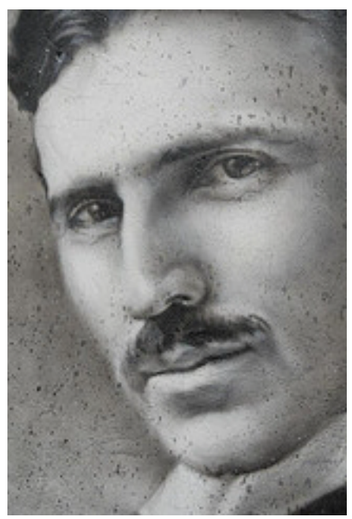
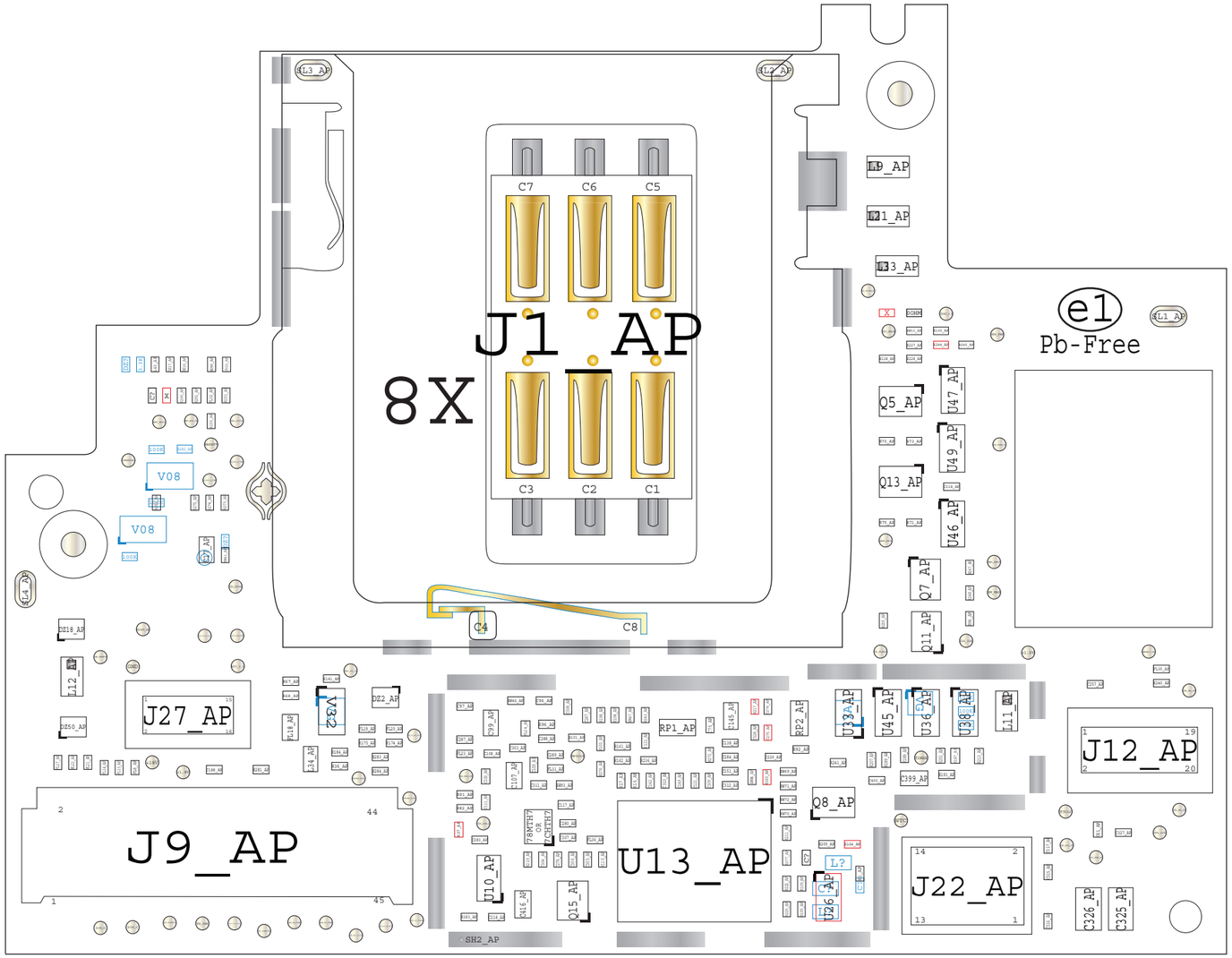
iPhone 2G Advanced Schematic

Remake By Wites OM Tesla



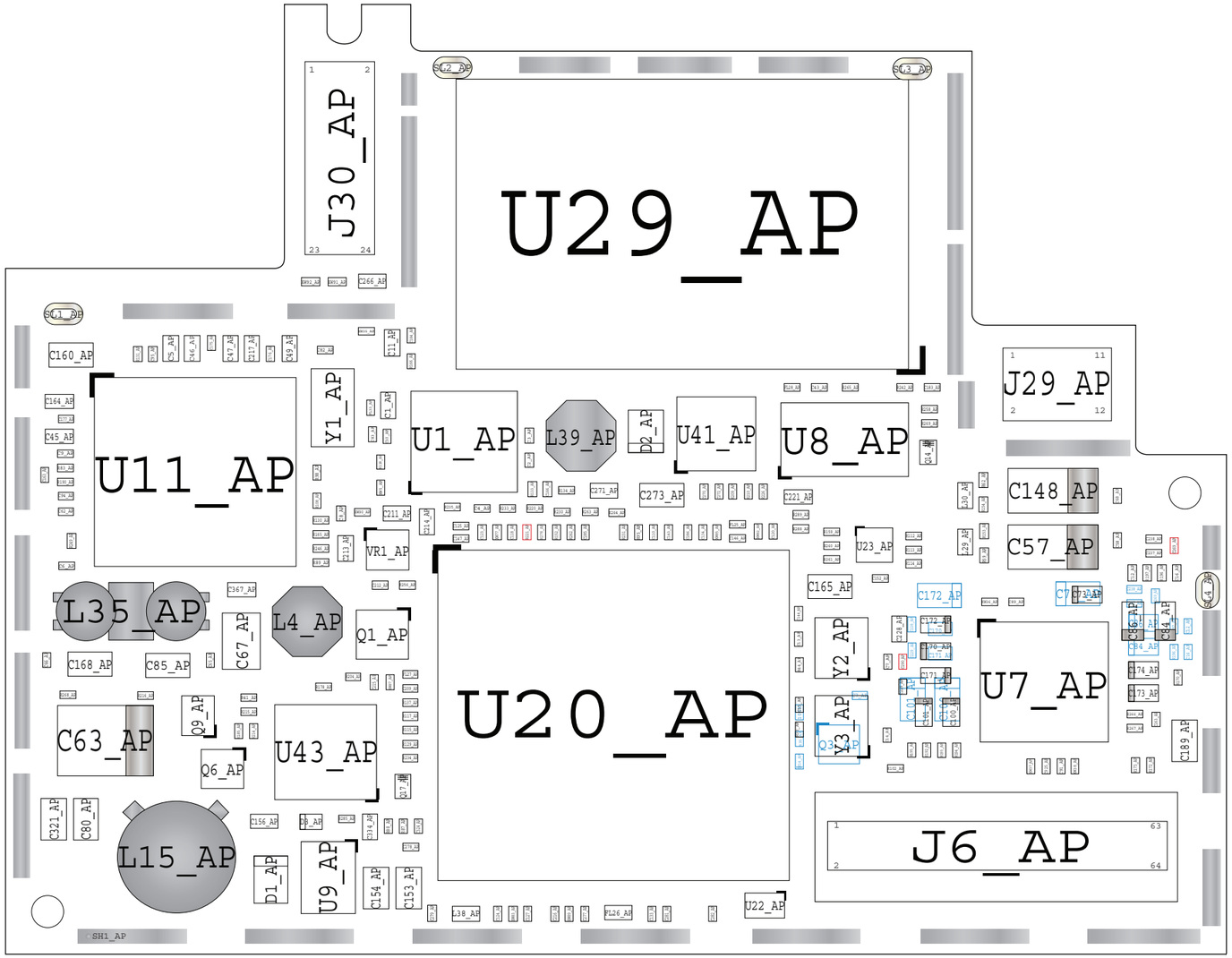
Big Thanks to Nikola Tesla
for everything we have today!

