5 15B8 15C5 15C8 15D8																																																																																																																																						
=GND_CHASSIS_GND1	=GND_CHASSIS_GND1 - @alt_lcio.lib.ALT_LIO	4A8																																																																																																																																						
=GND_CHASSIS_LTUSB	=GND_CHASSIS_LTUSB - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2																																																																																																																																						
=GND_CHASSIS_LTIOS	=GND_CHASSIS_LTIOS - @alt_lcio.lib.ALT_LIO	4A8																																																																																																																																						
=GND_CHASSIS_LTIOS_FLEX	=GND_CHASSIS_LTIOS_FLEX - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2																																																																																																																																						
=GND_CHASSIS_PCIE_EXCARD	=GND_CHASSIS_PCIE_EXCARD - @alt_lcio.lib.ALT_LIO	4A7 5A2 5C2																																																																																																																																						
=LIO_P3V3S3_EN	=LIO_P3V3S3_EN - @alt_lcio.lib.ALT_LIO	4C4 8C6 16B8																																																																																																																																						
=LTIUSB_OC_L	=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO	4C2 5C8																																																																																																																																						
=LTIUSB_OC_L	=LTIUSB_OC_L - @alt_lcio.lib.ALT_LIO	4A3 8C6																																																																																																																																						
=MINI_CLKREQ_L	=MINI_CLKREQ_L - @alt_lcio.lib.ALT_LIO	4B5 8C6																																																																																																																																						
=PCIE_CLK100M_EXCARD_N	=PCIE_CLK100M_EXCARD_N - @alt_lcio.lib.ALT_LIO	4D5 8B1																																																																																																																																						
=PCIE_CLK100M_EXCARD_P	=PCIE_CLK100M_EXCARD_P - @alt_lcio.lib.ALT_LIO	4D2 6C3																																																																																																																																						
=PCIE_CLK100M_MINI_N	=PCIE_CLK100M_MINI_N - @alt_lcio.lib.ALT_LIO	4D5 8C1																																																																																																																																						
