

VICE MLB

2/4/2010 PVT

K48-DRI

- 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	ECN	DESCRIPTION OF REVISION	CK APPD	DATE
B	0000854735	PRODUCTION RELEASED		2010-02-04

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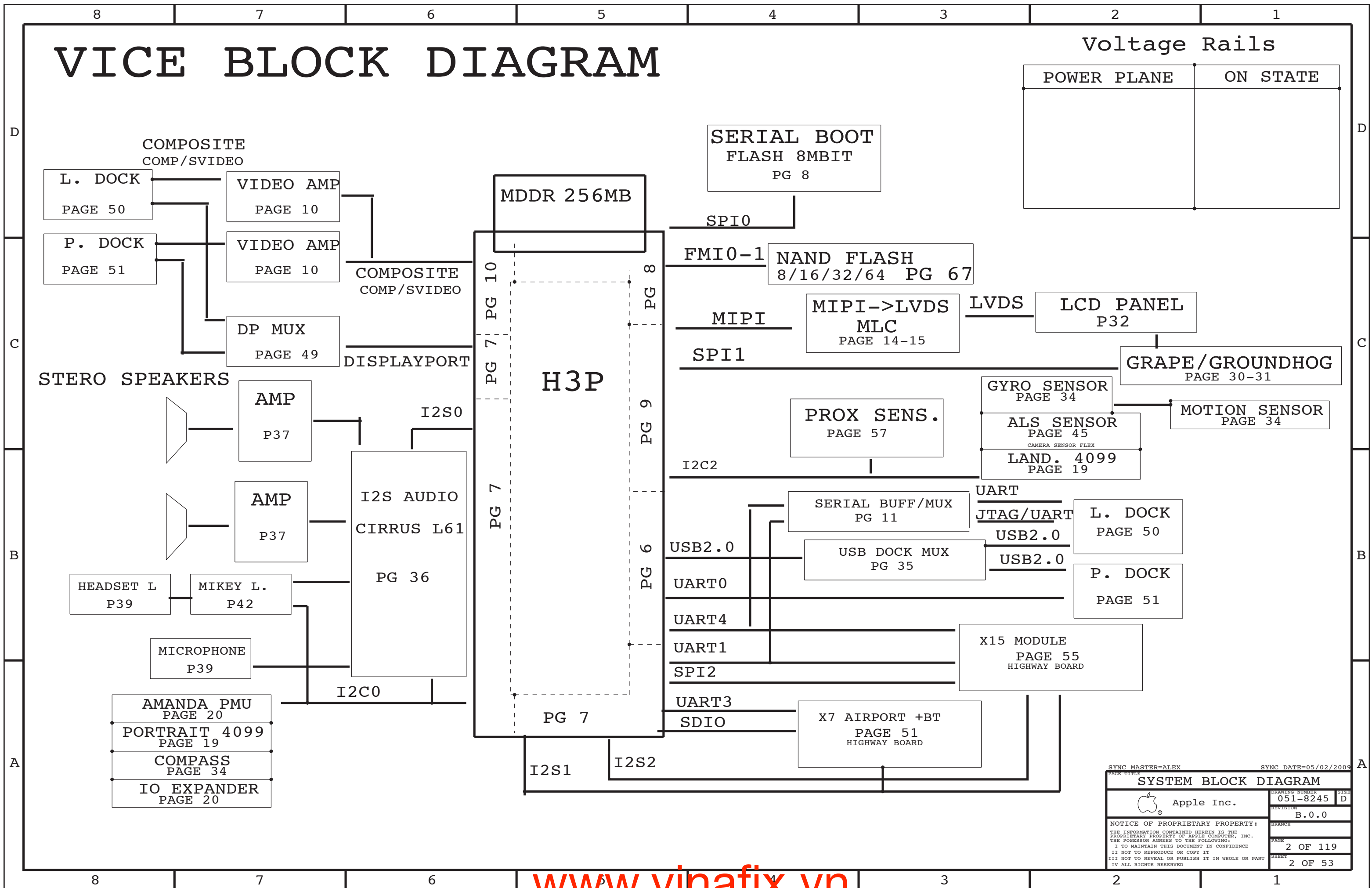
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VICE MLB		051-8245	D
Apple Inc.		REVISION	B.0.0
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		SHEET	1 OF 53

DRAWING
TITLE=0230
ASSEMBY-DRAWING
LAST_MODIFIED=Thu Feb 4 09:41:44 2010

VICE BLOCK DIAGRAM

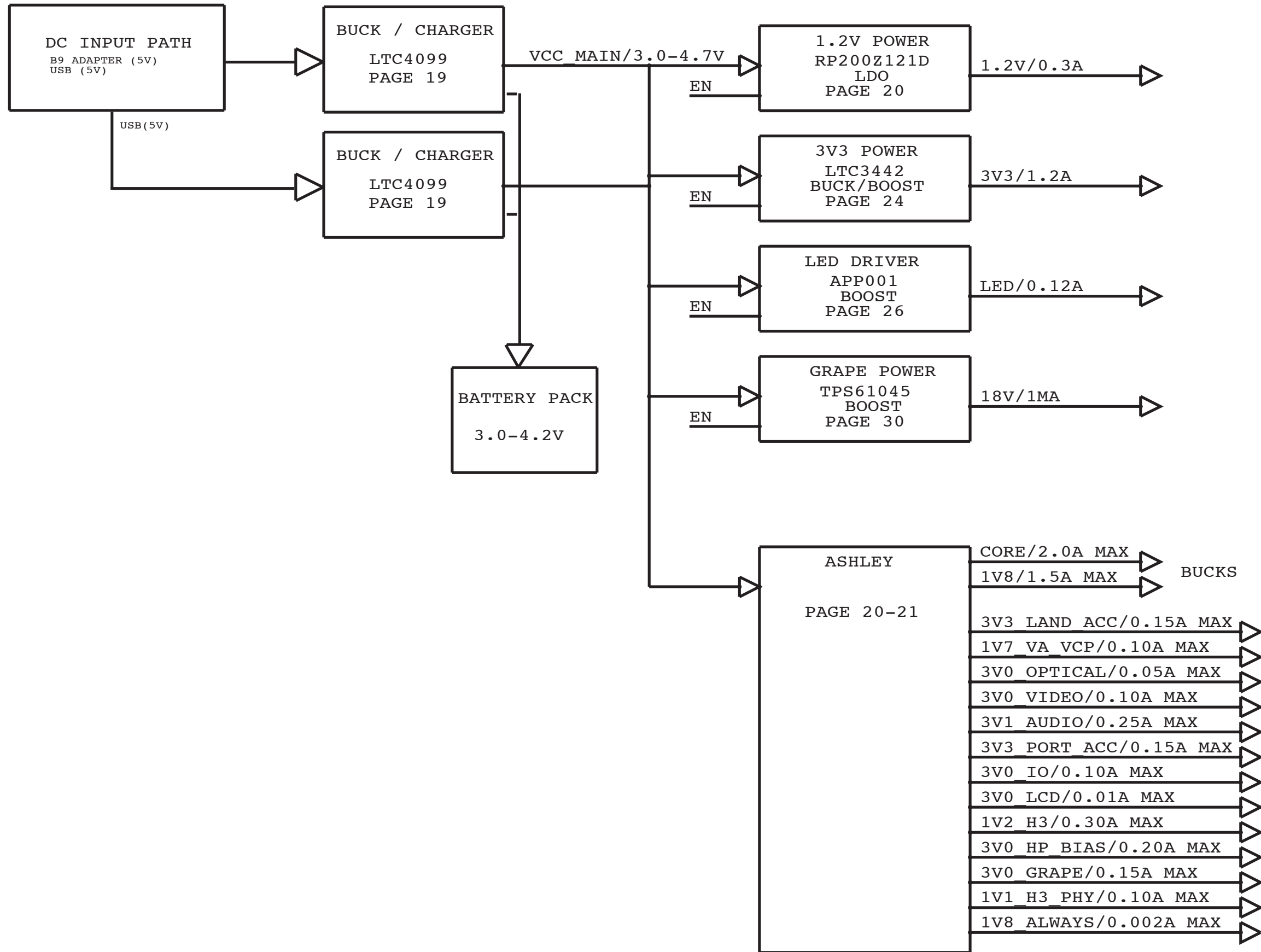
Voltage Rails

POWER PLANE	ON STATE



PAGE TITLE		SYNC MASTER=ALEX		SYNC DATE=05/02/2009	
SYSTEM BLOCK DIAGRAM					
Apple Inc.		DRAWING NUMBER	051-8245	SIZE	D
		REVISION	B.0.0		
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POWER BLOCK DIAGRAM



SYNC MASTER=MARK SYNC DATE=12/04/2009

POWER BLOCK DIAGRAM		
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Page Notes

Power aliases required by this page:
(NONE)

Signal aliases required by this page:
(NONE)

BOM options provided by this page:

ALL AVAIL BOM OPTIONS

COMMON
ALTERNATE
DEMUX
32GB_FLASH_SAM
32GB_FLASH
16GB_FLASH
16GB_FLASH_TOSH
8GB_FLASH
8GB_FLASH_SAM
BKLT_PLL
CAMERA
JTAG_2_WIRE
JTAG_1_WIRE
PRODUCTION
DEVELOPMENT
ADD19
MIKEY
INTERNAL_MIC
LANDSCAPE_DOCK
LEFT_HS
LINE_OUT_1
LINE_OUT_2
PORTRAIT_DOCK

SPEAKER

ADD DEVELOPMENT AND OTHER BOMS ONCE YOU GET BOM NUMBERS

BOM GROUP	BOM OPTIONS
BASIC	COMMON, ALTERNATE
AUDIO	LEFT_HS, SPEAKER, INTERNAL_MIC

USE SCHUTIL BOMCONFIG TO GENERATE CONFIG FILE.
PUT CONFIG FILE AT SAME LEVEL AS .CPM FILE
USE "READ BOM-CONFIG" BUTTON ON DMS TO READ IN BOMS

BOM OPTIONS

PROGRAMMABLE PARTS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
-------	-----	-------------	-------------------------	------------

SCH AND BOARD P/N

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
051-8245	1	SCHEM, VICE, MLB, K48	SCH1	
820-2740	1	PCBA, VICE, MLB, K48	PCB1	

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
085-1028	1	DEV, VICE, MLB, K48	DEV1	K48_DEV
085-1133	1	DEV, VICE, MLB, K48H	DEV1	K48M_DEV

VICE BOM OPTIONS

USE 825-6447
NEED MORE LINE ITEMS FOR OTHER CONFIGURATIONS
BARCODE LABEL/EEE CODES

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
825-7456	1	EEE FOR 639-0455 (16G)	EEE_BWY	CRITICAL	EEE_16G
825-7456	1	EEE FOR 639-0601 (32G)	EEE_D66	CRITICAL	EEE_32G
825-7456	1	EEE FOR 639-0598 (64G)	EEE_D61	CRITICAL	EEE_64G
825-7456	1	EEE FOR 639-0602 (16G)M	EEE_D67	CRITICAL	EEE_16G_M
825-7456	1	EEE FOR 639-0599 (32G)M	EEE_D62	CRITICAL	EEE_32G_M
825-7456	1	EEE FOR 639-0600 (64G)M	EEE_D63	CRITICAL	EEE_64G_M

SYNC MASTER=MIAMI SYNC DATE=08/06/2009

PAGE TITLE: CONFIGURATION OPTIONS

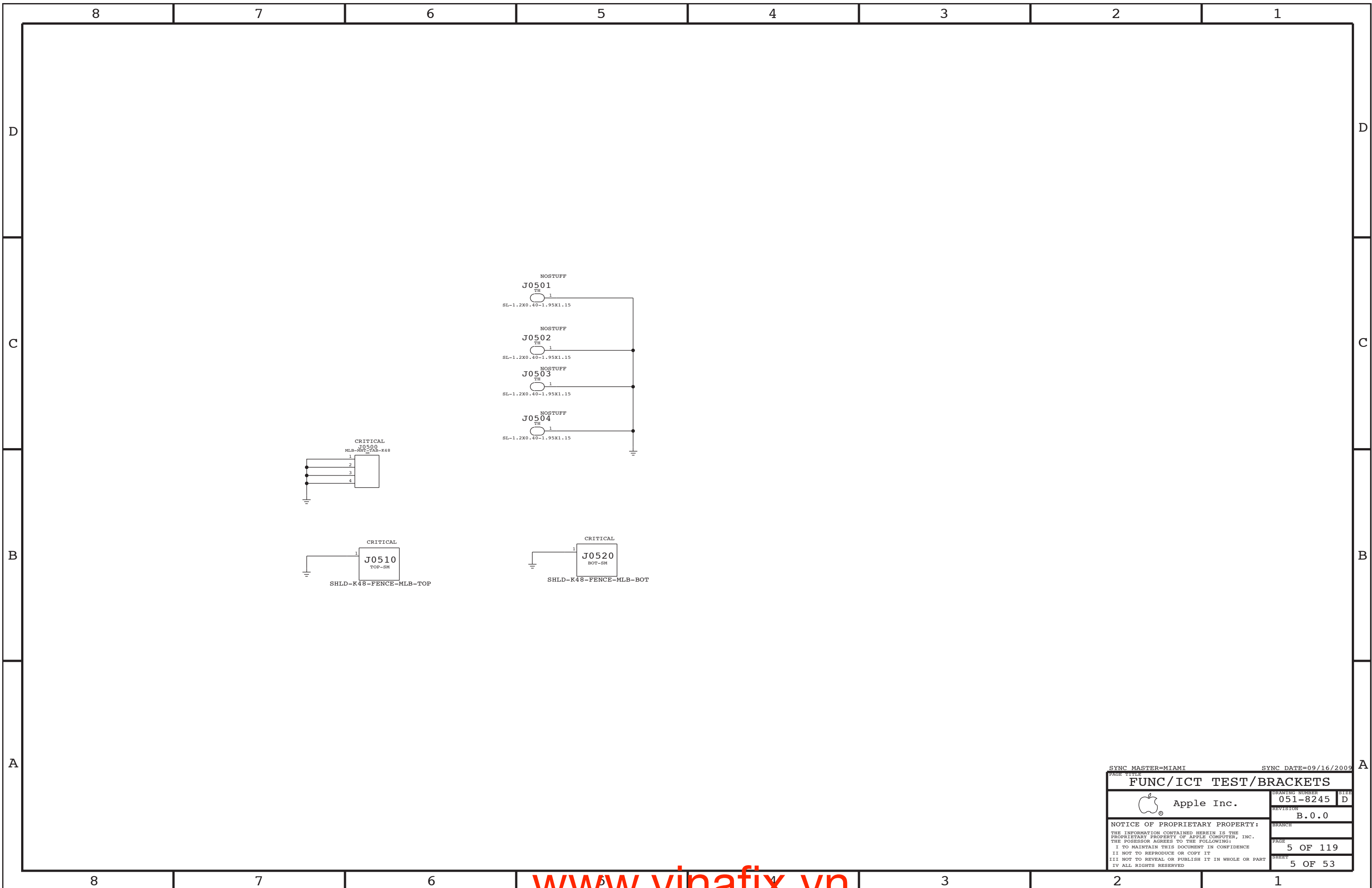
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REVISION: B.0.0

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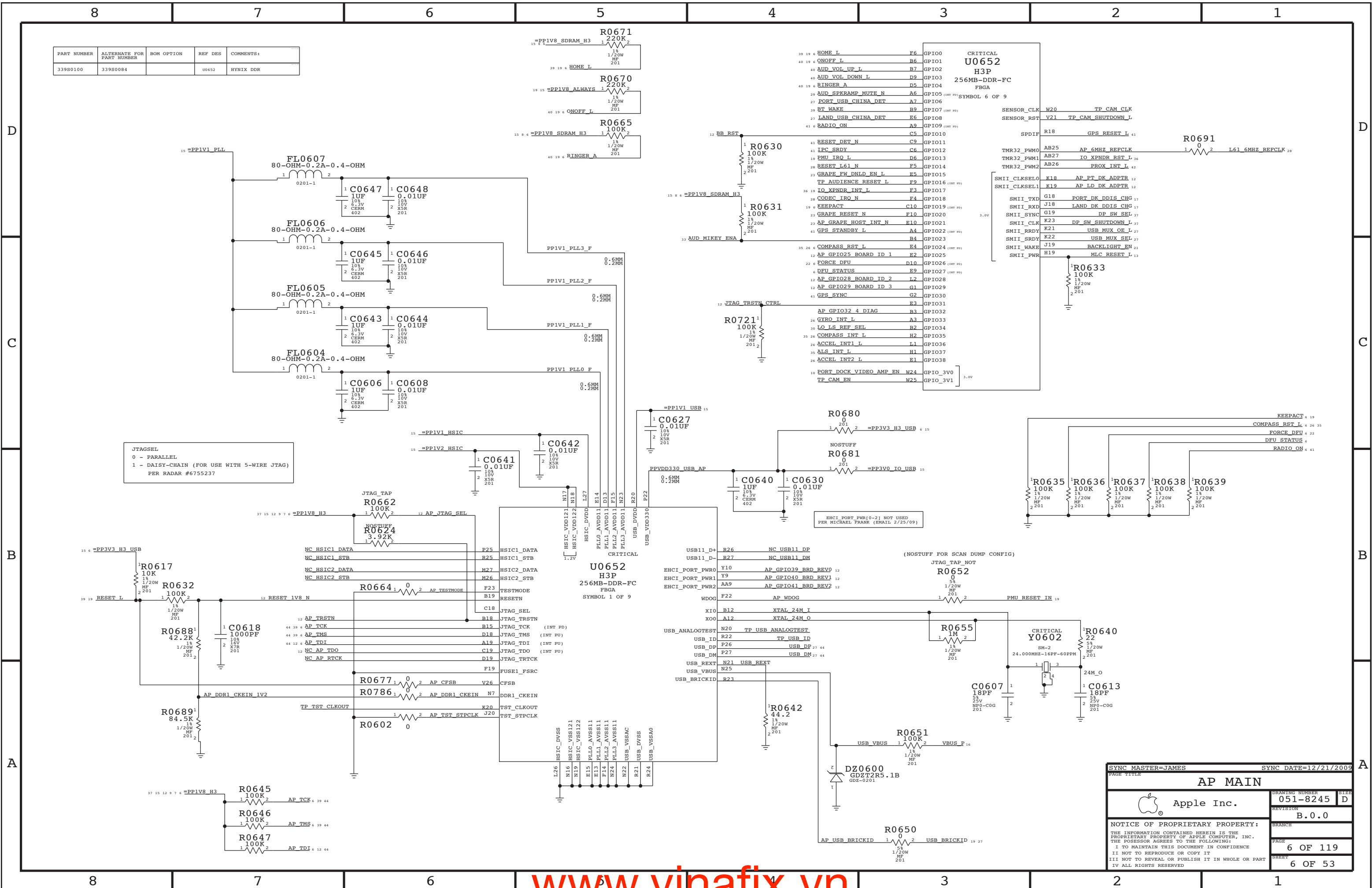
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PAGE TITLE FUNC/ICT TEST/BRACKETS			
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PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
339S0100	339S0084		U0652	HYNIX DDR

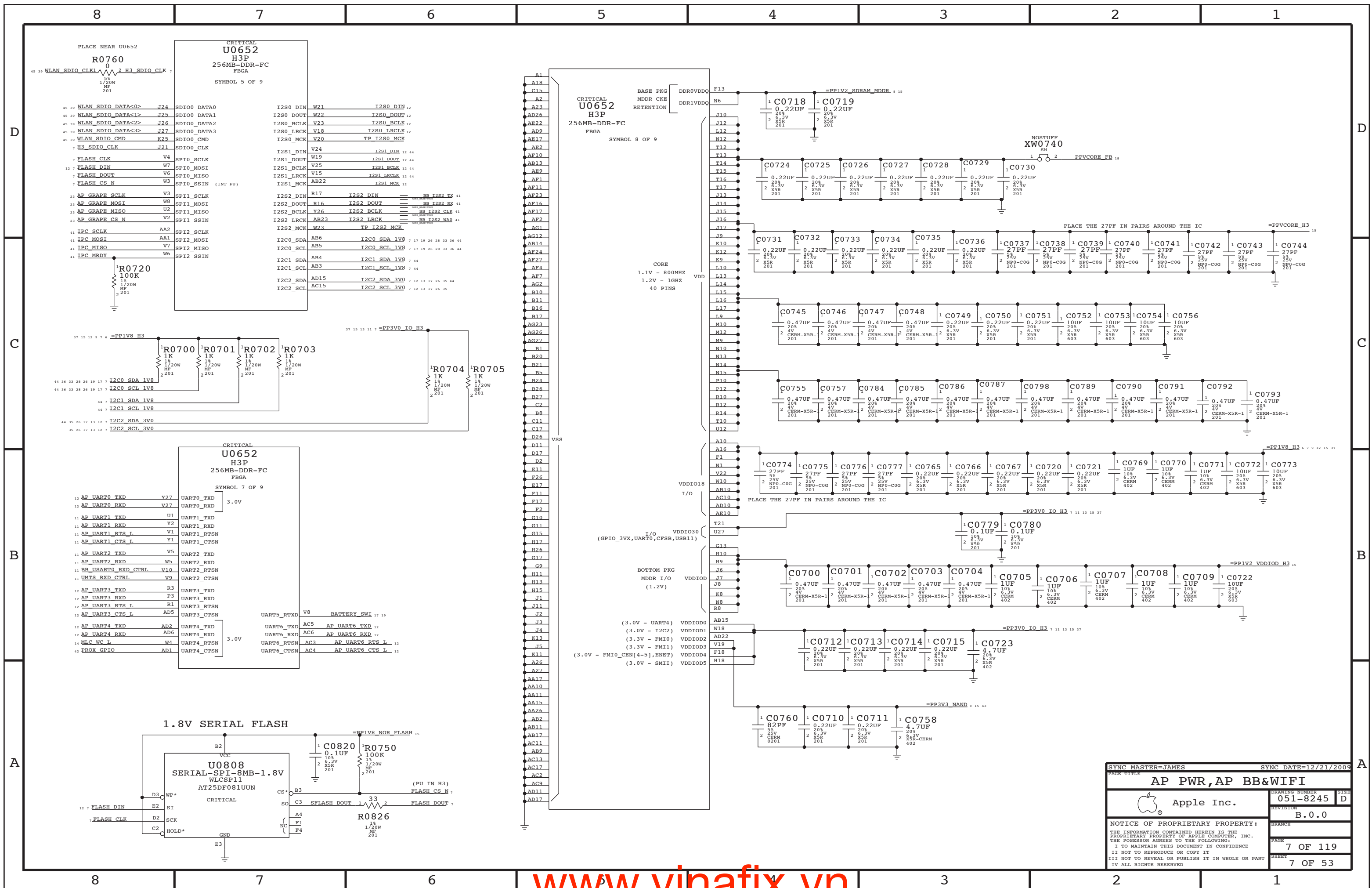


JTAGSEL
 0 - PARALLEL
 1 - DAISY-CHAIN (FOR USE WITH 5-WIRE JTAG)
 PER RADAR #6755237

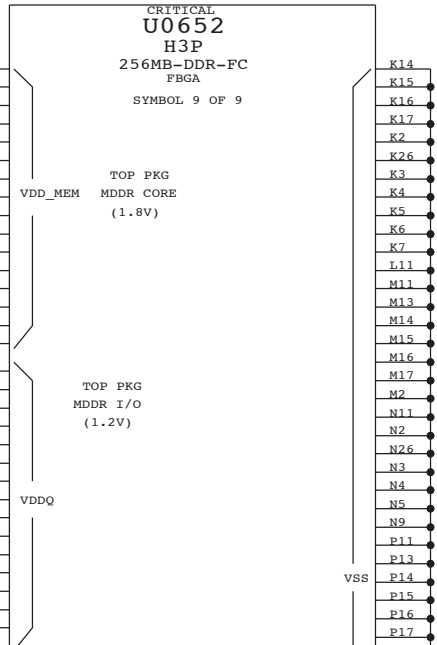
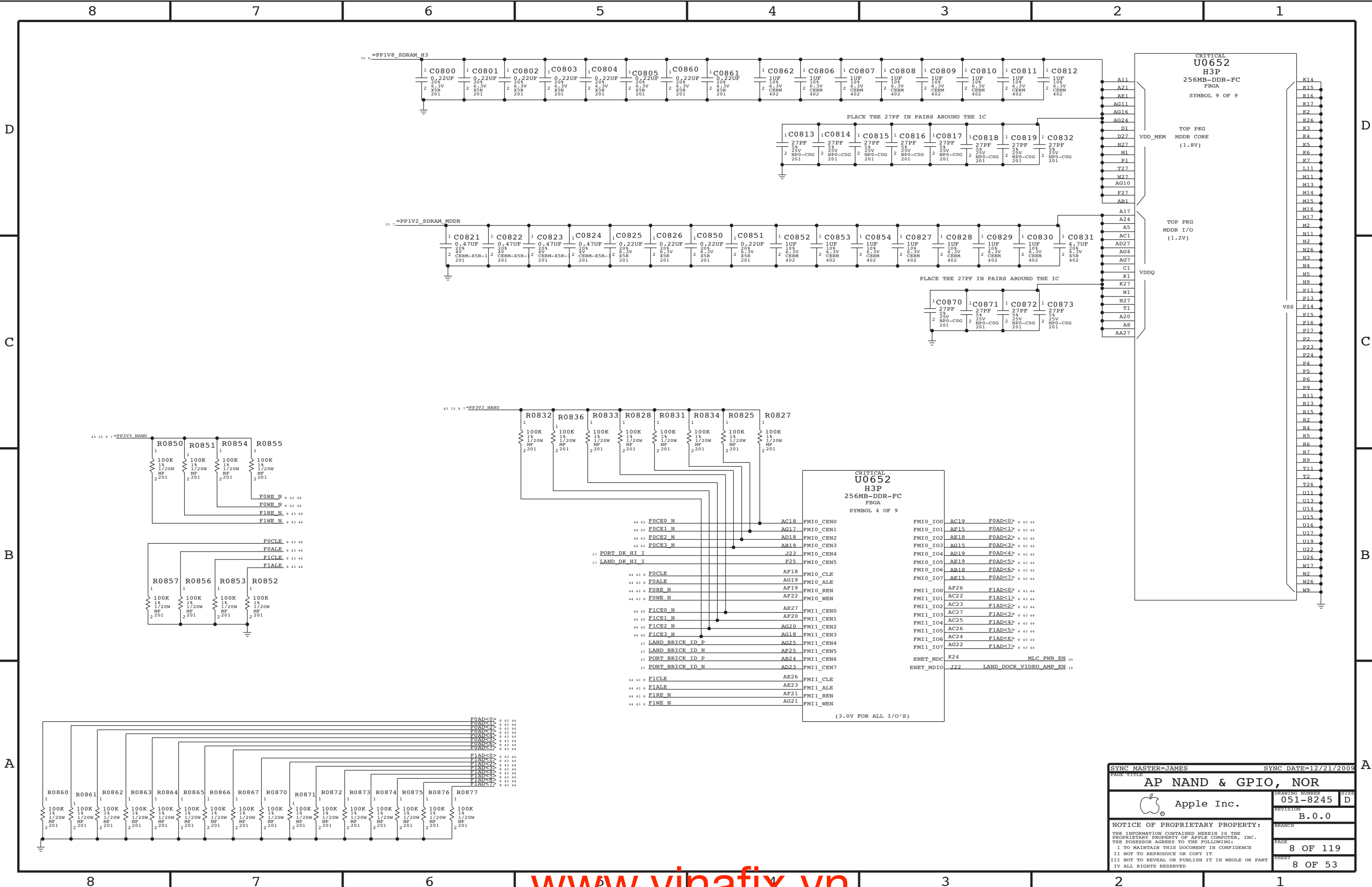
EHCI PORT PWR(0-2) NOT USED
 PER MICHAEL FRANK (EMAIL 2/25/09)

(NOSTUFF FOR SCAN DUMP CONFIG)
 JTAG_TAP NOT

PAGE TITLE		SYNC DATE=12/21/2009	
AP MAIN		DRAWING NUMBER	SIZE
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SYNC MASTER=JAMES		SYNC DATE=12/21/2009	
PAGE TITLE			
AP PWR, AP BB&WiFi			
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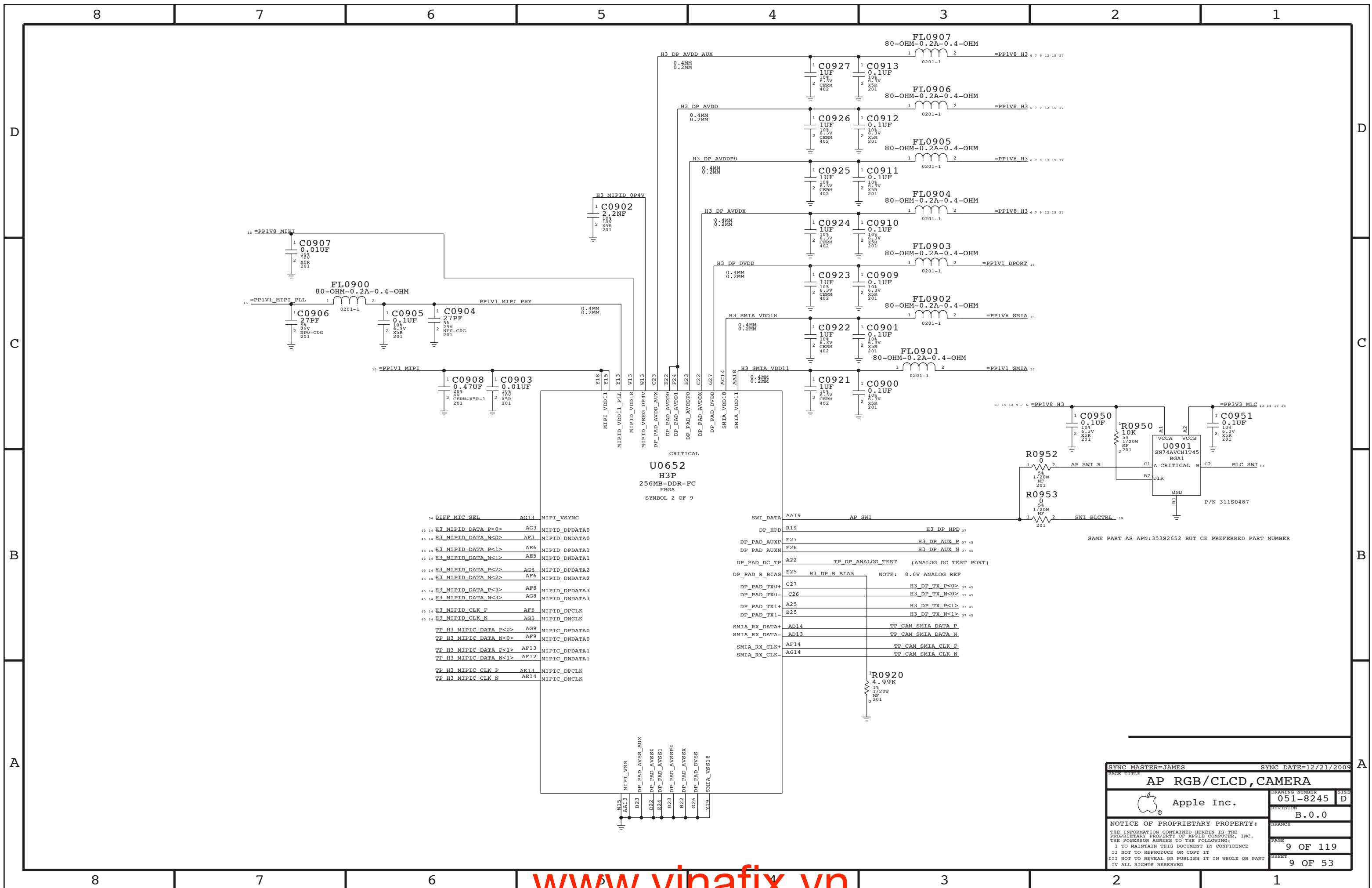


CRITICAL U0652 H3P 256MB-DDR-FC FBGA SYMBOL 4 OF 9

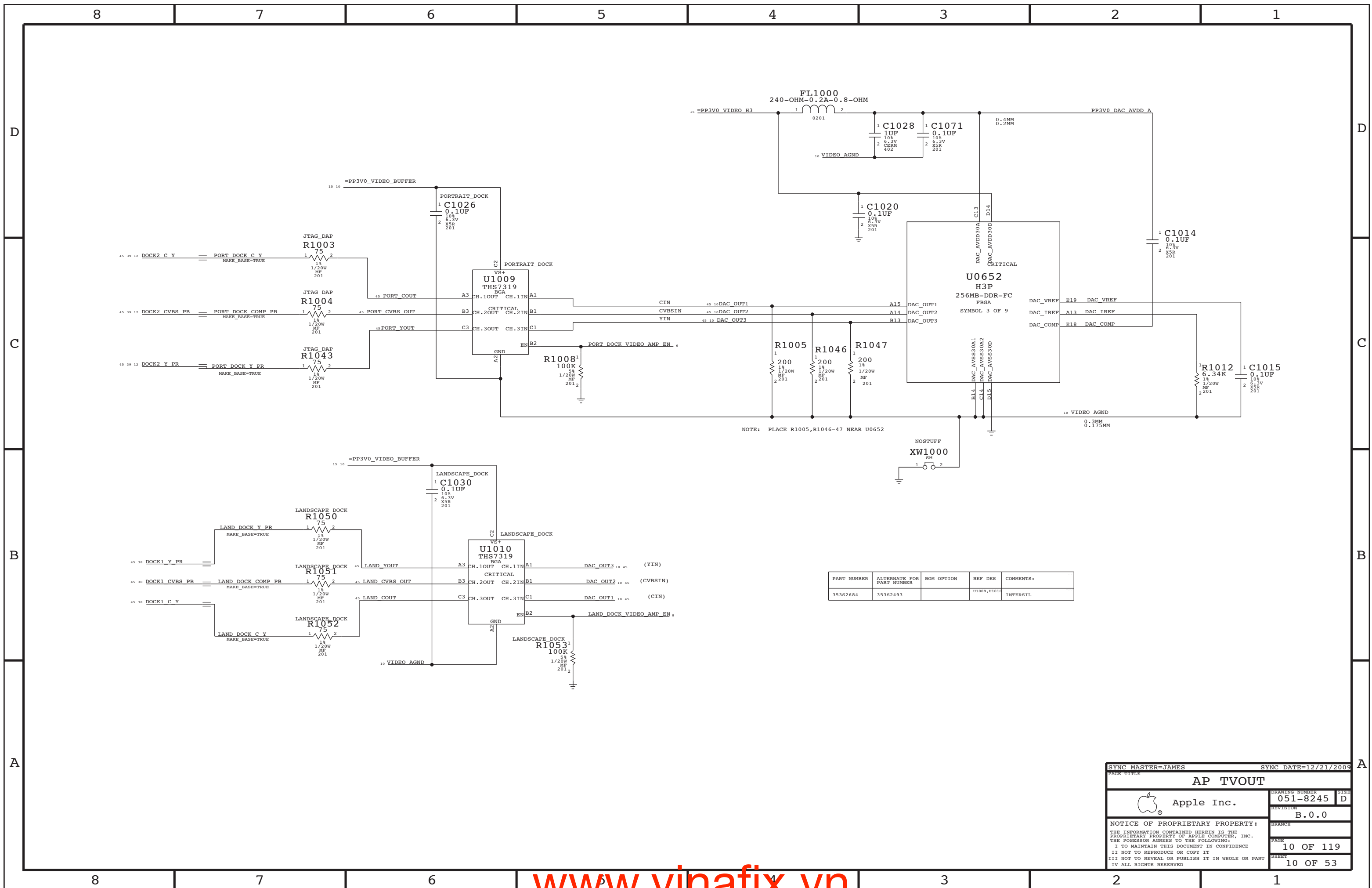
44 43	FOCE0_N	AC18	FMIO_CEN0	FMIO_I00	AC19	FOAD<0>	43 44
44 43	FOCE1_N	AG17	FMIO_CEN1	FMIO_I01	AF15	FOAD<1>	43 44
44 43	FOCE2_N	AD18	FMIO_CEN2	FMIO_I02	AE18	FOAD<2>	43 44
44 43	FOCE3_N	AB19	FMIO_CEN3	FMIO_I03	AG15	FOAD<3>	43 44
17	PORT_DK_HI_I	J23	FMIO_CEN4	FMIO_I04	AD19	FOAD<4>	43 44
17	LAND_DK_HI_I	F25	FMIO_CEN5	FMIO_I05	AE19	FOAD<5>	43 44
44 43	FOCLE	AF18	FMIO_CLE	FMIO_I06	AB18	FOAD<6>	43 44
44 43	FOALE	AG19	FMIO_ALE	FMIO_I07	AE15	FOAD<7>	43 44
44 43	FORE_N	AF19	FMIO_REN	FM11_I00	AF26	FIAD<0>	43 44
44 43	FOWE_N	AF22	FMIO_WEN	FM11_I01	AC22	FIAD<1>	43 44
44 43	FICE0_N	AE27	FM11_CEN0	FM11_I02	AC23	FIAD<2>	43 44
44 43	FICE1_N	AF20	FM11_CEN1	FM11_I03	AC27	FIAD<3>	43 44
44 43	FICE2_N	AG20	FM11_CEN2	FM11_I04	AC25	FIAD<4>	43 44
44 43	FICE3_N	AG18	FM11_CEN3	FM11_I05	AC26	FIAD<5>	43 44
27	LAND_BRICK_ID_P	AG25	FM11_CEN4	FM11_I06	AC24	FIAD<6>	43 44
27	LAND_BRICK_ID_N	AE25	FM11_CEN5	FM11_I07	AG22	FIAD<7>	43 44
27	PORT_BRICK_ID_P	AB24	FM11_CEN6	ENET_MDC	K24	MLC_PWR_EN	26
27	PORT_BRICK_ID_N	AD23	FM11_CEN7	ENET_MDIO	J22	LAND_DOCK_VIDEO_AMP_EN	10
44 43	FICLE	AE26	FM11_CLE				
44 43	FIALE	AE23	FM11_ALE				
44 43	FIRE_N	AF21	FM11_REN				
44 43	FIWE_N	AG21	FM11_WEN				

(3.0V FOR ALL I/O/S)