M68-APPLICATION-TOP



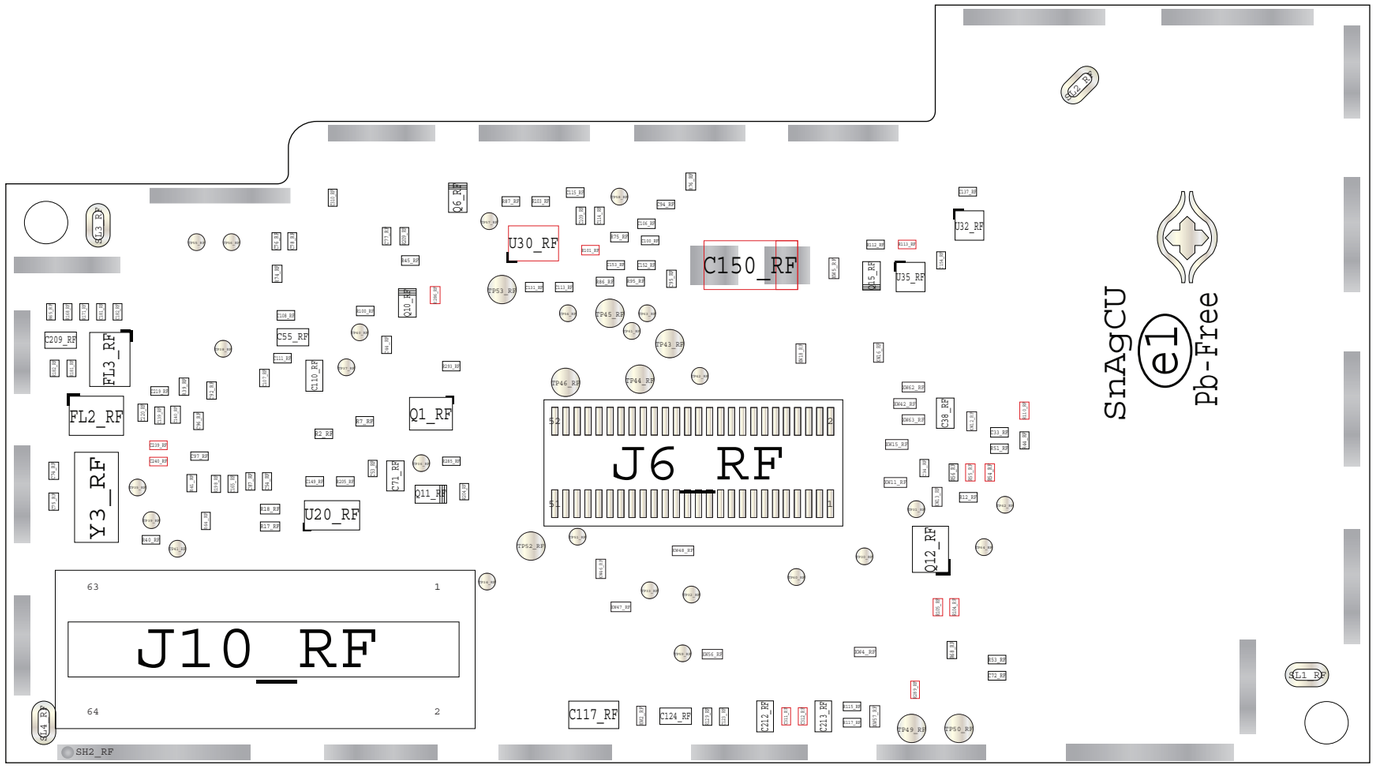
Remake By Wites OM Tesla

M68-APPLICATION-BOT



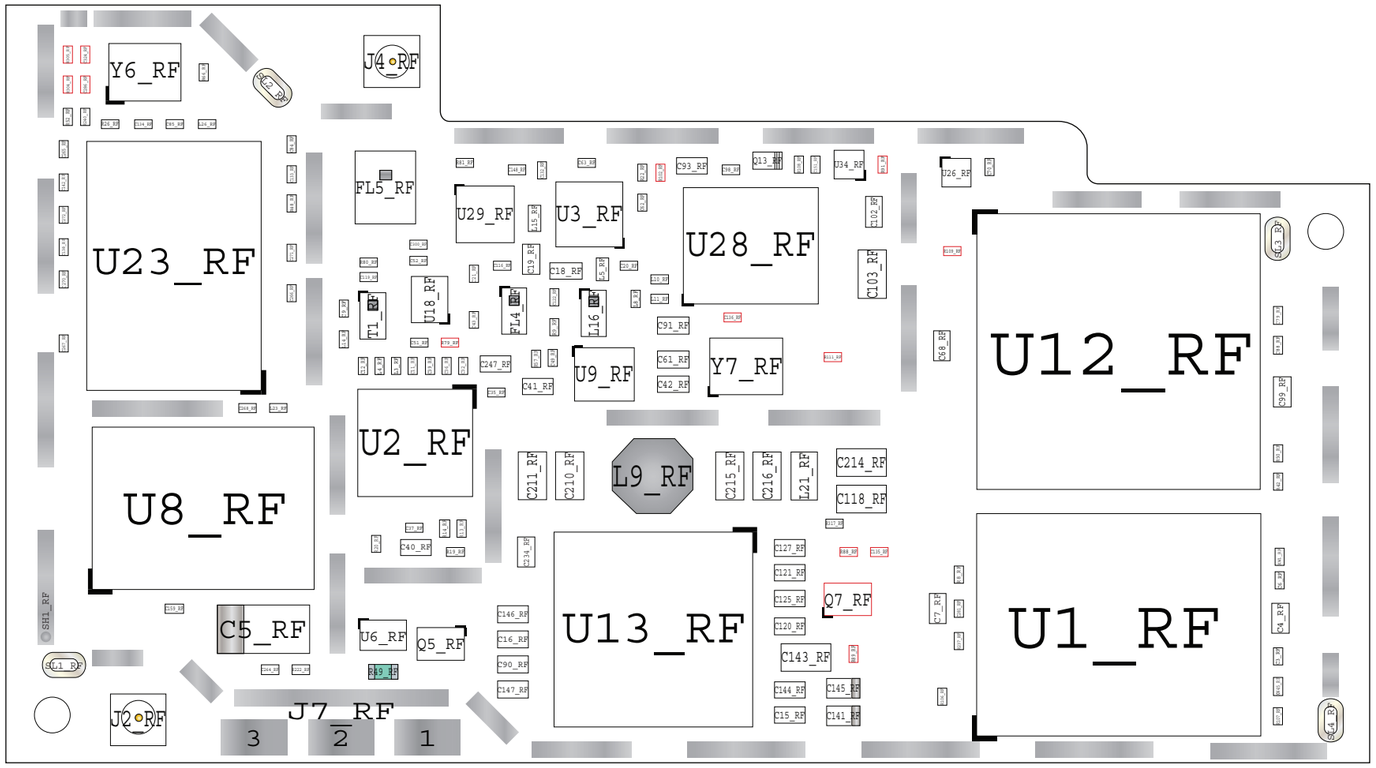
Remake By Wites OM Tesla

M68-RADIO-TOP



Remake By Wites OM Tesla

M68-RADIO-BOT



Remake By Wites OM Tesla

IPOD M68 AP MLB 8-LAYER -11/10/06(A) DVT (AMPHENOL)

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-7232	1	M68_MLB_SCHEMATIC	SCH	Y	
820-2106	1	M68_MLB_PCB	PCB	Y	
825-2029	1	EEE	EEE:???	Y	
805-7511	1	SHIELD_FENCE	SH1	Y	
805-7513	1	SHIELD_BOTTOM	SH2	Y	
805-7514	1	SHIELD_BOTTOM	SH2	Y	