=PCIE_CLK100M_MINI_P	=PCIE_CLK100M_MINI_P - @alt_lcio.lib.ALT_LIO	4B2 7C6																																																																																																																																						
=PCIE_EXCARD_D2R_N	=PCIE_EXCARD_D2R_N - @alt_lcio.lib.ALT_LIO	4D5 8B3																																																																																																																																						
=PCIE_EXCARD_D2R_P	=PCIE_EXCARD_D2R_P - @alt_lcio.lib.ALT_LIO	4D5 8B3																																																																																																																																						
=PCIE_EXCARD_R2D_N	=PCIE_EXCARD_R2D_N - @alt_lcio.lib.ALT_LIO	4D5 8B3																																																																																																																																						
=PCIE_EXCARD_R2D_P	=PCIE_EXCARD_R2D_P - @alt_lcio.lib.ALT_LIO	4D5 8B3																																																																																																																																						
=PCIE_MINI_D2R_N	=PCIE_MINI_D2R_N - @alt_lcio.lib.ALT_LIO	4B5 8C3																																																																																																																																						
=PCIE_MINI_D2R_P	=PCIE_MINI_D2R_P - @alt_lcio.lib.ALT_LIO	4B5 8C3																																																																																																																																						

	8	7	6	5	4	3	2	1
D	MAX9722_PVSS	MAX9722_PVSS - @alt_l1o.lib.ALT_L1O	12C4					
	MIC_HI	MIC_HI - @alt_l1o.lib.ALT_L1O	14D3 15A6	SPKRCONN_L1_P_OUT	@alt_l1o.lib.ALT_L1O			13C3 14C3
	MIC_IN	MIC_IN - @alt_l1o.lib.ALT_L1O	15A5	SPKRCONN_L2_N_OUT	SPKRCONN_L2_N_OUT - @alt_l1o.lib.ALT_L1O			13D3 14C3
	MIC_LO	MIC_LO - @alt_l1o.lib.ALT_L1O	14D3 15A6	SPKRCONN_L2_P_OUT	SPKRCONN_L2_P_OUT - @alt_l1o.lib.ALT_L1O			13D3 14C3
	MIC_SHIELD	MIC_SHIELD - @alt_l1o.lib.ALT_L1O	14D3 15A6	SPKRCONN_R1_N_OUT	SPKRCONN_R1_N_OUT - @alt_l1o.lib.ALT_L1O			13A3 14C3
	NC_AUD_GPIO_2	NC_AUD_GPIO_2 - @alt_l1o.lib.ALT_L1O	10C7	SPKRCONN_R1_P_OUT	SPKRCONN_R1_P_OUT - @alt_l1o.lib.ALT_L1O			13A3 14C3
	NC_LED_WLAN_L	NC_LED_WLAN_L - @alt_l1o.lib.ALT_L1O	7B3	SPKRCONN_R2_N_OUT	SPKRCONN_R2_N_OUT - @alt_l1o.lib.ALT_L1O			13B3 14C3
	NC_LED_WPAN_L	NC_LED_WPAN_L - @alt_l1o.lib.ALT_L1O	7B3	SPKRCONN_R2_P_OUT	SPKRCONN_R2_P_OUT - @alt_l1o.lib.ALT_L1O			13B3 14C3
	NC_LED_WWAN_L	NC_LED_WWAN_L - @alt_l1o.lib.ALT_L1O	7B3	SPKR_SHIELD	SPKR_SHIELD - @alt_l1o.lib.ALT_L1O			14C2
	NC_L1O_P3V3S3_PGOOD	NC_L1O_P3V3S3_PGOOD - @alt_l1o.lib.ALT_L1O	16B8	SYS_ONEWIRE	SYS_ONEWIRE - @alt_l1o.lib.ALT_L1O			8C6 17C1