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AP NAND & GPIO, NOR		051-8245	
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SYNC MASTER=JAMES		SYNC DATE=12/21/2009	
PAGE TITLE			
AP RGB/CLCD, CAMERA			
Apple Inc.	DRAWING NUMBER	051-8245	SIZE
	REVISION	B.0.0	D
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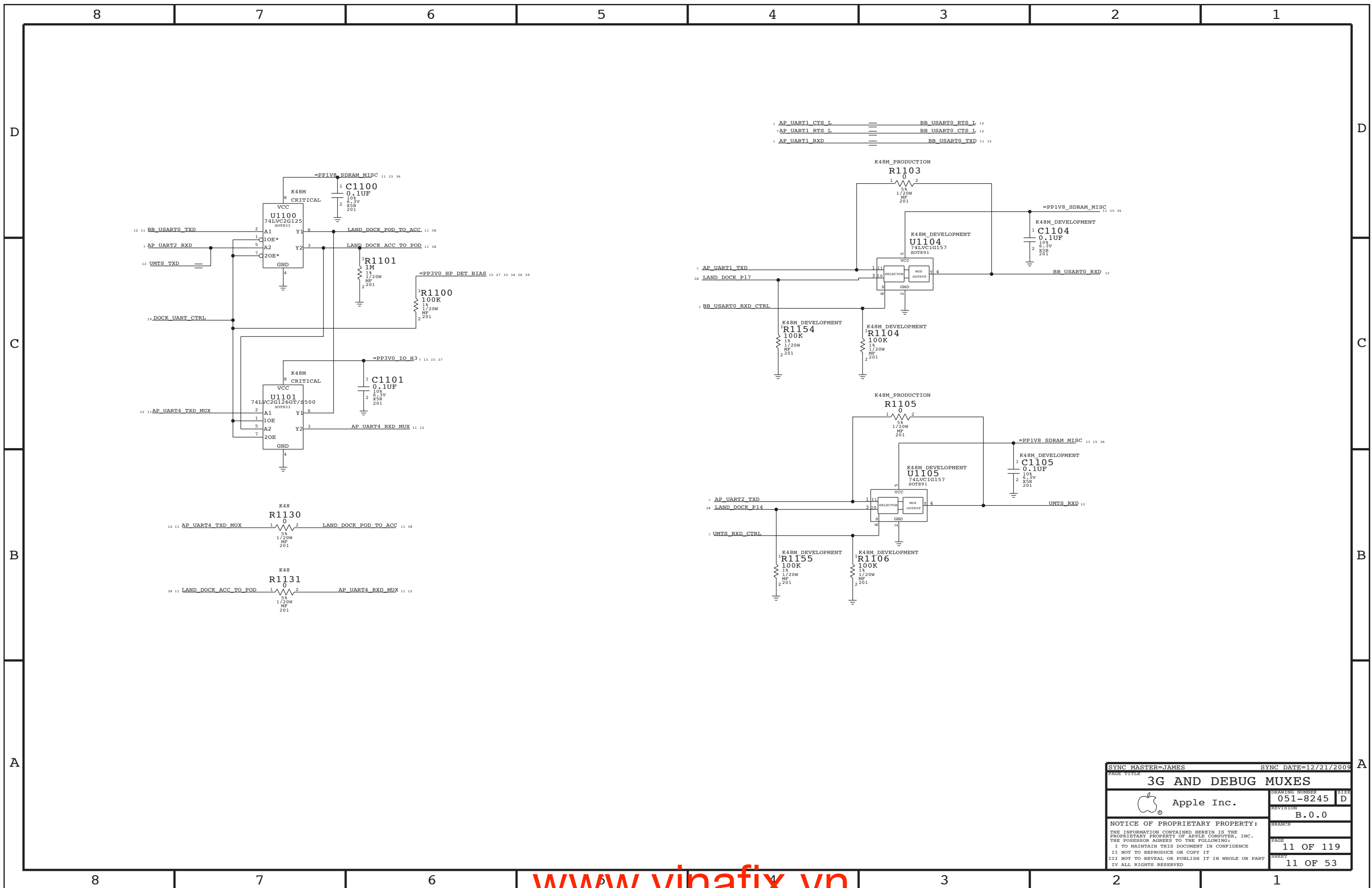
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NOSTUFF

XW1000

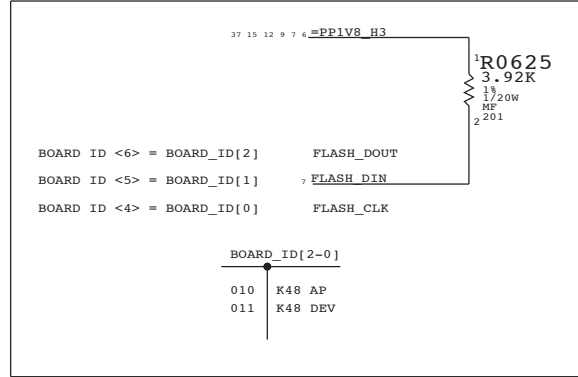
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AP TVOUT			
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SYNC MASTER=JAMES		SYNC DATE=12/21/2009	
PAGE TITLE 3G AND DEBUG MUXES			
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BOARD ID



ALIASES FROM PAGE 7

- 7 I2S0 DIN == AUD_I2S_SDOUT_L61 28
- 7 I2S0 DOUT == AUD_I2S_SDIN_L61 28
- 7 I2S0 BCLK == AUD_I2S_BITCLK_L61 28
- 7 I2S0 LRCLK == AUD_I2S_LRC_L61 28
- 44 I2S1 DIN == BB_I2S1_RX 32 41
- 44 I2S1 DOUT == BB_I2S1_TX 32 41
- 44 I2S1 BCLK == BB_I2S1_CLK 32 41
- 44 I2S1 LRCLK == BB_I2S1_WAG 32 41
- 7 I2S1 MCK == L61_I2S_MCLK 28
- 7 AP_UART0_TXD == PORT_DOCK_POD_TO_ACC 39
- 7 AP_UART0_RXD == PORT_DOCK_ACC_TO_POD 39
- 7 AP_UART6_TXD == GPS_UART_RX 41
- 7 AP_UART6_RXD == GPS_UART_TX 41
- 7 AP_UART6_RTS_L == GPS_UARTS_CTS_L 41
- 7 AP_UART6_CTS_L == GPS_UARTS_RTS_L 41

ALIASES FROM PAGE 11

- 11 BB_USART0_TXD == BB_USART0_TXD_CONN 41
- 11 BB_USART0_RXD == BB_USART0_RXD_CONN 41
- 11 BB_USART0_RTS_L == BB_USART0_RTS_L_CONN 41
- 11 BB_USART0_CTS_L == BB_USART0_CTS_L_CONN 41
- 11 UMTS_TXD == UMTS_TXD_CONN 41
- 11 UMTS_RXD == UMTS_RXD_CONN 41
- 7 AP_UART4_TXD == AP_UART4_TXD_MUX 11
- 7 AP_UART4_RXD == AP_UART4_RXD_MUX 11
- 12 AP_GPIO41_BRD_REV2 == BB_FLASH_ACTIVE 41

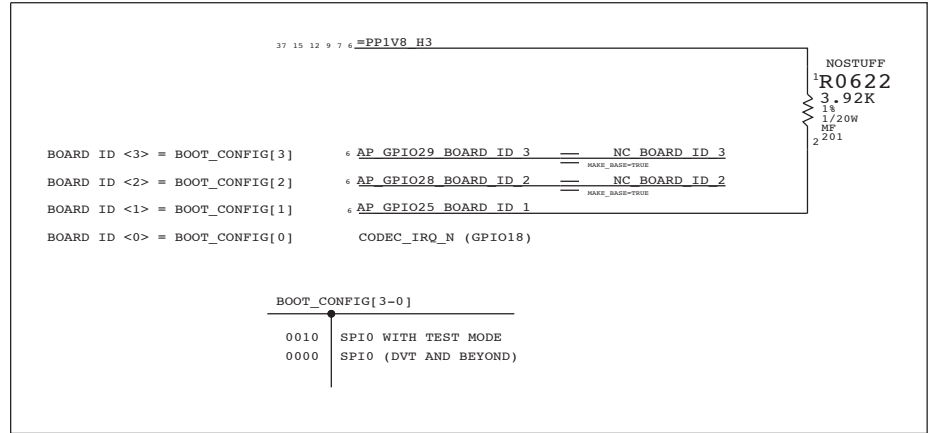
ALIASES FROM PAGE 50

- 39 LAND_USB_PWR == USB_PWR_A 16

ALIASES FROM PAGE 51

- 39 CONN_AP_UART3_RTS_L == AP_UART3_RTS_L 7
- 39 CONN_AP_UART3_CTS_L == AP_UART3_CTS_L 7
- 39 CONN_AP_UART3_TXD == AP_UART3_TXD 7
- 39 CONN_AP_UART3_RXD == AP_UART3_RXD 7

BOOT CONFIG ID

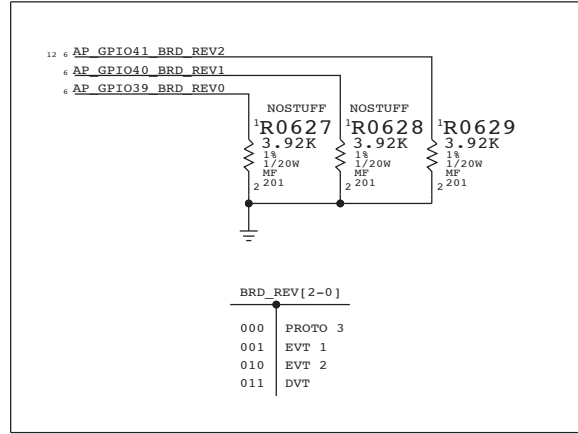


- 6 BB_RST == BB_RST_RADIO 41

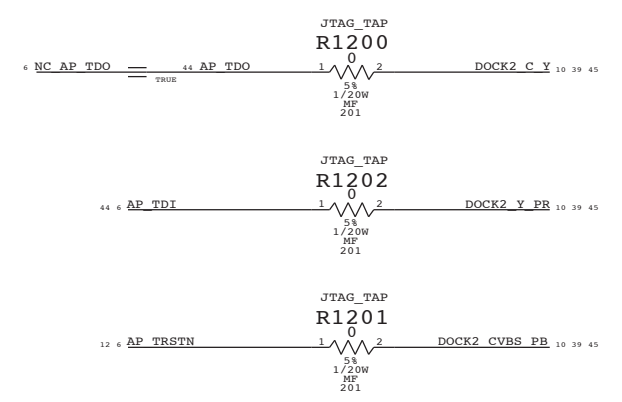
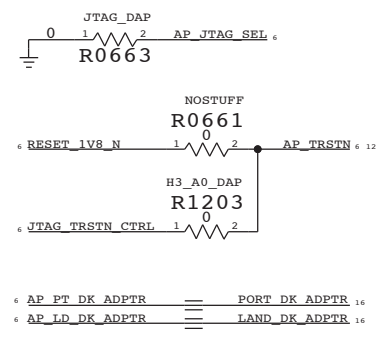
ALIASES FOR PAGE 57

- 42 PROX_SDA_3V0 == I2C2_SDA_3V0 7 13 17 26 35 44
- 42 PROX_SCL_3V0 == I2C2_SCL_3V0 7 13 17 26 35
- 42 PROX_ACSHIELD_CONN == PROX_ACSHIELD 42

BOARD REVISION



NOTE: JTAG SCAN DUMP



FOR REFERENCE

0000 SPI0	BOARD_ID[2:0]
0001 SPI1	010 K48AP
0010 SPI0 W/TEST	011 K48 DEV
0011 SPI1 W/TEST	
0100 FMIO 2CS	BOARD_REV[2:0]
0101 FMIO 4CS	000 PROTO3
0110 FMIO 4CS W/TEST	
0111 RESERVED	
1000 FMIO 2 CS	
1001 FMIO 4 CS	
1010 FMIO 4CS W/TEST	
1100 FMIO/1 2/2 CS	
1101 FMIO/1 4/4 CS	
1110 FMIO/1 4/4 CS W/TEST	
1111 RESERVED	

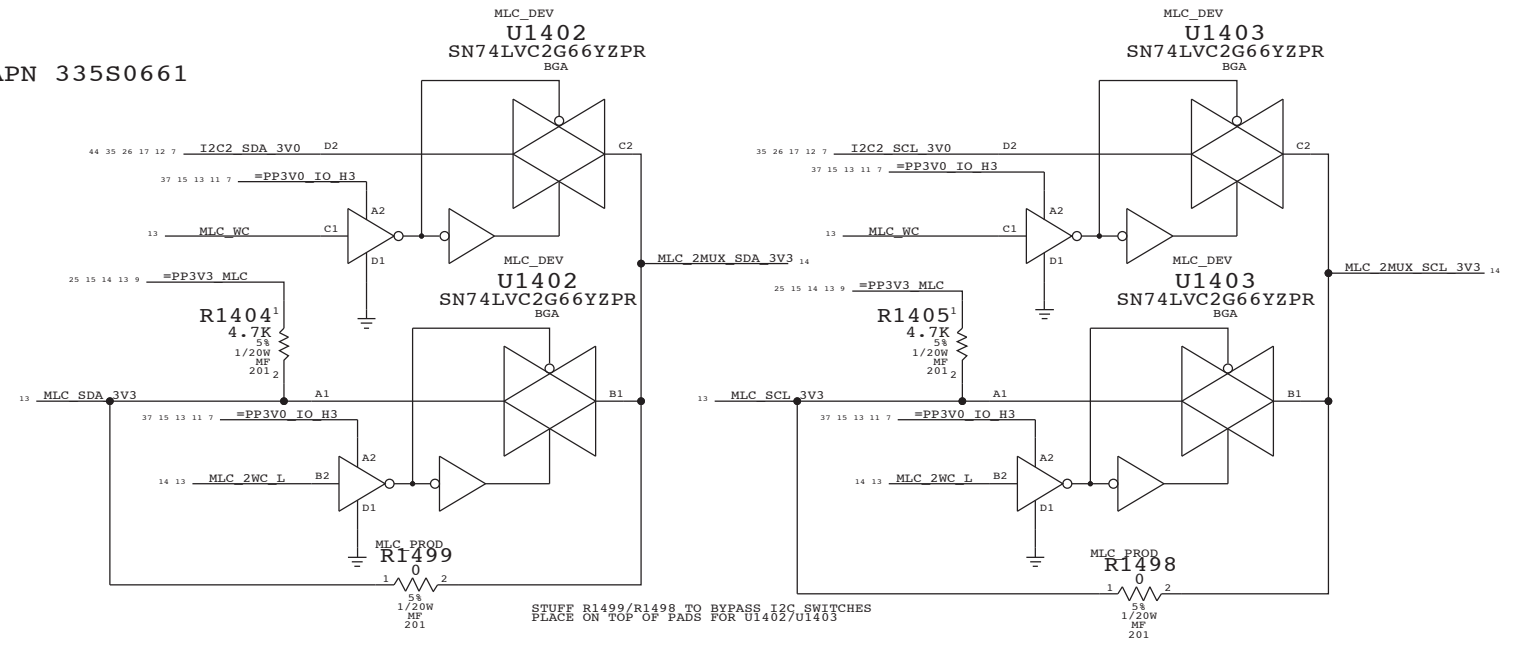
SYNC MASTER=JAMES		SYNC DATE=12/21/2009	
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AP MISC & ALIASES			
Apple Inc.		DRAWING NUMBER	051-8245
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		SIZE	D

MLC

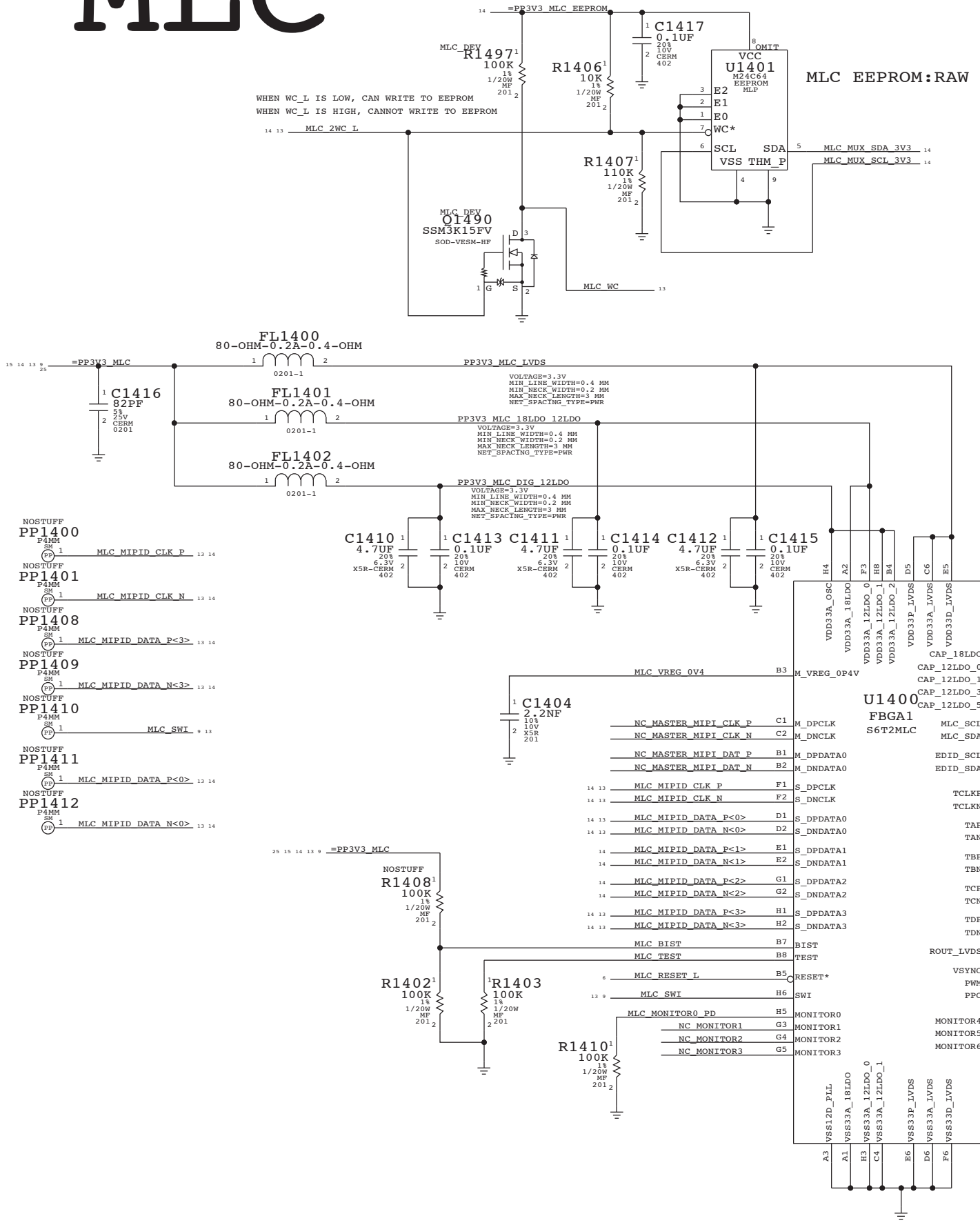
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
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34182606	1	MLC EEPROM 100MHZ LVDS,2MHZ SW	U1401	CRITICAL	100MHZ_PANEL

MLC EEPROM:RAW APN 335S0661

I2C MUXING CIRCUITRY



WC_L	SELECTED I2C
0	H3P CAN WRITE
1	MLC CAN READ




PAGE TITLE		SYNC DATE=09/16/2009	
MLC		DRAWING NUMBER	SIZE
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MLC ALIASES

```

45 9 H3 MIPID_CLK_P == MLC MIPID_CLK_P 13
45 9 H3 MIPID_CLK_N MAKE_BASE=TRUE == MLC MIPID_CLK_N 13
45 9 H3 MIPID_DATA_P<0> MAKE_BASE=TRUE == MLC MIPID_DATA_P<0> 13
45 9 H3 MIPID_DATA_N<0> MAKE_BASE=TRUE == MLC MIPID_DATA_N<0> 13
45 9 H3 MIPID_DATA_P<1> MAKE_BASE=TRUE == MLC MIPID_DATA_P<1> 13
45 9 H3 MIPID_DATA_N<1> MAKE_BASE=TRUE == MLC MIPID_DATA_N<1> 13
45 9 H3 MIPID_DATA_P<2> MAKE_BASE=TRUE == MLC MIPID_DATA_P<2> 13
45 9 H3 MIPID_DATA_N<2> MAKE_BASE=TRUE == MLC MIPID_DATA_N<2> 13
45 9 H3 MIPID_DATA_P<3> MAKE_BASE=TRUE == MLC MIPID_DATA_P<3> 13
45 9 H3 MIPID_DATA_N<3> MAKE_BASE=TRUE == MLC MIPID_DATA_N<3> 13

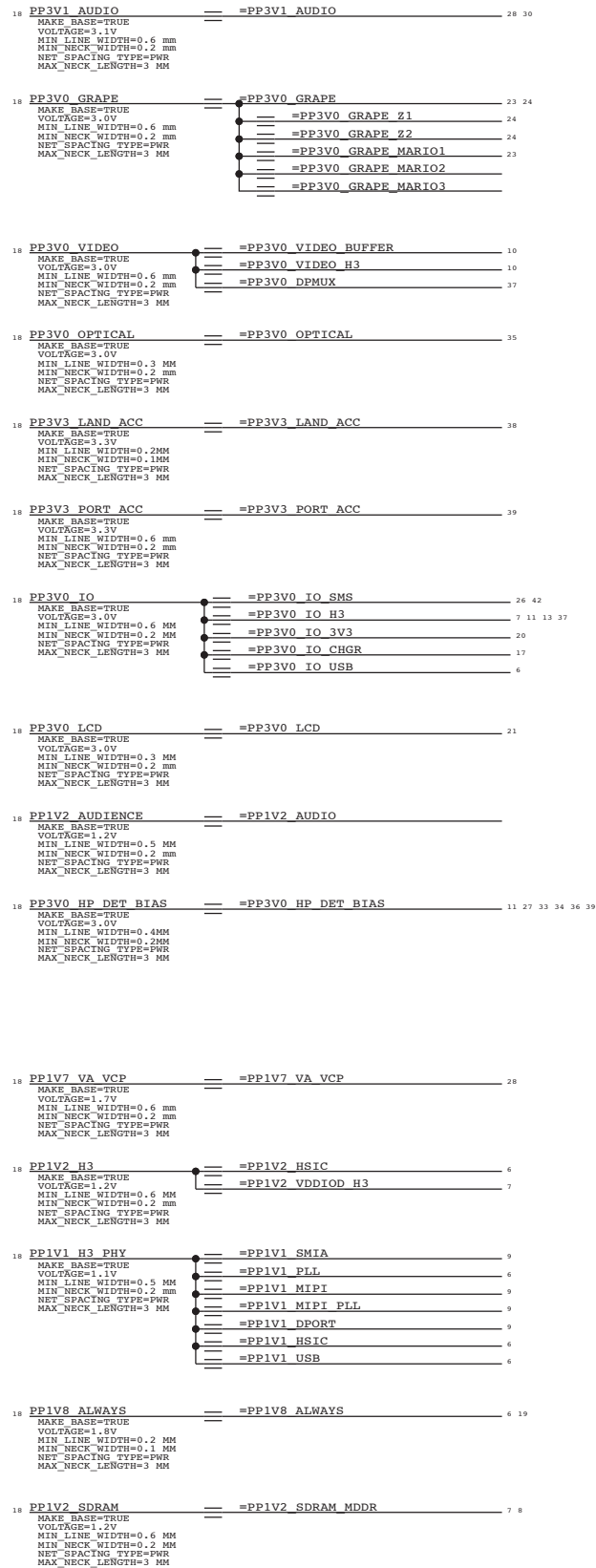
13 MLC_MUX_SDA_3V3 == MLC_2MUX_SDA_3V3 13
13 MLC_MUX_SCL_3V3 MAKE_BASE=TRUE == MLC_2MUX_SCL_3V3 13
13 MLC_2WC_L MAKE_BASE=TRUE == MLC_WC_L 7
13 =PP3V3_MLC_EEPROM MAKE_BASE=TRUE == =PP3V3_MLC 9 13 15 25
    
```

SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
PAGE TITLE			
MLC ALIASES			
 Apple Inc.	DRAWING NUMBER	051-8245	SIZE D
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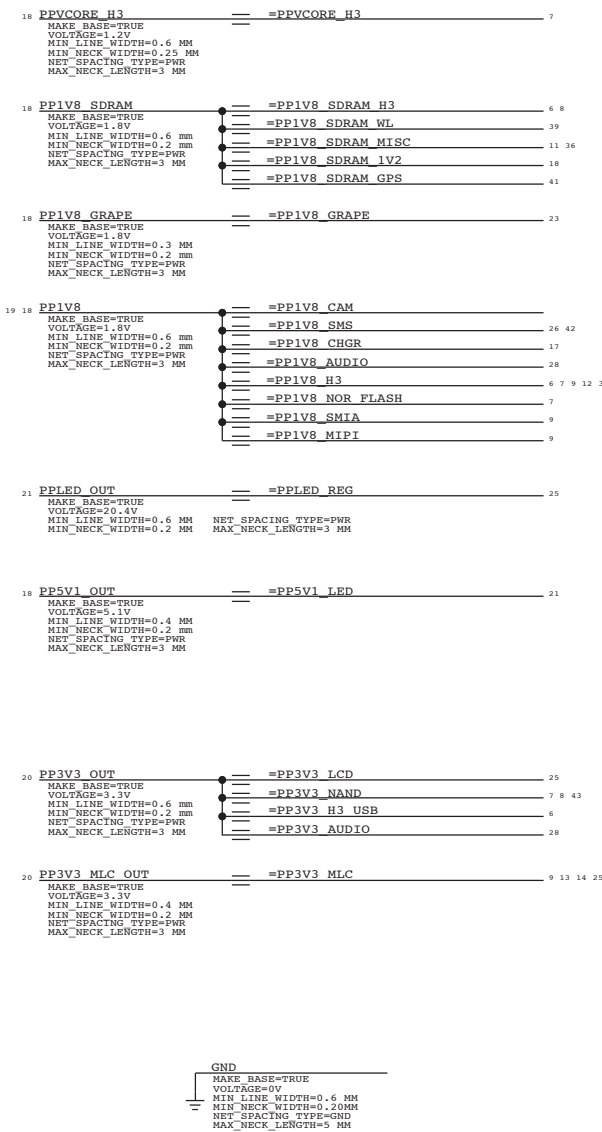
POWER CONN / ALIAS

LDO RAILS

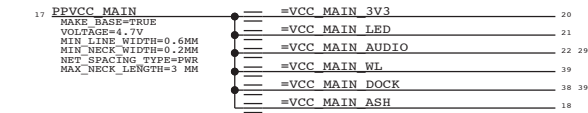
PROGRAMMABLE ON/OFF



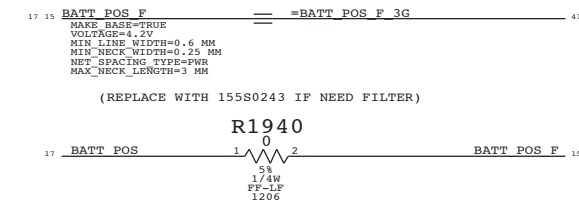
BUCK RAILS



CHARGER MAIN



BATTERY



SYNC MASTER=MARK		SYNC DATE=12/04/2009	
Power Conn / Alias			
DRAWING NUMBER		SIZE	
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PAGE		SHEET	
17 OF 119		15 OF 53	

DCIN POWER PATH

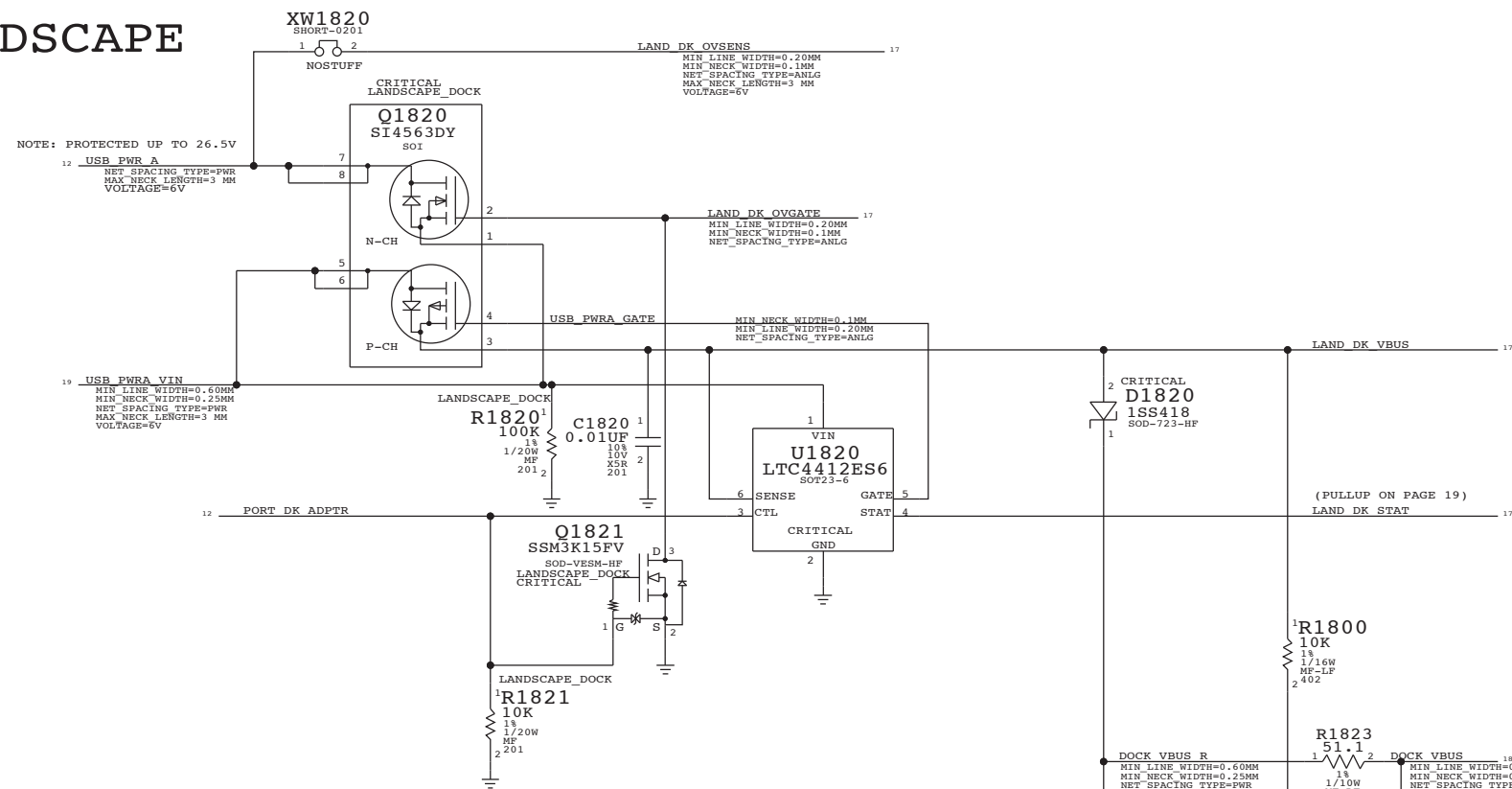
SO-8 DUAL P/N FETS

MOSFET	SI4563DY
CHANNEL	N-TYPE
RDS(ON)	15 MOHM @4.5V
IMAX	8 A
VGS MAX	+/- 16V

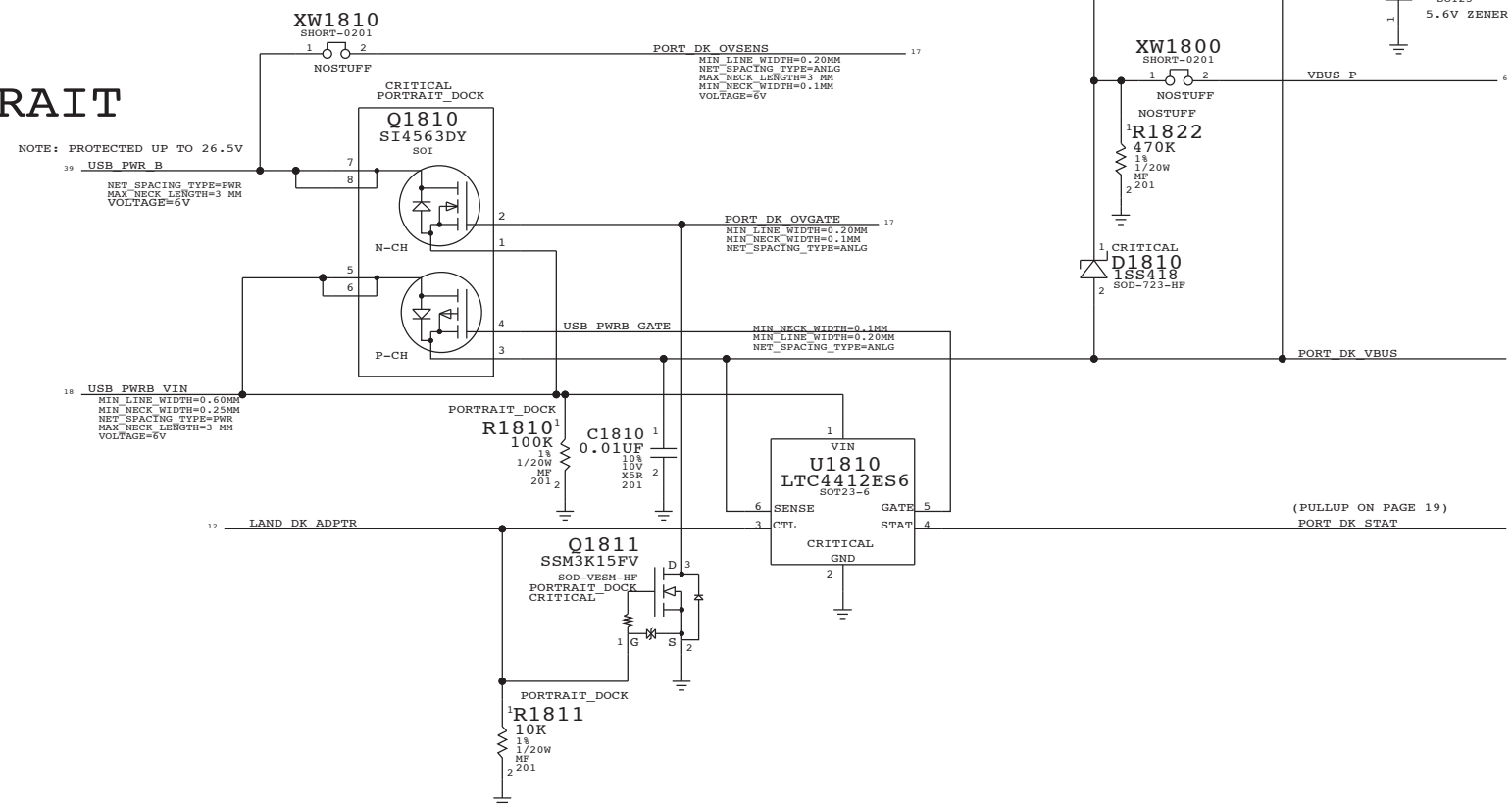
SO-8 DUAL P/N FETS

MOSFET	SI4563DY
CHANNEL	P-TYPE
RDS(ON)	25 MOHM @-4.5V
IMAX	8 A
VGS MAX	+/- 16V

LANDSCAPE



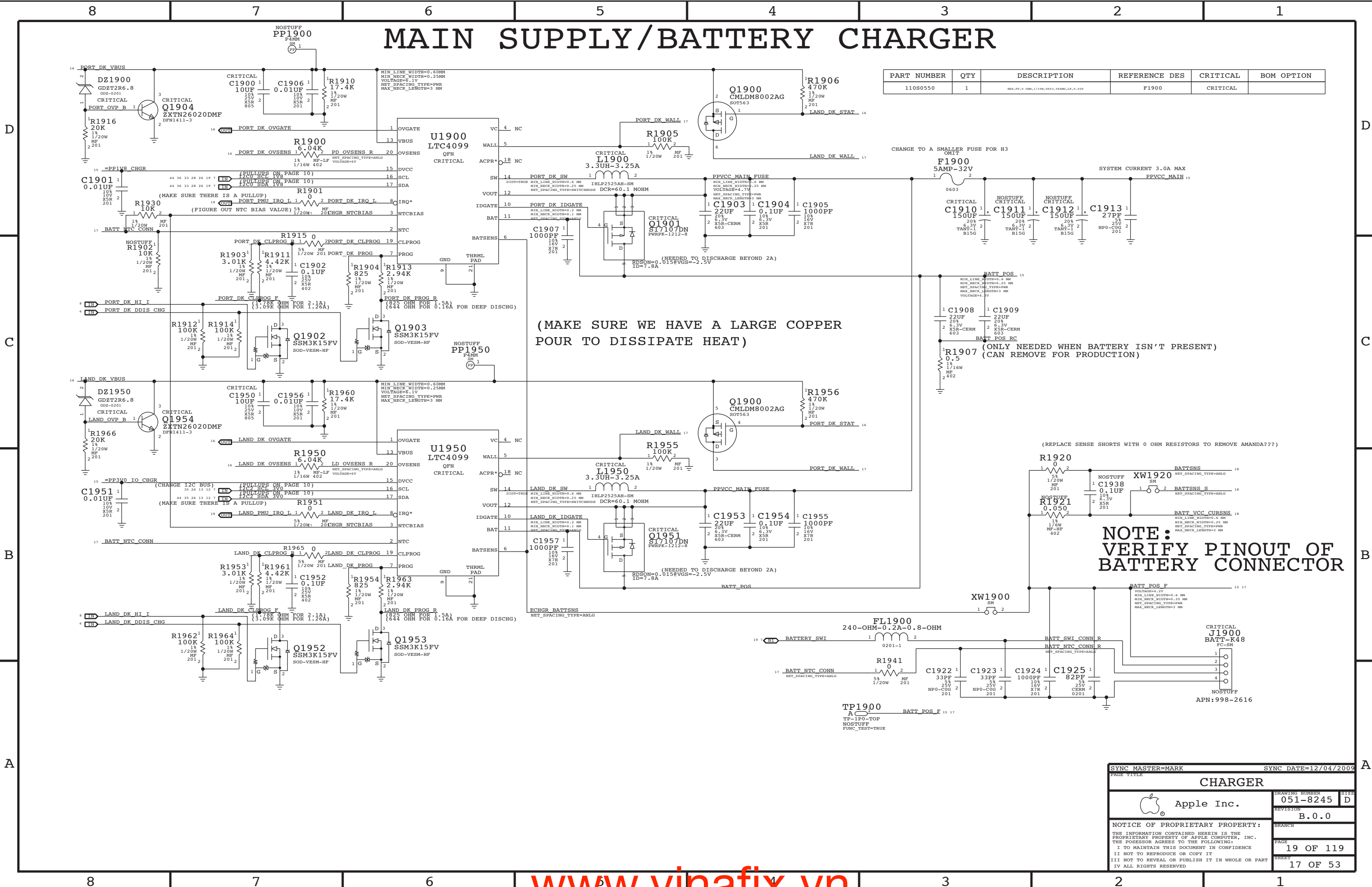
PORTRAIT

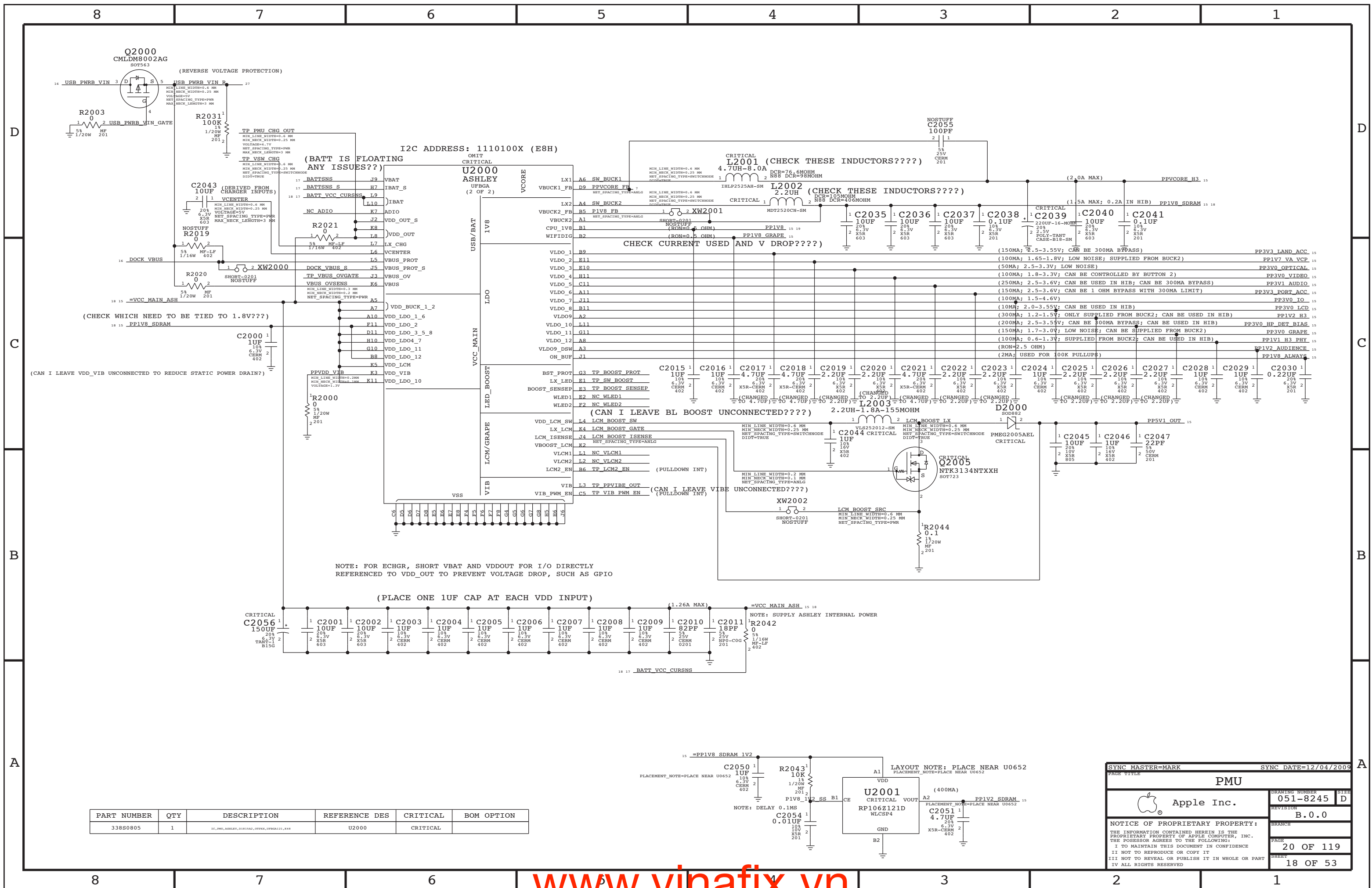


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DCIN POWER PATH			
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SHEET		16 OF 53	