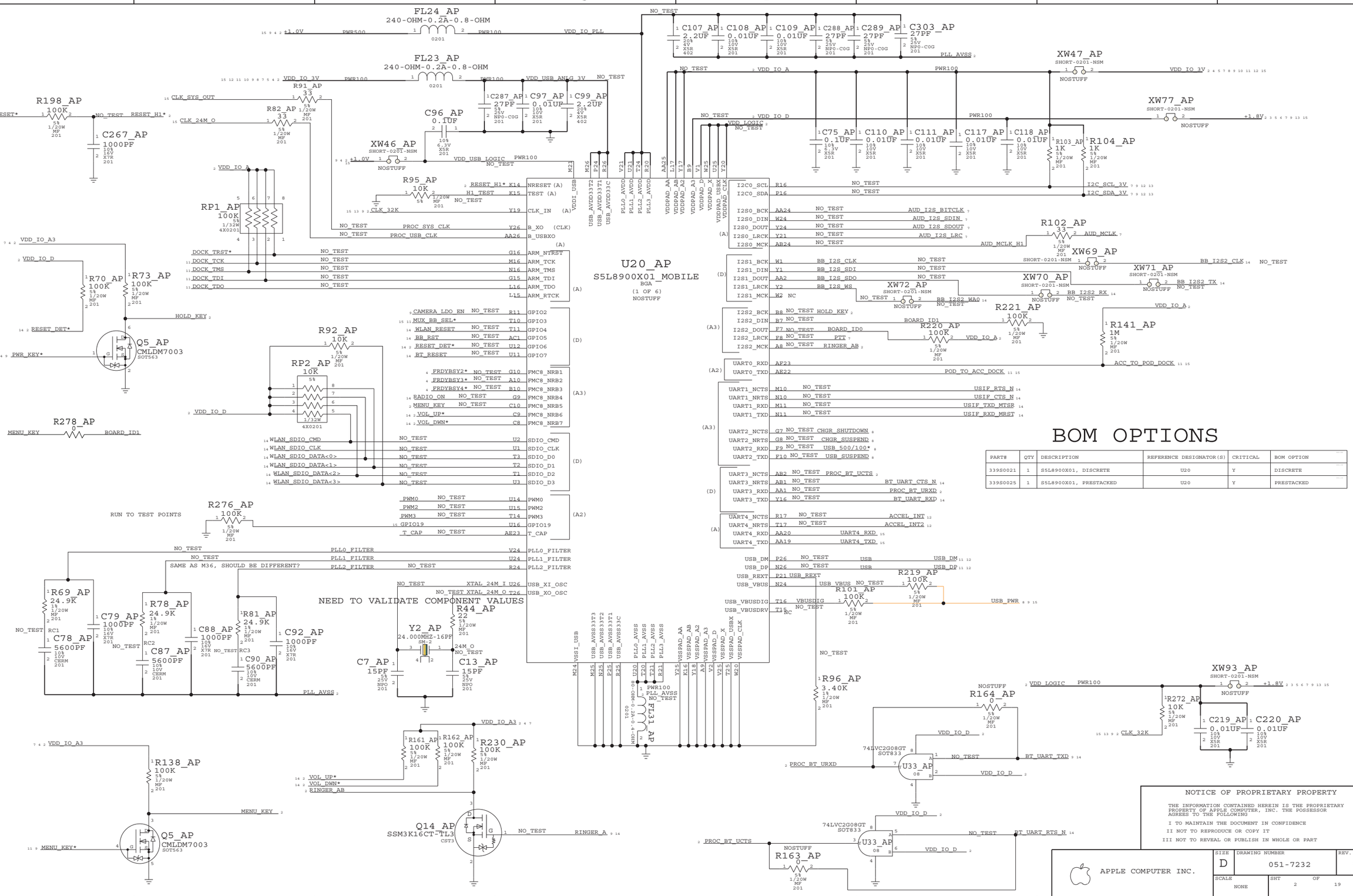
4GB BOM - 630-7888
8GB BOM - 630-7890

BOARD - 820-2106
SCHEMATIC - 051-7232

APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7232	06

SCALE	SHT	OF
NONE	1	19



BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
339S0021	1	S5L8900X01, DISCRETE	U20	Y	DISCRETE
339S0025	1	S5L8900X01, PRESTACKED	U20	Y	PRESTACKED

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SIZE	DRAWING NUMBER	REV.
D	051-7232	06
SCALE: NONE	SHT 2 OF 19	

LEFT ON THE BOARD UNTIL IT IS VALIDATED
ON THE H1 DEV BOARD.

SDRAM CKE GATING

R1_AP 100K 5% 1/20W MF 201 — +1.8V
R105_AP 0 5% 1/20W MF 201 — SDRAM+1.8V
U26_AP 74LVC2G08GT SOT833 — CKE0, CKE_EN, NO_TEST, NOSTUFF, GATED_CKE0
R225_AP 100K 5% 1/20W MF 201
U26_AP 74LVC2G08GT SOT833 — SDRAM+1.8V, NOSTUFF, CKE1, GATED_CKE1
R222_AP 100K 5% 1/20W MF 201
R109_AP 0 5% 1/20W MF 201

FL36_AP 80-OHM-0.2A-0.4-OHM 0201 — VDD_SDRAM_DDR, PWR500, NO_TEST, +1.8V
C276_AP 0.01UF 10% 10V X5R 201
C304_AP 0.01UF 10% 10V X5R 201
C305_AP 0.01UF 10% 10V X5R 201
C306_AP 0.01UF 10% 10V X5R 201
XW82_AP SHORT-0201-NSM NOSTUFF — VDD_NOR_AP, PWR100, NO_TEST, +1.8V
R288_AP 100K 5% 1/20W MF 201
R289_AP 100K 5% 1/20W MF 201
R277_AP 100K 5% 1/20W MF 201
C120_AP 0.01UF 10% 10V X5R 201
PWR250
C121_AP 0.01UF 10% 10V X5R 201

VDDPAD_DDR: E25, G21, AD13, AD14, AD15, AD17, AB18, AF19, AD19, AU20, AU21
VDDPAD_G0, VDDPAD_G1

U20_AP NOSTUFF
(2 OF 6) BGA
S5L8900X01_MOBILE

CKE0	NO_TEST_Y15	DDR_CKE0	O1		
CKE1	NO_TESTAE14	DDR_CKE1	O0		
SMC_A0	H20	XM_MA0	NO_TEST		
SMC_A1	H21	XM_MA1	NO_TEST		
SMC_A2	H24	XM_MA2	NO_TEST		
SMC_A3	J20	XM_MA3	NO_TEST		
SMC_A4	J21	XM_MA4	NO_TEST		
SMC_A5	J24	XM_MA5	NO_TEST		
SMC_A6	J25	XM_MA6	NO_TEST		
SMC_A7	J26	XM_MA7	NO_TEST		
SMC_A8	L26	XM_MA8	NO_TEST		
SMC_A9	M17	XM_MA9	NO_TEST		
SMC_A10	M20	XM_MA10	NO_TEST		
SMC_A11	N17	XM_MA11	NO_TEST		
SMC_A12	N19	XM_MA12	NO_TEST		
SMC_A13	N20	XM_MA13	NO_TEST		
SMC_A14	N21	XM_MA14	NO_TEST		
SMC_A15	P17	XM_MA15	NO_TEST		
SMC_A16	A23	XM_MA16	NO_TEST		
SMC_A17	K20	XM_MA17	NO_TEST		
SMC_A18	K21	XM_MA18	NO_TEST		
SMC_A19	L21				
SMC_A20	L20				
SMC_D0	G26	XM_MD<0>			
SMC_D1	G19	XM_MD<1>			
SMC_D2	F24	XM_MD<2>			
SMC_D3	F19	XM_MD<3>			
SMC_D4	E26	XM_MD<4>			
SMC_D5	D26	XM_MD<5>			
SMC_D6	C25	XM_MD<6>			
SMC_D7	A24	XM_MD<7>			
SMC_D8	G24	XM_MD<8>			
SMC_D9	F26	XM_MD<9>			
SMC_D10	F20	XM_MD<10>			
SMC_D11	F18	XM_MD<11>			
SMC_D12	E24	XM_MD<12>			
SMC_D13	C26	XM_MD<13>			
SMC_D14	B25	XM_MD<14>			
SMC_D15	B24	XM_MD<15>			
SMC_NSCS0	G17	NOR_CE*	NO_TEST		
SMC_NSCS1	G18				
SMC_NSWE	K24	XM_WE*	NO_TEST		
SMC_NSOE	F17	XM_OE*	NO_TEST		
CKE0	B19		NO_TEST	GATED_CKE0	
CKE1	A18		NO_TEST	GATED_CKE1	

VSSPAD_DDR: D25, R26, A26, A25, G20, AA14, AE15, AF16, AE17, AD18, AE19, AF20, AE20, AF21
VSSPAD_G1

U13_AP 8MB XFLGA — SST39WF800A

A0	A4	DQ0	B1	XM_MD<0>	NO_TEST
A1	A5	DQ1	C1	XM_MD<1>	NO_TEST
A2	A6	DQ2	D1	XM_MD<2>	NO_TEST
A3	B5	DQ3	E1	XM_MD<3>	NO_TEST
A4	B6	DQ4	J3	XM_MD<4>	NO_TEST
A5	B4	DQ5	J2	XM_MD<5>	NO_TEST
A6	C6	DQ6	K2	XM_MD<6>	NO_TEST
A7	C5	DQ7	L2	XM_MD<7>	NO_TEST
A8	J4	DQ8	B3	XM_MD<8>	NO_TEST
A9	J6	DQ9	C2	XM_MD<9>	NO_TEST
A10	J5	DQ10	C3	XM_MD<10>	NO_TEST
A11	K6	DQ11	K3	XM_MD<11>	NO_TEST
A12	K4	DQ12	G1	XM_MD<12>	NO_TEST
A13	K5	DQ13	N1	XM_MD<13>	NO_TEST
A14	L5	DQ14	J1	XM_MD<14>	NO_TEST
A15	L4	DQ15	K1	XM_MD<15>	NO_TEST
A16	L3				
A17	D6	NC0	D2		
A18	C4	NC1	D5		
CE*	A3	NC2	E6		
OE*	B2	NC3	F6		
WE*	G6	NC4	H2		
		NC5	H5		
		NC6	H6	FLASH_RST*	NO_TEST

VDD, VSS

R110_AP 0 5% 1/20W MF 201 — FLASH_RST*, NO_TEST, +1.8V
R211_AP 100K 5% 1/20W MF 201 — +1.8V

XM_MD<15..0>

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SCALE NONE | SHT 3 OF 19

NAND FLASH & GPIO

BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
335S0443	1	4GB SAMSUNG, 63NM FLASH	U29	Y	FLASH_4GB
335S0444	1	8GB SAMSUNG, 63NM FLASH	U29	Y	FLASH_8GB

ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0450	335S0444	FLASH_8GB	U29	TOSHIBA 8GB
335S0425	335S0443	FLASH_4GB	U29	TOSHIBA 4GB

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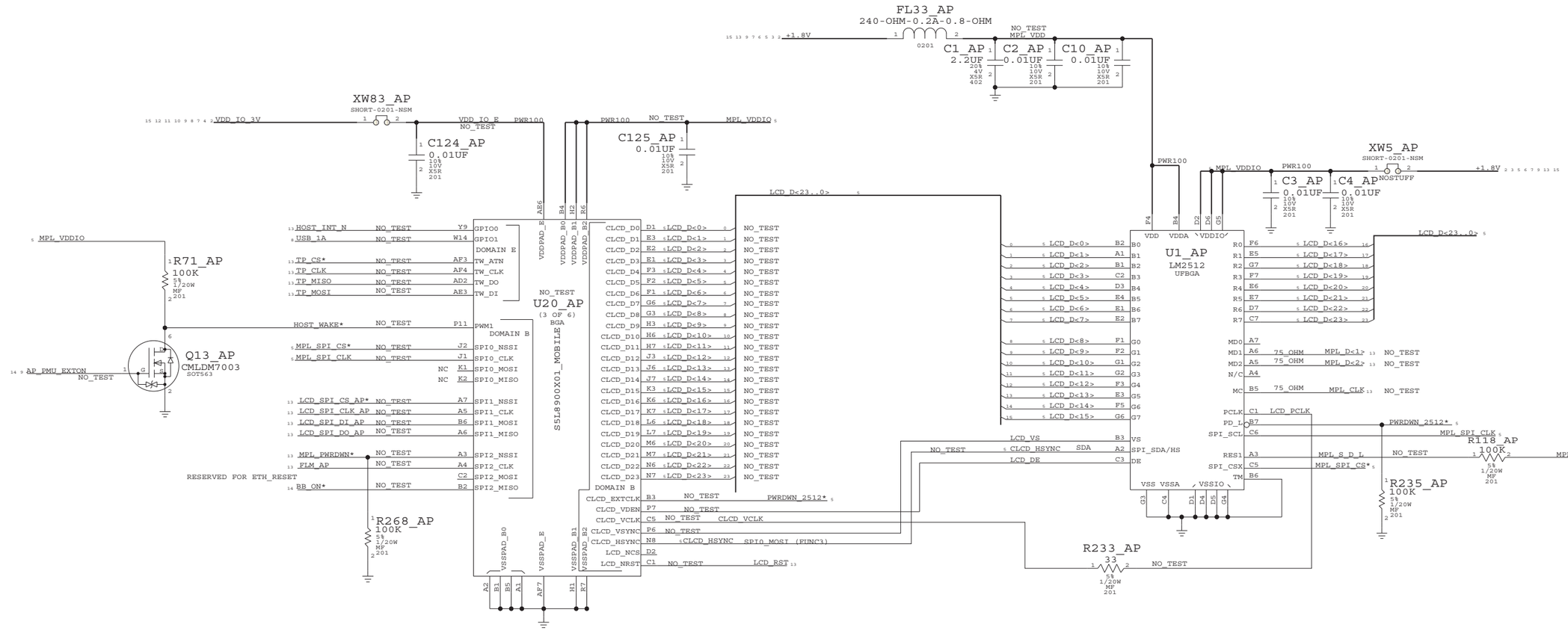
SIZE	DRAWING NUMBER	REV.
D	051-7232	06

SCALE: NONE | SHT 4 OF 19



APPLE COMPUTER INC.

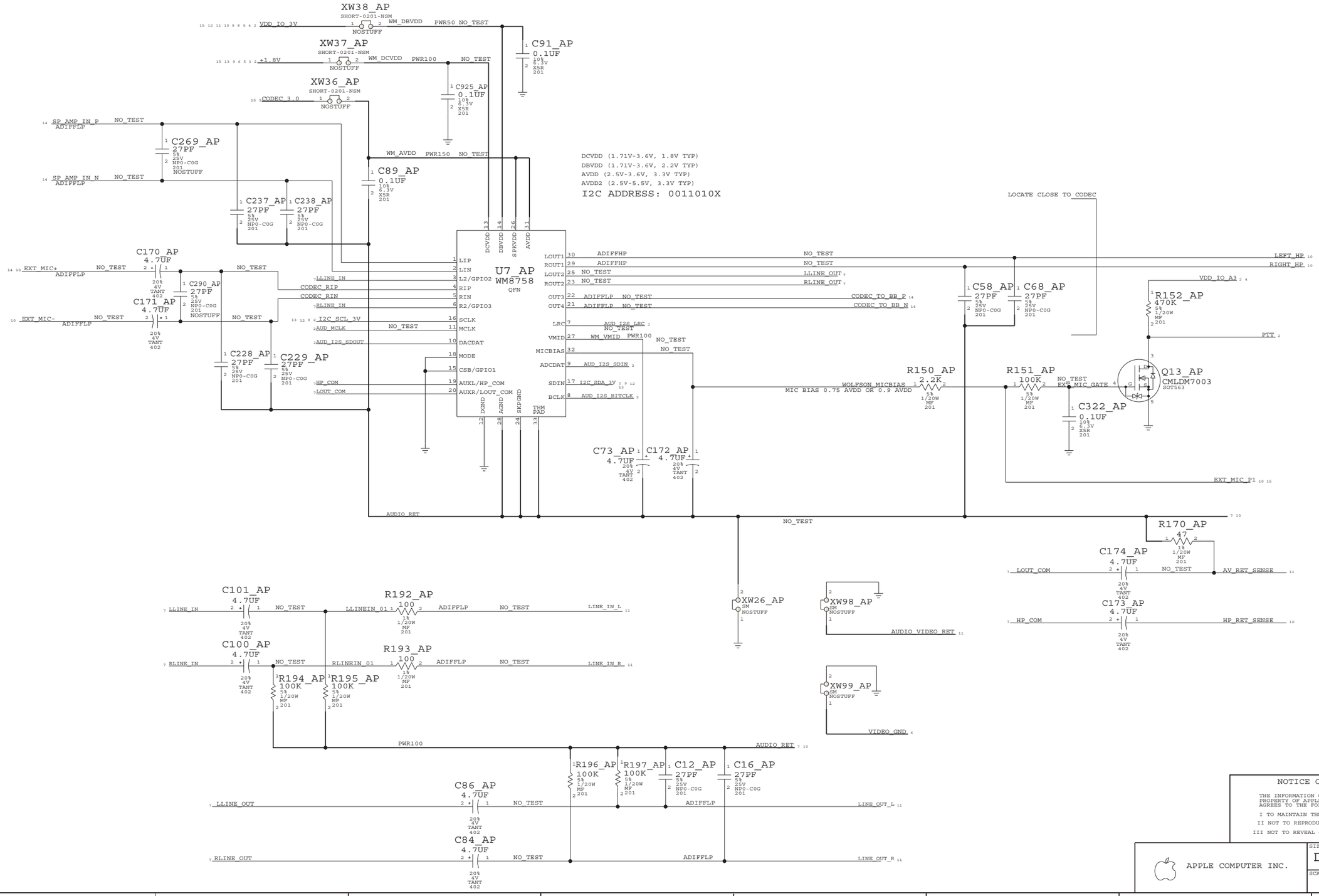
SIZE	DRAWING NUMBER	REV.
D	051-7232	06
SCALE: NONE	SHT 5 OF 19	

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S1650	353S1625	?	U23	VIDEO AMP

XW87_AP SHORT-0201-NSM NOSTUFF
FL27_AP 240-OHM-0.2A-0.8-OHM 0201
C215_AP 0.01UF 10% 10V X5R 201
C165_AP 10UF 20% 6.3V X5R 603
C209_AP 0.01UF 10% 10V X5R 201
C274_AP 0.1UF 10% 6.3V X5R 201
C216_AP 0.01UF 10% 10V X5R 201
XW89_AP SHORT-0201-NSM NOSTUFF
R217_AP 0 5% 1/20W MF 201 NOSTUFF
R16_AP 1K 5% 1/20W MF 201
R17_AP 1K 5% 1/20W MF 201
R234_AP 33 5% 1/20W MF 201
R112_AP 75 1% 1/20W MF 201
R113_AP 75 1% 1/20W MF 201
R114_AP 75 1% 1/20W MF 201
R159_AP 0 5% 1/20W MF 201
R260_AP 0 5% 1/20W MF 201
R261_AP 0 5% 1/20W MF 201
U23_AP THS7318 BGA
C152_AP 0.01UF 10% 10V X5R 201
R115_AP 200 1% 1/20W MF 201
R117_AP 200 1% 1/20W MF 201
R129_AP 6.34K 1% 1/20W MF 201
R137_AP 200 1% 1/20W MF 201
C275_AP 0.1UF 10% 6.3V X5R 201 NOSTUFF
C328_AP 0.1UF 10% 6.3V X5R 201
U20_AP S5L8900X01_MOBILE (4 OF 6) BGA NOSTUFF
XW101_AP SM NOSTUFF
R30_AP 22 5% 1/20W MF 201
Y3_AP SM-2 27MHZ-12PF
C14_AP 15PF 5% 25V NPO 201
C15_AP 15PF 5% 25V NPO 201

APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7232	06
SCALE: NONE	SHT 6 OF 19	



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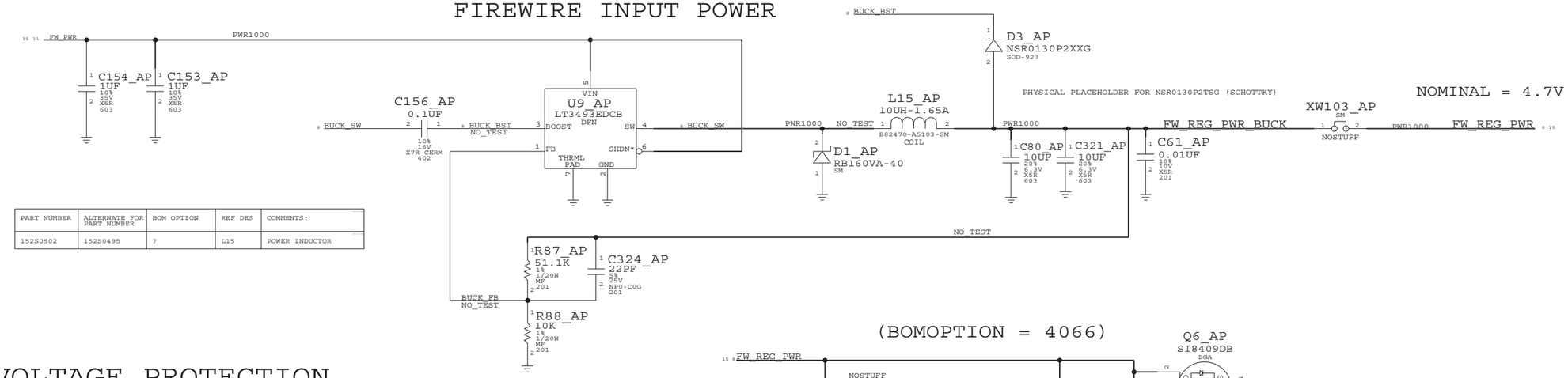
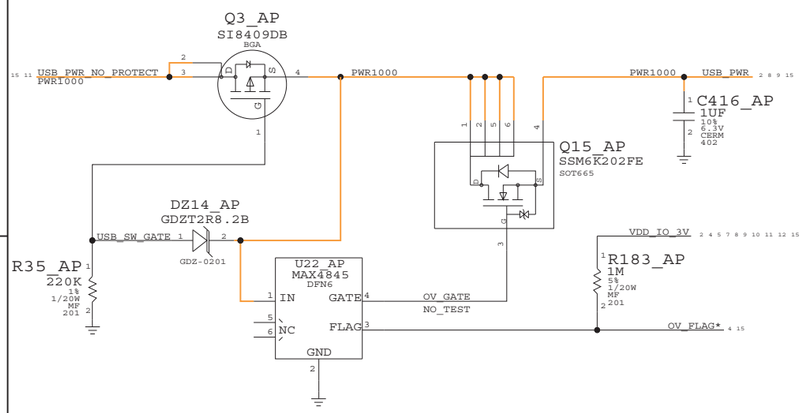
D	051-7232	06
SCALE: NONE	SHT 7 OF 19	

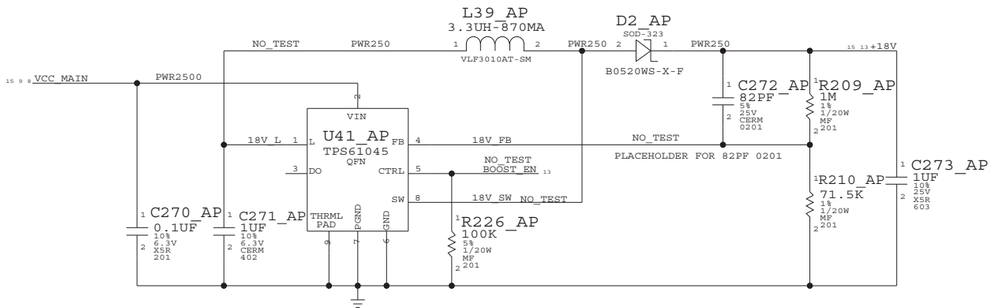
FIREWIRE INPUT POWER

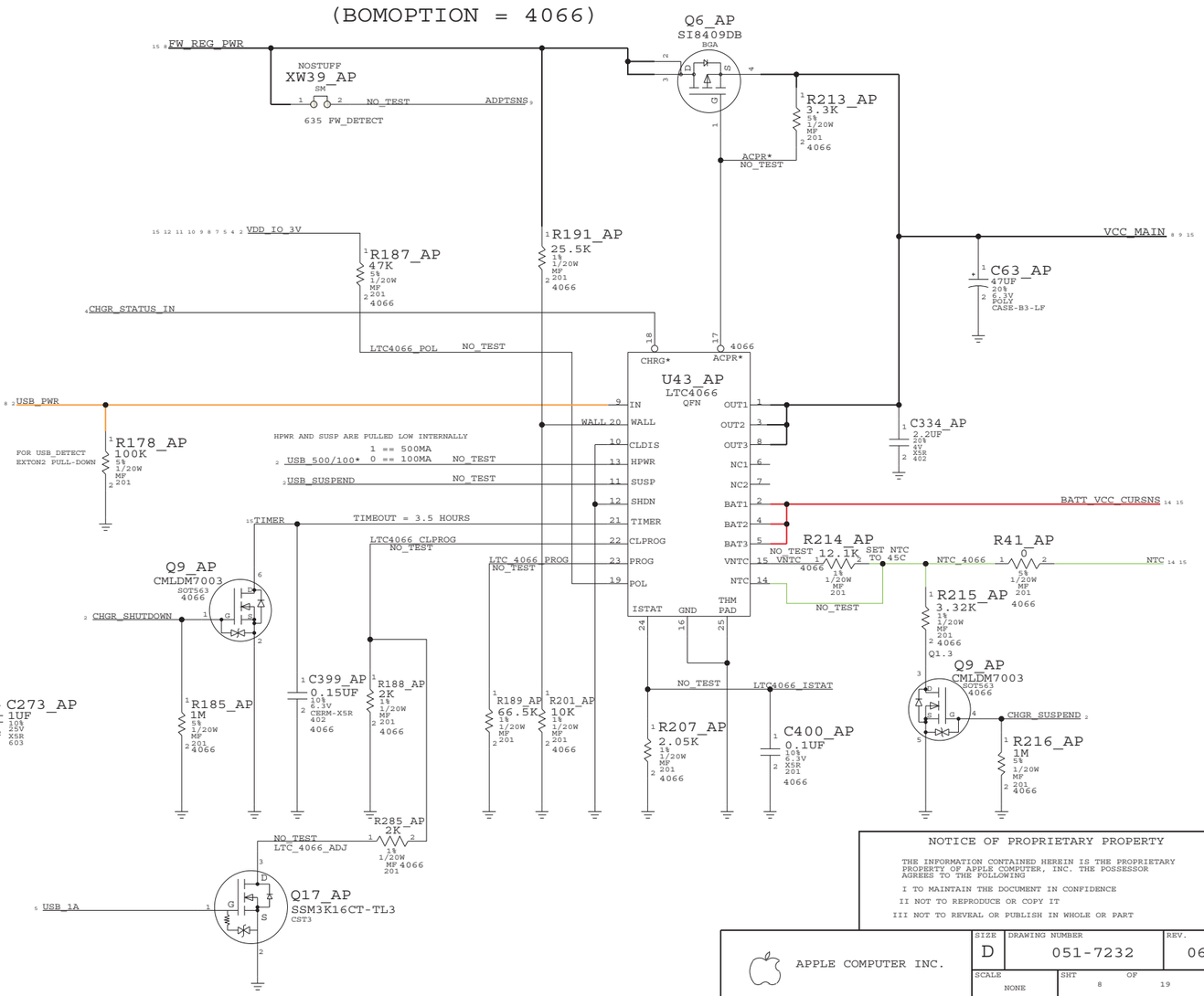


PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
152S0502	152S0495	?	L15	POWER INDUCTOR