C	NC_UIM_CLK	NC_UIM_CLK - @alt_l1o.lib.ALT_L1O	7C3	SYS_ONEWIRE_BILAT	SYS_ONEWIRE_BILAT - @alt_l1o.lib.ALT_L1O			17C2
	NC_UIM_DATA	NC_UIM_DATA - @alt_l1o.lib.ALT_L1O	7C3	TP_EXCARD_STBY_L	TP_EXCARD_STBY_L - @alt_l1o.lib.ALT_L1O			6C7
	NC_UIM_PWR	NC_UIM_PWR - @alt_l1o.lib.ALT_L1O	7C3	TP_USB2_MINI_N	TP_USB2_MINI_N - @alt_l1o.lib.ALT_L1O			4B2
	NC_UIM_RESET	NC_UIM_RESET - @alt_l1o.lib.ALT_L1O	7C3	TP_USB2_MINI_P	TP_USB2_MINI_P - @alt_l1o.lib.ALT_L1O			4B2
	NC_UIM_VFP	NC_UIM_VFP - @alt_l1o.lib.ALT_L1O	7C3	USB_LEFT2_EMI_N	USB_LEFT2_EMI_N - @alt_l1o.lib.ALT_L1O			4B5 7B3
	NC_VOL_DOWN	NC_VOL_DOWN - @alt_l1o.lib.ALT_L1O	10C7	USB_LEFT2_EMI_P	USB_LEFT2_EMI_P - @alt_l1o.lib.ALT_L1O			5C4
	NC_VOL_UP	NC_VOL_UP - @alt_l1o.lib.ALT_L1O	10C7	USB_LEFT2_GND	USB_LEFT2_GND - @alt_l1o.lib.ALT_L1O			5C3
	NC_W_DISABLE_L	NC_W_DISABLE_L - @alt_l1o.lib.ALT_L1O	7C3	USB_LEFT2_GND	USB_LEFT2_GND - @alt_l1o.lib.ALT_L1O			5C3
	ONEWIRE_DCIN_DIV	ONEWIRE_DCIN_DIV - @alt_l1o.lib.ALT_L1O	17C5	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	ONEWIRE_EN	ONEWIRE_EN - @alt_l1o.lib.ALT_L1O	17D3	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
B	ONEWIRE_ESD	ONEWIRE_ESD - @alt_l1o.lib.ALT_L1O	17C4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	ONEWIRE_OVERRVOLT	ONEWIRE_OVERRVOLT - @alt_l1o.lib.ALT_L1O	17C4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	ONEWIRE_PWR_EN_L	ONEWIRE_PWR_EN_L - @alt_l1o.lib.ALT_L1O	17C2	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	ONEWIRE_PWR_EN_L_DIV	ONEWIRE_PWR_EN_L_DIV - @alt_l1o.lib.ALT_L1O	17D2	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	P2V5_ONEWIRE_REF	P2V5_ONEWIRE_REF - @alt_l1o.lib.ALT_L1O	17C5	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	PCIE_CLK100M_EXCARD_	PCIE_CLK100M_EXCARD_ - @alt_l1o.lib.ALT_L1O	8C4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	UF_N	UF_N - @alt_l1o.lib.ALT_L1O	8B4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	PCIE_CLK100M_EXCARD_	PCIE_CLK100M_EXCARD_ - @alt_l1o.lib.ALT_L1O	8B4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	UF_P	UF_P - @alt_l1o.lib.ALT_L1O	8C4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
	PCIE_CLK100M_MINI_UF	PCIE_CLK100M_MINI_UF - @alt_l1o.lib.ALT_L1O	8C4	USB_LEFT2_OC_L_R	USB_LEFT2_OC_L_R - @alt_l1o.lib.ALT_L1O			5B7
A	PCIE_WAKE_EXCARD_L	PCIE_WAKE_EXCARD_L - @alt_l1o.lib.ALT_L1O	4C3 6C3	VRREG_FB	VRREG_FB - @alt_l1o.lib.ALT_L1O			10A3
	PCIE_WAKE_L	PCIE_WAKE_L - @alt_l1o.lib.ALT_L1O	4C4 8C6					
	PCIE_WAKE_MINI_L	PCIE_WAKE_MINI_L - @alt_l1o.lib.ALT_L1O	4C3 7C6					
	PCIE_WAKE_L	PCIE_WAKE_L - @alt_l1o.lib.ALT_L1O	4C4 8C6					