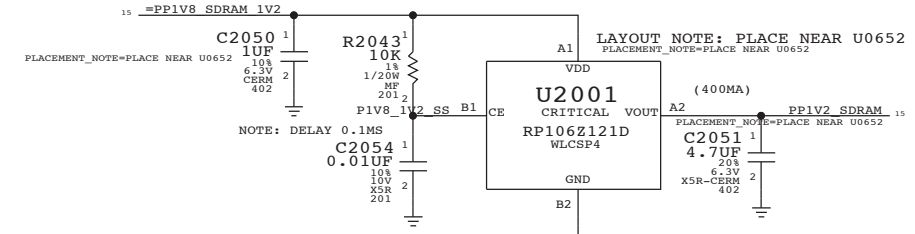
MAIN SUPPLY/BATTERY CHARGER

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
11080550	1	REG.PP,0 OHM,1/10W,003,19380,LF,0.020	F1900	CRITICAL	

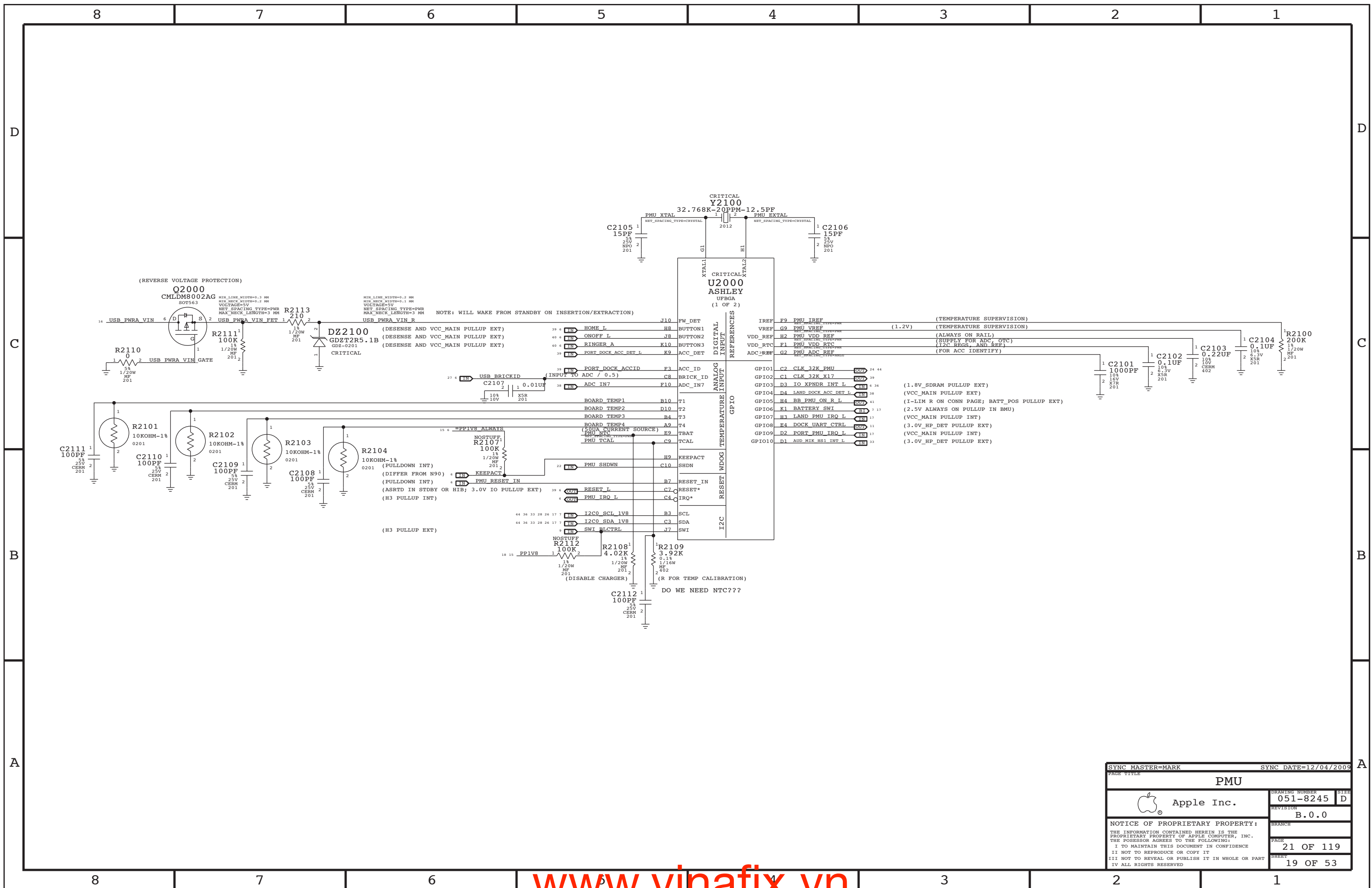




PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
33880805	1	IC, PMU, ASHLEY, U2000, 0909, U2000A121, K48	U2000	CRITICAL	

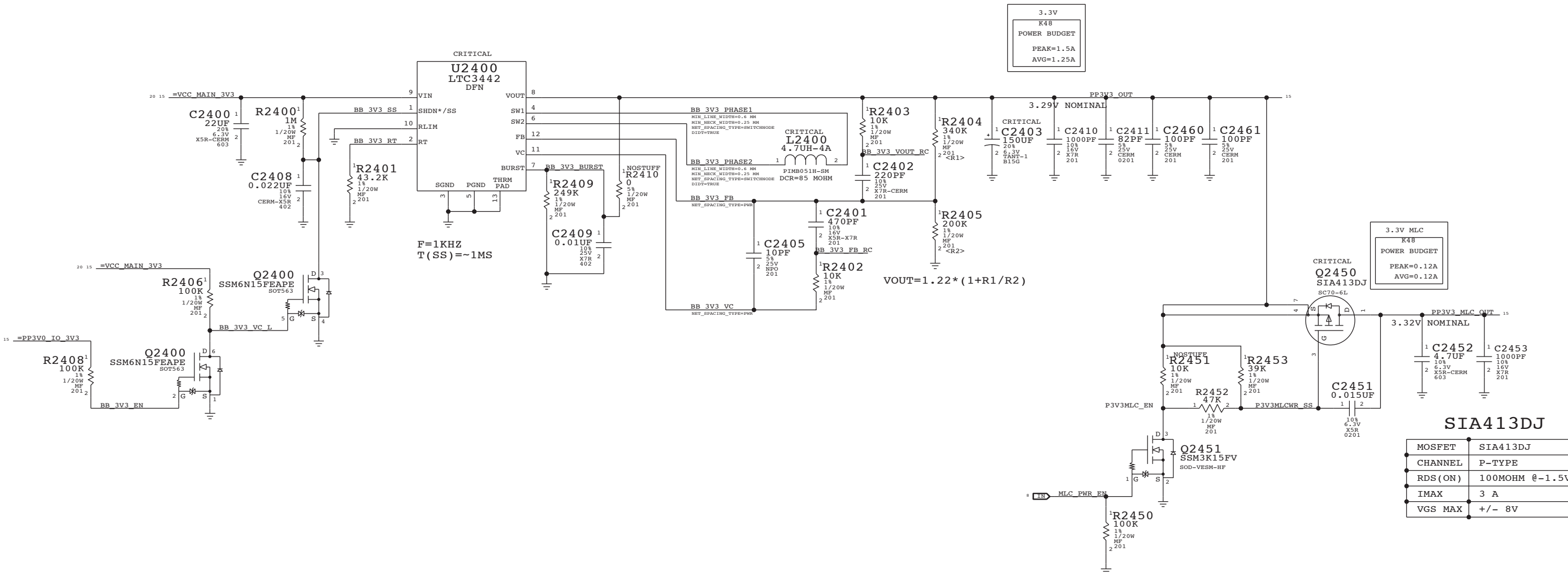


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		REVISION	B.0.0
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		SIZE	D



SYNC MASTER=MARK		SYNC DATE=12/04/2009	
PMU			
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		PAGE	21 OF 119
		SHEET	19 OF 53

3.3V SUPPLY



3.3V
K48
POWER BUDGET
PEAK=1.5A
AVG=1.25A

3.3V MLC
K48
POWER BUDGET
PEAK=0.12A
AVG=0.12A

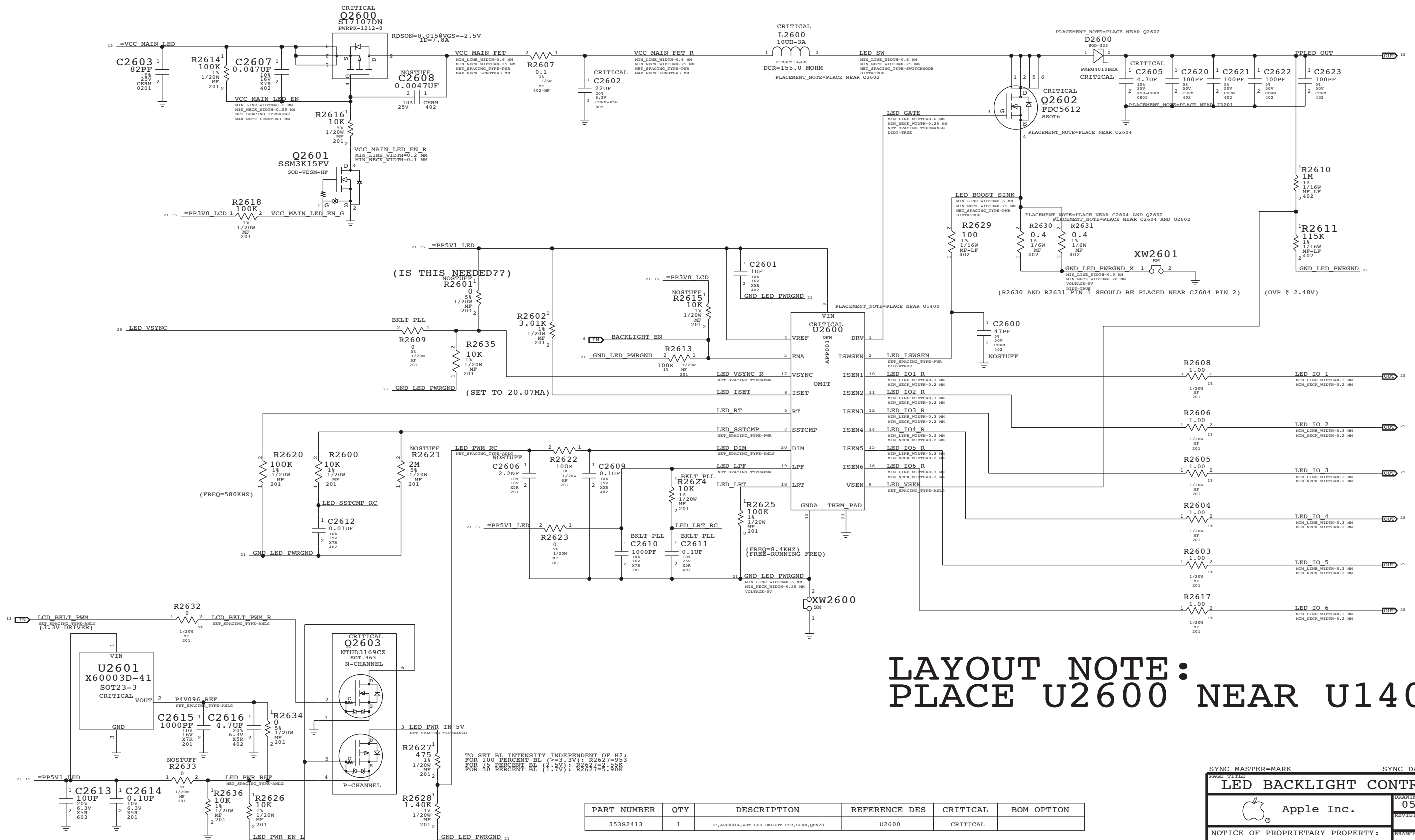
SIA413DJ

MOSFET	SIA413DJ
CHANNEL	P-TYPE
RDS (ON)	100MOHM @-1.5V
IMAX	3 A
VGS MAX	+/- 8V

SYNC MASTER=MARK SYNC DATE=12/04/2009

PAGE TITLE 3.3V SUPPLY		DRAWING NUMBER 051-8245	SIZE D
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LED BOOST/BACKLIGHT CONTROLLER

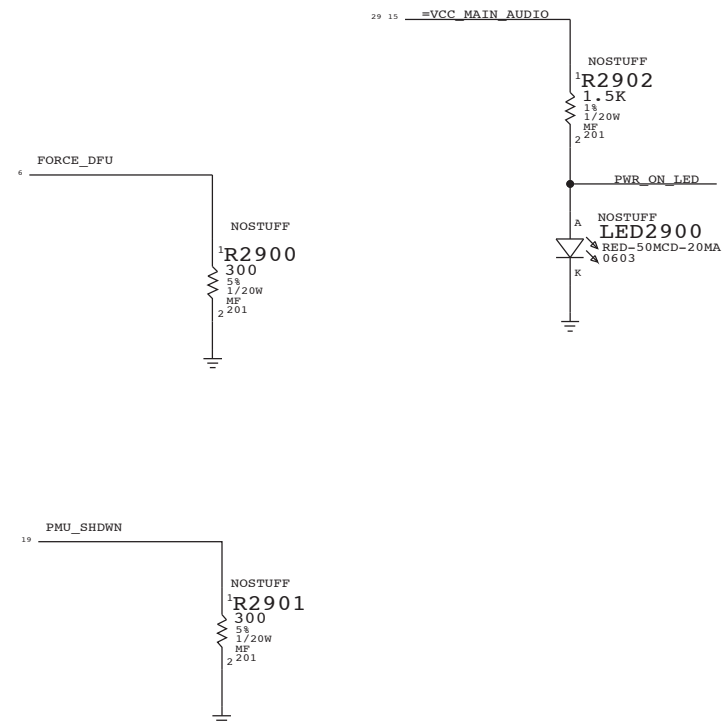


LAYOUT NOTE:
PLACE U2600 NEAR U1400

PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
353S2413	1	IC,APP001A,MFT LED BKLGHT CTR,SCRH,OPR20	U2600	CRITICAL	

PAGE TITLE		SYNC DATE=12/04/2009	
LED BACKLIGHT CONTROLLER			
DRAWING NUMBER		051-8245	
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DEBUG RESET ACCESS



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DEBUG RESET ACCESS		051-8245		D
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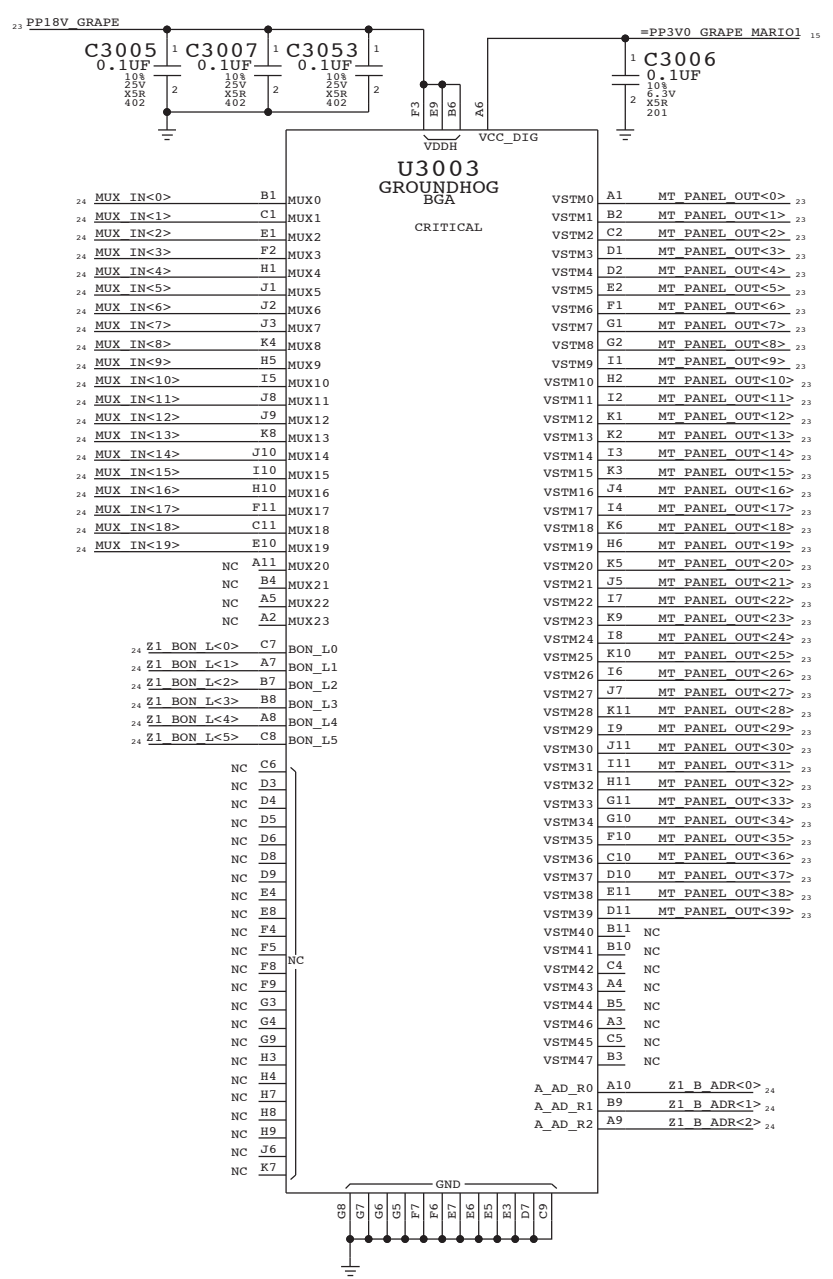
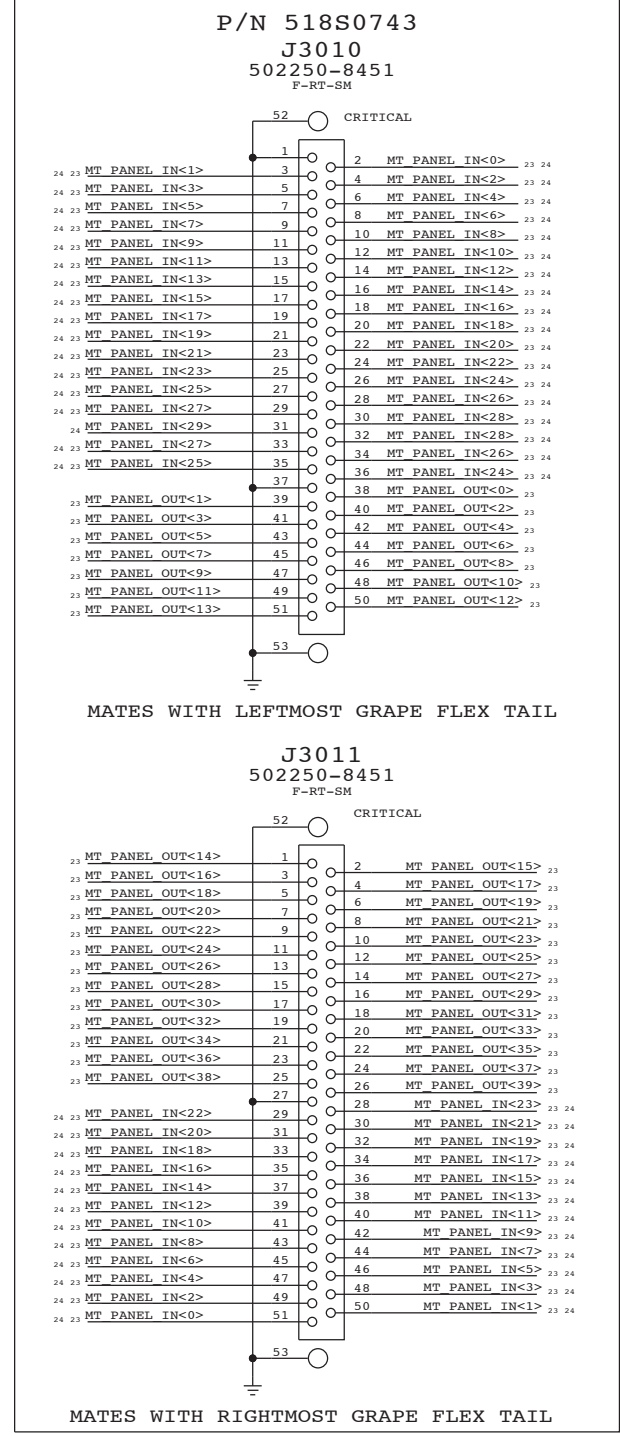
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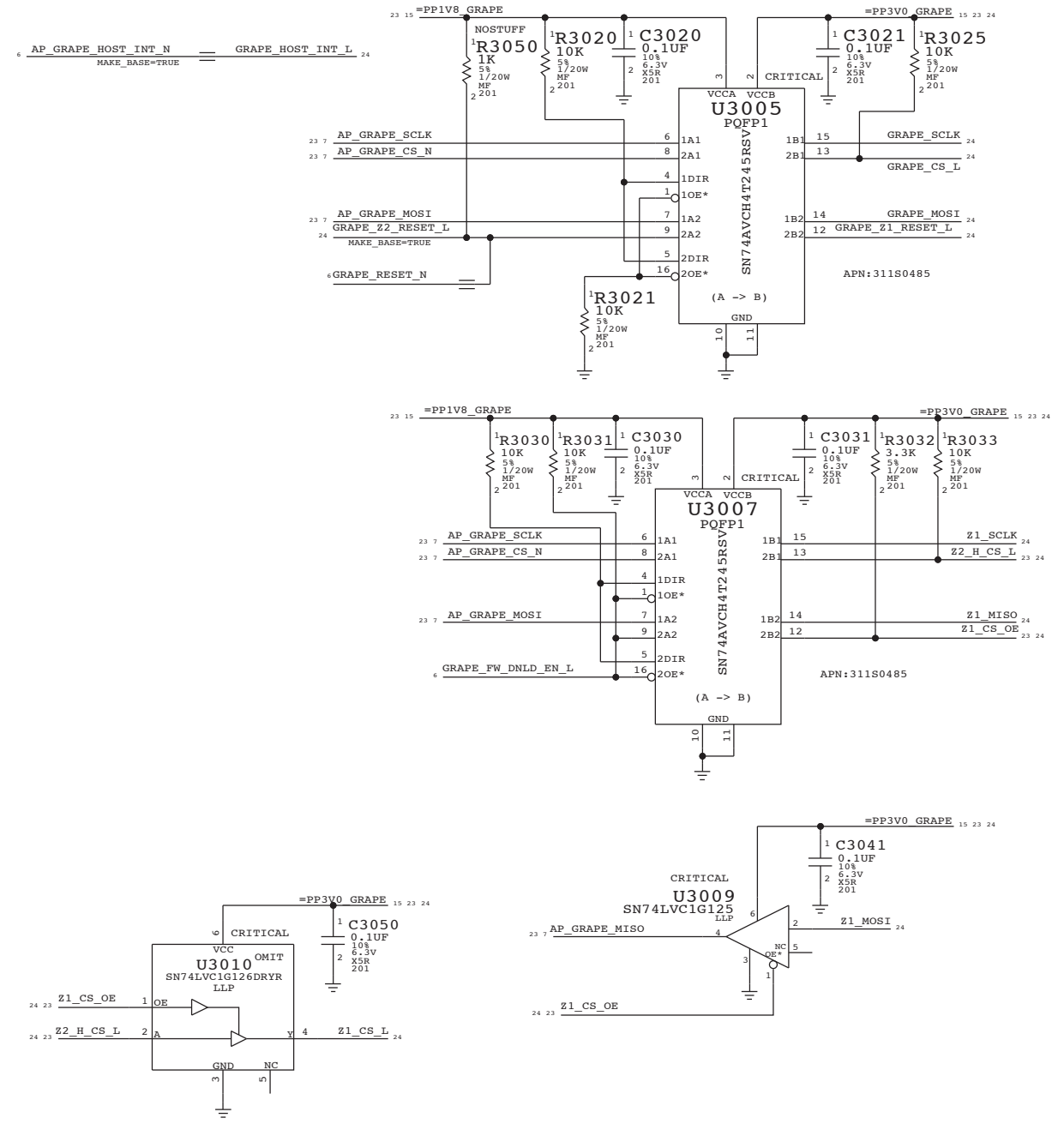
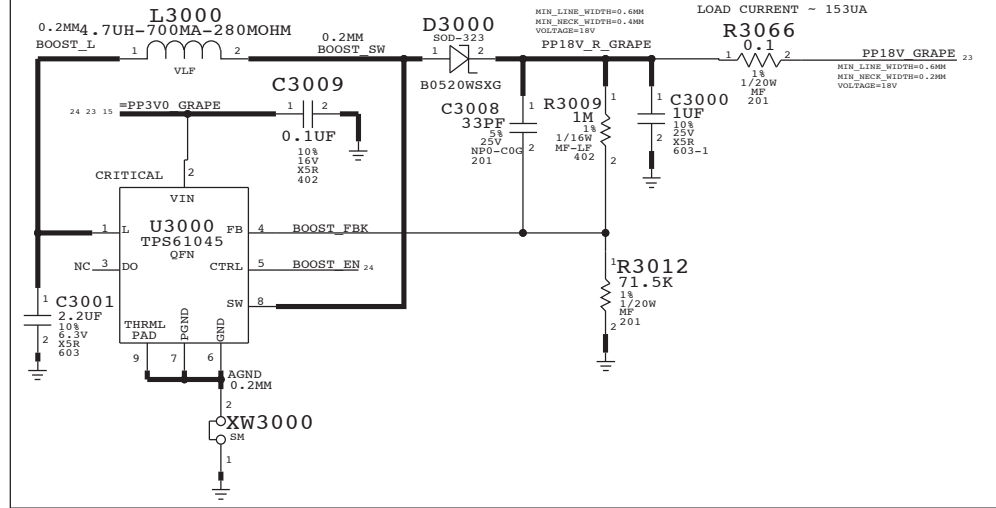
A

A

CONNECTORS TO GRAPE FLEX



BOOST CONVERTOR



PART NUMBER	QTY	DESCRIPTION	REFERENCE DES	CRITICAL	BOM OPTION
311S0506	1	IC, SNGL 3-STATE BUFFER, 5-PIN, DRY	U3010	CRITICAL	

SYNC MASTER=JAMES SYNC DATE=12/21/2009

GRAPE 1 OF 2

Apple Inc.

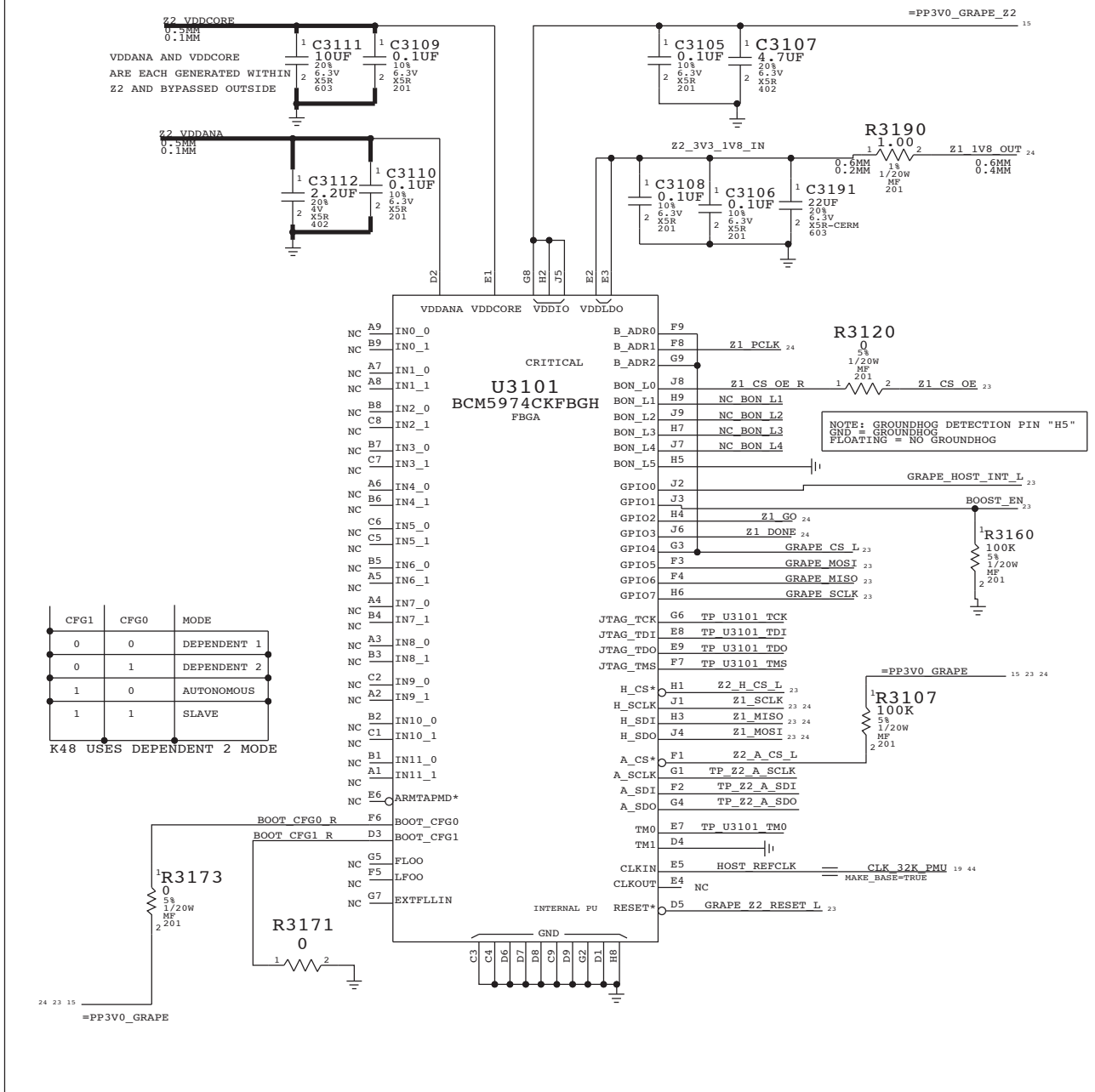
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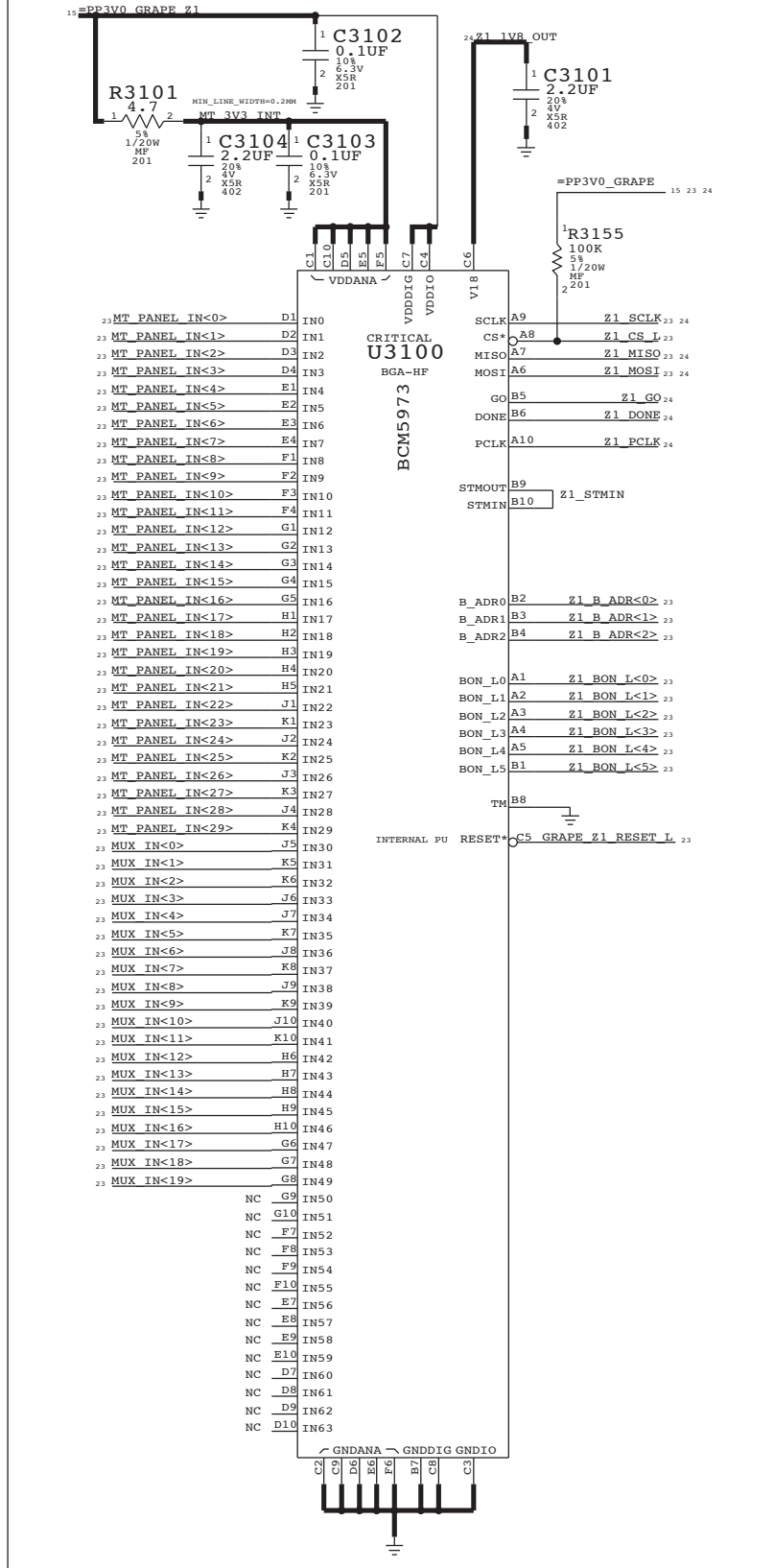
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ARM9 MCU (Z2 BASED)