USB OVER VOLTAGE PROTECTION







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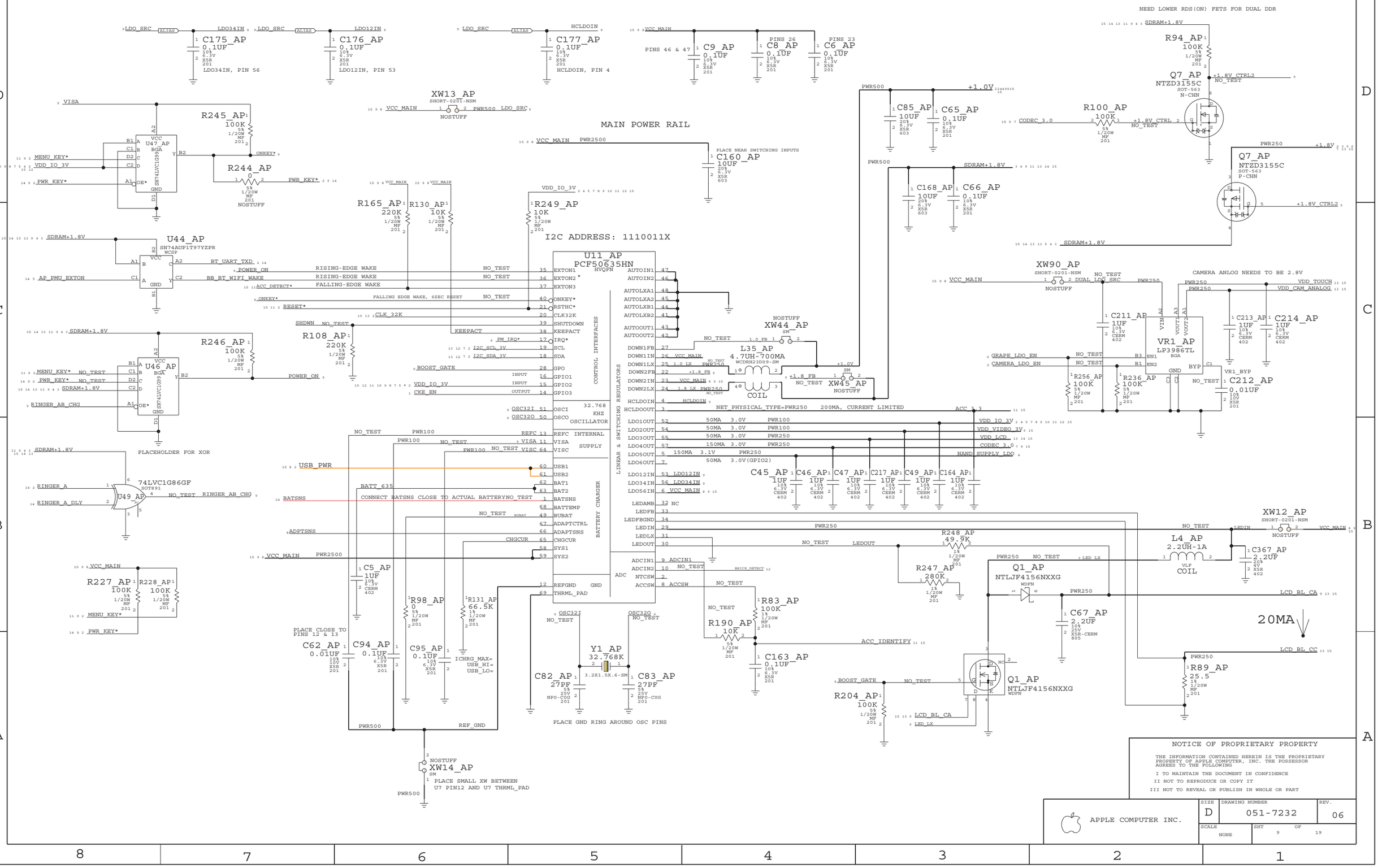
SIZE	DRAWING NUMBER	REV.
D	051-7232	06

SCALE	SHT	OF
NONE	8	19


MAIN POWER RAIL
I2C ADDRESS: 1110011X
NEED LOWER RDS(ON) FETS FOR DUAL DDR
CAMERA ANLOG NEEDS TO BE 2.8V
PLACEHOLDER FOR XOR
PLACE GND RING AROUND OSC PINS
PLACE CLOSE TO PINS 12 & 13
PLACE SMALL XW BETWEEN U7 PIN12 AND U7 THRML_PAD
PLACE NEAR SWITCHING INPUTS
CONNECT BATSNS CLOSE TO ACTUAL BATTERY
U11_AP PCF50635HN HVQFN
U44_AP SN74AUP1T97YZPR WCSP
U46_AP SN74LVC1G09
U47_AP SN74LVC1G99
U49_AP 74LVC1G86GF SOT891
Q7_AP NTZD3155C SOT-563 N-CHN
Q7_AP NTZD3155C SOT-563 P-CHN
Q1_AP NTLJF4156NXXG WDFN
VR1_AP LP3986TL BGA
L35_AP 4.7UH-700MA MCDRH3D09-SM
L4_AP 2.2UH-1A VLF
Y1_AP 32.768K 3.2X1.5X.6-SM
32.768 KHZ OSCILLATOR
LINEAR & SWITCHING REGULATORS
CONTROL INTERFACES
BATTERY CHARGER
ADC
SUPPLY
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SIZE D
DRAWING NUMBER 051-7232
REV. 06
SCALE NONE
SHT 9 OF 19