	PLT_RESET_SWITCH_L	PLT_RESET_SWITCH_L - @alt_l1o.lib.ALT_L1O	6C3 6C3					
	PP1V5_S0_EXCARD_SWIT	PP1V5_S0_EXCARD_SWIT - @alt_l1o.lib.ALT_L1O	6C3 6C3					
	CH	CH - @alt_l1o.lib.ALT_L1O	10D6					
	PP3V3_AUDIO_CODECC	PP3V3_AUDIO_CODECC - @alt_l1o.lib.ALT_L1O	15B4 15C8 15C8 15D8					
	PP3V3_S0_AUDIO_F	PP3V3_S0_AUDIO_F - @alt_l1o.lib.ALT_L1O	6C3 6C3					
	PP3V3_S3_EXCARD_SWIT	PP3V3_S3_EXCARD_SWIT - @alt_l1o.lib.ALT_L1O	6C3 6C3					
PP4V5_AUDIO_ANALOG	PP4V5_AUDIO_ANALOG - @alt_l1o.lib.ALT_L1O	10A2 10D2 11C7 15A8 15C5						
PP4V5_AUDIO_LINE_IN	PP4V5_AUDIO_LINE_IN - @alt_l1o.lib.ALT_L1O	11C5						
PP5V_AUDIO_HPAMP_AV	PP5V_AUDIO_HPAMP_AV - @alt_l1o.lib.ALT_L1O	12D4						
PP5V_AUDIO_HPAMP_PVD	PP5V_AUDIO_HPAMP_PVD - @alt_l1o.lib.ALT_L1O	12D5						
PP5V_PWRON_USB_LEFT2	PP5V_PWRON_USB_LEFT2 - @alt_l1o.lib.ALT_L1O	5D4						
PP5V_PWRON_USB_LEFT	PP5V_PWRON_USB_LEFT - @alt_l1o.lib.ALT_L1O	5B4						
EMI	EMI - @alt_l1o.lib.ALT_L1O	13A8 13B1 13B8 13C8 13D8						
PP5V_S0_AUDIO_F	PP5V_S0_AUDIO_F - @alt_l1o.lib.ALT_L1O	16C6						
PP5V_S3_3V3S3_R	PP5V_S3_3V3S3_R - @alt_l1o.lib.ALT_L1O	16C7						
PP5V_S3_3V3S3_VCC	PP5V_S3_3V3S3_VCC - @alt_l1o.lib.ALT_L1O	16C7						
PP5V_S3_USB_SWITCH_O	PP5V_S3_USB_SWITCH_O - @alt_l1o.lib.ALT_L1O	5B5						
UT1	UT1 - @alt_l1o.lib.ALT_L1O	5D5						
UT2	UT2 - @alt_l1o.lib.ALT_L1O	17D1 18C4						
PP18V5_DCIN	PP18V5_DCIN - @alt_l1o.lib.ALT_L1O	17D6						
PP18V5_DCIN_FUSE	PP18V5_DCIN_FUSE - @alt_l1o.lib.ALT_L1O	17D5						
PP18V5_DCIN_ONEWIRE	PP18V5_DCIN_ONEWIRE - @alt_l1o.lib.ALT_L1O	17D7						
PP18V5_DCIN_UF	PP18V5_DCIN_UF - @alt_l1o.lib.ALT_L1O	10C6						
SDATAIN	SDATAIN - @alt_l1o.lib.ALT_L1O	8C6 17B2						
SMC_BC_ACOK_R	SMC_BC_ACOK_R - @alt_l1o.lib.ALT_L1O	17C1						
SMC_EXCARD_CP	SMC_EXCARD_CP - @alt_l1o.lib.ALT_L1O	6A4 8C6						
SMC_EXCARD_PWR_EN	SMC_EXCARD_PWR_EN - @alt_l1o.lib.ALT_L1O	6C7 8C6						
SPKRAMP_L1_N_OUT	SPKRAMP_L1_N_OUT - @alt_l1o.lib.ALT_L1O	13C4 13C5						
SPKRAMP_L1_P_OUT	SPKRAMP_L1_P_OUT - @alt_l1o.lib.ALT_L1O	13C4 13C5						
SPKRAMP_L2_N_OUT	SPKRAMP_L2_N_OUT - @alt_l1o.lib.ALT_L1O	13D4 13D5						
SPKRAMP_L2_P_OUT	SPKRAMP_L2_P_OUT - @alt_l1o.lib.ALT_L1O	13A4 13A5						
SPKRAMP_R1_N_OUT	SPKRAMP_R1_N_OUT - @alt_l1o.lib.ALT_L1O	13A4 13A5						
SPKRAMP_R1_P_OUT	SPKRAMP_R1_P_OUT - @alt_l1o.lib.ALT_L1O	13B4 13B5						
SPKRAMP_R2_N_OUT	SPKRAMP_R2_N_OUT - @alt_l1o.lib.ALT_L1O	13B4 13B5						
SPKRAMP_R2_P_OUT	SPKRAMP_R2_P_OUT - @alt_l1o.lib.ALT_L1O	13C5 13D5						
SPKRAMP_SYNC1	SPKRAMP_SYNC1 - @alt_l1o.lib.ALT_L1O	13B5 13C5						
SPKRAMP_SYNC2	SPKRAMP_SYNC2 - @alt_l1o.lib.ALT_L1O	13A5 13B5						
SPKRAMP_SYNC3	SPKRAMP_SYNC3 - @alt_l1o.lib.ALT_L1O	13A5 13B5 13B5 13C5 13C5						