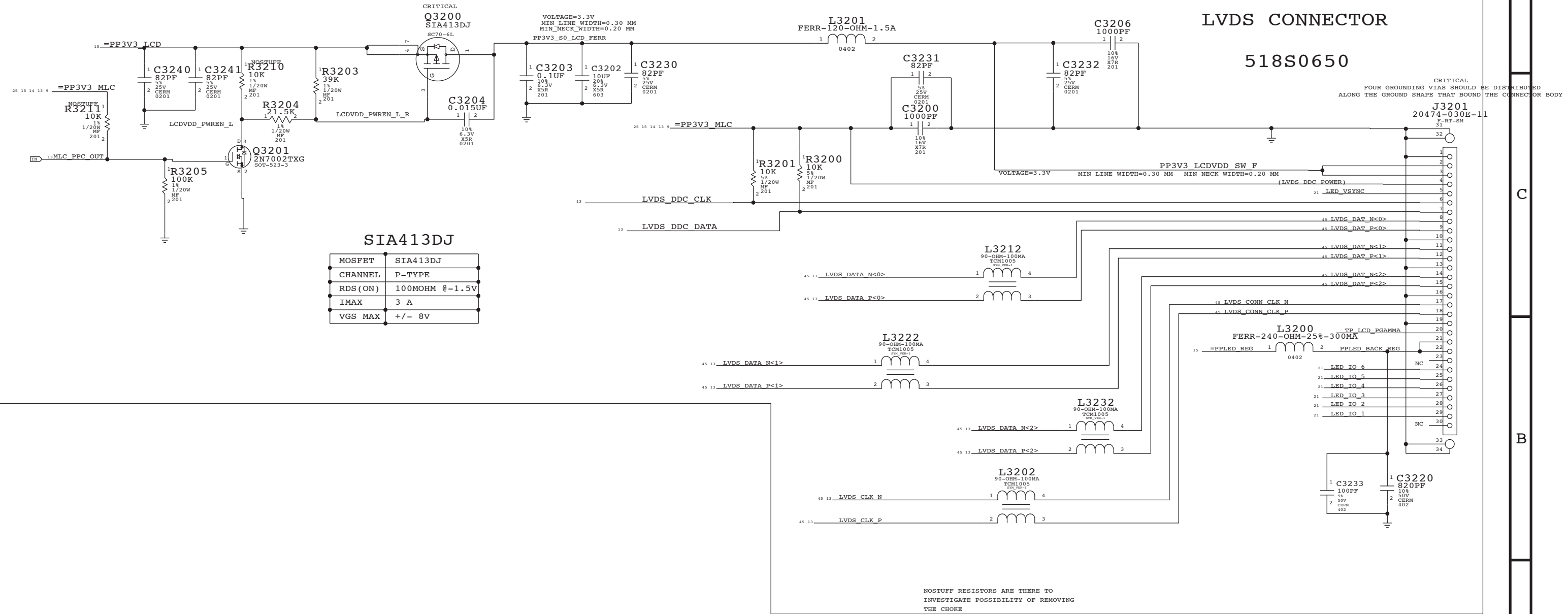
ZEPHYR 1+ ASIC



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GRAPE 2 OF 2		051-8245		D
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LVDS CONNECTOR

SIMILAR TO M97



SIA413DJ

MOSFET	SIA413DJ
CHANNEL	P-TYPE
RDS (ON)	100MOHM @-1.5V
IMAX	3 A
VGS MAX	+/- 8V

LVDS CONNECTOR 518S0650

CRITICAL
FOUR GROUNDING VIAS SHOULD BE DISTRIBUTED
ALONG THE GROUND SHAPE THAT BOUND THE CONNECTOR BODY

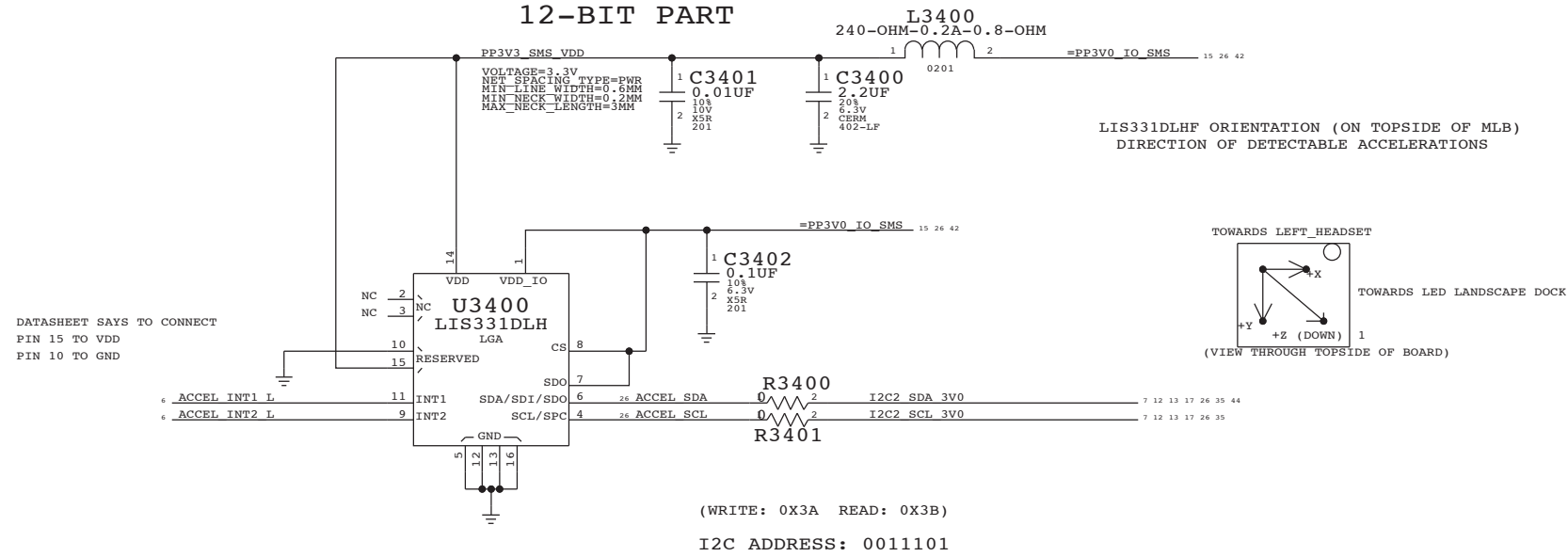
J3201
20474-030E-11
F-RT-SM

SYNC MASTER=MIAMI SYNC DATE=09/16/2009

PAGE TITLE		LVDS CONNECTOR	
SHARING NUMBER		051-8245	518
REVISION		B.0.0	
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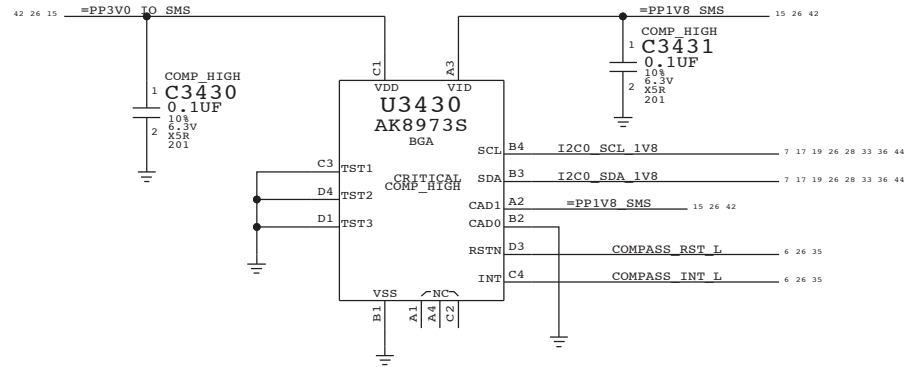
MOTION/GYRO/COMPASS SENSORS

ST MICRO LIS331DLHF MOTION SENSOR 12-BIT PART



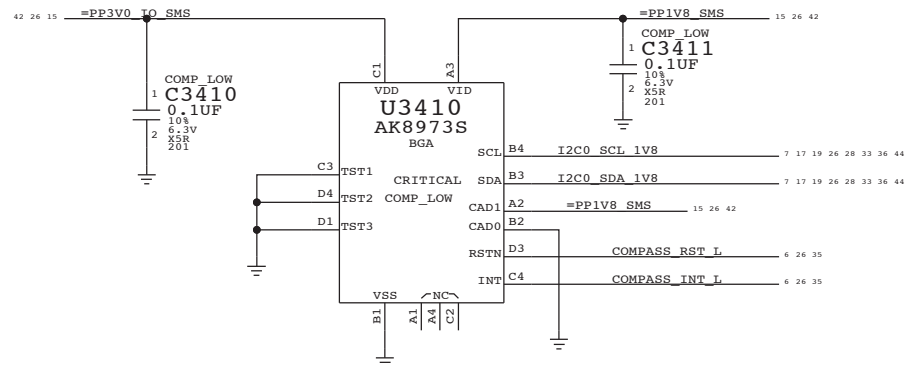
COMPASS HIGH

(HAS THERMAL SENSOR IN IT)
I2C ADDR: 0011110
WRITE: 0X3C READ: 0X3D



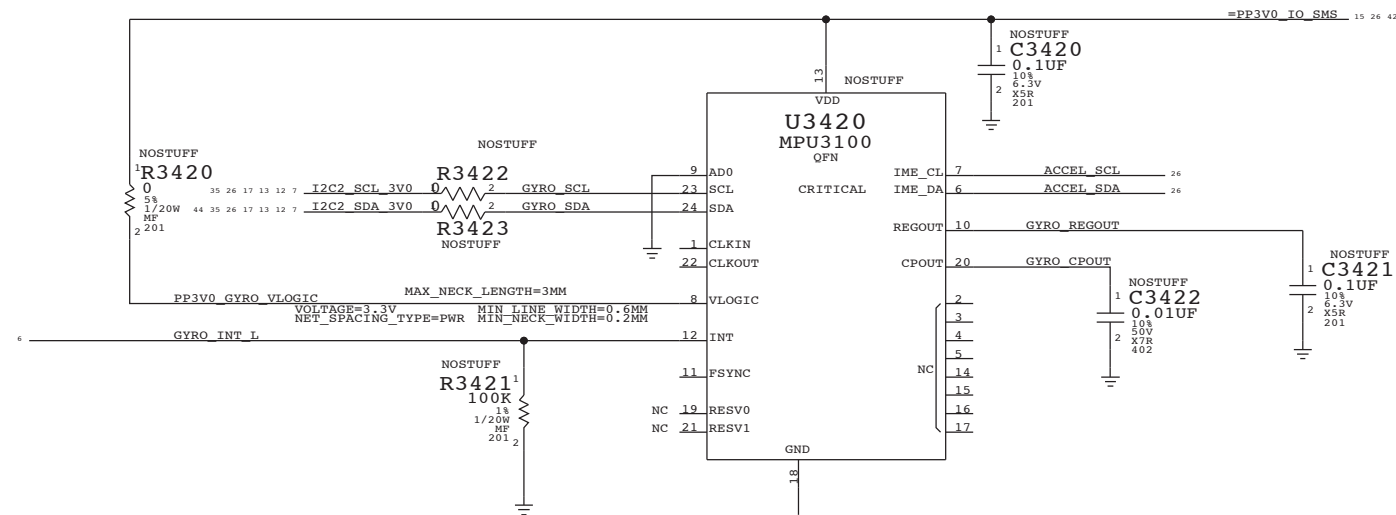
COMPASS LOW

(HAS THERMAL SENSOR IN IT)
I2C ADDR: 0011110
WRITE: 0X3C READ: 0X3D



GYRO

(WRITE: 0XD0 READ: 0XD1)
I2C ADDRESS: 1101000

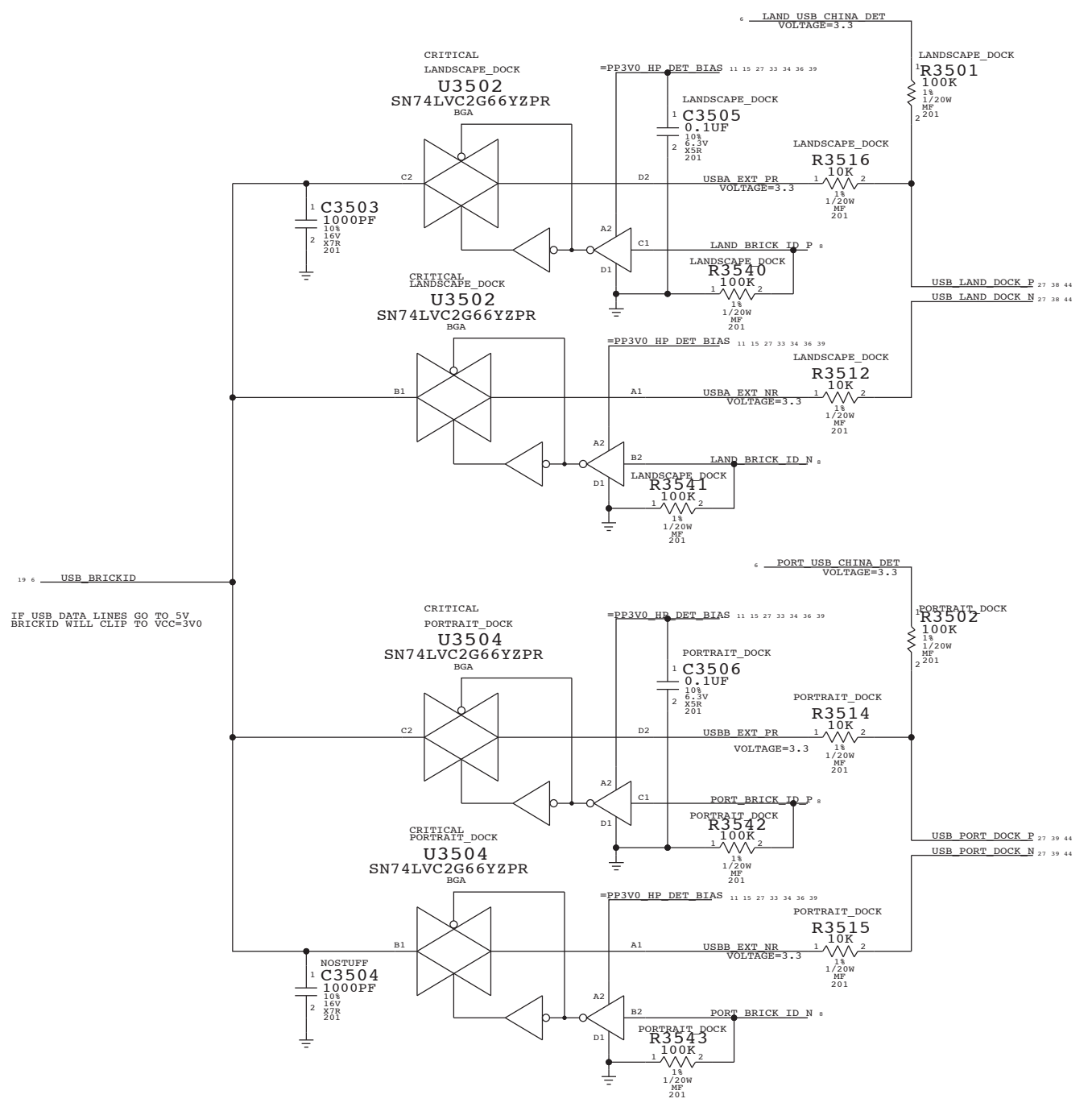


SYNC MASTER=MIAMI SYNC DATE=09/16/2009

MOTION, GYRO, COMPASS/THERM		
Apple Inc.	DRAWING NUMBER 051-8245	SIZE D
REVISION B.0.0	BRANCH	
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PAGE 34 OF 119	SHEET 26 OF 53	

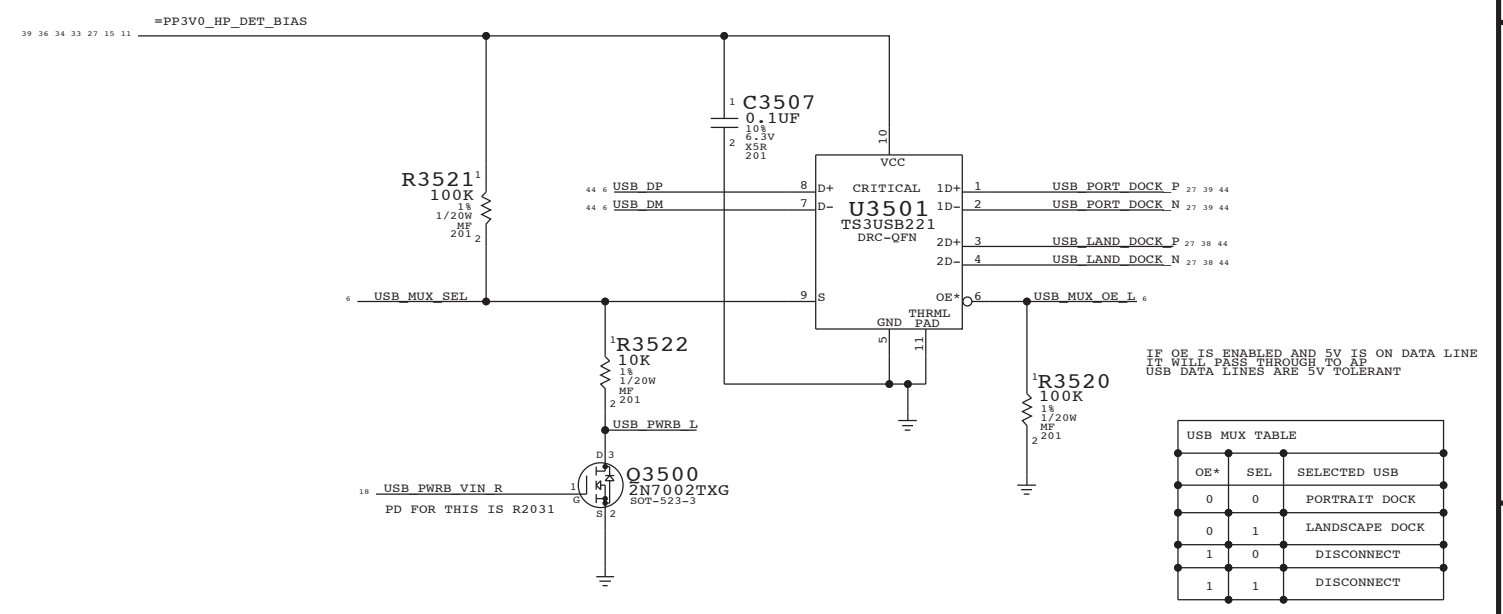
USB MUX/BRICK DETECTION

MAKE SURE RESISTORS ARE ON TOP OF TRACE TO REDUCE STUB



IF USB DATA LINES GO TO 5V BRICKID WILL CLIP TO VCC=3V0

USB MUX FOR DOCK USB



IF OE IS ENABLED AND 5V IS ON DATA LINE IT WILL PASS THROUGH TO AE USB DATA LINES ARE 5V TOLERANT

USB MUX TABLE		
OE*	SEL	SELECTED USB
0	0	PORTRAIT DOCK
0	1	LANDSCAPE DOCK
1	0	DISCONNECT
1	1	DISCONNECT

SYNC MASTER=MIAMI SYNC DATE=09/16/2009

USB MUX/BRK DET

Apple Inc.

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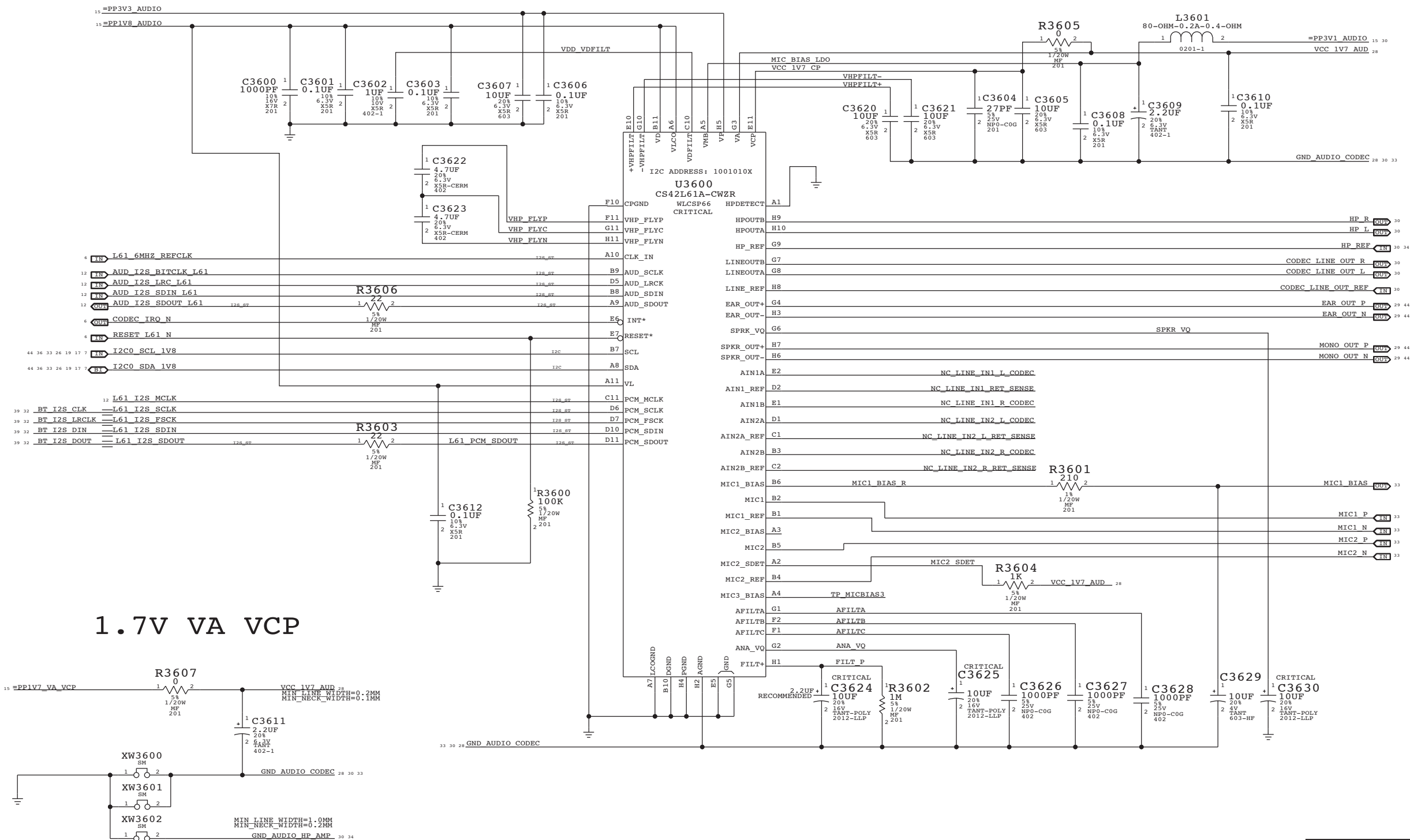
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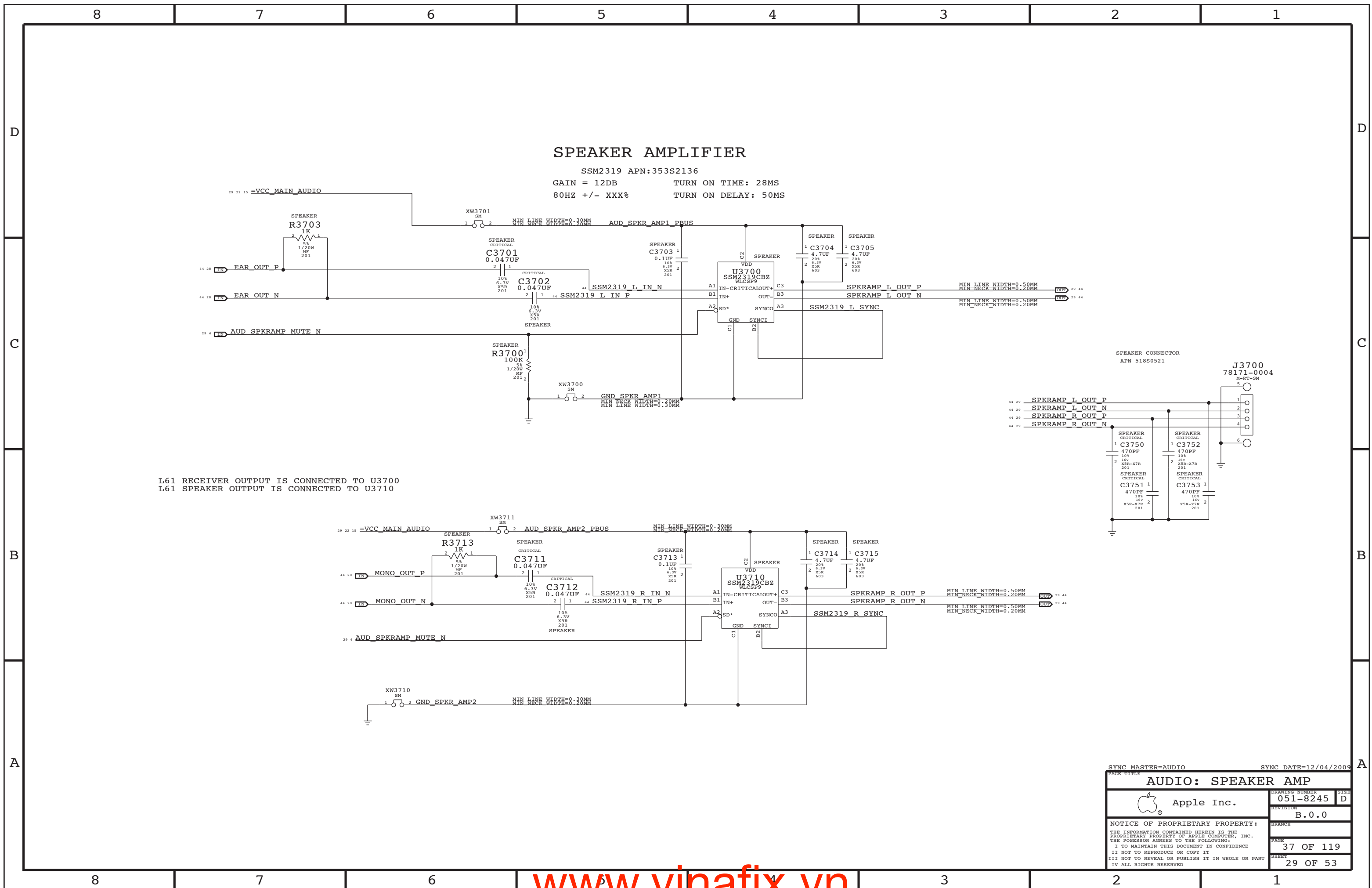
L61 AUDIO CODEC

APN:338S0589



1.7V VA VCP

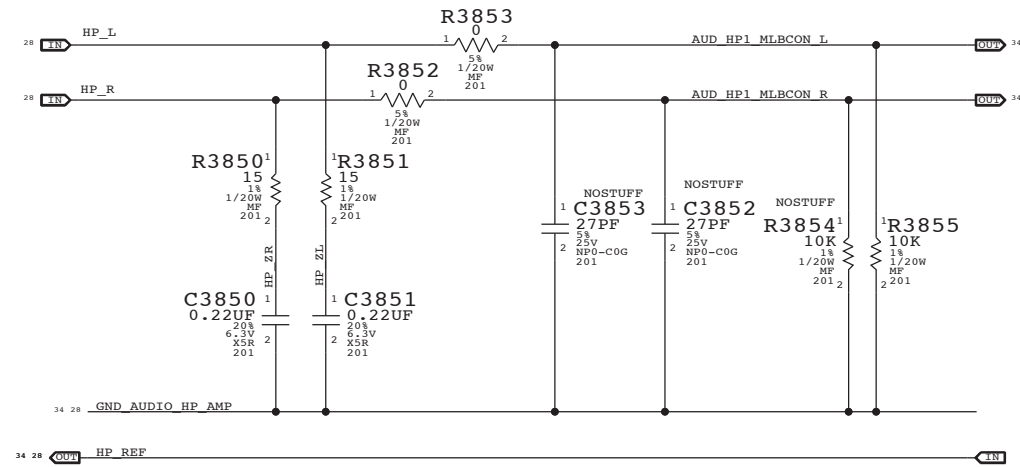
SYNC MASTER=AUDIO		SYNC DATE=12/04/2009	
PAGE TITLE			
L61 AUDIO INTERFACE			
Apple Inc.		DRAWING NUMBER	051-8245
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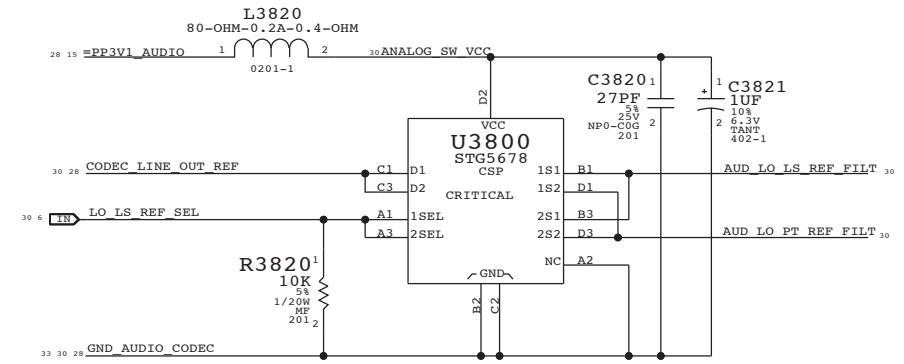
L61 RECEIVER OUTPUT IS CONNECTED TO U3700
 L61 SPEAKER OUTPUT IS CONNECTED TO U3710

PAGE TITLE		SYNC DATE=12/04/2009	
AUDIO: SPEAKER AMP			
		DRAWING NUMBER	051-8245
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		PAGE	37 OF 119
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HEADPHONE OUTPUT ZOBEL NETWORK



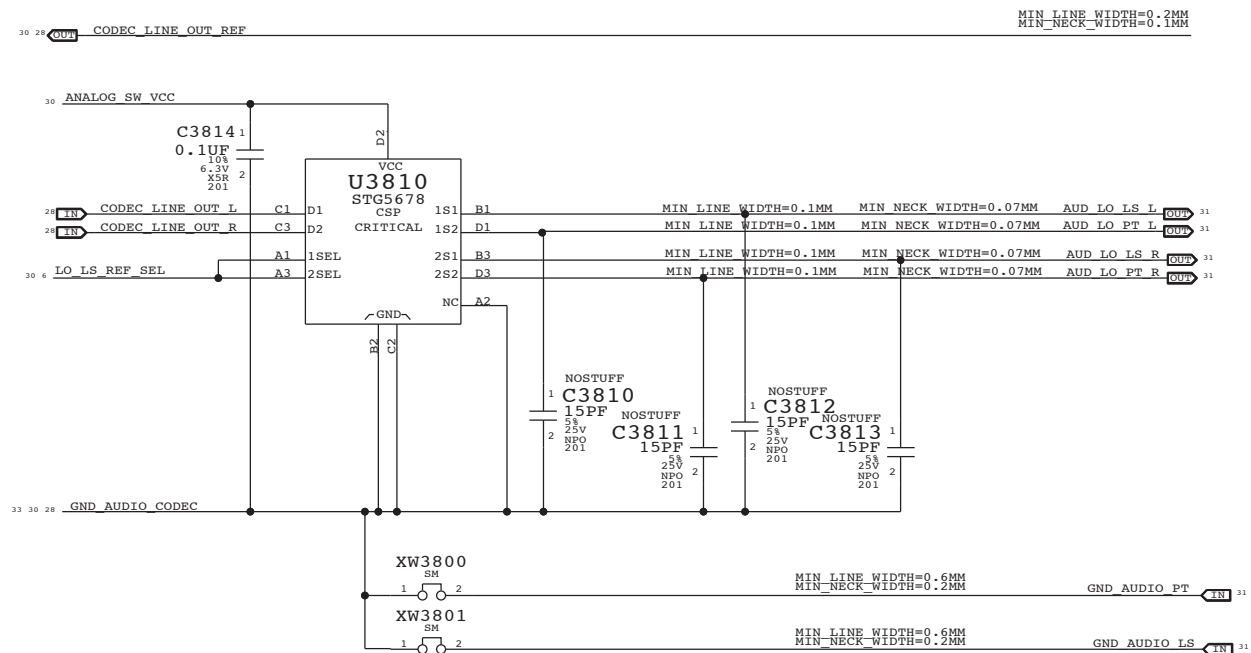
LINE OUTPUT REF SENSE DOCK SELECTOR



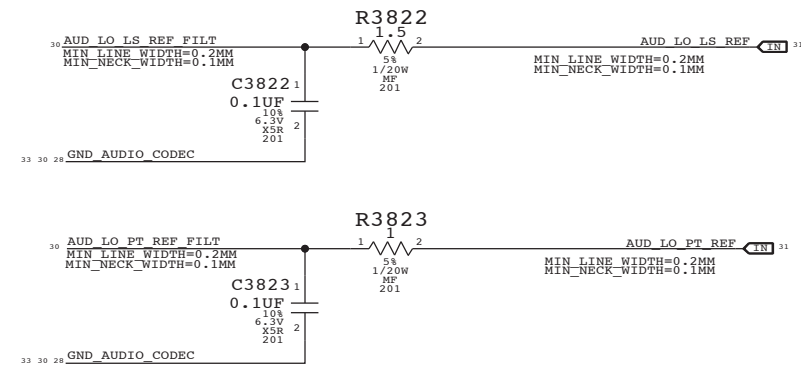
OUTPUT REF SENSE LINE SHOULD BE SWITCHED TO ACTIVE PORT
 LO_LS_REF_SEL = 0: PORTRAIT DOCK SELECTED
 LO_LS_REF_SEL = 1: LANDSCAPE DOCK SELECTED

LINE OUTPUT DOCK SELECTOR

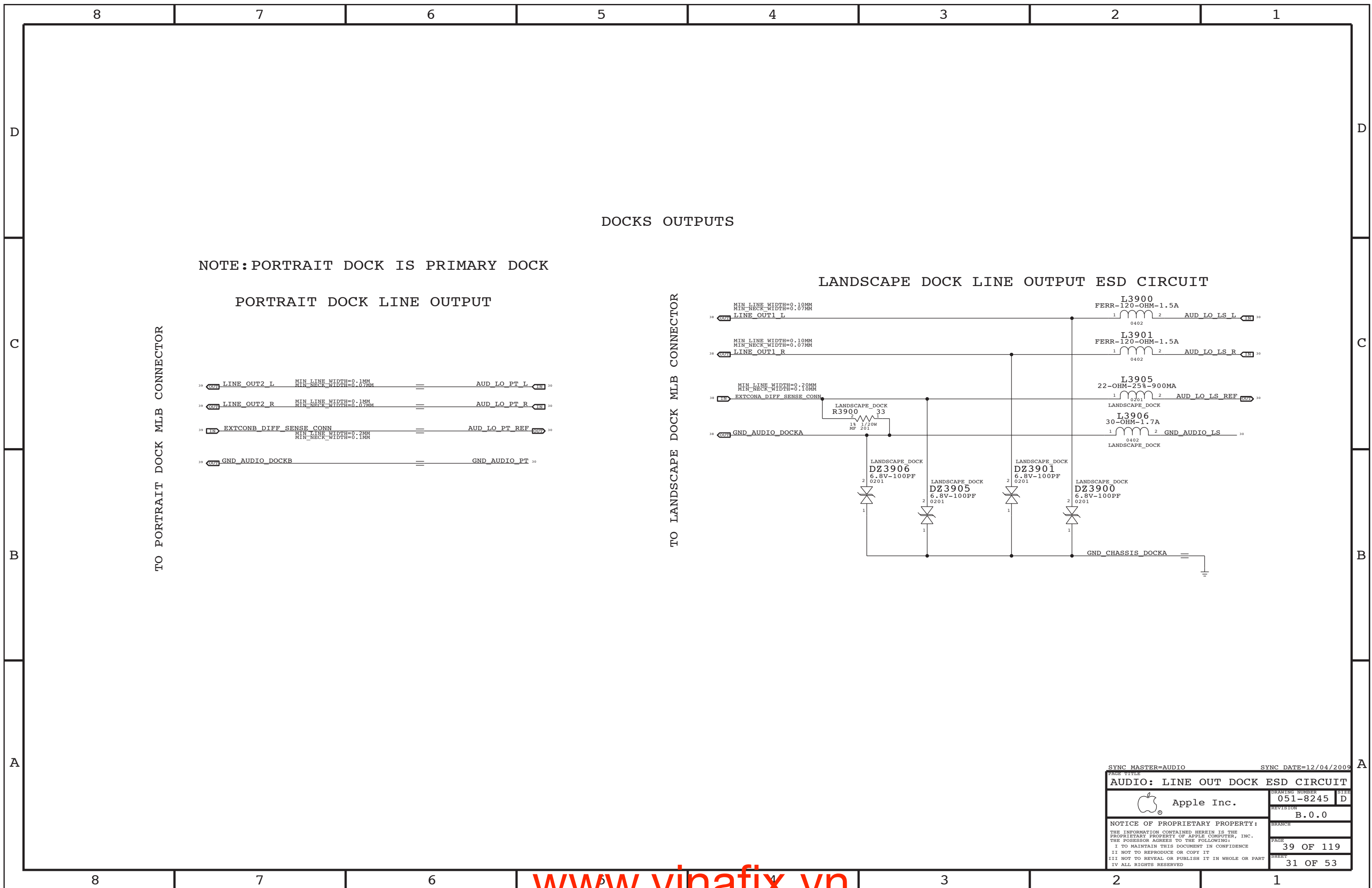
LO_LS_REF_SEL = 0: DAC OUTPUT CONNECTED TO PORTRAIT DOCK
 LO_LS_REF_SEL = 1: DAC OUTPUT CONNECTED TO LANDSCAPE DOCK