HEADPHONE CONNECTOR

15 12 11 9 8 7 5 4 2 VDD_IO_3V

R133_AP
1M
5%
1/20W
MF
201

4 HP_DETECT

NO_TEST

C166_AP
0.1UF
10%
6.3V
X5R
201

R134_AP
220K
5%
1/20W
MF
201

NO_TEST

HP_DETECT_SWITCH

FL32_AP
240-OHM-0.2A-0.8-OHM
0201

15 7 EXT_MIC_P1

EXT_MIC_P2

NO_TEST

XW29_AP
SM
NOSTUFF

NO_TEST

R291_AP
200
201

14 10 7 EXT_MIC+

LOCATE CLOSE TO AUDIO JACK

R286_AP
12.8V-100PF
201

HP_DETECT_SWITCH 10 1410 14

EXT_MIC+ 7 10 14

C57_AP
220UF
20%
4V
TANT
CASE-S-SM

7 RIGHT_HP ADIFFHP

ADIFFHP

NO_TEST

RIGHT_HP_FILTERED

GET LOWER DCR FERRITES

R153_AP
3.3
5%
1/20W
MF
201

HP_AUD_R

ADIFFHP

L29_AP
FERR-220-OHM
0402

NO_TEST

HP_AUD_R_CONN

ADIFFHP

HP_AUD_R_CONN 10 14 1510 14 15

C148_AP
220UF
20%
4V
TANT
CASE-S-SM

7 LEFT_HP ADIFFHP

ADIFFHP

LEFT_HP_FILTERED

NO_TEST

R154_AP
3.3
5%
1/20W
MF
201

HP_AUD_L

ADIFFHP

L30_AP
FERR-220-OHM
0402

NO_TEST

HP_AUD_L_CONN

ADIFFHP

HP_AUD_L_CONN 10 14 1510 14 15

DZ16_AP
12.8V-100PF
201

DZ17_AP
12.8V-100PF
201

AUDIO_RET_HP 10 1410 14

R59_AP
3.9K
5%
1/20W
MF
201

R62_AP
3.9K
5%
1/20W
MF
201

R290_AP
200
201

XW40_AP
SM
NOSTUFF

7 EXT_MIC-

NO_TEST

L43_AP
FERR-220-OHM
0402

7 AUDIO_RET NO_TEST

PWR100

PWR100 AUDIO_RET_HP

XW28_AP
SM
NOSTUFF

7 HP_RET_SENSE

NO_TEST

DZ10_AP
12.8V-100PF
201

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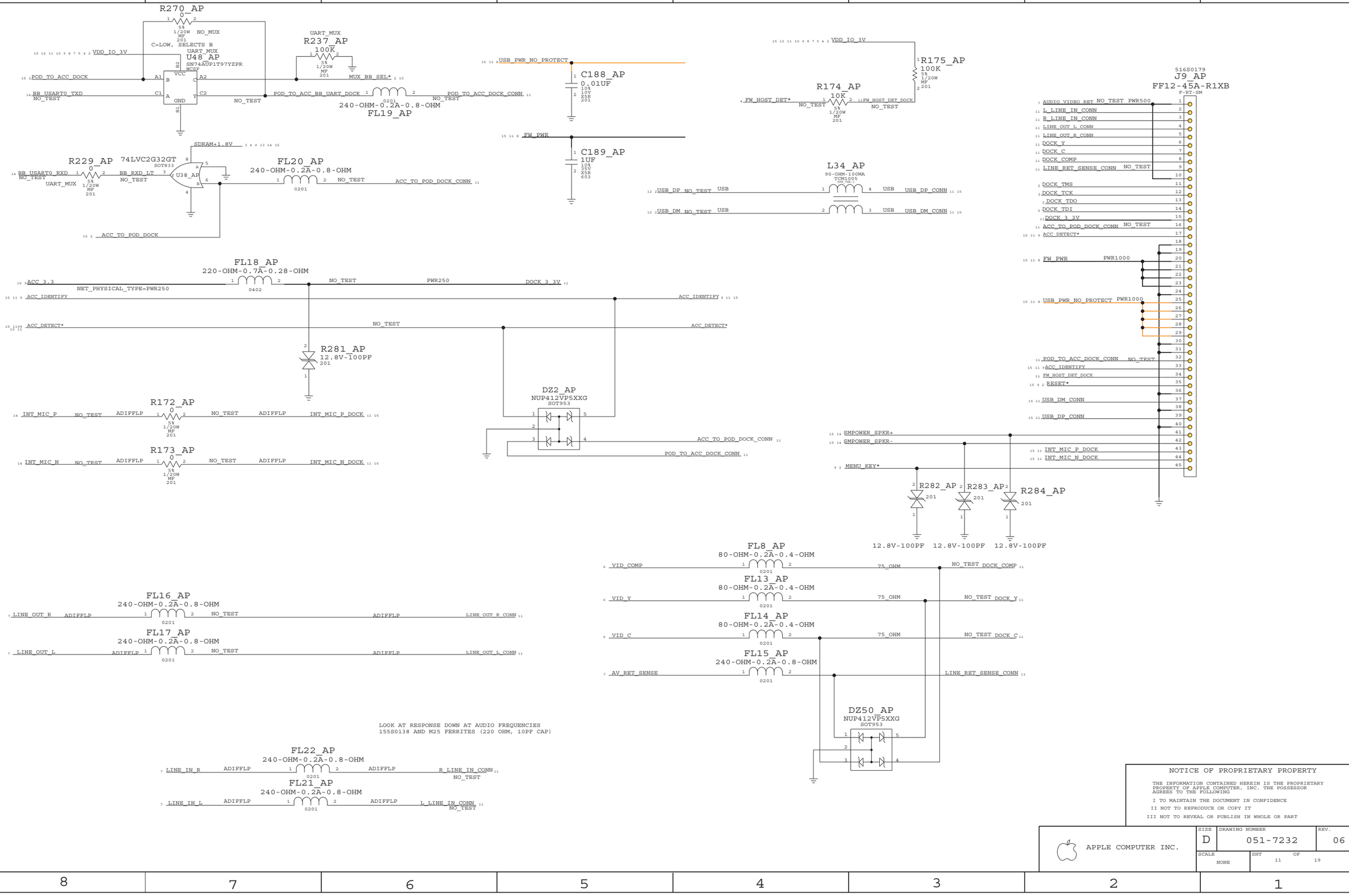
SIZE	DRAWING NUMBER	REV.
D	051-7232	06

SCALE	SHT	OF
NONE	10	19


R270_AP
0
5%
1/20W
MF
201
NO_MUX
C=LOW, SELECTS B
UART_MUX
U48_AP
SN74AUP1T97YZPR
WCSP
VDD_IO_3V
POD_TO_ACC_DOCK
BB_USART0_TXD
NO_TEST
UART_MUX
R237_AP
100K
MUX_BB_SEL*
POD_TO_ACC_BB_UART_DOCK
POD_TO_ACC_DOCK_CONN
240-OHM-0.2A-0.8-OHM
FL19_AP
0201
USB_PWR_NO_PROTECT
C188_AP
0.01UF
10%
10V
X5R
201
FW_PWR
C189_AP
1UF
603
R175_AP
100K
R174_AP
10K
FW_HOST_DET*
FW_HOST_DET_DOCK
SDRAM+1.8V
R229_AP
74LVC2G32GT
SOT833
U38_AP
BB_USART0_RXD
BB_RXD_LT
FL20_AP
240-OHM-0.2A-0.8-OHM
ACC_TO_POD_DOCK_CONN
ACC_TO_POD_DOCK
L34_AP
90-OHM-100MA
TCM1005
USB_DP_NO_TEST
USB_DM_NO_TEST
USB_DP_CONN
USB_DM_CONN
516S0179
J9_AP
FF12-45A-R1XB
F-RT-SM
AUDIO_VIDEO_RET
L_LINE_IN_CONN
R_LINE_IN_CONN
LINE_OUT_L_CONN
LINE_OUT_R_CONN
DOCK_Y
DOCK_C
DOCK_COMP
LINE_RET_SENSE_CONN
DOCK_TMS
DOCK_TCK
DOCK_TDO
DOCK_TDI
DOCK_3_3V
ACC_DETECT*
PWR500
PWR1000
RESET*
FL18_AP
220-OHM-0.7A-0.28-OHM
ACC_3.3
NET_PHYSICAL_TYPE=PWR250
PWR250
DOCK_3_3V
ACC_IDENTIFY
R281_AP
12.8V-100PF
DZ2_AP
NUP412VP5XXG
SOT953
R172_AP
INT_MIC_P
ADIFFLP
INT_MIC_P_DOCK
R173_AP
INT_MIC_N
INT_MIC_N_DOCK
SMPOWER_SPKR+
SMPOWER_SPKR-
MENU_KEY*
R282_AP
R283_AP
R284_AP
FL8_AP
80-OHM-0.2A-0.4-OHM
VID_COMP
75_OHM
DOCK_COMP
FL13_AP
VID_Y
DOCK_Y
FL14_AP
VID_C
DOCK_C
FL15_AP
AV_RET_SENSE
DZ50_AP
FL16_AP
240-OHM-0.2A-0.8-OHM
FL17_AP
FL22_AP
LINE_IN_R
R_LINE_IN_CONN
FL21_AP
LINE_IN_L
L_LINE_IN_CONN
LOOK AT RESPONSE DOWN AT AUDIO FREQUENCIES
155S0138 AND M25 FERRITES (220 OHM, 10PF CAP)
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REV. 06
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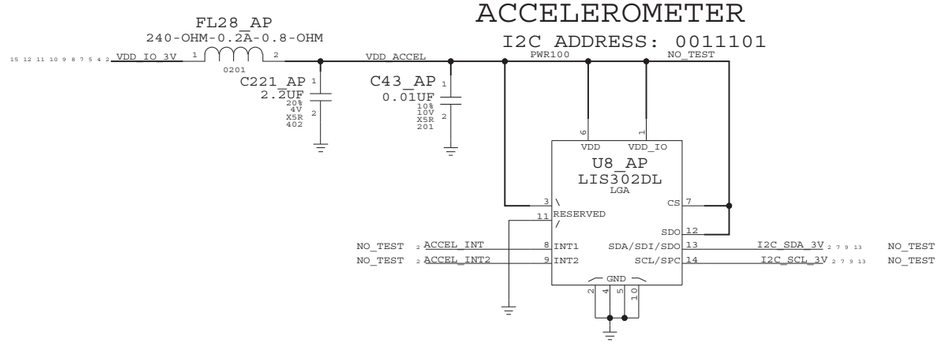
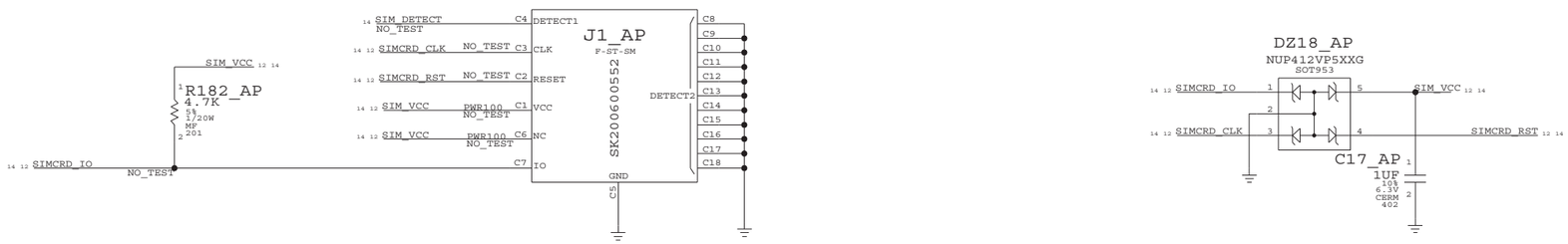
SHT 11 OF 19

ACCELEROMETER

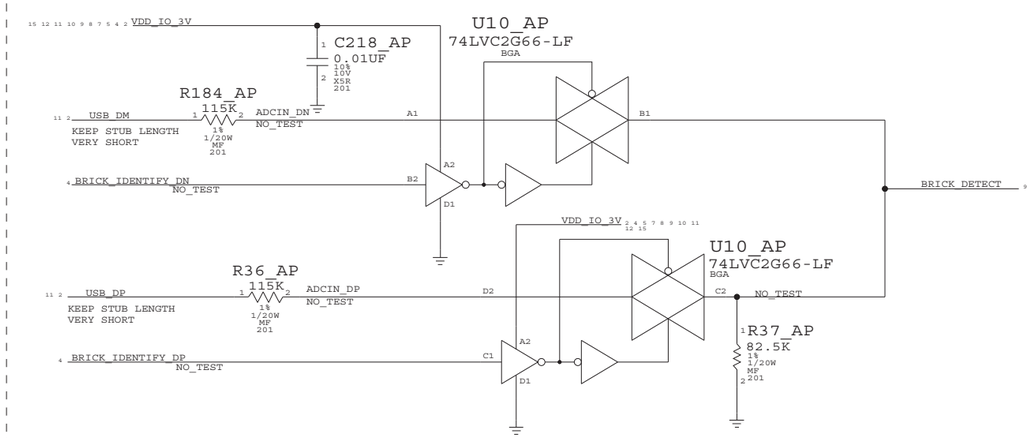
I2C ADDRESS: 0011101



AMPHENOL SIM CONNECTOR (512S0034) AND ESD



ADAPTER CURRENT CAPACITY DETECTION

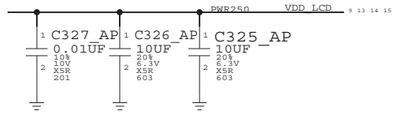


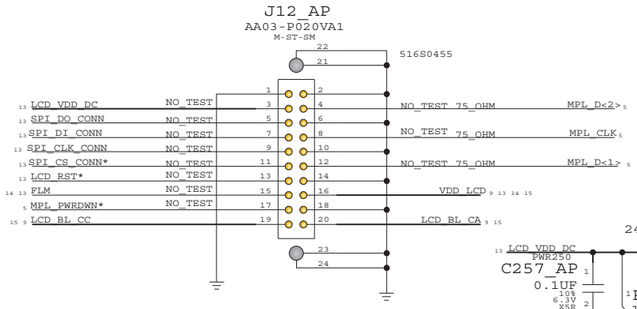
APPLE COMPUTER INC.