SPKRAMP_THERMPAD	SPKRAMP_THERMPAD - @alt_l1o.lib.ALT_L1O	13C3 14C3						
SPKRCONN_L1_N_OUT	SPKRCONN_L1_N_OUT - @alt_l1o.lib.ALT_L1O	13C3 14C3						



8			7			6			5			4			3			2			1		
Title: Cref Part Report Design: alt_lio Date: Feb 10 15:48:12 2006			C7301 CAP_402 alt_lio[14C5] C7302 CAP_402 alt_lio[14C5] C7304 CAP_402 alt_lio[14C5] C7305 CAP_402 alt_lio[14C5] C7350 CAP_402 alt_lio[14A7] C7351 CAP_603 alt_lio[14A7] C7352 CAP_402 alt_lio[14A5] C7353 CAP_402 alt_lio[14A5] C7355 CAP_402 alt_lio[14A5] C7356 CAP_402 alt_lio[14A5] C7400 CAP_402 alt_lio[15B4] C7401 CAP_402 alt_lio[15D7] C7402 CAP_402 alt_lio[15C7] C7404 CAP_402 alt_lio[15C4] C7411 CAP_402 alt_lio[15B7] C7412 CAP_402 alt_lio[15B6] C7414 CAP_402 alt_lio[15C4] C7442 CAP_402 alt_lio[15A2] C7443 CAP_402 alt_lio[15A2] C7445 CAP_402 alt_lio[15A2] C7446 CAP_402 alt_lio[15A1] C7447 CAP_402 alt_lio[15A1] C7450 CAP_402 alt_lio[15A4] C7451 CAP_402 alt_lio[15A5] C7452 CAP_402 alt_lio[15A4] C7800 CAP_603 alt_lio[16C6] C7801 CAP_603 alt_lio[16C6] C7802 CAP_603 alt_lio[16C6] C7806 CAP_402 alt_lio[16B8] C7807 CAP_402 alt_lio[16B6] C7808 CAP_402 alt_lio[16B7] C7809 CAP_402 alt_lio[16C4] C7822 CAP_402 alt_lio[16B4] C7830 CAP_1210 alt_lio[16C3] C7840 CAP_805 alt_lio[16B2] C7841 CAP_P_SMC-LF alt_lio[16B2] C7842 CAP_805 alt_lio[16B2] C7843 CAP_402 alt_lio[16B2] C7890 CAP_402 alt_lio[16C1] C8200 CAP_805 alt_lio[17D7] C8201 CAP_805 alt_lio[17D7] C8203 CAP_402 alt_lio[17D7] C8204 CAP_603 alt_lio[17D6] C8205 CAP_603 alt_lio[17D4] C8206 CAP_402 alt_lio[17C2] C8207 CAP_402 alt_lio[17B1] D5100 DIODE_SCHOT_3P_A_SC- alt_lio[5A3] 75 D5110 DIODE_SCHOT_3P_A_SC- alt_lio[5C4] 75 D6800 DIODE_SCHOT_POWERDI- alt_lio[10A4] 123 D7800 DIO_MBRM140T3_SM_SMD alt_lio[16B3] D8200 DIODE_SCHOT_3P_A_SC- alt_lio[17C7] 75 D27300 SUPPR_TRANSIENT_4P1_ alt_lio[14C6] 0405 D27301 SUPPR_TRANSIENT_4P1_ alt_lio[14C6] 0405 D27303 SUPPR_TRANSIENT1_402 alt_lio[14C5] D27306 SUPPR_TRANSIENT1_402 alt_lio[14C5] D27350 SUPPR_TRANSIENT_4P1_ alt_lio[14A6] 0405 D27351 SUPPR_TRANSIENT_4P1_ alt_lio[14A6] 0405 D27354 SUPPR_TRANSIENT1_402 alt_lio[14A5] F8200 FUSE_1206 alt_lio[17D5] FL5500 FILTER_4P_TCM1005 alt_lio[8C3] FL5501 FILTER_4P_TCM1005 alt_lio[8B3] J5100 CON_F4RT_USB_S2MT_TH alt_lio[5B2] _F-RT-TH-USB-LFT J5110 CON_F4RT_USB_S2MT_TH alt_lio[5C2] _F-RT-TH-USB-LFT J5300 CON_F26RT_S2MT_SM_F- alt_lio[6D2] RT-SM J5400 CON_F52RT_D2MT_SM_F- alt_lio[7C5] ST-SM J5500 CON_F80ST_D4MT_SM_F- alt_lio[8C4] ST-SM J7300 CON_F8RT_SPDIFFRAN_T alt_lio[14C8] H2_F-RT-TH J7350 CON_F8RT_SPDIFRCVR_T alt_lio[14B8] H2_F-RT-TH J7380 CON_M3ST_S_TH_M-ST-T alt_lio[14D1] H J7381 CON_MSST_S_TH_M-ST-T