LINE OUTPUT REF SENSE FILTER



PAGE TITLE		SYNC MASTER=AUDIO		SYNC DATE=12/04/2009	
AUDIO: HEADPHONE OUT					
Apple Inc.		DRAWING NUMBER	051-8245	SIZE	D
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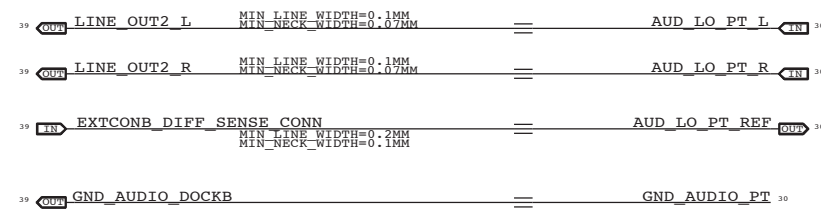


DOCKS OUTPUTS

NOTE: PORTRAIT DOCK IS PRIMARY DOCK

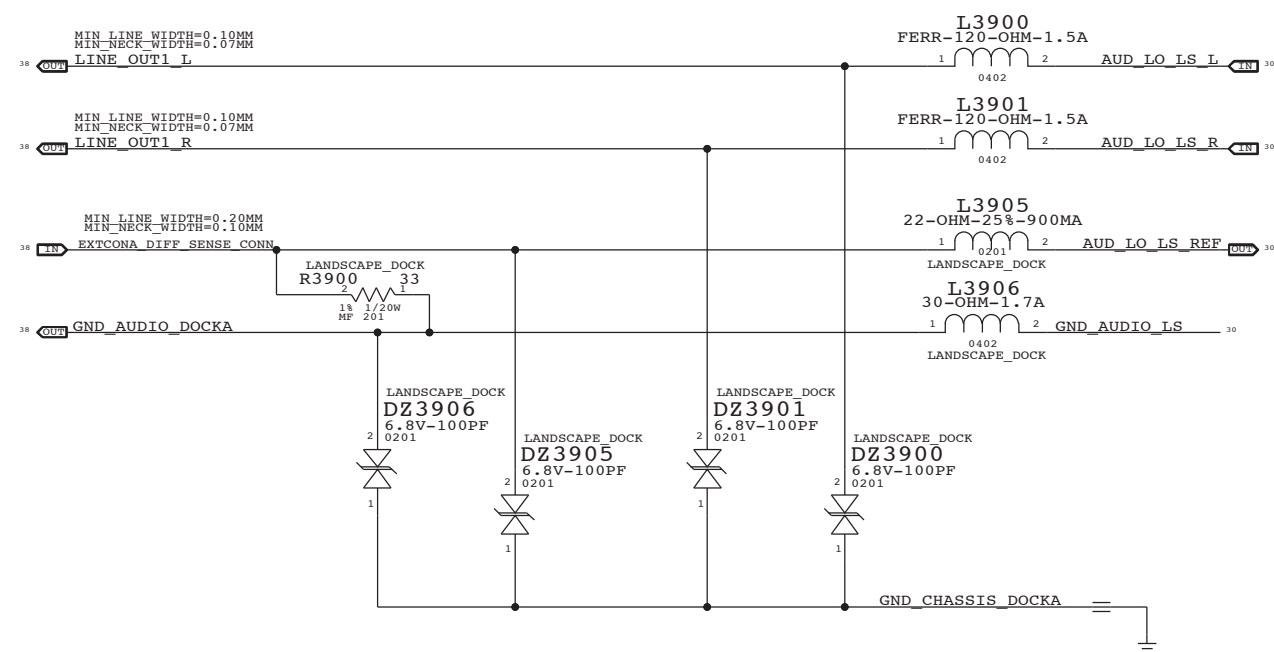
PORTRAIT DOCK LINE OUTPUT

TO PORTRAIT DOCK MLB CONNECTOR



LANDSCAPE DOCK LINE OUTPUT ESD CIRCUIT

TO LANDSCAPE DOCK MLB CONNECTOR



PAGE TITLE		SYNC DATE=12/04/2009	
AUDIO: LINE OUT DOCK ESD CIRCUIT			
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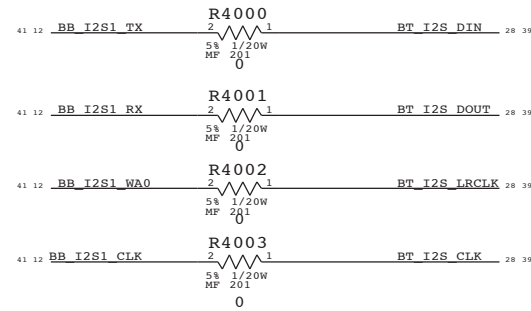
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B

A

A

AUDIENCE BYPASS SHUNTS



PAGE TITLE		SYNC MASTER=AUDIO		SYNC DATE=12/04/2009	
AUDIO: AUDIENCE					
		DRAWING NUMBER		051-8245	
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		PAGE		40 OF 119	
		SHEET		32 OF 53	
		SIZE		D	

8

7

6

5

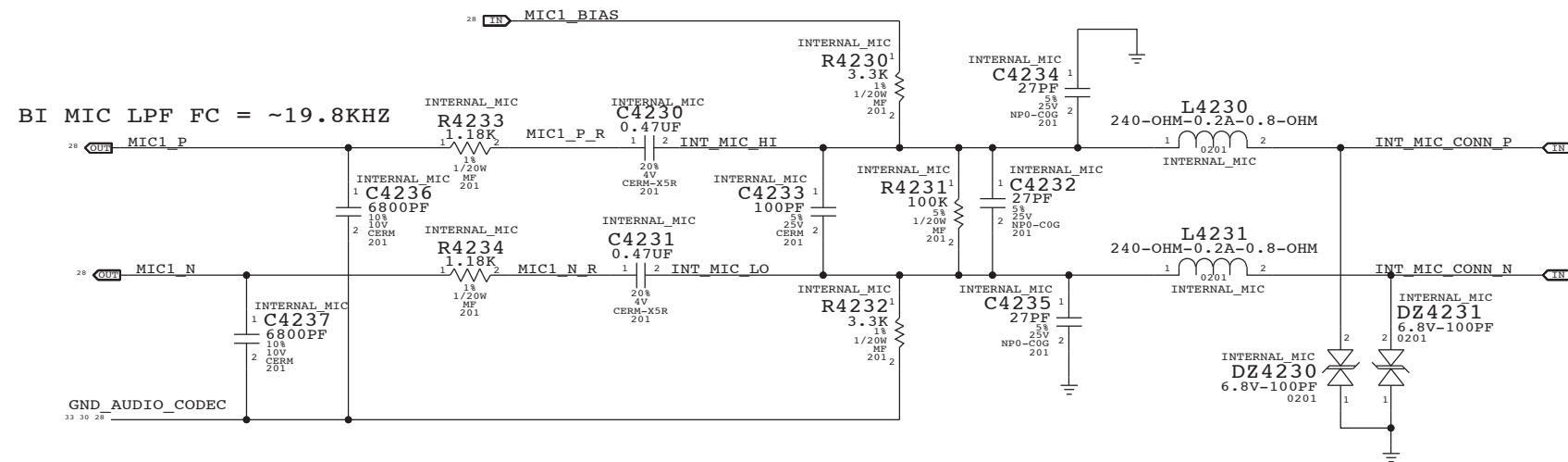
4

3

2

1

INTERNAL (BUILT-IN) ANALOG MIC BIAS & FILTER



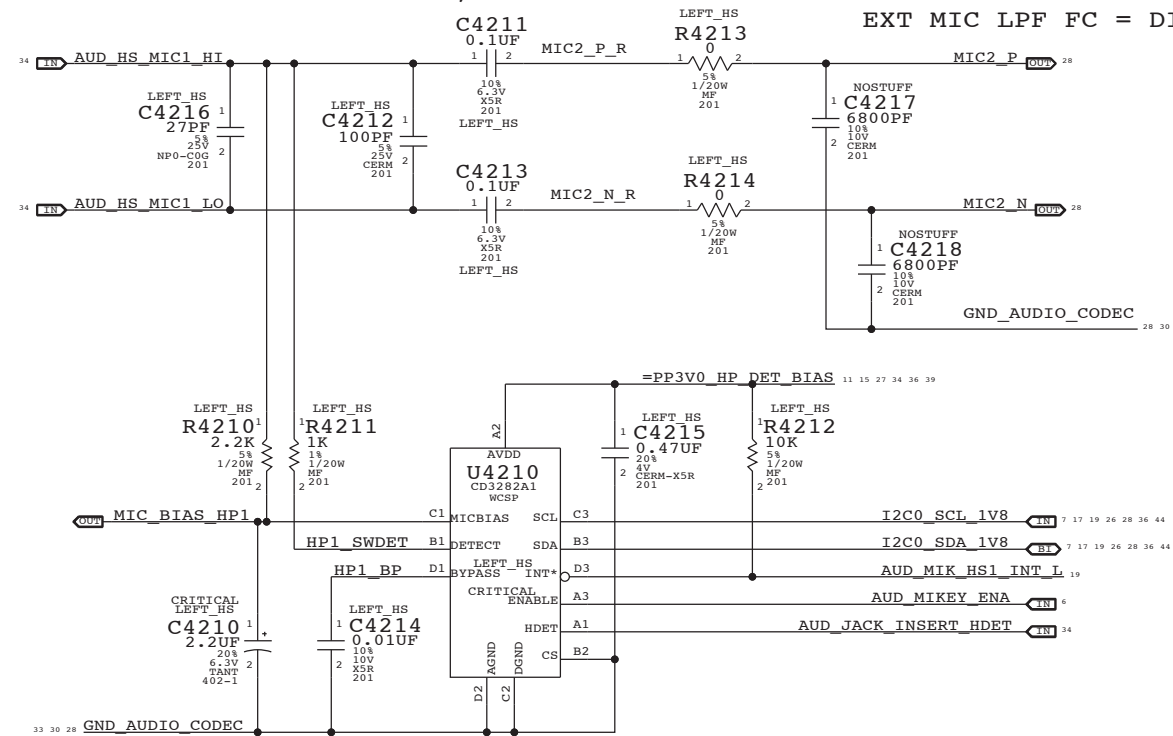
EXTERNAL MIC INPUT CIRCUITRY

APN: 353S2640

I2C ADD: READ=72H, WRITE=73H

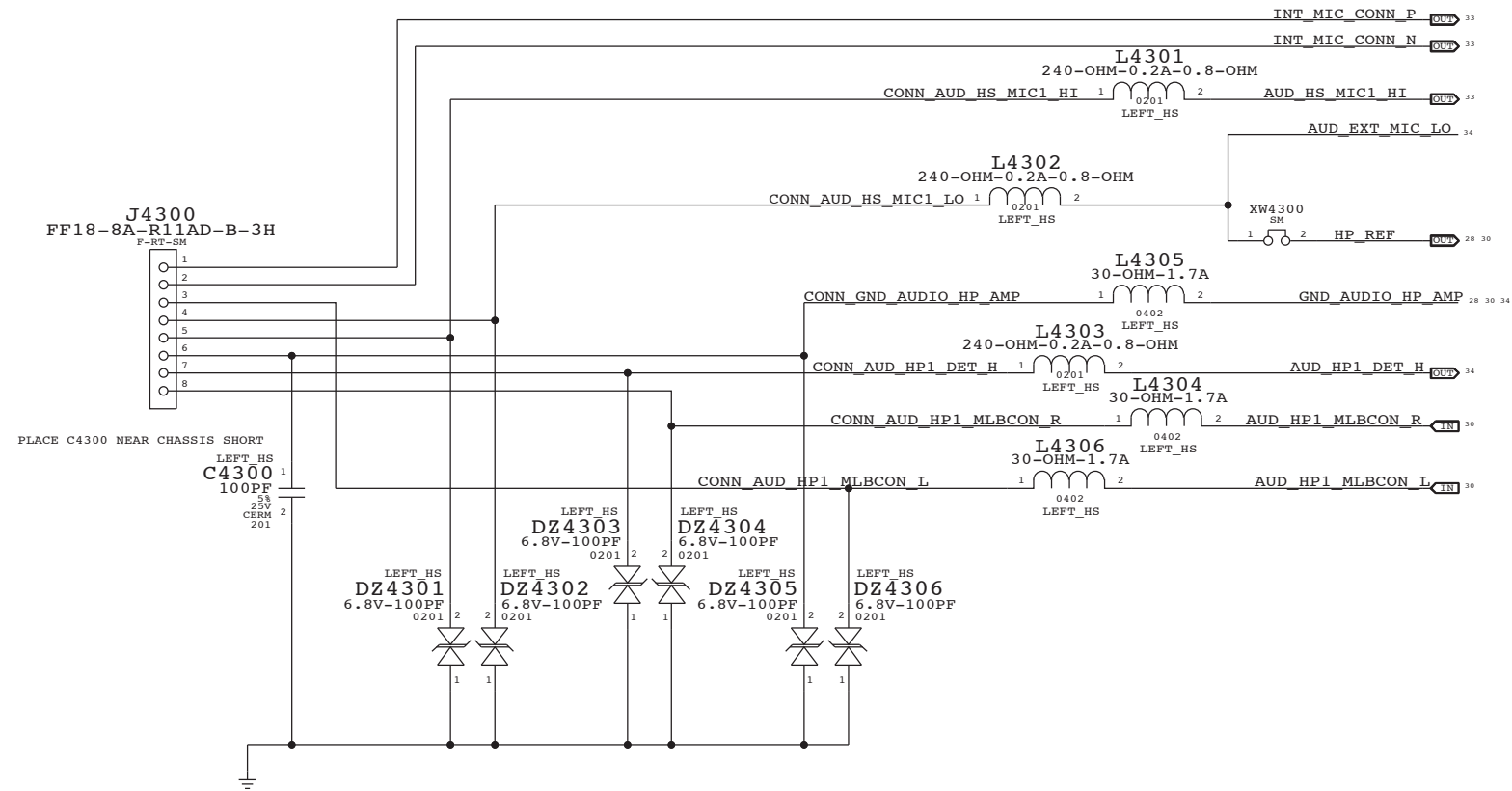
NOTE: INT IS OPEN DRAIN, PULL UP ON MIKEY SIDE

EXT MIC LPF FC = DISABLED

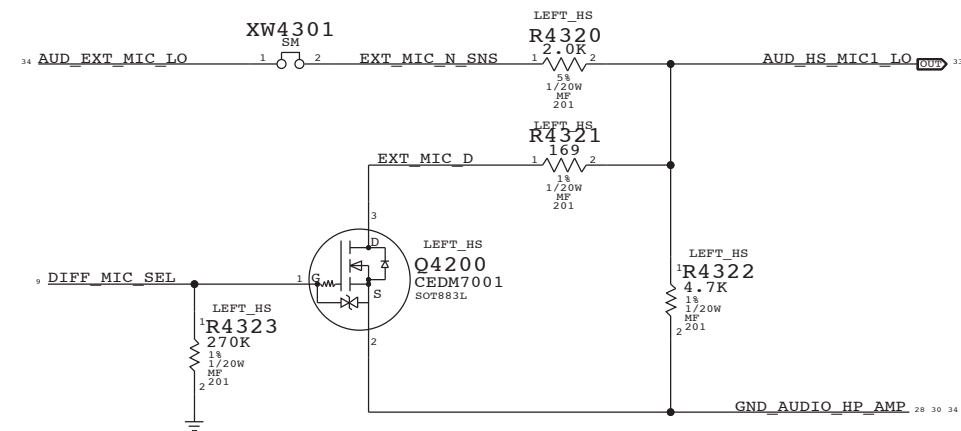


PAGE TITLE		SYNC MASTER=AUDIO		SYNC DATE=12/04/2009	
AUDIO: DETECT/MIC BIAS					
Apple Inc.		DRAWING NUMBER	051-8245	SIZE	D
		REVISION	B.0.0		
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PAGE		42 OF 119		SHEET	
		33 OF 53			

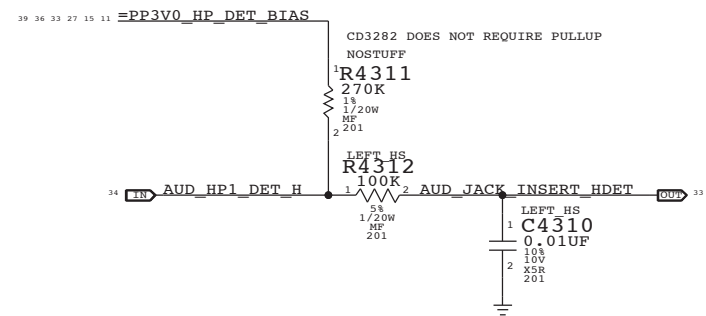
JACK 1 MLB CONNECTOR: HEADPHONE/HS_MIC/INT_MIC
 APN: 518S0693



HEADSET HP/MIC CROSSTALK MITIGATION (NOT USED)



HEADSET JACK INSERTION DETECT

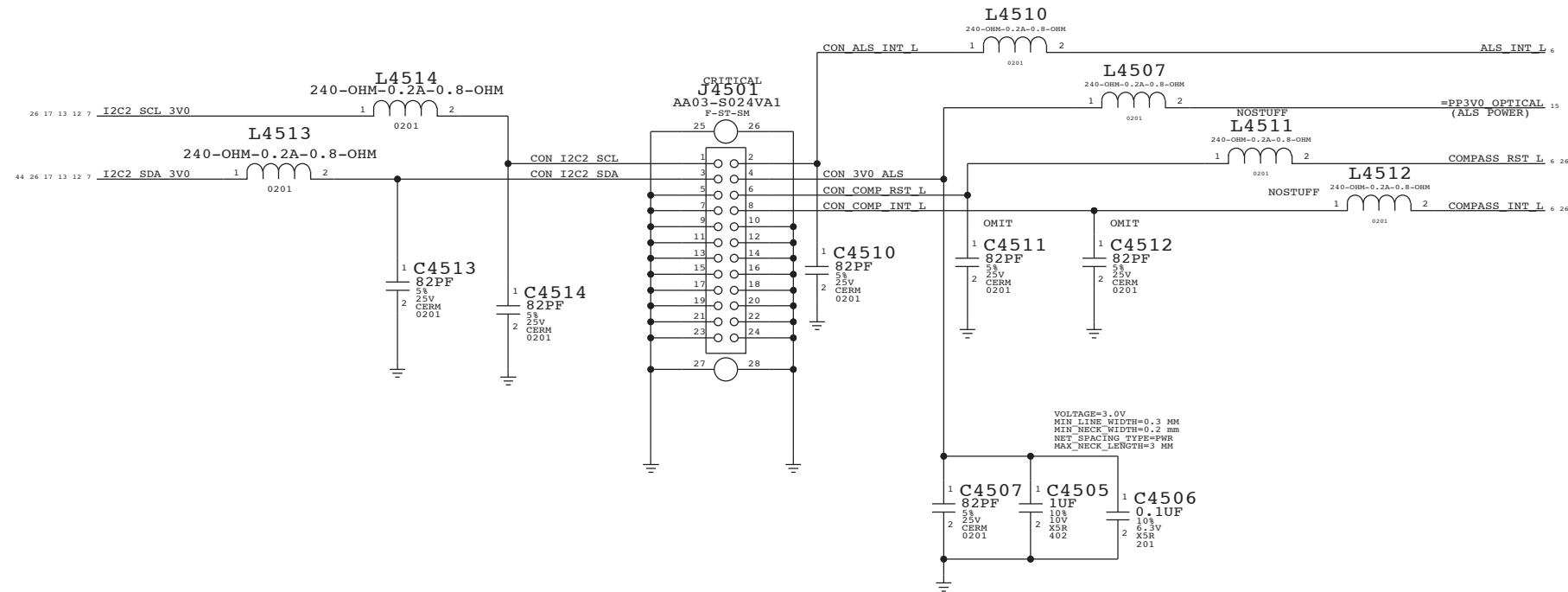


PAGE TITLE		SYNC DATE=12/04/2009	
AUDIO: HP CONN			
	DRAWING NUMBER		SIZE
	051-8245		D
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ALS CONN.

FPC CONNECTOR

APN: 516S0498



PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
11780002	2	0-OHM, 5%, 1/20W, MF, 0201	C4511, C4512	

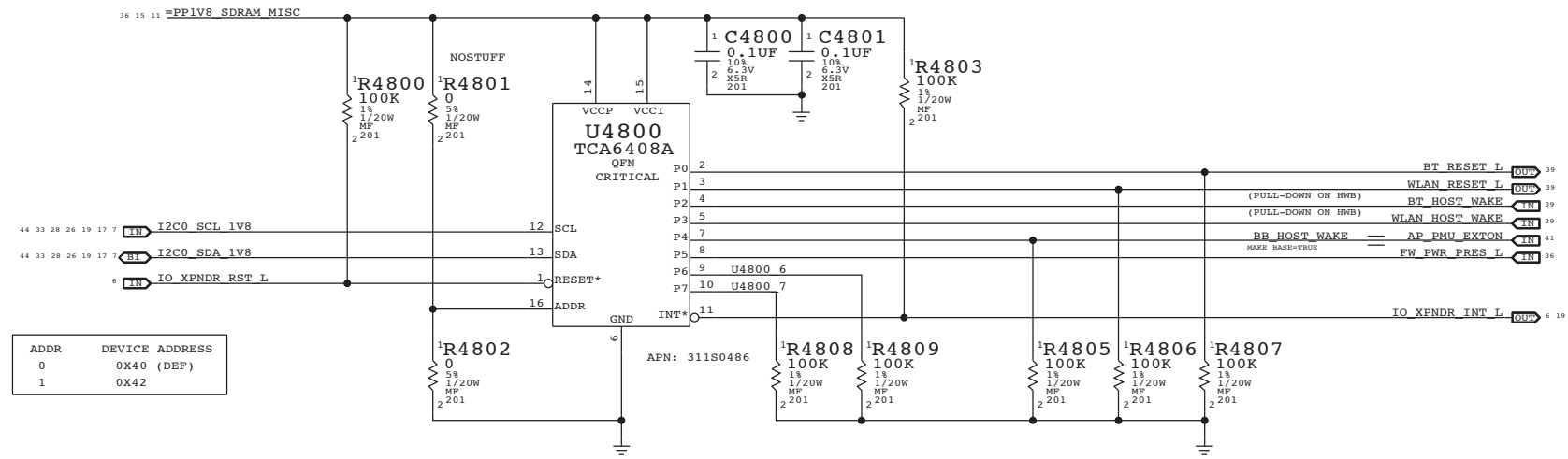
SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
ALS CONNECTOR			
Apple Inc.		DRAWING NUMBER	051-8245
		REVISION	B.0.0
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		PAGE	45 OF 119
		SHEET	35 OF 53

D

C

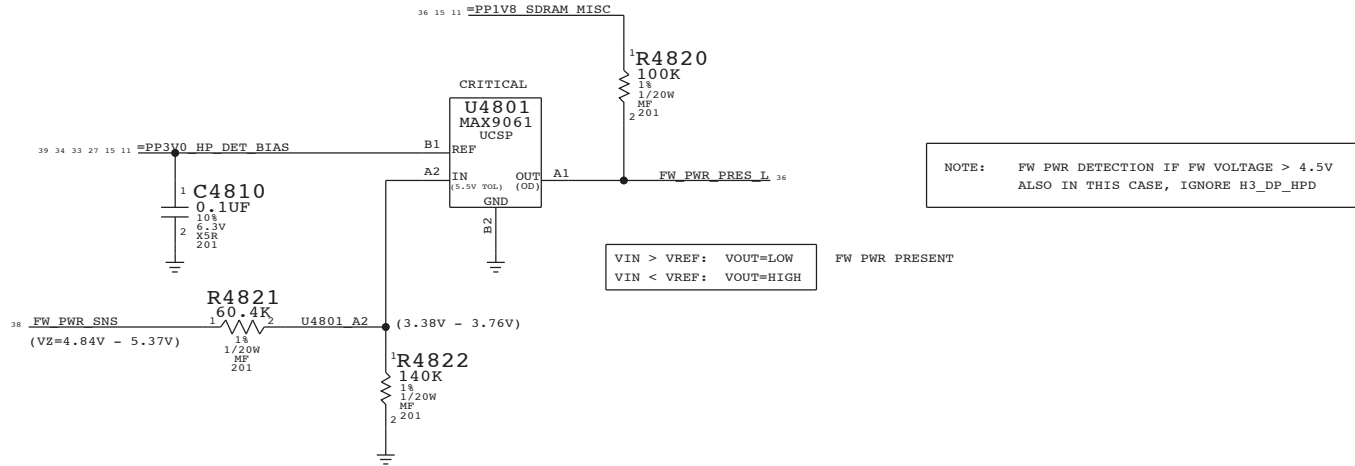
B

A



THIS IS SAME AS PREVIOUS, BUT CE APPROVED APN NUMBER (SAME PART)

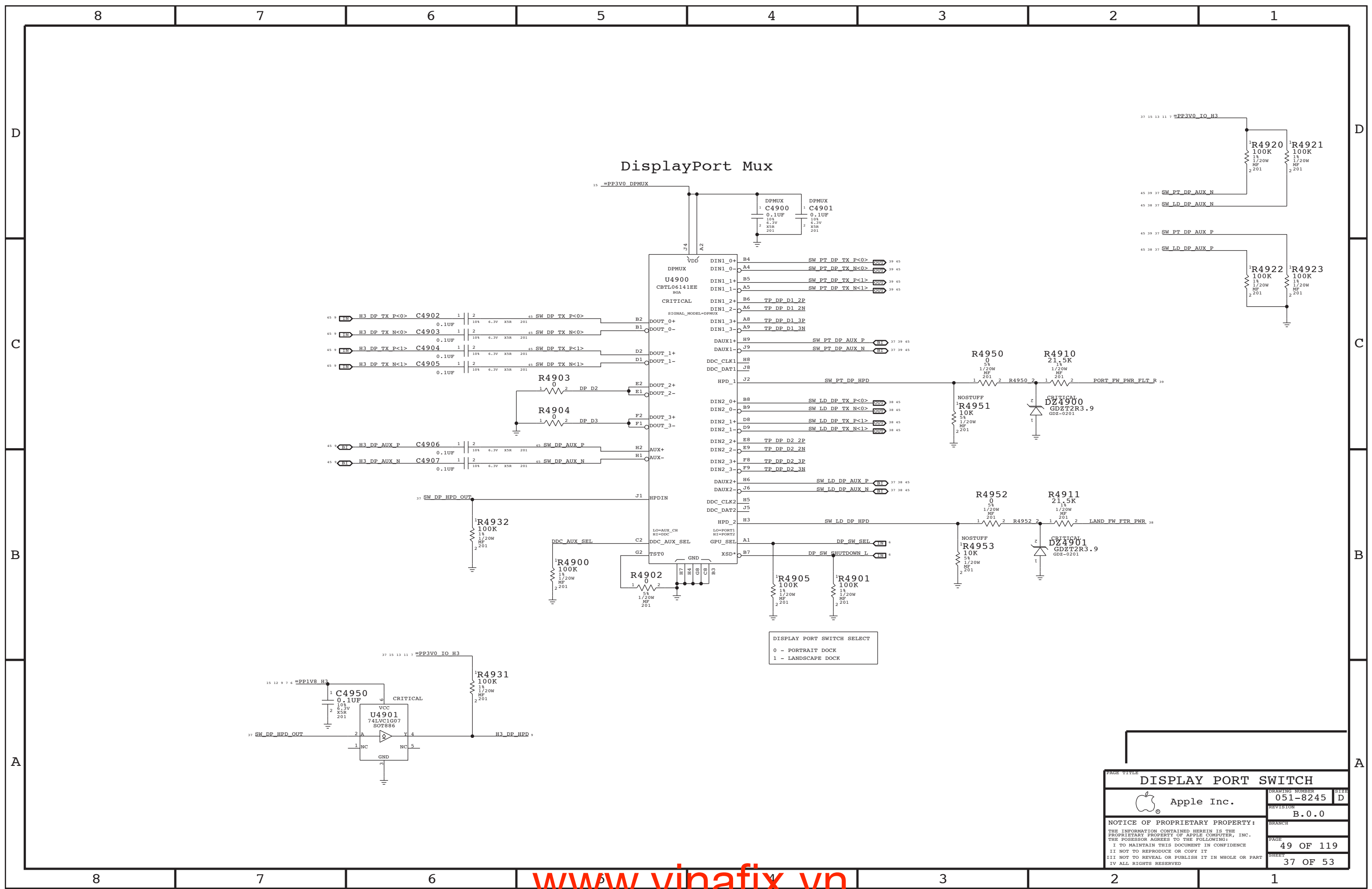
ADDR	DEVICE ADDRESS
0	0X40 (DEF)
1	0X42



NOTE: FW_PWR_DETECTION IF FW_VOLTAGE > 4.5V
ALSO IN THIS CASE, IGNORE H3_DP_HPD

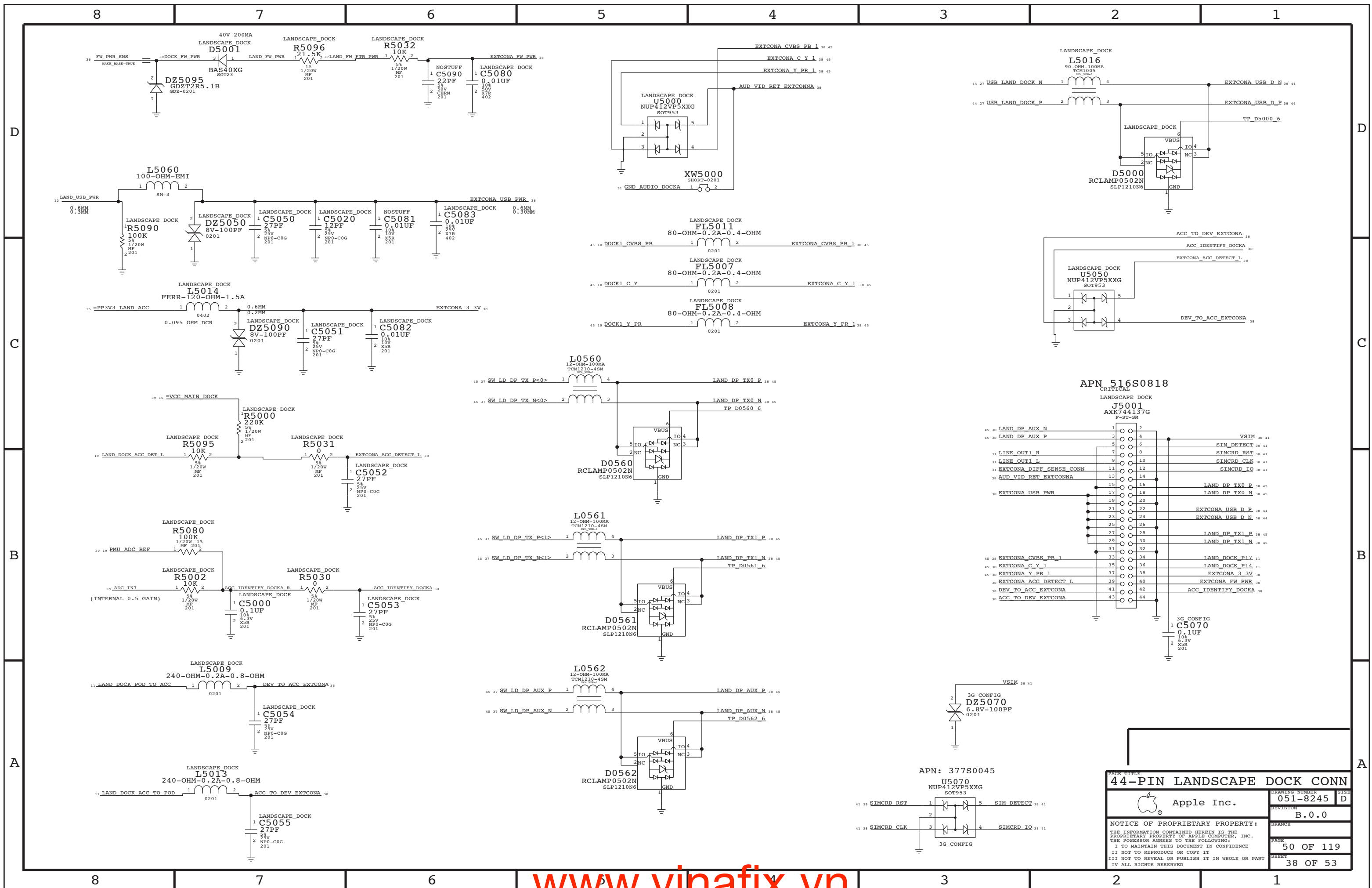
VIN > VREF: VOUT=LOW FW_PWR_PRESENT
VIN < VREF: VOUT=HIGH

PAGE TITLE		
I/O EXPANDER		
Apple Inc.	DRAWING NUMBER	051-8245
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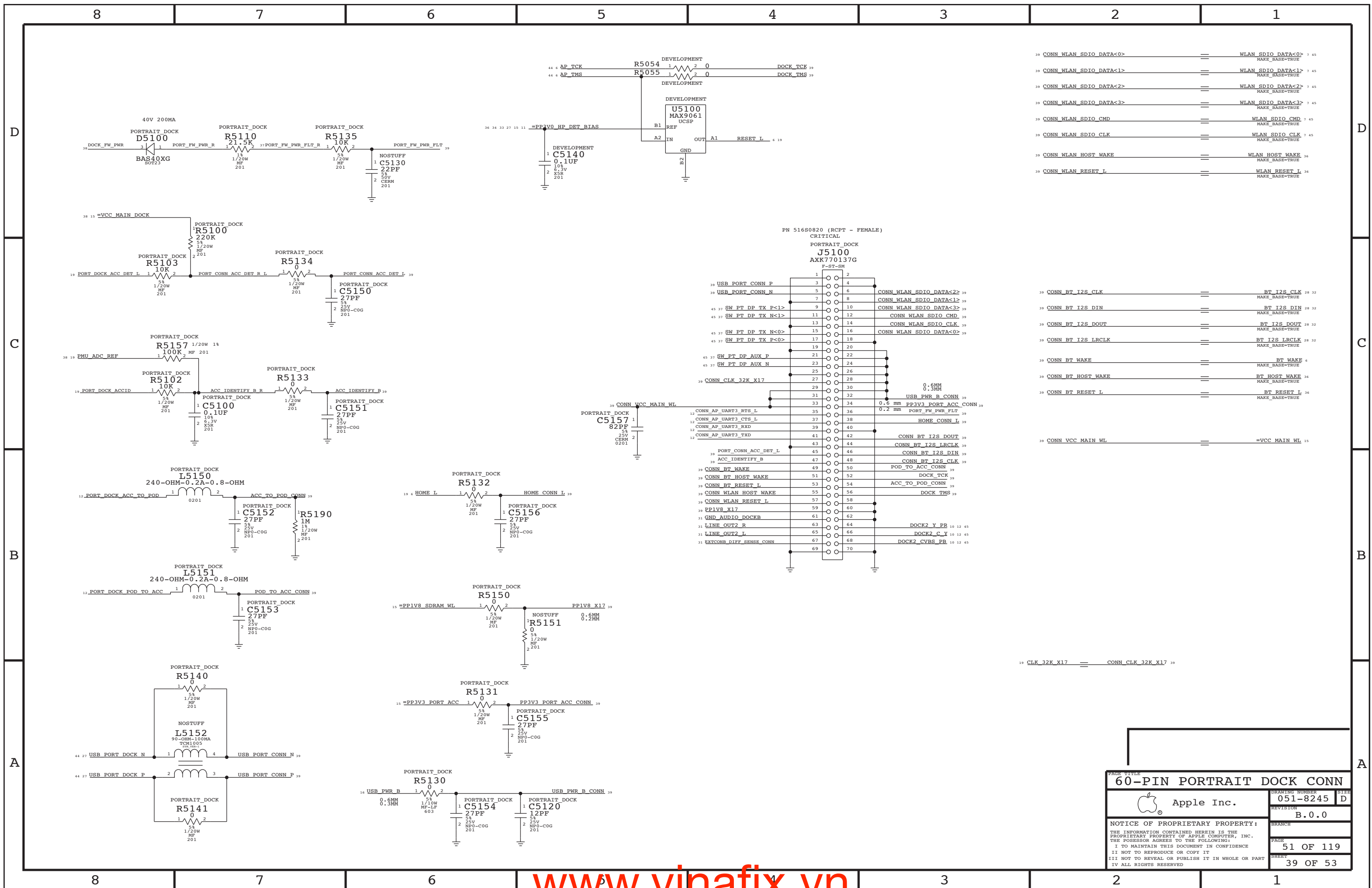


DISPLAY PORT SWITCH SELECT
 0 - PORTRAIT DOCK
 1 - LANDSCAPE DOCK

PAGE TITLE		
DISPLAY PORT SWITCH		
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PAGE TITLE		DRAWING NUMBER	SIZE
44-PIN LANDSCAPE DOCK CONN		051-8245	D
Apple Inc.		REVISION	B.0.0
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39	CONN WLAN SDIO DATA<0>	==	WLAN SDIO DATA<0>	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN SDIO DATA<1>	==	WLAN SDIO DATA<1>	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN SDIO DATA<2>	==	WLAN SDIO DATA<2>	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN SDIO DATA<3>	==	WLAN SDIO DATA<3>	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN SDIO CMD	==	WLAN SDIO CMD	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN SDIO CLK	==	WLAN SDIO CLK	7 45
			MAKE_BASE=TRUE	
39	CONN WLAN HOST WAKE	==	WLAN HOST WAKE	36
			MAKE_BASE=TRUE	
39	CONN WLAN RESET L	==	WLAN RESET L	36
			MAKE_BASE=TRUE	

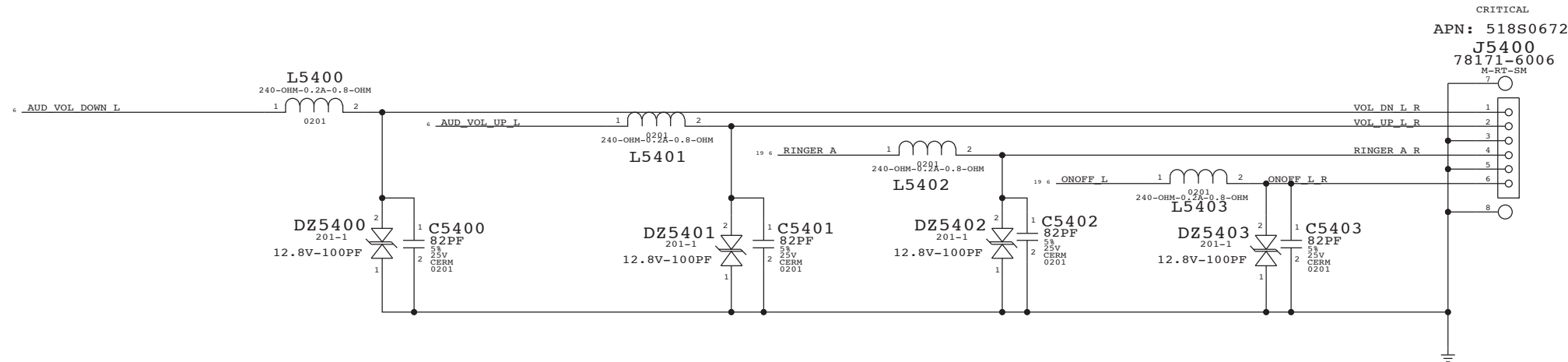
39	CONN BT I2S CLK	==	BT I2S CLK	28 32
			MAKE_BASE=TRUE	
39	CONN BT I2S DIN	==	BT I2S DIN	28 32
			MAKE_BASE=TRUE	
39	CONN BT I2S DOUT	==	BT I2S DOUT	28 32
			MAKE_BASE=TRUE	
39	CONN BT I2S LRCLK	==	BT I2S LRCLK	28 32
			MAKE_BASE=TRUE	
39	CONN BT WAKE	==	BT WAKE	6
			MAKE_BASE=TRUE	
39	CONN BT_HOST WAKE	==	BT_HOST WAKE	36
			MAKE_BASE=TRUE	
39	CONN BT RESET L	==	BT RESET L	36
			MAKE_BASE=TRUE	


39	CONN VCC MAIN WL	==	=VCC MAIN WL	15
----	------------------	----	--------------	----

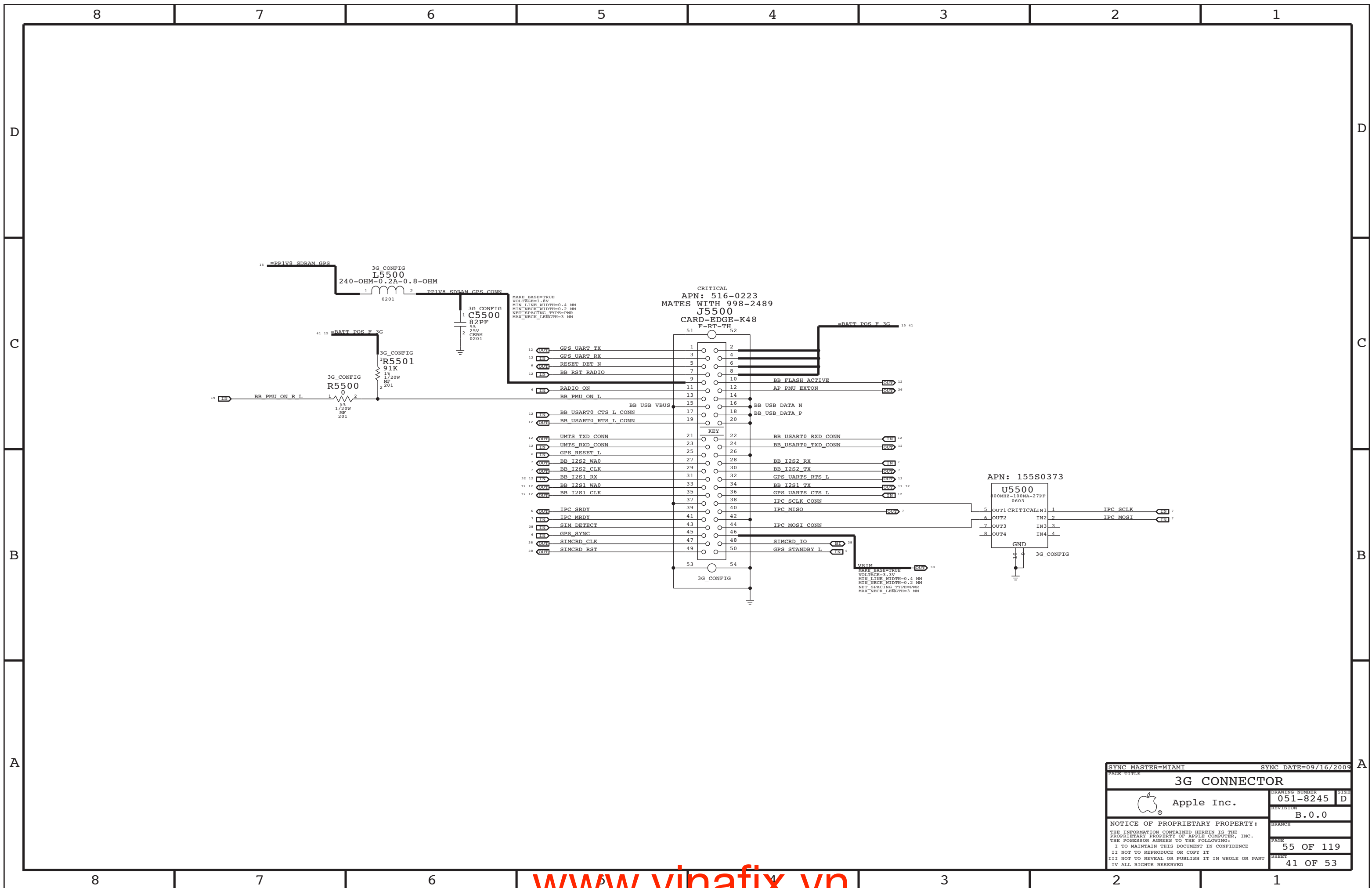
39	CLK 32K X17	==	CONN_CLK 32K X17	39
----	-------------	----	------------------	----

PAGE TITLE			
60-PIN PORTRAIT DOCK CONN			
Apple Inc.		DRAWING NUMBER	051-8245
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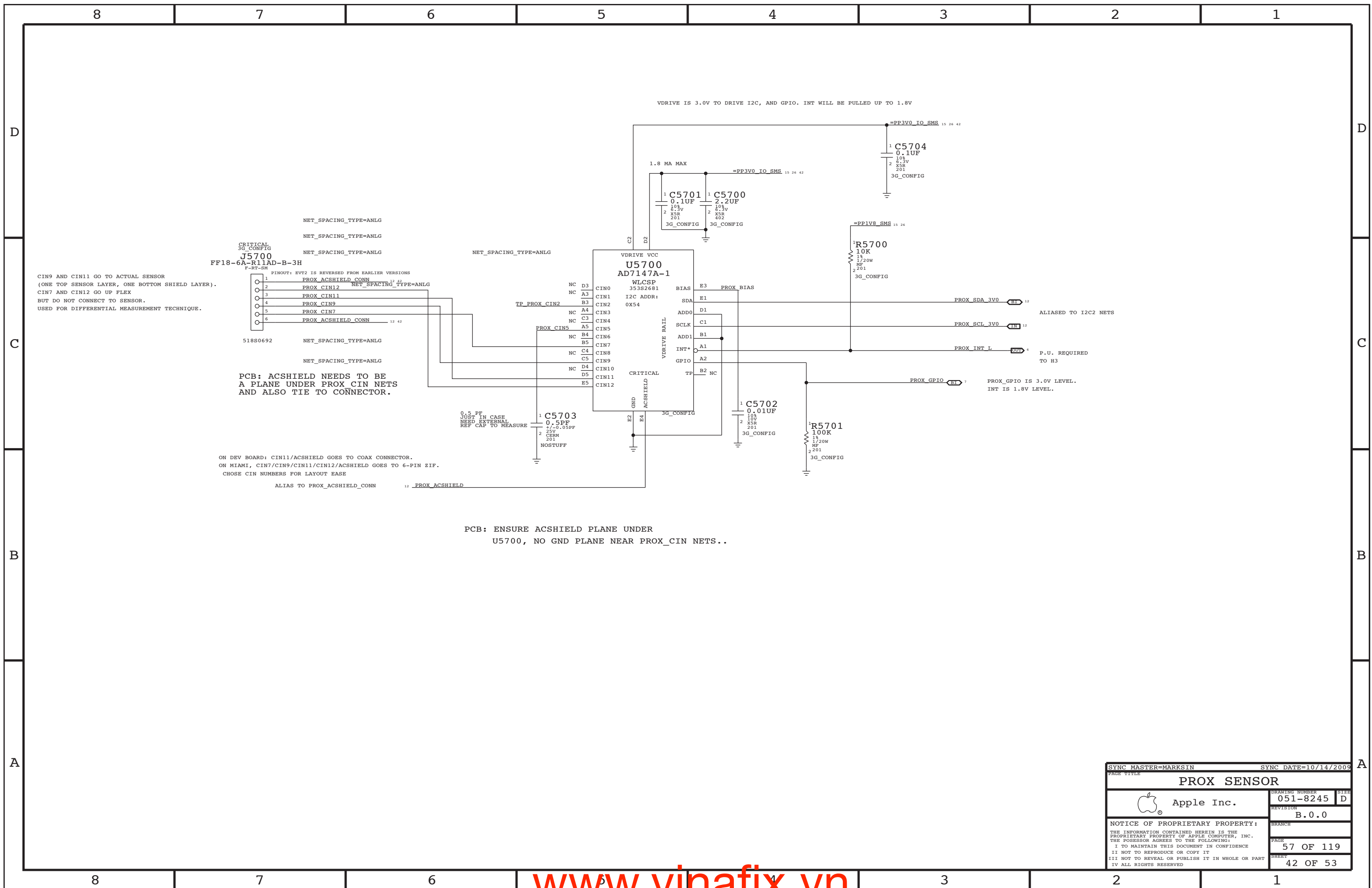
BUTTON CONNECTOR



SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
BUTTONS CONNECTOR			
 Apple Inc.		DRAWING NUMBER	051-8245
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		PAGE	54 OF 119
		SHEET	40 OF 53



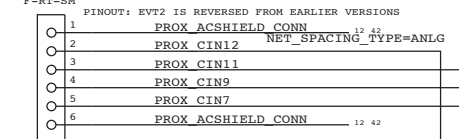
SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
3G CONNECTOR			
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VDRIVE IS 3.0V TO DRIVE I2C, AND GPIO. INT WILL BE PULLED UP TO 1.8V

CIN9 AND CIN11 GO TO ACTUAL SENSOR
(ONE TOP SENSOR LAYER, ONE BOTTOM SHIELD LAYER).
CIN7 AND CIN12 GO UP FLEX
BUT DO NOT CONNECT TO SENSOR.
USED FOR DIFFERENTIAL MEASUREMENT TECHNIQUE.

NET_SPACING_TYPE=ANLG
NET_SPACING_TYPE=ANLG
NET_SPACING_TYPE=ANLG



518S0692 NET_SPACING_TYPE=ANLG
NET_SPACING_TYPE=ANLG

PCB: ACSHIELD NEEDS TO BE
A PLANE UNDER PROX CIN NETS
AND ALSO TIE TO CONNECTOR.

ON DEV BOARD: CIN11/ACSHIELD GOES TO COAX CONNECTOR.
ON MIAMI, CIN7/CIN9/CIN11/CIN12/ACSHIELD GOES TO 6-PIN ZIP.
CHOSE CIN NUMBERS FOR LAYOUT EASE

ALIAS TO PROX_ACSHIELD_CONN 12 _PROX_ACSHIELD

PCB: ENSURE ACSHIELD PLANE UNDER
U5700, NO GND PLANE NEAR PROX_CIN NETS..

SYNC MASTER=MARKSIN		SYNC DATE=10/14/2009	
PAGE TITLE			
PROX SENSOR			
		DRAWING NUMBER	051-8245
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16GB FLASH CONFIGURATIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
335S0648	2	TOSHIBA 43NM 8GB	U6700,U6710	16GB_PROD

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0683	335S0648	16GB_PROD	U6700,U6710	SAMSUNG 35NM 8GB

32GB FLASH CONFIGURATIONS

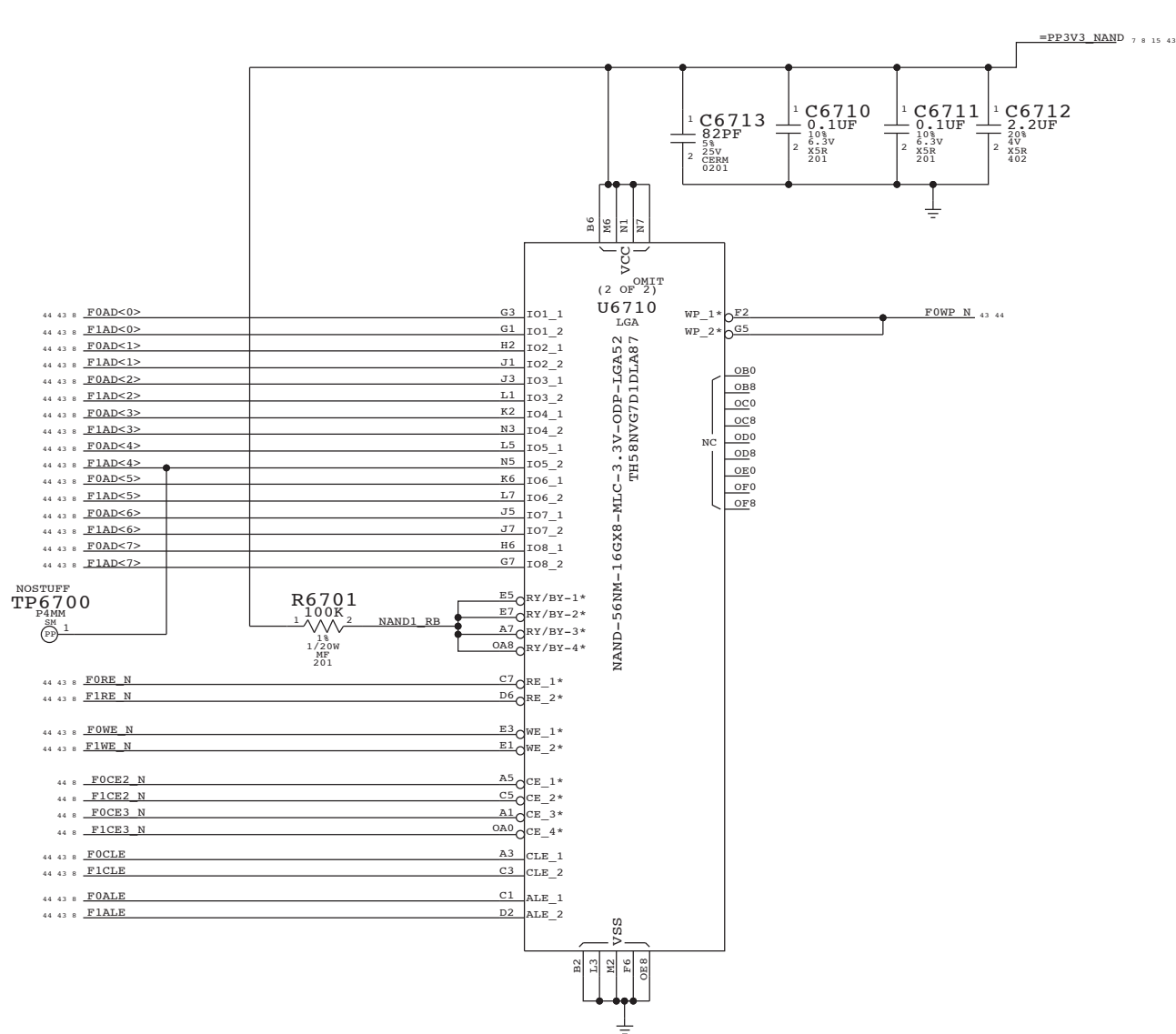
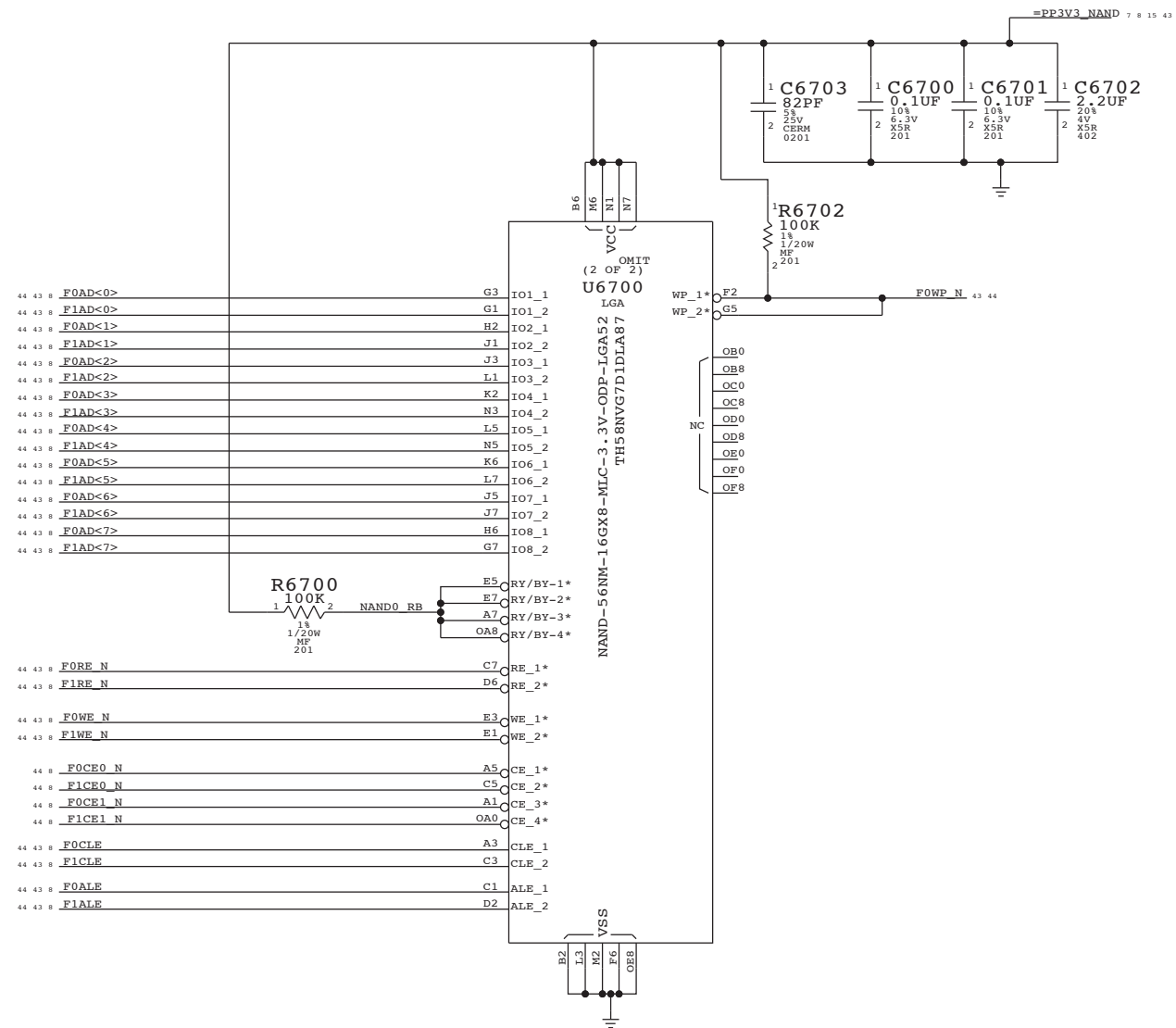
PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
335S0649	2	TOSHIBA 43NM 16GB	U6700,U6710	32GB_PROD

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0682	335S0649	32GB_PROD	U6700,U6710	SAMSUNG 35NM 16GB

64GB FLASH CONFIGURATIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION
335S0650	2	TOSHIBA 43NM 32GB	U6700,U6710	64GB_PROD

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0665	335S0650	64GB_PROD	U6700,U6710	SAMSUNG 35NM 32GB



SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
FLASH			
Apple Inc.		DRAWING NUMBER	SIZE
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		REVISION	
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Clock Signal Constraints

NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
CLK_50S	*	50_OHM_SE

NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
CLK	*	*	0P5MM_SPACING

USB 2.0 Interface Constraints

NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
USB_90D	*	90_OHM_DIFF

NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
USB	*	*	0P5MM_SPACING

OTHER CONSTRAINTS


NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
I2C_50S	*	50_OHM_SE
NAND_50S	*	50_OHM_SE
AUDIO	*	1:1_DIFFPAIR
SPEAKER	*	SPEAKER

NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
NAND	*	*	1.5:1_SPACING
I2C	*	*	1.5:1_SPACING
AUDIO	*	*	3:1_SPACING

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E115		JTAG	AP_TCK	6 39	
E116		JTAG	AP_TMS	6 39	
E117		JTAG	AP_TDI	6 12	
E118		JTAG	AP_TDO	12	
E120		JTAG	AP_RTCK		
E18	USB	USB_90D	USB_LAND DOCK_P	27 38	
E19	USB	USB_90D	USB_LAND DOCK_N	27 38	
E20	USB	USB_90D	USB_PORT DOCK_P	27 39	
E21	USB	USB_90D	USB_PORT DOCK_N	27 39	
E22		USB_90D	EXTCONA USB D_P	38	
E23		USB_90D	EXTCONA USB D_N	38	
E24	USB	USB_90D	USB_DP	6 27	
E25	USB	USB_90D	USB_DM	6 27	
E222			I2S1_DOUT	7 12	
E223			I2S1_DIN	7 12	
E224			I2S1_BCLK	7 12	
E225			I2S1_LRCLK	7 12	
E226			I2S1_MCLK		
E23		CLK_50S	CLK	CLK_32K_PMU	19 24
E152		NAND_50S	NAND	F1AD<7..0>	8 43
E153		NAND_50S	NAND	F0AD<7..0>	8 43
E154		NAND_50S	NAND	F0CE0_N	8 43
E155		NAND_50S	NAND	F0CE1_N	8 43
E156		NAND_50S	NAND	F0CE2_N	8 43
E157		NAND_50S	NAND	F0CE3_N	8 43
E158		NAND_50S	NAND	F0CLE	8 43
E159		NAND_50S	NAND	F0ALE	8 43
E160		NAND_50S	NAND	F0RE_N	8 43
E161		NAND_50S	NAND	F0WE_N	8 43
E162		NAND_50S	NAND	F0WP_N	43
E163		NAND_50S	NAND	F1CE0_N	8 43
E164		NAND_50S	NAND	F1CE1_N	8 43
E165		NAND_50S	NAND	F1CE2_N	8 43
E166		NAND_50S	NAND	F1CE3_N	8 43
E167		NAND_50S	NAND	F1CLE	8 43
E168		NAND_50S	NAND	F1ALE	8 43
E169		NAND_50S	NAND	F1RE_N	8 43
E170		NAND_50S	NAND	F1WE_N	8 43
E171		NAND_50S	NAND	F1WP_N	
E180	SPEAKER	AUDIO	SPKRAMP_L_OUT_P	29	
E181	SPEAKER	AUDIO	SPKRAMP_L_OUT_N	29	
E182	SPEAKER	AUDIO	SPKRAMP_R_OUT_P	29	
E183	SPEAKER	AUDIO	SPKRAMP_R_OUT_N	29	
E184	SPEAKER_ECS	AUDIO	EAR_OUT_P	28 29	
E185	AUDIO	AUDIO	EAR_OUT_N	28 29	
E222	AUDIO	AUDIO	SSM2319_L_IN_P	29	
E223	AUDIO	AUDIO	SSM2319_L_IN_N	29	
E186	SPEAKER_ECS	AUDIO	MONO_OUT_P	28 29	
E187	AUDIO	AUDIO	MONO_OUT_N	28 29	
E188	AUDIO	AUDIO	SSM2319_R_IN_P	29	
E189	AUDIO	AUDIO	SSM2319_R_IN_N	29	

I2C BUS NET PROPERTIES

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E11	I2C1_ECS	I2C_50S	I2C	I2C1_SDA_1V8	7
E12	I2C1_ECS	I2C_50S	I2C	I2C1_SCL_1V8	7
E13	I2C0_ECS	I2C_50S	I2C	I2C0_SDA_1V8	7 17 19 26 28 33 36
E14	I2C0_ECS	I2C_50S	I2C	I2C0_SCL_1V8	7 17 19 26 28 33 36
E15	I2C2_ECS	I2C_50S	I2C	I2C2_SDA_3V0	7 12 13 17 26 35 44
E16	I2C2_ECS	I2C_50S	I2C	I2C2_SCL_3V0	7 12 13 17 26 35 44

SYNC MASTER=MIAMI		SYNC DATE=09/16/2009	
CONSTRAINTS			
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Video Signal Constraints

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
VID_50S	*	Y	=50_OHM_SE	=50_OHM_SE	=50_OHM_SE	=STANDARD	=STANDARD

NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
LVDS_100D	*	90_OHM_DIFF
MIPI_100D	*	90_OHM_DIFF
SMIA_100D	*	90_OHM_DIFF
DP_100D	*	90_OHM_DIFF

NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
ANALOG_VIDEO	*	*	2.5:1_SPACING
LVDS	*	*	4:1_SPACING
MIPI	*	*	4:1_SPACING
SMIA	*	*	4:1_SPACING
DP	*	*	4:1_SPACING

SDIO SIGNAL CONSTRAINTS

NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
SDIO_50S	*	50_OHM_SE

NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
SDIO	*	*	1.5:1_SPACING

MIPI, SMIA AND DISPLAYPORT BUS CONSTRAINTS

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E228	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA P<0>	9 14
E229	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA N<0>	9 14
E230	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA P<1>	9 14
E231	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA N<1>	9 14
E232	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA P<2>	9 14
E233	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA N<2>	9 14
E234	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA P<3>	9 14
E235	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID DATA N<3>	9 14
E236	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID CLK P	9 14
E237	MIPI_ECS	MIPI_100D	MIPI	H3 MIPID CLK N	9 14
E238	SMIA_ECS	SMIA_100D	SMIA	CAM SMIA DATA P	
E239	SMIA_ECS	SMIA_100D	SMIA	CAM SMIA DATA N	
E240	SMIA_ECS	SMIA_100D	SMIA	CAM SMIA CLK P	
E241	SMIA_ECS	SMIA_100D	SMIA	CAM SMIA CLK N	
E242		SMIA_100D	SMIA	CONN SMIA CLK P	
E243		SMIA_100D	SMIA	CONN SMIA CLK N	
E244	DP_H3_ECS	DP_100D	DP	H3 DP TX P<0>	9 37
E245	DP_H3_ECS	DP_100D	DP	H3 DP TX N<0>	9 37
E246	DP_H3_ECS	DP_100D	DP	H3 DP TX P<1>	9 37
E247	DP_H3_ECS	DP_100D	DP	H3 DP TX N<1>	9 37
E248	DP_H3_ECS	DP_100D	DP	H3 DP AUX P	9 37
E249	DP_H3_ECS	DP_100D	DP	H3 DP AUX N	9 37
E250		DP_100D	DP	SW DP TX P<0>	37
E251		DP_100D	DP	SW DP TX N<0>	37
E252		DP_100D	DP	SW DP TX P<1>	37
E253		DP_100D	DP	SW DP TX N<1>	37
E254		DP_100D	DP	SW DP AUX P	37
E255		DP_100D	DP	SW DP AUX N	37
E256	DP_PORT_ECS	DP_100D	DP	SW_PT DP TX P<0>	37 39
E257	DP_PORT_ECS	DP_100D	DP	SW_PT DP TX N<0>	37 39
E258	DP_PORT_ECS	DP_100D	DP	SW_PT DP TX P<1>	37 39
E259	DP_PORT_ECS	DP_100D	DP	SW_PT DP TX N<1>	37 39
E260	DP_PORT_ECS	DP_100D	DP	SW_PT DP AUX P	37 39
E261	DP_PORT_ECS	DP_100D	DP	SW_PT DP AUX N	37 39
E262	DP_LAND_ECS	DP_100D	DP	SW_LD DP TX P<0>	37 38
E263	DP_LAND_ECS	DP_100D	DP	SW_LD DP TX N<0>	37 38
E264	DP_LAND_ECS	DP_100D	DP	SW_LD DP TX P<1>	37 38
E265	DP_LAND_ECS	DP_100D	DP	SW_LD DP TX N<1>	37 38
E266	DP_LAND_ECS	DP_100D	DP	SW_LD DP AUX P	37 38
E267	DP_LAND_ECS	DP_100D	DP	SW_LD DP AUX N	37 38
E268		DP_100D	DP	LAND DP TX0 P	38
E269		DP_100D	DP	LAND DP TX0 N	38
E270		DP_100D	DP	LAND DP TX1 P	38
E271		DP_100D	DP	LAND DP TX1 N	38
E272		DP_100D	DP	LAND DP AUX P	38
E273		DP_100D	DP	LAND DP AUX N	38

LVDS CONSTRAINTS

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E280	LVDS_ECS	LVDS_100D	LVDS	LVDS DATA P<2..0>	13 25
E281	LVDS_ECS	LVDS_100D	LVDS	LVDS DATA N<2..0>	13 25
E282	LVDS_ECS	LVDS_100D	LVDS	LVDS CLK P	13 25
E283		LVDS_100D	LVDS	LVDS CLK N	13 25
E284		LVDS_100D	LVDS	LVDS CONN CLK P	25
E285		LVDS_100D	LVDS	LVDS CONN CLK N	25
E286		LVDS_100D	LVDS	LVDS DAT P<2..0>	25
E287		LVDS_100D	LVDS	LVDS DAT N<2..0>	25

HX SDIO CONSTRAINTS

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E290	WLAN_SDIO_ECS	SDIO_50S	SDIO	WLAN SDIO CLK	7 39
E291	WLAN_SDIO_CMD_ECS	SDIO_50S	SDIO	WLAN SDIO CMD	7 39
E292	WLAN_SDIO_ECS	SDIO_50S	SDIO	WLAN SDIO DATA<3..0>	7 39

ANALOG VIDEO CONSTRAINTS

ELECTRICAL_CONSTRAINT_SET	NET_TYPE				
	PHYSICAL	SPACING			
E293	VID_50S	ANALOG_VIDEO		DAC_OUT1	10
E294	VID_50S	ANALOG_VIDEO		DAC_OUT2	10
E295	VID_50S	ANALOG_VIDEO		DAC_OUT3	10
E296	VID_50S	ANALOG_VIDEO		LAND YOUT	10
E297	VID_50S	ANALOG_VIDEO		LAND CVBS_OUT	10
E298	VID_50S	ANALOG_VIDEO		LAND COUT	10
E299	VID_50S	ANALOG_VIDEO		PORT YOUT	10
E300	VID_50S	ANALOG_VIDEO		PORT CVBS_OUT	10
E301	VID_50S	ANALOG_VIDEO		PORT COUT	10
E302	VID_50S	ANALOG_VIDEO		DOCK1 CVBS_PB	10 38
E303	VID_50S	ANALOG_VIDEO		DOCK1 C Y	10 38
E304	VID_50S	ANALOG_VIDEO		DOCK1 Y PR	10 38
E305	VID_50S	ANALOG_VIDEO		EXTCONA CVBS_PB 1	38
E306	VID_50S	ANALOG_VIDEO		EXTCONA C Y 1	38
E307	VID_50S	ANALOG_VIDEO		EXTCONA Y PR 1	38
E308	VID_50S	ANALOG_VIDEO		DOCK2 CVBS_PB	10 12 39
E309	VID_50S	ANALOG_VIDEO		DOCK2 C Y	10 12 39
E310	VID_50S	ANALOG_VIDEO		DOCK2 Y PR	10 12 39

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MORE CONSTRAINTS

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MIAMI BOARD-SPECIFIC SPACING & PHYSICAL CONSTRAINTS (10-LAYER)

BOARD LAYERS		BOARD AREAS		BOARD UNITS (MIL OR MM)	ALLEGRO VERSION
TOP, ISL2, ISL3, ISL4, ISL5, ISL6, ISL7, ISL8, ISL9, BOTTOM		NO_TYPE, BGA		MM	15.2

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
DEFAULT	*	Y	=50_OHM_SE	=50_OHM_SE	30 MM	0 MM	0 MM
STANDARD	*	Y	=DEFAULT	=DEFAULT	12.7 MM	=DEFAULT	=DEFAULT

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
50_OHM_SE	TOP, BOTTOM	Y	0.230 MM	0.070 MM	3.0 MM		
50_OHM_SE	ISL2, ISL9	Y	0.076 MM	0.070 MM	3.0 MM		
50_OHM_SE	ISL4, ISL7	Y	0.076 MM	0.070 MM	3.0 MM		
50_OHM_SE	*	N	0.070 MM	0.070 MM	3.0 MM		

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
BGA	*	Y	0.075 MM	0.075 MM	=STANDARD	0.076 MM	0.075 MM

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
90_OHM_DIFF	*	Y	=STANDARD	=STANDARD	=STANDARD	=STANDARD	=STANDARD
90_OHM_DIFF	ISL4, ISL7	Y	0.070 MM	0.070 MM		0.200 MM	0.100 MM
90_OHM_DIFF	TOP, BOTTOM	Y	0.070 MM	0.070 MM		0.200 MM	0.200 MM

PHYSICAL_RULE_SET	LAYER	ALLOW ROUTE ON LAYER?	MINIMUM LINE WIDTH	MINIMUM NECK WIDTH	MAXIMUM NECK LENGTH	DIFFPAIR PRIMARY GAP	DIFFPAIR NECK GAP
1:1_DIFFPAIR	*	Y	=STANDARD	=STANDARD	=STANDARD	0.075 MM	0.075 MM
SPEAKER	*	Y	0.3 MM	0.19MM	10 MM	0.075 MM	0.075 MM

SPACING_RULE_SET	LAYER	LINE-TO-LINE SPACING	WEIGHT
DEFAULT	*	0.08 MM	?
STANDARD	*	=DEFAULT	?
BGA	*	=DEFAULT	?