alt_lio[14C1] H J7382 CON_MSST_S_TH_M-ST-T alt_lio[14C1] H J8200 CON_F5RT_S2MT_TH3_F- alt_lio[17D8] RT-TH J8215 CON_MBRRT_S_SM_M-RT-S alt_lio[18C5] M L5100 FILTER_4P_SM alt_lio[5B4] L5101 IND_SM alt_lio[5B4] L5110 FILTER_4P_SM alt_lio[5C4] L5111 IND_SM alt_lio[5D4] L5150 IND_SM alt_lio[5A4] L5160 IND_SM alt_lio[5C4] L6800 IND_0402 alt_lio[10A5] L6801 IND_0402 alt_lio[10D6] L7000 IND_0402 alt_lio[11C6] L7101 IND_0402 alt_lio[12D6] L7102 IND_0402 alt_lio[12C6] L7200 IND_0402 alt_lio[13B2] L7201 IND_0402 alt_lio[13D7] L7210 IND_0402 alt_lio[13D7] L7220 IND_0402 alt_lio[13C7] L7230 IND_0402 alt_lio[13B7] L7240 IND_0402 alt_lio[13A7] L7300 IND_0603 alt_lio[14D6] L7301 IND_0603 alt_lio[14D4] L7302 IND_0402 alt_lio[14C6] L7303 IND_0402 alt_lio[14C6] L7304 IND_0402 alt_lio[14C4] L7305 IND_0402 alt_lio[14C6] L7306 IND_0402 alt_lio[14C4] L7307 IND_0402 alt_lio[14C6] L7308 IND_0402 alt_lio[14D6] L7309 IND_0402 alt_lio[14D4] L7350 IND_0402 alt_lio[14B6] L7351 IND_0402 alt_lio[14B4] L7352 IND_0402 alt_lio[14B6] L7353 IND_0402 alt_lio[14B6] L7354 IND_0402 alt_lio[14B4] L7355 IND_0402 alt_lio[14A6] L7356 IND_0402 alt_lio[14A4] L7357 IND_0402 alt_lio[14A6] L7400 IND_0402 alt_lio[15B4] L7800 IND_IHLP alt_lio[16B3] L8200 FILTER_4P_SM alt_lio[17D6] L8201 IND_SM-1 alt_lio[17D6] PD6401 PHOTOIODE_2P_TH-WTH alt_lio[9C6] -SPCR Q5101 TRA_2N7002_SOT23-LF alt_lio[5C7] Q5360 TRA_2N7002_SOT23-LF alt_lio[6B3] Q6401 TRA_2N7002_SOT23-LF alt_lio[9C5] Q7400 TRA_2N7002DW_SOT-363 alt_lio[15C7 15D7] Q7401 TRA_2N7002DW_SOT-363 alt_lio[15D5 15D6] Q7402 TRA_2N7002DW_SOT-363 alt_lio[15C5 15B7] Q7403 TRA_2N7002DW_SOT-363 alt_lio[15A7 15A8] Q7800 TRA_FDM6296_MICROFET alt_lio[16C4] 3X3 Q7801 TRA_FDM6296_MICROFET alt_lio[16B4] 3X3 Q7890 TRA_FDC6388_SM-LF alt_lio[16C2] Q8200 TRA_2N7002DW_SOT-363 alt_lio[17C3 17C1] Q8201 TRA_2N7002DW_SOT-363 alt_lio[17C2 17C1] Q8209 TRA_TP0610_SOT23-3 alt_lio[17D2] R0600 RES_402 alt_lio[4A4] R0601 RES_402 alt_lio[4A3] R5101 RES_402 alt_lio[5D7] R5102 RES_402 alt_lio[5C7] R5103 RES_402 alt_lio[5B8] R5104 RES_402 alt_lio[5B7] R5300 RES_402 alt_lio[6C6] R5301 RES_402 alt_lio[6C6] R5352 RES_402 alt_lio[6A6] R5353 RES_402 alt_lio[6B5] R5354 RES_402 alt_lio[6B5] R5360 RES_402 alt_lio[6B3] R5361 RES_402 alt_lio[6B3] R5500 RES_402 alt_lio[8B4] R6401 RES_402 alt_lio[9C6] R6402 RES_402 alt_lio[9C6] R6403 RES_402 alt_lio[9C5] R6404 RES_402 alt_lio[9C5] R6405 RES_402 alt_lio[9C4] R6406 RES_402 alt_lio[9C4] R6407 RES_402 alt_lio[9C4] R6800 RES_402 alt_lio[10C6] R6802 RES_402 alt_lio[10A5] R6803 RES_402 alt_lio[10A5] R6807 RES_402 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