NET_SPACING_TYPE1	NET_SPACING_TYPE2	AREA_TYPE	SPACING_RULE_SET
*	*	BGA	BGA
CLK	*	BGA	BGA
PWR	*	*	PWR_P1SPACING
GND	*	*	GND_P1SPACING
SWITCHNODE	*	*	SWITCHNODE
PWR	*	*	PWR_P1SPACING
ANLG	*	*	3:1_SPACING
CRYSTAL	*	*	3:1_SPACING
JTAG	*	*	2:1_SPACING
I2S_ST	*	*	2:1_SPACING
I2S_ST	I2S_ST	*	1.5:1_SPACING

NET_PHYSICAL_TYPE	AREA_TYPE	PHYSICAL_RULE_SET
*	BGA	BGA

NOTES:

- 0.075 MM ~ 3 MIL
- 0.089 MM ~ 3.5 MIL
- 0.102 MM ~ 4 MIL
- 0.114 MM ~ 4.5 MIL
- 0.125 MM ~ 5 MIL
- 0.140 MM ~ 5.5 MIL
- 0.15 MM ~ 6 MIL
- 0.18 MM ~ 7 MIL
- 0.2 MM ~ 8 MIL
- 0.25 MM ~ 10 MIL
- 0.3 MM ~ 12 MIL
- 0.33 MM ~ 13 MIL
- 0.4 MM ~ 16 MIL
- 1.0 MM = 39.37 MIL

SPACING_RULE_SET	LAYER	LINE-TO-LINE SPACING	WEIGHT
1:1_SPACING	*	0.075 MM	?
1.5:1_SPACING	*	0.114 MM	?
1.8:1_SPACING	*	0.136 MM	?
2:1_SPACING	*	0.152 MM	?
2.5:1_SPACING	*	0.190 MM	?
3:1_SPACING	*	0.228 MM	?
4:1_SPACING	*	0.304 MM	?
0P64MM_SPACING	*	0.64 MM	?
0P5MM_SPACING	*	0.5 MM	?
PWR_P1SPACING	*	0.1 MM	900
GND_P1SPACING	*	0.1 MM	950
SWITCHNODE	*	0.5 MM	1000
SWITCHNODE	TOP, BOTTOM	0.2 MM	1000

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8	7	6	5	4	3	2	1
Title: Basenet Report Design: loab Date: Feb 19 11:01:06 2008	Base Signal Base nets and synonyms for lost_lib.LOST (lost_lib.lost (sch_1)) Base Signal Synonyms Location((Zone)[dir])	PPMEMV_S3_OUT - @lost_lib.LOST 1705 2381 2384 23C4 23D6 =PPMEMV_S3_WL - @lost_lib.LOST 1704 96C5 =PPMEMV_S3_SCH - @lost_lib.LOST 1288 17D4 =PPMEMV_S3_MEM - @lost_lib.LOST 11C1 14A5 14B4 14B8 14D4	AUD_LO2_PORT_N_R AUD_LO2_PORT_P_L - @lost_lib.LOST 36C2 37B7 AUD_LO2_PORT_P_R - @lost_lib.LOST 36C2 37B7 76B7 AUD_LO2_R - @lost_lib.LOST 39A5 39C1 AUD_LO2_RET - @lost_lib.LOST 39A5 39C1	AUD_LO2_PORT_N_R - @lost_lib.LOST 36C2 37B7 AUD_LO2_PORT_P_L - @lost_lib.LOST 36C2 37B7 76B7 AUD_LO2_PORT_P_R - @lost_lib.LOST 36C2 37B7 76B7 AUD_LO2_R - @lost_lib.LOST 39A5 39C1 AUD_LO2_RET - @lost_lib.LOST 39A5 39C1	CK505_SRC11_P CK505_USB0_FSA - @lost_lib.LOST 1584 16A5 SCH_CLK_DREFFSCLKIN_P - @lost_lib.LOST 10A5 16A3 105D2	CK505_SRC11_P - @lost_lib.LOST 1584 16A5 SCH_CLK_DREFFSCLKIN_P - @lost_lib.LOST 10A5 16A3 105D2 CK505_USB0_FSA - @lost_lib.LOST 1584 16A5 105C2	CK505_SRC11_P - @lost_lib.LOST 1584 16A5 SCH_CLK_DREFFSCLKIN_P - @lost_lib.LOST 10A5 16A3 105D2 CK505_USB0_FSA - @lost_lib.LOST 1584 16A5 105C2
D	D	D	D	D	D	D	D
C	C	C	C	C	C	C	C
B	B	B	B	B	B	B	B
A	A	A	A	A	A	A	A

	8	7	6	5	4	3	2	1	
D	<pre>FFLAG_R FFLAG_R - @lost_lib.LOST 2605 FILT_CVBS_PB FILT_CVBS_PB - @lost_lib.LOST 101A7 FILT_C_Y FILT_C_Y - @lost_lib.LOST 101A7 FILT_Y_PR FILT_Y_PR - @lost_lib.LOST 101A7 FIL_CVBS_PB FIL_CVBS_PB - @lost_lib.LOST 75C5 FIL_C_Y FIL_C_Y - @lost_lib.LOST 75C4 FIL_Y_PR FIL_Y_PR - @lost_lib.LOST 75B4 FLASH_AD0> FLASH_AD0> - @lost_lib.LOST 6604 67C7 FLASH_AD<1> FLASH_AD<1> - @lost_lib.LOST 6604 67C7 FLASH_AD<2> FLASH_AD<2> - @lost_lib.LOST 6604 67C7 FLASH_AD<3> FLASH_AD<3> - @lost_lib.LOST 6604 67C7 FLASH_AD<4> FLASH_AD<4> - @lost_lib.LOST 6604 67C7 FLASH_AD<5> FLASH_AD<5> - @lost_lib.LOST 6604 67C7 FLASH_AD<6> FLASH_AD<6> - @lost_lib.LOST 6604 67C7 FLASH_AD<7> FLASH_AD<7> - @lost_lib.LOST 6604 67C7 FLASH_AD<8> FLASH_AD<8> - @lost_lib.LOST 6604 67C4 FLASH_AD<9> FLASH_AD<9> - @lost_lib.LOST 6604 67C4 FLASH_AD<10> FLASH_AD<10> - @lost_lib.LOST 6604 67C4 FLASH_AD<11> FLASH_AD<11> - @lost_lib.LOST 6604 67C4 FLASH_AD<12> FLASH_AD<12> - @lost_lib.LOST 6604 67C4 FLASH_AD<13> FLASH_AD<13> - @lost_lib.LOST 6604 67C4 FLASH_AD<14> FLASH_AD<14> - @lost_lib.LOST 6604 67C4 FLASH_AD<15> FLASH_AD<15> - @lost_lib.LOST 6604 67C4 FLASH_ALE FLASH_ALE - @lost_lib.LOST 6684 6784 67B7 FLASH_CE_L<0> FLASH_CE_L<0> - @lost_lib.LOST 6604 67B8 FLASH_CE_L<1> FLASH_CE_L<1> - @lost_lib.LOST 6604 67B5 FLASH_CE_L<2> FLASH_CE_L<2> - @lost_lib.LOST 6604 67B5 FLASH_CE_L<3> FLASH_CE_L<3> - @lost_lib.LOST 6686 67B8 FLASH_CE_L<4> FLASH_CE_L<4> - @lost_lib.LOST 6686 67B8 FLASH_CE_L<5> FLASH_CE_L<5> - @lost_lib.LOST 6686 67B5 FLASH_CE_L<6> FLASH_CE_L<6> - @lost_lib.LOST 6686 67B5 FLASH_CE_L<7> FLASH_CE_L<7> - @lost_lib.LOST 6686 67B5 FLASH_CLE FLASH_CLE - @lost_lib.LOST 6684 6784 67B7 FLASH_FRDY<0> FLASH_FRDY<0> - @lost_lib.LOST 6684 67B5 67B8 FLASH_FRDY<1> FLASH_FRDY<1> - @lost_lib.LOST 6684 67B5 67B8 67B8 FLASH_LED FLASH_LED - @lost_lib.LOST 6686 FLASH_RESET_L FLASH_RESET_L - @lost_lib.LOST 6684 6784 67B7 FLASH_RE_L FLASH_RE_L - @lost_lib.LOST 6684 6784 67B7 FLASH_REFREF FLASH_REFREF - @lost_lib.LOST 6682 6606 FLASH_TEST FLASH_TEST - @lost_lib.LOST 6682 6606 FLASH_WE_L FLASH_WE_L - @lost_lib.LOST 6684 6784 67B7 FLASH_WP_L FLASH_WP_L - @lost_lib.LOST 6684 6784 67B7 FLASH_ADSTB_L<0> FSB_ADSTB_L<0> - @lost_lib.LOST 6C7 8C4 100C3 FSB_ADSTB_L<1..0> FSB_ADSTB_L<1..0> - @lost_lib.LOST 5D7 FSB_ADSTB_L<1> FSB_ADSTB_L<1> - @lost_lib.LOST 6C7 8C4 100C3 FSB_ADS_L FSB_ADS_L - @lost_lib.LOST 5D7 6D6 8C4 100D3 FSB_A_L<0> FSB_A_L<0> - @lost_lib.LOST 100C3 FSB_A_L<16..3> FSB_A_L<16..3> - @lost_lib.LOST 5D7 FSB_A_L<31..3> FSB_A_L<31..3> - @lost_lib.LOST 5D7 FSB_A_L<35..17> FSB_A_L<35..17> - @lost_lib.LOST 100C3 FSB_A_L<4> FSB_A_L<4> - @lost_lib.LOST 6D7 8D4 FSB_A_L<5> FSB_A_L<5> - @lost_lib.LOST 6D7 8D4 FSB_A_L<6> FSB_A_L<6> - @lost_lib.LOST 6D7 8D4 FSB_A_L<7> FSB_A_L<7> - @lost_lib.LOST 6D7 8D4 FSB_A_L<8> FSB_A_L<8> - @lost_lib.LOST 6D7 8D4 FSB_A_L<9> FSB_A_L<9> - @lost_lib.LOST 6D7 8D4 FSB_A_L<10> FSB_A_L<10> - @lost_lib.LOST 6D7 8D4 FSB_A_L<11> FSB_A_L<11> - @lost_lib.LOST 6D7 8D4 FSB_A_L<12> FSB_A_L<12> - @lost_lib.LOST 6D7 8D4 FSB_A_L<13> FSB_A_L<13> - @lost_lib.LOST 6D7 8D4 FSB_A_L<14> FSB_A_L<14> - 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@lost_lib.LOST 6D6 8C4 100D3 FSB_CVREF FSB_CVREF - @lost_lib.LOST 8C4 FSB_CPUREST_L FSB_CPUREST_L - @lost_lib.LOST 6C6 8A2 8A4 100D3 FSB_CPUREST_L FSB_CPUREST_L - @lost_lib.LOST 6C2 8A2 8A4 100D3 FSB_DBSY_L FSB_DBSY_L - @lost_lib.LOST 5D7 6D6 8B4 100D3 FSB_DEFER_L FSB_DEFER_L - @lost_lib.LOST 5D7 6D6 8B4 100D3 FSB_DINV_L<0> FSB_DINV_L<0> - @lost_lib.LOST 6C4 8B4 100D3 FSB_DINV_L<3..0> FSB_DINV_L<3..0> - @lost_lib.LOST 5C7 FSB_DINV_L<1> FSB_DINV_L<1> - @lost_lib.LOST 6B4 8B4 100C3 FSB_DINV_L<2> FSB_DINV_L<2> - @lost_lib.LOST 6C2 8B4 100C3 FSB_DINV_L<3> FSB_DINV_L<3> - @lost_lib.LOST 6B2 8B4 100C3 FSB_DPWR_L FSB_DPWR_L - @lost_lib.LOST 5C7 6A2 8B4 100D3 FSB_DRY_L FSB_DRY_L - @lost_lib.LOST 5D7 6D6 8B4 100D3 FSB_DSTB_L_N<0> FSB_DSTB_L_N<0> - @lost_lib.LOST 6C4 8B4 100C3 FSB_DSTB_L_N<3..0> FSB_DSTB_L_N<3..0> - @lost_lib.LOST 5C7 FSB_DSTB_L_N<1> FSB_DSTB_L_N<1> - @lost_lib.LOST 6B4 8B4 100C3 FSB_DSTB_L_N<2> FSB_DSTB_L_N<2> - @lost_lib.LOST 6C2 8B4 100C3 FSB_DSTB_L_N<3> FSB_DSTB_L_N<3> - @lost_lib.LOST 6B2 8B4 100C3 FSB_DSTB_L_P<0> FSB_DSTB_L_P<0> - 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@lost_lib.LOST 6C4 8D6 FSB_D_L<14> FSB_D_L<14> - @lost_lib.LOST 6C4 8D6</pre>	<pre>FBSR_D_L<15> FBSR_D_L<15> - @lost_lib.LOST 6C4 8C6 FBSR_D_L<16> FBSR_D_L<16> - @lost_lib.LOST 6C4 8C6 FBSR_D_L<31..16> FBSR_D_L<31..16> - @lost_lib.LOST 100C3 FBSR_D_L<17> FBSR_D_L<17> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<18> FBSR_D_L<18> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<19> FBSR_D_L<19> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<20> FBSR_D_L<20> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<21> FBSR_D_L<21> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<22> FBSR_D_L<22> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<23> FBSR_D_L<23> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<24> FBSR_D_L<24> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<25> FBSR_D_L<25> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<26> FBSR_D_L<26> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<27> FBSR_D_L<27> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<28> FBSR_D_L<28> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<29> FBSR_D_L<29> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<30> FBSR_D_L<30> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<31> FBSR_D_L<31> - @lost_lib.LOST 6B4 8C6 FBSR_D_L<32> FBSR_D_L<32> - 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@lost_lib.LOST 1882 28A8 FWA_PWR_SICT FWA_PWR_SICT - @lost_lib.LOST 1881 28A8 28C8 FW_SICT_L FW_SICT_L - @lost_lib.LOST 18A6 G3H_3V42_BOOST G3H_3V42_BOOST - @lost_lib.LOST 24C5 G3H_3V42_FB G3H_3V42_FB - @lost_lib.LOST 24C5 G3H_3V42_GND G3H_3V42_GND - @lost_lib.LOST 24C5 G3H_3V42_SHDN_L G3H_3V42_SHDN_L - @lost_lib.LOST 24C6 G3H_3V42_SW G3H_3V42_SW - @lost_lib.LOST 24C5 GND_AUDIO_AMP GND_AUDIO_AMP - @lost_lib.LOST 37A6 GND_AUDIO_CODEC GND_AUDIO_CODEC - @lost_lib.LOST 5B6 36A6 36B7 36D2 38B1 38B3 39A7 40B3 40C8 41B4 42A4 42A8 42B2 42B5 42C3 42C7 76B7 39B7 50A2 39B4 51A2 36B3 38B5 38C7 41C4 36B3 36D2 36D7 28C2 29A1 29B7 35B1 31B3 30D1 31B2 506 30B1 30D2 30D3 31B3 31C1 30D3 31B1 31B6 30D3 31B2 30D1 31C6 31C6 30C3 30D1 31C6 30D1 31C6 30D1 31C6 30D1 31C6 HDA_BITCLK HDA_BITCLK - @lost_lib.LOST 10B2 10B4 103D1 HDA_BITCLK_AUDIO HDA_BITCLK_AUDIO - @lost_lib.LOST 10B1 36C7 103C1 HDA_RST_L HDA_RST_L - @lost_lib.LOST 10B2 10B4 103D1</pre>	<pre>HDA_RST_L_AUDIO HDA_RST_L_AUDIO - @lost_lib.LOST 10B1 36C7 103C1 HDA_SDI_0 HDA_SDI_0 - @lost_lib.LOST 10B2 10B4 103D1 HDA_SDI_1 HDA_SDI_1 - @lost_lib.LOST 10B1 36C7 HDA_SDI_1 HDA_SDI_1 - @lost_lib.LOST 103D1 HDA_SDO HDA_SDO - @lost_lib.LOST 10A4 10B2 103D1 HDA_SDO_AUDIO HDA_SDO_AUDIO - @lost_lib.LOST 10B1 36C7 103C1 HDA_SYNC HDA_SYNC - @lost_lib.LOST 10B2 10B4 103D1 HDA_SYNC_AUDIO HDA_SYNC_AUDIO - @lost_lib.LOST 10B1 36C7 103C1 HOME_L HOME_L - @lost_lib.LOST 5A7 28B2 29B4 51C1 SMC_LID SMC_LID - @lost_lib.LOST 28B3 28B5 29D4 HOST_INT_N HOST_INT_N - @lost_lib.LOST 30C3 30C4 30D1 31C5 HOST_INT_N_R1 HOST_INT_N_R1 - @lost_lib.LOST 30C3 HOST_MISO HOST_MISO - @lost_lib.LOST 30C3 30C3 31B6 31D1 HOST_MOSI HOST_MOSI - @lost_lib.LOST 30C3 31B6 31D1 HOST_REFCLK HOST_REFCLK - @lost_lib.LOST 31A5 31B6 105B3 HOST_SCLK HOST_SCLK - @lost_lib.LOST 30D4 31B5 31D3 HOST_SCLK_ROM HOST_SCLK_ROM - @lost_lib.LOST 31B2 HOST_SCLK_USB_R HOST_SCLK_USB_R - @lost_lib.LOST 30B3 HOST_SCLK_Z2_R HOST_SCLK_Z2_R - @lost_lib.LOST 31B6 HP1_BP HP1_BP - @lost_lib.LOST 42B3 HP1_SWDET HP1_SWDET - @lost_lib.LOST 42B3 HP2_BP HP2_BP - @lost_lib.LOST 42B7 HP2_SWDET HP2_SWDET - @lost_lib.LOST 42B7 IDE_PDIOIRY IDE_PDIOIRY - @lost_lib.LOST 10B7 10C7 103D1 IMVP_VR_ON IMVP_VR_ON - @lost_lib.LOST 20B6 28D8 INT_IRQ14 INT_IRQ14 - @lost_lib.LOST 10B7 10C7 103D1 INT_SERRIRQ INT_SERRIRQ - @lost_lib.LOST 506 28C8 100D1 LCDVDD_PWREN_L LCDVDD_PWREN_L - @lost_lib.LOST 32D7 LCDVDD_PWREN_L_R LCDVDD_PWREN_L_R - @lost_lib.LOST 32D7 LED_BOOST_GND LED_BOOST_GND - @lost_lib.LOST 26B4 LED_COMP LED_COMP - @lost_lib.LOST 26C4 LED_EN LED_EN - @lost_lib.LOST 26B4 LED_IO1_R LED_IO1_R - @lost_lib.LOST 26C6 LED_IO2_R LED_IO2_R - @lost_lib.LOST 26C6 LED_IO3_R LED_IO3_R - @lost_lib.LOST 26C6 LED_IO4_R LED_IO4_R - @lost_lib.LOST 26C6 LED_IOS_R LED_IOS_R - @lost_lib.LOST 26B4 LED_IOSSET LED_IOSSET - @lost_lib.LOST 26B5 LED_IO_1 LED_IO_1 - @lost_lib.LOST 5C6 26A4 32C2 LED_IO_2 LED_IO_2 - @lost_lib.LOST 5C6 26A4 32C2 LED_IO_3 LED_IO_3 - @lost_lib.LOST 5C6 26A4 32C2 LED_IO_4 LED_IO_4 - @lost_lib.LOST 5C6 26A4 32C2 LED_IO_5 LED_IO_5 - @lost_lib.LOST 5C6 26A4 32C2 LED_OVPIN LED_OVPIN - 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@lost_lib.LOST 90C 28C8 52C3 100D1 LPC_MEZ_AD<0> LPC_MEZ_AD<0> - @lost_lib.LOST 50C3 51C1 52C2 LPC_MEZ_AD<3..0> LPC_MEZ_AD<3..0> - @lost_lib.LOST 50C3 51C1 52C2 LPC_MEZ_AD<1> LPC_MEZ_AD<1> - @lost_lib.LOST 50C3 51C1 52C2 LPC_MEZ_AD<2> LPC_MEZ_AD<2> - @lost_lib.LOST 50C3 51C1 52C2 LPC_MEZ_AD<3> LPC_MEZ_AD<3> - @lost_lib.LOST 50C3 51C1 52C2 LPC_MEZ_CLK_FWH LPC_MEZ_CLK_FWH - @lost_lib.LOST 5B6 50B3 51C1 52C2 105C1 LPC_MEZ_FRAME_L LPC_MEZ_FRAME_L - @lost_lib.LOST 5B6 50B3 51C1 52C2 100D2 LVDS_BKLTCTL LVDS_BKLTCTL - @lost_lib.LOST 9C6 26B8 LVDS_BKLTEN LVDS_BKLTEN - @lost_lib.LOST 9C6 26B2 LVDS_CLK_N LVDS_CLK_N - @lost_lib.LOST 5C6 9C6 32C4 101C1 LVDS_CLK_P LVDS_CLK_P - @lost_lib.LOST 5C6 9C6 32C4 101C1 LVDS_CONN_CLK_N LVDS_CONN_CLK_N - @lost_lib.LOST 32C2 101C1 LVDS_CONN_CLK_P LVDS_CONN_CLK_P - @lost_lib.LOST 32C2 101C1 LVDS_DATA_N<0> LVDS_DATA_N<0> - @lost_lib.LOST 9C6 32C2 LVDS_DATA_N<2..0> LVDS_DATA_N<2..0> - @lost_lib.LOST 5C6 101C1 LVDS_DATA_N<1> LVDS_DATA_N<1> - @lost_lib.LOST 9C6 32C2 LVDS_DATA_N<2> LVDS_DATA_N<2> - @lost_lib.LOST 9C6 32C2 LVDS_DATA_P<0> LVDS_DATA_P<0> - @lost_lib.LOST 9C6 32C2 LVDS_DATA_P<2..0> LVDS_DATA_P<2..0> - @lost_lib.LOST 5C6 101C1 LVDS_DATA_P<1> LVDS_DATA_P<1> - @lost_lib.LOST 9C6 32C2 LVDS_DATA_P<2> LVDS_DATA_P<2> - @lost_lib.LOST 9C6 32C2 LVDS_DDC_CLK LVDS_DDC_CLK - @lost_lib.LOST 5D6 9C6 32C5 LVDS_DDC_DATA LVDS_DDC_DATA - @lost_lib.LOST 5D6 9C6 32C5 LVDS_VDDEN LVDS_VDDEN - @lost_lib.LOST 9C6 32D8 MAN_RST_C MAN_RST_C - @lost_lib.LOST 29D7 MAX8510_BP MAX8510_BP - @lost_lib.LOST 76C6 MAX9705_IN_N MAX9705_IN_N - @lost_lib.LOST 37B6 MAX9705_IN_P MAX9705_IN_P - @lost_lib.LOST 37B6 MAX9705_N_IN MAX9705_N_IN - @lost_lib.LOST 37B5 MAX9724_IN MAX9724_IN - @lost_lib.LOST 37B5 MAX9724_CIN MAX9724_CIN - @lost_lib.LOST 38C6 MAX9724_CIP MAX9724_CIP - @lost_lib.LOST 38C6 MAX9724_VSS MAX9724_VSS - @lost_lib.LOST 38C6 MEMV_DDSSET MEMV_DDSSET - @lost_lib.LOST 23C6 MEMV_DDR_CS MEMV_DDR_CS - @lost_lib.LOST 23B6 MEMV_DRVCH MEMV_DRVCH - @lost_lib.LOST 23B4 MEMV_DRVL MEMV_DRVL - @lost_lib.LOST 23B4 MEMV_LL MEMV_LL - @lost_lib.LOST 23B4 MEMV_VBST MEMV_VBST - @lost_lib.LOST 23C4 MEMV_VTRFB MEMV_VTRFB - @lost_lib.LOST 23C4 MEM_V_FILT MEM_V_FILT - @lost_lib.LOST 23B6 23C5 MEM_A<0> MEM_A<0> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<31..0> MEM_A<31..0> - @lost_lib.LOST 5D7 102D2 MEM_A<1> MEM_A<1> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<2> MEM_A<2> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<3> MEM_A<3> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<4> MEM_A<4> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<5> MEM_A<5> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<6> MEM_A<6> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<7> MEM_A<7> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<8> MEM_A<8> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<9> MEM_A<9> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<10> MEM_A<10> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<11> MEM_A<11> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<12> MEM_A<12> - @lost_lib.LOST 11C4 14B4 14B7 14D3 14D7 MEM_A<13> MEM_A<13> - @lost_lib.LOST 11B4 14A2 14A5 14C1 14C5 MEM_B<0> MEM_B<0> - @lost_lib.LOST 11D4 14B4 14B7 14C3 14C7 MEM_B<32..0> MEM_B<32..0> - @lost_lib.LOST 5D7 102D2 MEM_B<31> MEM_B<31> - @lost_lib.LOST 11D4 14B4 14B7 14C3 14C7</pre>	<pre>MEM_BS<2> MEM_BS<2> - @lost_lib.LOST 11D4 14A2 14A5 14C1 14C5 MEM_CAS_L MEM_CAS_L - @lost_lib.LOST 11B4 14A4 14A7 14C3 14C7 MEM_CKE MEM_CKE - @lost_lib.LOST 102D2 MEM_CLK_N<0> MEM_CLK_N<0> - @lost_lib.LOST 11C4 14A4 14A7 14C3 14C7 MEM_CLK_N<1> MEM_CLK_N<1> - @lost_lib.LOST 11C4 14A4 14A7 14C3 14C7 MEM_CLK_P<0> MEM_CLK_P<0> - @lost_lib.LOST 11C4 14A4 14A7 14C3 14C7 MEM_CLK_P<1> MEM_CLK_P<1> - @lost_lib.LOST 11C4 14A4 14A7 14C3 14C7 MEM_CS_L MEM_CS_L - @lost_lib.LOST 11B4 14A4 14A7 14C3 14C7 MEM_DQ<0> MEM_DQ<0> - @lost_lib.LOST 11D6 14D5 MEM_DQ<7..0> MEM_DQ<7..0> - @lost_lib.LOST 102D2 MEM_DQ<63..0> MEM_DQ<63..0> - @lost_lib.LOST 5D7 MEM_DQ<63..56> MEM_DQ<63..56> - @lost_lib.LOST 102C2 MEM_DQ<61> MEM_DQ<61> - @lost_lib.LOST 11D6 14D5 MEM_DQ<62> MEM_DQ<62> - @lost_lib.LOST 11D6 14D5 MEM_DQ<63> MEM_DQ<63> - @lost_lib.LOST 11D6 14D5 MEM_DQ<64> MEM_DQ<64> - @lost_lib.LOST 11D6 14D5 MEM_DQ<65> MEM_DQ<65> - @lost_lib.LOST 11D6 14D5 MEM_DQ<66> MEM_DQ<66> - @lost_lib.LOST 11D6 14D5 MEM_DQ<67> MEM_DQ<67> - @lost_lib.LOST 11C6 14D5 MEM_DQ<68> MEM_DQ<68> - @lost_lib.LOST 11C6 14D5 MEM_DQ<69..8> MEM_DQ<69..8> - @lost_lib.LOST 5D7 MEM_DQ<69..8> MEM_DQ<69..8> - @lost_lib.LOST 102D2 MEM_DQ<69> MEM_DQ<69> - @lost_lib.LOST 11C6 14C5 MEM_DQ<10> MEM_DQ<10> - @lost_lib.LOST 11C6 14D5 MEM_DQ<11> MEM_DQ<11> - @lost_lib.LOST 11C6 14D5 MEM_DQ<12> MEM_DQ<12> - @lost_lib.LOST 11C6 14C5 MEM_DQ<13> MEM_DQ<13> - @lost_lib.LOST 11C6 14D5 MEM_DQ<14> MEM_DQ<14> - @lost_lib.LOST 11C6 14C5 MEM_DQ<15> MEM_DQ<15> - @lost_lib.LOST 11C6 14D5 MEM_DQ</pre>					

<p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>	<p>8</p> <p>7</p> <p>6</p> <p>5</p> <p>4</p> <p>3</p> <p>2</p> <p>1</p>
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	8	7	6	5	4	3	2	1
D	TP_LVDS_DATAP3 TP_LVDS_VSYNC_OUT TP_PCIE_PER1_N TP_PCIE_PER1_P TP_PCIE_PER2_N TP_PCIE_PER2_P TP_PCIE_PET1_N TP_PCIE_PET1_P TP_PCIE_PET2_N TP_PCIE_PET2_P TP_SCART_CVBS TP_SCART_VGA_B TP_SCART_VGA_G TP_SCART_VGA_R TP_SCH_CLK_LPC_1 TP_SCH_CLK_LPC_2 TP_SCH_GPIOSUB0 TP_SCH_GPIO_9 TP_SCH_PILMON1 TP_SCH_PILMON1_L TP_SCH_RESVRD0 TP_SCH_RESVRD8 TP_SCH_SD0_DATA6 TP_SCH_SD1_CLK TP_SCH_SD2_CLK TP_U0600_G28 TP_U0600_R27 TP_U0600_U30 TP_U0600_V27 TP_U3101_TCK TP_U3101_TDI TP_U3101_TDO TP_U3101_TMS TP_USB_D_N TP_USB_D_P TP_USB_G_N TP_USB_G_P TP_USB_H_N TP_USB_H_P TP_WL_TCK TP_WL_TDI TP_WL_TDO TP_WL_TMS TP_WL_TRST_L TVCLK_N TVCLK_P TVOUT_DOCKS_EN U6700_R1 U6700_R2 U6700_R3 U6700_R4 U6710_R1 U6710_R2 U6710_R3 U6710_R4 USBA_EXT_N USBA_EXT_P USBA_GATE USBA_GATE_D USBA_PWR_DETECT_L USBA_PWR_SLCT USBB_EXT_N USBB_EXT_P USBB_GATE USBB_GATE_D USBB_PWR_DETECT_L USBB_PWR_SLCT USBC USB_BT_N USB_BT_P USB_CAMERA_CONN_N USB_CAMERA_CONN_P USB_CAMERA_N USB_CAMERA_P USB_C_N USB_C_P USB_C_P USB_FLASH_CON_N USB_FLASH_CON_P USB_FLASH_N USB_FLASH_P USB_GRAPE_N USB_GRAPE_P USB_LAND_DOCK_N USB_LAND_DOCK_P USB_PORT_DOCK_N USB_PORT_DOCK_P USB_PSOC_N USB_PSOC_P USB_PWR_A USB_PWR_B USB_RBIA_PN VCORE_BG VCORE_BOOT VCORE_BOOT_RCD VCORE_CLSET VCORE_CS VCORE_CSN VCORE_CSP VCORE_CSP_R VCORE_DAC VCORE_DRN VCORE_ERRROUT VCORE_FBN VCORE_FBP VCORE_GND VCORE_HYS VCORE_RAMP VCORE_SS VCORE_TG VCORE_TTRIP VCORE_VCCA VCORE_VREF VR_FMRD0_CLKEN_L VSSAPCIEBG WL_HOST_WAKE WL_RESET_L WL_WAKE_L XDP_BPM_L<0> XDP_BPM_L<4..0> XDP_BPM_L<1> XDP_BPM_L<2> XDP_BPM_L<3>	TP_LVDS_DATAP3 - @lost_lib.LOST 9C6 TP_LVDS_VSYNC_OUT - @lost_lib.LOST 5D6 32C2 TP_PCIE_PER1_N - @lost_lib.LOST 9B4 TP_PCIE_PER1_P - @lost_lib.LOST 9B4 TP_PCIE_PER2_N - @lost_lib.LOST 9B4 TP_PCIE_PER2_P - @lost_lib.LOST 9B4 TP_PCIE_PET1_N - @lost_lib.LOST 9B4 TP_PCIE_PET1_P - @lost_lib.LOST 9B4 TP_PCIE_PET2_N - @lost_lib.LOST 9B4 TP_PCIE_PET2_P - @lost_lib.LOST 9B4 TP_SCART_CVBS - @lost_lib.LOST 94C5 TP_SCART_VGA_B - @lost_lib.LOST 94C5 TP_SCART_VGA_G - @lost_lib.LOST 94C5 TP_SCART_VGA_R - @lost_lib.LOST 94C5 TP_SCH_CLK_LPC_1 - @lost_lib.LOST 9D6 TP_SCH_CLK_LPC_2 - @lost_lib.LOST 9D6 TP_SCH_GPIOSUB0 - @lost_lib.LOST 10C5 TP_SCH_GPIO_9 - @lost_lib.LOST 10B5 TP_SCH_PILMON1 - @lost_lib.LOST 8A6 TP_SCH_PILMON1_L - @lost_lib.LOST 8A6 TP_SCH_RESVRD0 - @lost_lib.LOST 9D4 TP_SCH_RESVRD8 - @lost_lib.LOST 9D4 TP_SCH_SD0_DATA6 - @lost_lib.LOST 9B6 TP_SCH_SD1_CLK - @lost_lib.LOST 9B6 TP_SCH_SD2_CLK - @lost_lib.LOST 9B6 TP_U0600_G28 - @lost_lib.LOST 6B5 TP_U0600_R27 - @lost_lib.LOST 6B7 TP_U0600_U30 - @lost_lib.LOST 6B5 TP_U0600_V27 - @lost_lib.LOST 6B5 TP_U3101_TCK - @lost_lib.LOST 31C6 TP_U3101_TDI - @lost_lib.LOST 31C6 TP_U3101_TDO - @lost_lib.LOST 31C6 TP_U3101_TMS - @lost_lib.LOST 31C6 TP_USB_D_N - @lost_lib.LOST 10D7 103B4 TP_USB_D_P - @lost_lib.LOST 10D7 103B4 TP_USB_G_N - @lost_lib.LOST 10D7 103B4 TP_USB_G_P - @lost_lib.LOST 10D7 103B4 TP_USB_H_N - @lost_lib.LOST 10D7 103B4 TP_USB_H_P - @lost_lib.LOST 10C7 103B4 TP_WL_TCK - @lost_lib.LOST 96B3 TP_WL_TDI - @lost_lib.LOST 96B3 TP_WL_TDO - @lost_lib.LOST 96B3 TP_WL_TMS - @lost_lib.LOST 96B3 TP_WL_TRST_L - @lost_lib.LOST 96B3 TVCLK_N - @lost_lib.LOST 94B7 101B4 TVCLK_P - @lost_lib.LOST 94B7 101B4 TVOUT_DOCKS_EN - @lost_lib.LOST 10B4 10C2 75B8 U6700_R1 - @lost_lib.LOST 67B6 U6700_R2 - @lost_lib.LOST 67B6 U6700_R3 - @lost_lib.LOST 67B6 U6700_R4 - @lost_lib.LOST 67B6 U6710_R1 - @lost_lib.LOST 67B3 U6710_R2 - @lost_lib.LOST 67B3 U6710_R3 - @lost_lib.LOST 67B3 U6710_R4 - @lost_lib.LOST 67B3 USBA_EXT_N - @lost_lib.LOST 35D6 USBA_EXT_P - @lost_lib.LOST 35D6 USBA_GATE - 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@lost_lib.LOST 10D7 30D4 103C4 USB_GRAPE_P - @lost_lib.LOST 10D7 30D4 103C4 USB_LAND_DOCK_N - @lost_lib.LOST 35A3 35D5 50D3 103D4 USB_LAND_DOCK_P - @lost_lib.LOST 35A3 35D5 50D3 103D4 USB_PORT_DOCK_N - @lost_lib.LOST 35A3 35C5 51D3 103D4 USB_PORT_DOCK_P - @lost_lib.LOST 35A3 35C5 51D3 103D4 USB_PSOC_N - @lost_lib.LOST 30D3 USB_PSOC_P - @lost_lib.LOST 30D3 USB_PWR_A - @lost_lib.LOST 18D2 50D7 USB_PWR_B - @lost_lib.LOST 18C3 51D7 USB_RBIA_PN - @lost_lib.LOST 10C7 VCORE_BG - @lost_lib.LOST 20C5 VCORE_BOOT - @lost_lib.LOST 20C5 VCORE_BOOT_RCD - @lost_lib.LOST 20D4 VCORE_CLSET - @lost_lib.LOST 20C6 VCORE_CS - @lost_lib.LOST 20B2 VCORE_CSN - @lost_lib.LOST 20C6 VCORE_CSP - @lost_lib.LOST 20C6 VCORE_CSP_R - @lost_lib.LOST 20B3 VCORE_DAC - @lost_lib.LOST 20C6 VCORE_DRN - @lost_lib.LOST 20C5 VCORE_ERRROUT - @lost_lib.LOST 20C5 VCORE_FBN - @lost_lib.LOST 20C6 VCORE_FBP - @lost_lib.LOST 20C6 VCORE_GND - @lost_lib.LOST 20A4 20B6 20C8 VCORE_HYS - @lost_lib.LOST 20C6 VCORE_RAMP - @lost_lib.LOST 20B5 VCORE_SS - 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	8	7	6	5	4	3	2	1

	8	7	6	5	4	3	2	1
Title: Cref Part Report								
	Design: lost							
Date: Feb 19 11:01:06 2008								
D	C0500 CAP_1210 lost[501]	C1800 CAP_0805 lost[18C7]	C1801 CAP_402 lost[18B5]	C2704 CAP_402 lost[27B6]	C4224 CAP_201 lost[42A7]	C4225 CAP_201 lost[42B6]		
	C0501 CAP_1210 lost[501]	C1802 CAP_402 lost[18C5]	C1803 CAP_402 lost[18D4]	C2705 CAP_402 lost[27B6]	C4226 CAP_201 lost[42B6]	C4300 CAP_402 lost[43C5]		
	C0502 CAP_1210 lost[501]	C1804 CAP_805 lost[19D7]	C1910 CAP_805 lost[19D7]	C2707 CAP_201 lost[27B5]	C4301 CAP_402 lost[43D4]	C5000 CAP_201 lost[50C7]		
	C0504 CAP_1210 lost[501]	C1929 CAP_0805 lost[19D8]	C1930 CAP_0805 lost[19D8]	C2757 CAP_201 lost[27A6]	C5084 CAP_402 lost[50D7]	C5084 CAP_402 lost[50D8]		
	C0505 CAP_1210 lost[501]	C1931 CAP_201 lost[19B7]	C1932 CAP_201 lost[19B8]	C2758 CAP_201 lost[27A6]	C5086 CAP_201 lost[50B6]	C5086 CAP_201 lost[50B6]		
	C0506 CAP_1210 lost[501]	C1933 CAP_201 lost[19B8]	C1934 CAP_402 lost[19D5]	C2759 CAP_201 lost[27A5]	C5100 CAP_201 lost[51C7]	C5100 CAP_201 lost[51C7]		
	C0507 CAP_1210 lost[501]	C1935 CAP_0805 lost[19D4]	C1936 CAP_805 lost[19D5]	C2760 CAP_201 lost[27A5]	C5184 CAP_402 lost[51D7]	C5184 CAP_402 lost[51D7]		
	C0508 CAP_1210 lost[501]	C1937 CAP_P_SM lost[19C3]	C1938 CAP_201 lost[19C2]	C2803 CAP_201 lost[28D3]	C5186 CAP_402 lost[51D7]	C5186 CAP_402 lost[51D7]		
	C0509 CAP_1210 lost[501]	C1938 CAP_201 lost[19C2]	C1941 CAP_0805 lost[19D6]	C2804 CAP_201 lost[28D3]	C5190 CAP_201 lost[51D6]	C5190 CAP_201 lost[51D6]		
	C0600 CAP_201 lost[60A]	C1942 CAP_201 lost[19C6]	C1944 CAP_201 lost[19C7]	C2805 CAP_201 lost[28D3]	C5200 CAP_201 lost[52C6]	C5200 CAP_201 lost[52C6]		
	C0601 CAP_201 lost[60A]	C1943 CAP_402 lost[19C7]	C1944 CAP_201 lost[19C7]	C2806 CAP_201 lost[28D3]	C5201 CAP_201 lost[52C6]	C5201 CAP_201 lost[52C6]		
	C0700 CAP_402 lost[704]	C1944 CAP_201 lost[19C7]	C1945 CAP_201 lost[19C6]	C2807 CAP_805 lost[28D4]	C5202 CAP_201 lost[52C6]	C5202 CAP_201 lost[52C6]		
	C0701 CAP_402 lost[703]	C1945 CAP_201 lost[19C6]	C1946 CAP_201 lost[19B3]	C2808 CAP_402 lost[28D2]	C5203 CAP_201 lost[52B6]	C5203 CAP_201 lost[52B6]		
	C0702 CAP_201 lost[703]	C1946 CAP_201 lost[19B3]	C1947 CAP_201 lost[19A4]	C2900 CAP_201 lost[29C6]	C5208 CAP_201 lost[52C3]	C5208 CAP_201 lost[52C3]		
	C0703 CAP_402 lost[703]	C1947 CAP_201 lost[19A4]	C1948 CAP_201 lost[19B4]	C2902 CAP_201 lost[29C6]	C6600 CAP_201 lost[66A7]	C6600 CAP_201 lost[66A7]		
	C0704 CAP_402 lost[703]	C1948 CAP_201 lost[19B4]	C1949 CAP_603 lost[19C2]	C2903 CAP_201 lost[29D7]	C6601 CAP_201 lost[66A6]	C6601 CAP_201 lost[66A6]		
	C0705 CAP_402 lost[704]	C1949 CAP_603 lost[19C2]	C1950 CAP_201 lost[19B2]	C2906 CAP_201 lost[29C7]	C6602 CAP_201 lost[66A6]	C6602 CAP_201 lost[66A6]		
	C0706 CAP_402 lost[703]	C1950 CAP_201 lost[19B2]	C1951 CAP_201 lost[19C6]	C2907 CAP_603 lost[29B7]	C6603 CAP_402 lost[66D7]	C6603 CAP_402 lost[66D7]		
	C0708 CAP_201 lost[706]	C1951 CAP_201 lost[19C6]	C1952 CAP_201 lost[19C3]	C2908 CAP_402 lost[29B8]	C6604 CAP_201 lost[66D7]	C6604 CAP_201 lost[66D7]		
	C0709 CAP_201 lost[706]	C1952 CAP_201 lost[19C3]	C1953 CAP_201 lost[19D2]	C2909 CAP_402 lost[29D7]	C6605 CAP_201 lost[66D7]	C6605 CAP_201 lost[66D7]		
	C0710 CAP_402 lost[706]	C1953 CAP_201 lost[19D2]	C1954 CAP_201 lost[19C6]	C2910 CAP_201 lost[29D8]	C6606 CAP_201 lost[66D6]	C6606 CAP_201 lost[66D6]		
	C0711 CAP_402 lost[701]	C1954 CAP_201 lost[19C6]	C1955 CAP_201 lost[19C3]	C3000 CAP_603 lost[30A3]	C6607 CAP_201 lost[66D6]	C6607 CAP_201 lost[66D6]		
	C0712 CAP_402 lost[702]	C1955 CAP_201 lost[19C3]	C1956 CAP_201 lost[19B2]	C3001 CAP_603 lost[30A5]	C6608 CAP_402 lost[66D6]	C6608 CAP_402 lost[66D6]		
	C0713 CAP_402 lost[702]	C1956 CAP_201 lost[19B2]	C1957 CAP_201 lost[19A3]	C3002 CAP_402 lost[30D1]	C6610 CAP_201 lost[66C2]	C6610 CAP_201 lost[66C2]		
	C0714 CAP_402 lost[702]	C1957 CAP_201 lost[19A3]	C1958 CAP_402 lost[19D4]	C3003 CAP_201 lost[30D2]	C6602 CAP_201 lost[66A7]	C6602 CAP_201 lost[66A7]		
	C0715 CAP_402 lost[702]	C1958 CAP_402 lost[19D4]	C1971 CAP_201 lost[19C2]	C3004 CAP_201 lost[30D6]	C6621 CAP_201 lost[66C6]	C6621 CAP_201 lost[66C6]		
	C0716 CAP_402 lost[703]	C1971 CAP_201 lost[19C2]	C1990 CAP_201 lost[19A6]	C3005 CAP_603 lost[30D6]	C6700 CAP_201 lost[67C5]	C6700 CAP_201 lost[67C5]		
	C0717 CAP_201 lost[706]	C1990 CAP_201 lost[19A6]	C1991 CAP_201 lost[19A6]	C3006 CAP_201 lost[30D7]	C6701 CAP_201 lost[67C5]	C6701 CAP_201 lost[67C5]		
	C0718 CAP_201 lost[705]	C1991 CAP_201 lost[19A6]	C1992 CAP_201 lost[19A6]	C3007 CAP_603 lost[30D8]	C6702 CAP_402 lost[67C5]	C6702 CAP_402 lost[67C5]		
	C0719 CAP_402 lost[706]	C1992 CAP_201 lost[19A6]	C1993 CAP_201 lost[19A5]	C3008 CAP_0201 lost[30A3]	C6710 CAP_201 lost[67C2]	C6710 CAP_201 lost[67C2]		
	C0750 CAP_402 lost[702]	C1993 CAP_201 lost[19A5]	C1994 CAP_201 lost[19C2]	C3009 CAP_402 lost[30A4]	C6711 CAP_201 lost[67C2]	C6711 CAP_201 lost[67C2]		
	C0751 CAP_402 lost[702]	C1994 CAP_201 lost[19C2]	C2000 CAP_805 lost[20C3]	C3052 CAP_201 lost[30D5]	C6712 CAP_402 lost[67C2]	C6712 CAP_402 lost[67C2]		
	C0752 CAP_402 lost[702]	C2000 CAP_805 lost[20C3]	C2001 CAP_402 lost[20D6]	C3053 CAP_603 lost[30D5]	C7502 CAP_201 lost[75C7]	C7502 CAP_201 lost[75C7]		
	C0753 CAP_402 lost[702]	C2001 CAP_402 lost[20D6]	C2002 CAP_402 lost[20D6]	C3100 CAP_201 lost[31D2]	C7510 CAP_201 lost[75C5]	C7510 CAP_201 lost[75C5]		
	C0754 CAP_402 lost[702]	C2002 CAP_402 lost[20D6]	C2003 CAP_402 lost[20C2]	C3101 CAP_402 lost[31D3]	C7511 CAP_201 lost[75C5]	C7511 CAP_201 lost[75C5]		
	C0800 CAP_201 lost[80B]	C2003 CAP_402 lost[20C2]	C2004 CAP_805 lost[20C3]	C3102 CAP_201 lost[31D4]	C7512 CAP_201 lost[75C5]	C7512 CAP_201 lost[75C5]		
	C0801 CAP_201 lost[80B]	C2004 CAP_805 lost[20C3]	C2005 CAP_402 lost[20C4]	C3103 CAP_201 lost[31D4]	C7513 CAP_201 lost[75C5]	C7513 CAP_201 lost[75C5]		
	C0802 CAP_201 lost[80C]	C2005 CAP_402 lost[20C4]	C2006 CAP_201 lost[20C2]	C3104 CAP_402 lost[31D4]	C7514 CAP_201 lost[75B5]	C7514 CAP_201 lost[75B5]		
	C0900 CAP_201 lost[90D]	C2006 CAP_201 lost[20C2]	C2007 CAP_201 lost[20B3]	C3105 CAP_201 lost[31D6]	C7515 CAP_201 lost[75B5]	C7515 CAP_201 lost[75B5]		
	C0901 CAP_402 lost[90C]	C2007 CAP_201 lost[20B3]	C2008 CAP_201 lost[20B2]	C3106 CAP_201 lost[31D6]	C7516 CAP_201 lost[75B5]	C7516 CAP_201 lost[75B5]		
	C0902 CAP_402 lost[90C]	C2008 CAP_201 lost[20B2]	C2009 CAP_P_SM lost[20B2]	C3107 CAP_201 lost[31D6]	C7517 CAP_201 lost[75B5]	C7517 CAP_201 lost[75B5]		
	C0905 CAP_402 lost[90C]	C2009 CAP_P_SM lost[20B2]	C2010 CAP_201 lost[20B1]	C3108 CAP_201 lost[31D6]	C7518 CAP_201 lost[75B5]	C7518 CAP_201 lost[75B5]		
	C1000 CAP_402 lost[10D4]	C2010 CAP_201 lost[20B1]	C2011 CAP_201 lost[20C7]	C3109 CAP_201 lost[31D7]	C7600 CAP_402-LF lost[76C7]	C7600 CAP_402-LF lost[76C7]		
	C1001 CAP_402 lost[10D5]	C2011 CAP_201 lost[20C7]	C2012 CAP_201 lost[20C7]	C3110 CAP_201 lost[31D7]	C7601 CAP_201 lost[76C5]	C7601 CAP_201 lost[76C5]		
	C1002 CAP_402 lost[10D5]	C2012 CAP_201 lost[20C7]	C2013 CAP_201 lost[20C7]	C3111 CAP_603 lost[31D7]	C7602 CAP_P_402 lost[76C5]	C7602 CAP_P_402 lost[76C5]		
	C1003 CAP_402 lost[10D4]	C2013 CAP_201 lost[20C7]	C2014 CAP_201 lost[20B4]	C3112 CAP_402 lost[31D7]	C7603 CAP_201 lost[76C5]	C7603 CAP_201 lost[76C5]		
	C1050 CAP_402 lost[10D4]	C2014 CAP_201 lost[20B4]	C2015 CAP_201 lost[20A4]	C3150 CAP_201 lost[31B2]	C7604 CAP_201 lost[76C7]	C7604 CAP_201 lost[76C7]		
	C1100 CAP_201 lost[11B2]	C2015 CAP_201 lost[20A4]	C2016 CAP_201 lost[20B5]	C3200 CAP_201 lost[32B3]	C7610 CAP_201 lost[76D4]	C7610 CAP_201 lost[76D4]		
	C1200 CAP_402 lost[12A5]	C2016 CAP_201 lost[20B5]	C2017 CAP_201 lost[20B5]	C3202 CAP_603 lost[32D5]	C7611 CAP_402 lost[76D4]	C7611 CAP_402 lost[76D4]		
	C1201 CAP_402 lost[12A6]	C2017 CAP_201 lost[20B5]	C2018 CAP_201 lost[20C4]	C3203 CAP_201 lost[32D6]	C7612 CAP_201 lost[76D3]	C7612 CAP_201 lost[76D3]		
C1202 CAP_402 lost[12A6]	C2018 CAP_201 lost[20C4]	C2019 CAP_201 lost[20C4]	C3204 CAP_201 lost[32D6]	C7613 CAP_402 lost[76D3]	C7613 CAP_402 lost[76D3]			
C1203 CAP_402 lost[12A7]	C2019 CAP_201 lost[20C4]	C2020 CAP_201 lost[20B7]	C3206 CAP_201 lost[32D3]	C7614 CAP_201 lost[76D2]	C7614 CAP_201 lost[76D2]			
C1204 CAP_402 lost[12B7]	C2020 CAP_201 lost[20B7]	C2021 CAP_201 lost[20B8]	C3303 CAP_201 lost[33C4]	C7615 CAP_402 lost[76D2]	C7615 CAP_402 lost[76D2]			
C1205 CAP_402 lost[12B7]	C2021 CAP_201 lost[20B8]	C2022 CAP_201 lost[20B7]	C3400 CAP_402-LF lost[34B4]	C7616 CAP_201 lost[76C3]	C7616 CAP_201 lost[76C3]			
C1206 CAP_402-LF lost[12D2]	C2022 CAP_201 lost[20B7]	C2023 CAP_201 lost[20C6]	C3401 CAP_201 lost[34B4]	C7617 CAP_201 lost[76C3]	C7617 CAP_201 lost[76C3]			
C1207 CAP_201 lost[12D3]	C2023 CAP_201 lost[20C6]	C2024 CAP_201 lost[20C2]	C3500 CAP_201 lost[35D3]	C7618 CAP_402 lost[76C3]	C7618 CAP_402 lost[76C3]			
C1208 CAP_201 lost[12D3]	C2024 CAP_201 lost[20C2]	C2100 CAP_P_SM lost[21C3]	C3502 CAP_402 lost[35B1]	C7620 CAP_201 lost[76B7]	C7620 CAP_201 lost[76B7]			
C1209 CAP_201 lost[12D2]	C2100 CAP_P_SM lost[21C3]	C2101 CAP_201 lost[21D3]	C3503 CAP_201 lost[35D8]	C7621 CAP_201 lost[76B7]	C7621 CAP_201 lost[76B7]			
C1210 CAP_201 lost[12B2]	C2101 CAP_201 lost[21D3]	C2102 CAP_201 lost[21C7]	C3504 CAP_201 lost[35B8]	C7622 CAP_201 lost[76B6]	C7622 CAP_201 lost[76B6]			
C1211 CAP_201 lost[12A3]	C2102 CAP_201 lost[21C7]	C2103 CAP_402 lost[21D5]	C3505 CAP_201 lost[35D6]	C7623 CAP_201 lost[76B6]	C7623 CAP_201 lost[76B6]			
C1212 CAP_201 lost[12A3]	C2103 CAP_402 lost[21D5]	C2104 CAP_603 lost[21D3]	C3506 CAP_201 lost[35C6]	C7630 CAP_201 lost[76C6]	C7630 CAP_201 lost[76C6]			
C1213 CAP_201 lost[12A3]	C2104 CAP_603 lost[21D3]	C2105 CAP_402 lost[21D5]	C3507 CAP_201 lost[35B4]	C7631 CAP_201 lost[76B5]	C7631 CAP_201 lost[76B5]			
C1215 CAP_201 lost[12B5]	C2105 CAP_402 lost[21D5]	C2107 CAP_402 lost[21B6]	C3600 CAP_P_0603-SM lost[36A5]	C7650 CAP_201 lost[76A5]	C7650 CAP_201 lost[76A5]			
C1216 CAP_201 lost[12B5]	C2107 CAP_402 lost[21B6]	C2108 CAP_603 lost[21B7]	C3601 CAP_201 lost[36A5]	C9000 CAP_201 lost[90B5]	C9000 CAP_201 lost[90B5]			
C1217 CAP_201 lost[12B1]	C2108 CAP_603 lost[21B7]	C2111 CAP_201 lost[21A2]	C3602 CAP_201 lost[36A3]	C9001 CAP_201 lost[90B4]	C9001 CAP_201 lost[90B4]			
C1219 CAP_402 lost[12C8]	C2111 CAP_201 lost[21A2]	C2112 CAP_P_B2-SM lost[21A3]	C3603 CAP_201 lost[36A5]	C9401 CAP_603 lost[94D7]	C9401 CAP_603 lost[94D7]			
C1221 CAP_402 lost[12C8]	C2112 CAP_P_B2-SM lost[21A3]	C2113 CAP_402 lost[21D7]	C3604 CAP_201 lost[36A4]	C9402 CAP_201 lost[94D7]	C9402 CAP_201 lost[94D7]			
C1222 CAP_201 lost[12A2]	C2113 CAP_402 lost[21D7]	C2114 CAP_402 lost[21C3]	C3610 CAP_402 lost[36D6]	C9403 CAP_201 lost[94D6]	C9403 CAP_201 lost[94D6]			
C1223 CAP_402 lost[12D8]	C2114 CAP_402 lost[21C3]	C2115 CAP_201 lost[21A3]	C3611 CAP_201 lost[36D6]	C9404 CAP_201 lost[94D6]	C9404 CAP_201 lost[94D6]			
C1224 CAP_402 lost[12B7]	C2115 CAP_201 lost[21A3]	C2116 CAP_201 lost[21B4]	C3612 CAP_201 lost[36D6]	C9405 CAP_603 lost[94D7]	C9405 CAP_603 lost[94D7]			
C1225 CAP_402-LF lost[12D2]	C2116 CAP_201 lost[21B4]	C2117 CAP_201 lost[21C3]	C3613 CAP_P_603-SM lost[36D5]	C9406 CAP_201 lost[94D7]	C9406 CAP_201 lost[94D7]			
C1226 CAP_402 lost[12D2]	C2117 CAP_201 lost[21C3]	C2118 CAP_201 lost[21B3]	C3614 CAP_201 lost[36D4]	C9407 CAP_603 lost[94C7]	C9407 CAP_603 lost[94C7]			
C1227 CAP_402 lost[12D1]	C2118 CAP_201 lost[21B3]	C2120 CAP_201 lost[21C6]	C3615 CAP_P_2012-LLP lost[36D4]	C9408 CAP_201 lost[94C7]	C9408 CAP_201 lost[94C7]			
C1230 CAP_402 lost[12A4]	C2120 CAP_201 lost[21C6]	C2121 CAP_201 lost[21C7]	C3616 CAP_201 lost[36D3]	C9409 CAP_603 lost[94C7]	C9409 CAP_603 lost[94C7]			
C1250 CAP_201 lost[12A3]	C2121 CAP_201 lost[21C7]	C2122 CAP_201 lost[21D4]	C3617 CAP_201 lost[36D3]	C9410 CAP_201 lost[94C7]	C9410 CAP_201 lost[94C7]			
C1251 CAP_201 lost[12A2]	C2122 CAP_201 lost[21D4]	C2123 CAP_201 lost[21C2]	C3618 CAP_603 lost[36D3]	C9411 CAP_201 lost[94C6]	C9411 CAP_201 lost[94C6]			
C1260 CAP_402 lost[12B6]	C2123 CAP_201 lost[21C2]	C2205 CAP_603 lost[22A5]	C3619 CAP_402-1 lost[36D6]	C9412 CAP_201 lost[94C6]	C9412 CAP_201 lost[94C6]			
C1261 CAP_402 lost[12D1]	C2205 CAP_603 lost[22A5]	C2209 CAP_03 lost[22A6]	C3620 CAP_402-1 lost[36D6]	C9413 CAP_201 lost[94D5]	C9413 CAP_201 lost[94D5]			
C1400 CAP_201 lost[14A4]	C2209 CAP_03 lost[22A6]	C2250 CAP_603 lost[22D7]	C3621 CAP_402-LF lost[36C6]	C9414 CAP_201 lost[94D5]	C9414 CAP_201 lost[94D5]			
C1402 CAP_201 lost[14D6]	C2250 CAP_603 lost[22D7]	C2251 CAP_201 lost[22C6]	C3622 CAP_402-LF lost[36C6]	C9415 CAP_201 lost[94D5]	C9415 CAP_201 lost[94D5]			
C1403 CAP_201 lost[14D4]	C2251 CAP_201 lost[22C6]	C2252 CAP_201 lost[22C4]	C3623 CAP_P_2012-LLP lost[36A4]	C9416 CAP_603 lost[94D4]	C9416 CAP_603 lost[94D4]			
C1404 CAP_201 lost[14D3]	C2252 CAP_201 lost[22C4]	C2253 CAP_603 lost[22C3]	C3624 CAP_P_402 lost[36A4]	C9417 CAP_201 lost[94C5]	C9417 CAP_201 lost[94C5]			
C1405 CAP_201 lost[14D3]	C2253 CAP_603 lost[22C3]	C2300 CAP_201 lost[23C7]	C3701 CAP_P_2012-LLP lost[37B4]	C9418 CAP_603 lost[94C7]	C9418 CAP_603 lost[94C7]			
C1406 CAP_201 lost[14D4]	C2300 CAP_201 lost[23C7]	C2301 CAP_201 lost[23B6]	C3702 CAP_201 lost[37B5]	C9419 CAP_201 lost[94B7]	C9419 CAP_201 lost[94B7]			
C1407 CAP_201 lost[14D8]	C2301 CAP_201 lost[23B6]	C2320 CAP_603 lost						

	8	7	6	5	4	3	2	1
	D2600 DIODE_SCHOT_SOD-323 lost[2604]		L7501 IND_0603 lost[75C5]	R0926 RES_201 lost[9B7]		R1955 RES_201 lost[19C5]		
	D3000 DIODE_SCHOT_SOD-323 lost[30B3]		L7502 IND_0603 lost[75B5]	R0934 RES_201 lost[9C3]		R1956 RES_201 lost[19B8]		
	D5000 RCLAMP0502N_SLP1210N lost[50D2]		L7600 FILTER_2P_0201 lost[76D7]	R0936 RES_201 lost[9A2]		R1957 RES_1206 lost[19C2]		
	D5023 DIODE_SCHOT_6P_4C_2A lost[50D7]		L9400 IND_0402-LF lost[94D7]	R0937 RES_201 lost[9D3]		R1960 RES_402 lost[19D7]		
	D5100 RCLAMP0502N_SLP1210N lost[51D2]		L9401 IND_0402-LF lost[94D7]	R0938 RES_201 lost[9D3]		R1961 RES_201 lost[19C7]		
	D5120 DIODE_SCHOT_6P_4C_2A lost[51D7]		L9402 IND_0402-LF lost[94D7]	R0940 RES_201 lost[9C6]		R1962 RES_201 lost[19B1]		
	DZ3900 SUPPR_TRANSIENT1_402 lost[39C6]		L9403 IND_0402-LF lost[94C7]	R0941 RES_201 lost[9C6]		R1964 RES_402 lost[19A8]		
	DZ3901 SUPPR_TRANSIENT1_402 lost[39C6]	Q1803 TRA_DUAL_PWRPK_PCHN_ lost[18B3 18D3]	L9405 IND_0402-LF lost[94D4]	R0942 RES_201 lost[9B6]		R1965 RES_201 lost[19A8]		
	DZ3902 SUPPR_TRANSIENT1_402 lost[39C7]	Q1807 TRA_DUAL_2N7002A_SOT lost[18C4 18C4]	L9406 IND_0402-LF lost[94C4]	R0943 RES_201 lost[9B6]		R1967 RES_201 lost[19B3]		
	DZ3903 SUPPR_TRANSIENT1_402 lost[39B7]	Q1808 TRA_DUAL_2N7002A_SOT lost[18A3 18A4]	Q1801 TRA_DUAL_PWRPK_PCHN_ lost[18B4 18C5]	R0944 RES_201 lost[9B6]		R1968 RES_201 lost[19D6]		
	DZ3904 SUPPR_TRANSIENT1_402 lost[39B6]	Q1809 TRA_PWRPK_PCHN_5P_PWR lost[18B6]	Q1804 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	R0945 RES_201 lost[9B6]		R1969 RES_201 lost[19B3]		
	DZ3905 SUPPR_TRANSIENT1_402 lost[39B6]	Q1810 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	Q1805 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	R0946 RES_201 lost[9C3]		R1970 RES_201 lost[19B3]		
	DZ3910 SUPPR_TRANSIENT1_402 lost[39C3]	Q1816 TRA_DUAL_2N7002A_SOT lost[18C3 18D2]	Q1806 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	R0947 RES_201 lost[9A1]		R1971 RES_201 lost[19C2]		
	DZ3911 SUPPR_TRANSIENT1_402 lost[39C3]	Q1817 TRA_DUAL_2N7002A_SOT lost[18B1 18B2]	Q1807 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	R0948 RES_201 lost[9A7]		R1972 RES_201 lost[19B3]		
	DZ3912 SUPPR_TRANSIENT1_402 lost[39C4]	Q1910 TRA_SI7904DN_PWRPK-1 lost[19C5]	Q1808 TRA_DUAL_2N7002A_SOT lost[18A3 18A4]	R0949 RES_201 lost[9A7]		R1973 RES_201 lost[19C3]		
	DZ3913 SUPPR_TRANSIENT1_402 lost[39B3]	Q1915 TRA_DUAL_2N7002A_SOT lost[19B2 19A2]	Q1809 TRA_PWRPK_PCHN_5P_PWR lost[18B6]	R0980 RES_201 lost[9D7]		R2000 RES_201 lost[20D6]		
	DZ3914 SUPPR_TRANSIENT1_402 lost[39B3]	Q1916 TRA_DUAL_2N7002A_SOT lost[19A3 19A1]	Q1810 TRA_DUAL_2N7002A_SOT lost[18A5 18A6]	R1001 RES_201 lost[10A5]		R2001 RES_201 lost[20D5]		
	DZ3915 SUPPR_TRANSIENT1_402 lost[39B3]	Q1917 TRA_PWRPK_PCHN_5P_PWR lost[19C2]	Q1816 TRA_DUAL_2N7002A_SOT lost[18C3 18D2]	R1003 RES_201 lost[10A4]		R2002 RES_201 lost[20C8]		
	DZ5089 SUPPR_TRANSIENT1_402 lost[50B7]	Q2000 TRA_FDZ294N_BGA lost[20C3]	Q1817 TRA_DUAL_2N7002A_SOT lost[18B1 18B2]	R1004 RES_201 lost[10C4]		R2003 RES_201 lost[20B7]		
	DZ5090 SUPPR_TRANSIENT1_402 lost[50C4]	Q2001 TRA_FDZ294N_BGA lost[20B4]	Q1910 TRA_SI7904DN_PWRPK-1 lost[19C5]	R1005 RES_201 lost[10C3]		R2005 RES_201 lost[20C4]		
	DZ5091 SUPPR_TRANSIENT1_402 lost[50C6]	Q2002 TRA_2N7002T_SOT-523- lost[20A7]	Q1915 TRA_DUAL_2N7002A_SOT lost[19B2 19A2]	R1006 RES_201 lost[10A4]		R2006 RES_201 lost[20B6]		
	DZ5092 SUPPR_TRANSIENT1_402 lost[50D4]	Q2100 TRA_SI7904DN_PWRPK-1 lost[21C4]	Q1916 TRA_DUAL_2N7002A_SOT lost[19A3 19A1]	R1007 RES_201 lost[10A3]		R2007 RES_201 lost[20B3]		
	DZ5093 SUPPR_TRANSIENT1_402 lost[50A7]	Q2101 TRA_SI7904DN_PWRPK-1 lost[21C4]	Q1917 TRA_PWRPK_PCHN_5P_PWR lost[19C2]	R1008 RES_201 lost[10C7]		R2008 RES_201 lost[20B3]		
	DZ5189 SUPPR_TRANSIENT1_402 lost[51B7]	Q2102 TRA_DUAL_SSM6N15FE_S lost[21C7 21C8]	Q2000 TRA_FDZ294N_BGA lost[20C3]	R1009 RES_201 lost[10C4]		R2009 RES_201 lost[20B4]		
	DZ5190 SUPPR_TRANSIENT1_402 lost[51D4]	Q2103 TRA_DUAL_2N7002A_SOT lost[21A7 21A6]	Q2001 TRA_FDZ294N_BGA lost[20B4]	R1010 RES_201 lost[10C7]		R2010 RES_201 lost[20C7]		
	DZ5191 SUPPR_TRANSIENT1_402 lost[51C6]	Q2200 TRA_SI7904DN_PWRPK-1 lost[22C8]	Q2002 TRA_2N7002T_SOT-523- lost[20A7]	R1011 RES_201 lost[10C4]		R2011 RES_201 lost[20B4]		
	DZ5192 SUPPR_TRANSIENT1_402 lost[51C4]	Q2201 TRA_FDZ294N_BGA lost[22B4]	Q2100 TRA_SI7904DN_PWRPK-1 lost[21C4]	R1012 RES_201 lost[10B2]		R2012 RES_201 lost[20C7]		
	DZ5193 SUPPR_TRANSIENT1_402 lost[51A7]	Q2202 TRA_2N7002T_SOT-523- lost[20A7]	Q2101 TRA_SI7904DN_PWRPK-1 lost[21C4]	R1015 RES_201 lost[10B2]		R2013 RES_201 lost[20A1]		
	F1800 FUSE_603-HF lost[18D7]	Q2701 TRA_FDZ294N_BGA lost[27C5]	Q2102 TRA_DUAL_SSM6N15FE_S lost[21C7 21C8]	R1017 RES_201 lost[10B2]		R2014 RES_201 lost[20A7]		
	F1900 FUSE_1206 lost[19C2]	Q2702 TRA_FDZ294N_BGA lost[27C5]	Q2103 TRA_DUAL_2N7002A_SOT lost[21A7 21A6]	R1019 RES_201 lost[10B2]		R2015 RES_201 lost[20A7]		
	FL5007 FILTER_2P_0201 lost[50B5]	Q2703 TRA_FDZ294N_BGA lost[27B5]	Q2200 TRA_SI7904DN_PWRPK-1 lost[22C8]	R1020 RES_201 lost[10C4]		R2016 RES_201 lost[20B5]		
	FL5008 FILTER_2P_0201 lost[50A5]	Q2709 TRA_SI5486DU_POWERPA lost[27C2]	Q2201 TRA_FDZ294N_BGA lost[22B4]	R1021 RES_201 lost[10B3]		R2018 RES_201 lost[20C5]		
	FL5011 FILTER_2P_0201 lost[50B5]	Q2900 TRA_DUAL_SSM6N15FE_S lost[29A4 29A4]	Q2202 TRA_2N7002T_SOT-523- lost[20A7]	R1022 RES_201 lost[10B3]		R2019 RES_201 lost[20B8]		
	FL5020 FILTER_2P_0201 lost[50B3]	Q2902 TRA_DUAL_BC847BV_SOT lost[29D2 29D1]	Q2701 TRA_FDZ294N_BGA lost[27C5]	R1027 RES_201 lost[10A4]		R2020 RES_201 lost[20B7]		
	FL5107 FILTER_2P_0201 lost[51B5]	Q3100 TRA_DUAL_2N7002A_SOT lost[31B1 31B1]	Q2702 TRA_FDZ294N_BGA lost[27C5]	R1050 RES_201 lost[10C4]		R2100 RES_201 lost[21C6]		
	FL5108 FILTER_2P_0201 lost[51A5]	Q3101 TRA_2N7002T_SOT-523- lost[31A6]	Q2703 TRA_FDZ294N_BGA lost[27B5]	R1060 RES_201 lost[10C2]		R2101 RES_201 lost[21C8]		
	FL5111 FILTER_2P_0201 lost[51B5]	Q3102 TRA_2N7002T_SOT-523- lost[31B1]	Q2709 TRA_SI5486DU_POWERPA lost[27C2]	R1061 RES_201 lost[10C1]		R2102 RES_201 lost[21D2]		
	FL5120 FILTER_2P_0201 lost[51B3]	Q3200 TRA_FDZ293P_BGA lost[32D6]	Q2900 TRA_DUAL_SSM6N15FE_S lost[29A4 29A4]	R1090 RES_201 lost[10D2]		R2103 RES_201 lost[21C6]		
	FL7500 FILTER_2P_0201 lost[75C7]	Q3201 TRA_2N7002T_SOT-523- lost[32D7]	Q2902 TRA_DUAL_BC847BV_SOT lost[29D2 29D1]	R1091 RES_201 lost[10D2]		R2104 RES_201 lost[21A5]		
	J1900 CON_M6RT_S2MT_SM1_M-RT-SM lost[19A5]	Q3500 TRA_NTK3142P_PCHN_3P_SOT lost[35C2]	Q2902 TRA_DUAL_2N7002A_SOT lost[31B1 31B1]	R1092 RES_201 lost[10D2]		R2105 RES_201 lost[21A5]		
	J3010 CON_F50ST_D4MT_SM_F- lost[30B7]	Q3501 TRA_2N7002T_SOT-523- lost[35B3]	Q3100 TRA_DUAL_2N7002A_SOT lost[31B1 31B1]	R1093 RES_201 lost[10D1]		R2106 RES_201 lost[21A5]		
	J3011 CON_F60ST_D4MT_SM_F- lost[30B6]	Q4200 TRA_NCH_SSM3K16CT_CS lost[42C2]	Q3101 TRA_2N7002T_SOT-523- lost[31A6]	R1094 RES_201 lost[10D2]		R2107 RES_201 lost[21A3]		
	J3020 CON_F4RT_S2MT_SMA_F- lost[30B1]	Q4201 TRA_NCH_SSM3K16CT_CS lost[42C6]	Q3102 TRA_2N7002T_SOT-523- lost[31B1]	R1095 RES_201 lost[10B8]		R2108 RES_201 lost[21A3]		
	J3201 CON_F30ST_SMT_SM_F- lost[32D1]	R1 THERMIST_0402 lost[20B2]	Q3200 TRA_FDZ293P_BGA lost[32D6]	R1096 RES_201 lost[10B8]		R2109 RES_201 lost[21B3]		
	J3700 CON_M4RT_S2MT_SM_M-R lost[37B2]	R0600 RES_201 lost[6C8]	Q3201 TRA_2N7002T_SOT-523- lost[32D7]	R1097 RES_201 lost[10A4]		R2110 RES_201 lost[21B3]		
	J3800 CON_M4RT_S2MT_SM_M-R lost[38C2]	R0601 RES_201 lost[6C8]	Q3500 TRA_NTK3142P_PCHN_3P_SOT lost[35C2]	R1098 RES_201 lost[10A4]		R2111 RES_201 lost[21A7]		
	J4111 CON_M10RT_S2MT_SM1_M lost[41D5]	R0602 RES_201 lost[6C8]	Q3501 TRA_2N7002T_SOT-523- lost[35B3]	R1099 RES_201 lost[10C1]		R2112 RES_201 lost[21A7]		
	J4161 CON_M10RT_S2MT_SM1_M lost[41B5]	R0603 RES_201 lost[6B5]	Q4200 TRA_NCH_SSM3K16CT_CS lost[42C2]	R1500 RES_201 lost[15B6]		R2114 RES_201 lost[21A4]		
	J4600 CON_F6RT_S2MT_SM_F-R lost[46C5]	R0604 RES_201 lost[6B5]	Q4201 TRA_NCH_SSM3K16CT_CS lost[42C6]	R1503 RES_201 lost[15C1]		R2117 RES_201 lost[21A6]		
	J5001 CON_F36ST_D4MT_SM_F- lost[50C2]	R0605 RES_201 lost[6B5]	R1 THERMIST_0402 lost[20B2]	R1504 RES_201 lost[15C1]		R2118 RES_201 lost[21C6]		
	J5105 CON_F36ST_D4MT_SM_F- lost[51C2]	R0606 RES_201 lost[6B5]	R0600 RES_201 lost[6C8]	R1505 RES_201 lost[15C1]		R2119 RES_201 lost[21B3]		
	J5400 CON_M4RT_S2MT_SM_M-R lost[54C2]	R0607 RES_201 lost[6D5]	R0601 RES_201 lost[6C8]	R1507 RES_201 lost[15C1]		R2120 RES_201 lost[21C6]		
	J6500 CON_F6RT_S2MT_SM_F-R lost[65B4]	R0608 RES_201 lost[6B1]	R0602 RES_201 lost[6C8]	R1508 RES_201 lost[15B1]		R2121 RES_201 lost[21B4]		
	J9000 CON_F60ST_D_SM1_F-ST lost[90C4]	R0609 RES_201 lost[6B1]	R0603 RES_201 lost[6B5]	R1509 RES_201 lost[15B1]		R2122 RES_201 lost[21B3]		
	L1500 IND_0402-LF lost[15D7]	R0610 RES_201 lost[6B1]	R0604 RES_201 lost[6B5]	R1510 RES_201 lost[15C4]		R2123 RES_201 lost[21B3]		
	L1501 IND_0402-LF lost[15D7]	R0611 RES_201 lost[6B1]	R0605 RES_201 lost[6B5]	R1511 RES_201 lost[15A7]		R2124 RES_201 lost[21B3]		
	L1900 IND_ILH225BD-SM lost[19C4]	R0612 RES_201 lost[6A4]	R0606 RES_201 lost[6B5]	R1512 RES_201 lost[15A7]		R2250 RES_201 lost[22D6]		
	L1901 IND_SM-LF lost[19A6]	R0613 RES_201 lost[6C5]	R0607 RES_201 lost[6D5]	R1513 RES_201 lost[15A7]		R2252 RES_201 lost[22C4]		
	L2000 IND_PCMC042T-SM lost[20C2]	R0614 RES_201 lost[6C5]	R0608 RES_201 lost[6B1]	R1514 RES_201 lost[15C2]		R2254 RES_201 lost[22C3]		
	L2102 IND_PCMC042T-SM lost[21C4]	R0620 RES_201 lost[6A7]	R0609 RES_201 lost[6B1]	R1515 RES_201 lost[15C2]		R2255 RES_201 lost[22C5]		
	L2103 IND_PCMC042T-SM lost[21A3]	R0621 RES_201 lost[6A7]	R0610 RES_201 lost[6B1]	R1517 RES_201 lost[15A7]		R2300 RES_201 lost[23C7]		
	L2200 IND_MDT250CN-SM lost[22B5]	R0622 RES_201 lost[6A7]	R0611 RES_201 lost[6B1]	R1518 RES_201 lost[15A7]		R2301 RES_201 lost[23C6]		
	L2250 IND_SM lost[22C4]	R0623 RES_201 lost[6A7]	R0612 RES_201 lost[6A4]	R1519 RES_201 lost[15C2]		R2302 RES_201 lost[23C6]		
	L2320 IND_MMD05C2-SM lost[23B3]	R0624 RES_201 lost[6A7]	R0613 RES_201 lost[6C5]	R1520 RES_201 lost[15C2]		R2303 RES_201 lost[23C7]		
	L2401 IND_S1024AS-SM lost[24C4]	R0625 RES_201 lost[6B7]	R0614 RES_201 lost[6C5]	R1521 RES_201 lost[15C2]		R2304 RES_201 lost[23C6]		
	L2450 IND_S1024AS-SM lost[24B4]	R0626 RES_201 lost[6A7]	R0615 RES_201 lost[6B5]	R1522 RES_201 lost[15A7]		R2305 RES_201 lost[23C6]		
	L2600 IND_ILH220BE11-SM lost[26D5]	R0627 RES_201 lost[6A7]	R0616 RES_201 lost[6B1]	R1523 RES_201 lost[15A7]		R2306 RES_201 lost[23C6]		
	L3000 IND_VLF lost[30B4]	R0628 RES_201 lost[6A7]	R0617 RES_201 lost[6B1]	R1524 RES_201 lost[15C2]		R2307 RES_201 lost[23B7]		
	L3201 IND_0402 lost[32D5]	R0629 RES_201 lost[6B7]	R0618 RES_201 lost[6B1]	R1525 RES_201 lost[15C2]		R2308 RES_201 lost[23B6]		
	L3202 FILTER_4P_TCM1005 lost[32C3]	R0630 RES_201 lost[6C5]	R0619 RES_201 lost[6B1]	R1526 RES_201 lost[15C2]		R2309 RES_201 lost[23B6]		
	L3400 FILTER_2P_0201 lost[34B4]	R0690 RES_201 lost[6C5]	R0620 RES_201 lost[6A7]	R1527 RES_201 lost[15C2]		R2324 RES_201 lost[23B4]		
	L3601 FILTER_2P_0201 lost[36A5]	R0700 RES_201 lost[7B3]	R0621 RES_201 lost[6A7]	R1528 RES_201 lost[15C2]		R2325 RES_201 lost[23B4]		
	L3602 FILTER_2P_0201 lost[36A5]	R0701 RES_201 lost[7B3]	R0622 RES_201 lost[6A7]	R1529 RES_201 lost[15C2]		R2326 RES_201 lost[23B4]		
	L3900 FILTER_2P_0201 lost[39D6]	R0702 RES_201 lost[7B3]	R0623 RES_201 lost[6A7]	R1530 RES_201 lost[15C2]		R2327 RES_201 lost[23B4]		
	L3901 FILTER_2P_0201 lost[39D6]	R0703 RES_201 lost[7B3]	R0624 RES_201 lost[6A7]	R1531 RES_201 lost[15A7]		R2328 RES_201 lost[23B4]		
	L3902 FILTER_2P_0201 lost[39C6]	R0704 RES_201 lost[7B3]	R0625 RES_201 lost[6B7]	R1532 RES_201 lost[15A7]		R2329 RES_201 lost[23B4]		
	L3903 FILTER_2P_0201 lost[39C6]	R0705 RES_201 lost[7B3]	R0626 RES_201 lost[6A7]	R1533 RES_201 lost[15A7]		R2330 RES_201 lost[23B4]		
	L3904 FILTER_2P_0201 lost[39B6]	R0706 RES_201 lost[7B3]	R0627 RES_201 lost[6A7]	R1534 RES_201 lost[15C2]		R2331 RES_201 lost[23B4]		
	L3905 FILTER_2P_0201 lost[39B6]	R0800 RES_201 lost[8B7]	R0628 RES_201 lost[6A7]	R1535 RES_201 lost[15C2]		R2332 RES_201 lost[23B7]		
	L3910 FILTER_2P_0201 lost[39D2]	R0801 RES_201 lost[8B7]	R0629 RES_201 lost[6B7]	R1540 RES_201 lost[15C2]		R2333 RES_201 lost[23B7]		
	L3911 FILTER_2P_0201 lost[39D2]	R0802 RES_201 lost[8A8]	R0690 RES_201 lost[6C5]	R1541 RES_201 lost[15C2]		R2334 RES_201 lost[23B7]		
	L3912 FILTER_2P_0201 lost[39C2]	R0804 RES_201 lost[8C2]	R0690 RES_201 lost[6C5]	R1542 RES_201 lost[15C2]		R2335 RES_201 lost[23B7]		
	L3913 FILTER_2P_0201 lost[39C2]	R0804 RES_201 lost[8C2]	R0700 RES_201 lost[7B3]	R1543 RES_201 lost[15C2]		R2336 RES_201 lost[23B7]		
	L3914 FILTER_2P_0201 lost[39C2]	R0805 RES_201 lost[8C2]	R0701 RES_201 lost[7B3]	R1544 RES_201 lost[15C2]		R2337 RES_201 lost[23B7]		
	L3915 FILTER_2P_0201 lost[39B2]	R0806 RES_201 lost[8C2]	R0702 RES_201 lost[7B3]	R1545 RES_201 lost[15C2]		R2338 RES_201 lost[23B7]		
	L3916 FILTER_2P_0201 lost[39B2]	R0807 RES_201 lost[8B7]						

	8	7	6	5	4	3	2	1			
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