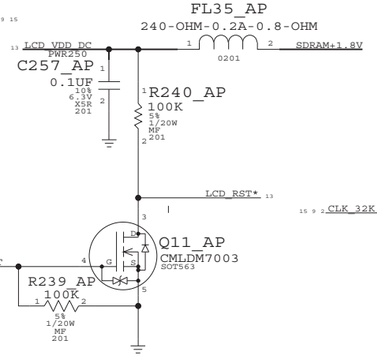
SIZE	DRAWING NUMBER	REV.
D	051-7232	06

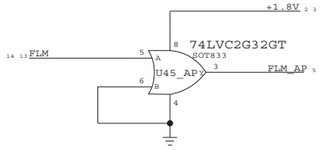
SCALE	SHT	OF
NONE	12	19

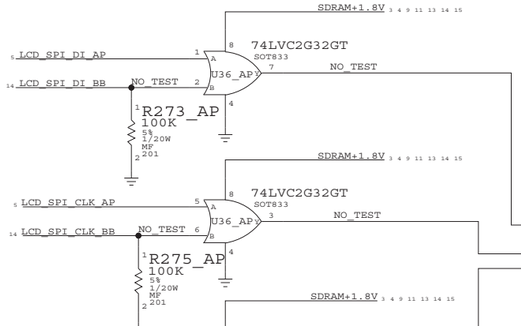
LCD CONNECTOR

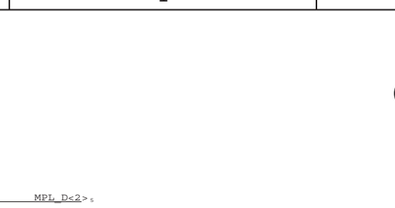




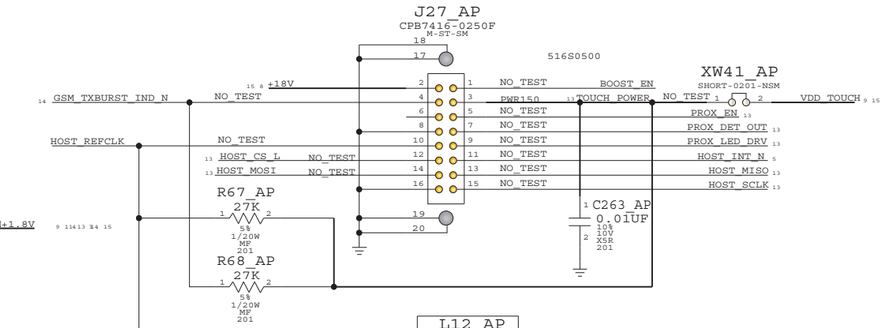


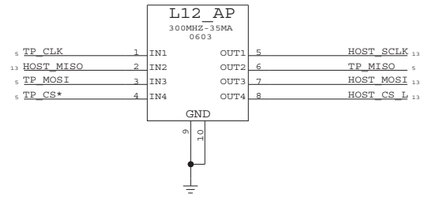


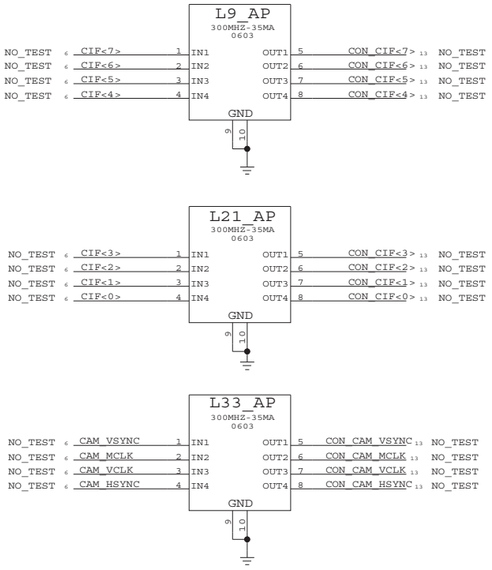




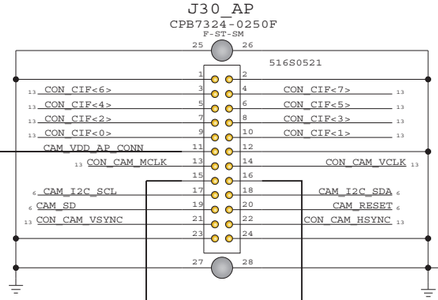
GRAPE CONNECTOR (POR)

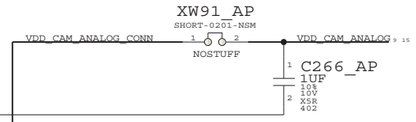






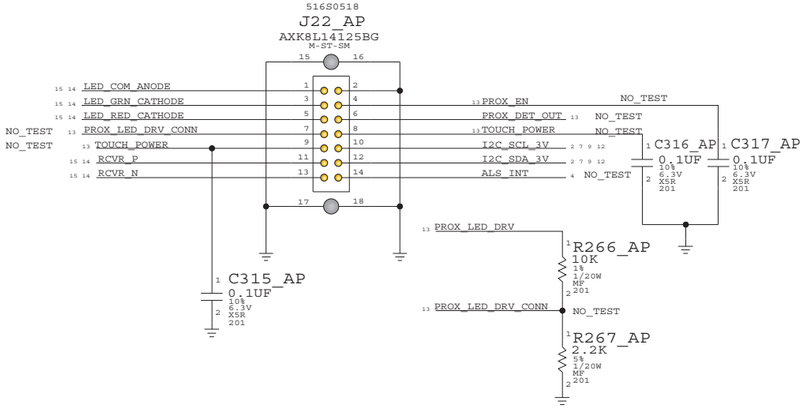
CAMERA CONNECTOR





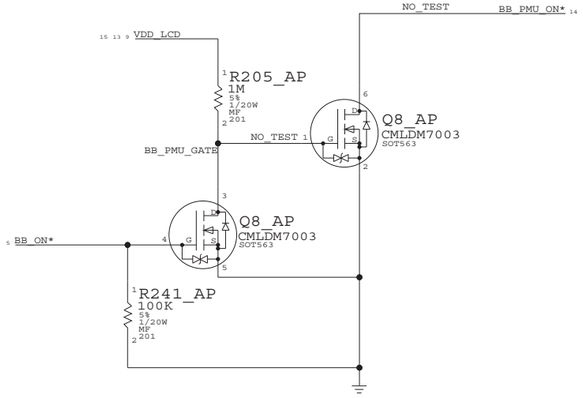
PROX/RECV CONNECTOR

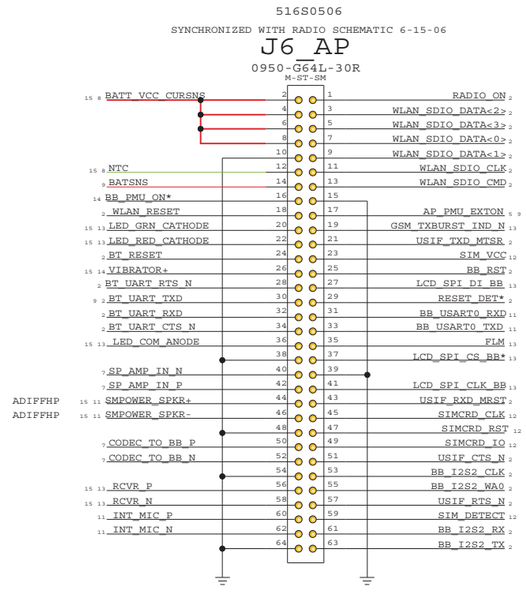
ALS I2C ADDRESS: 1001001X



APPLE COMPUTER INC.

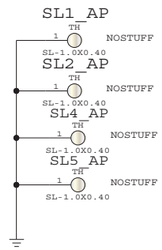
SIZE	DRAWING NUMBER	REV.
D	051-7232	06
SCALE: NONE	SHT 13 OF 19	

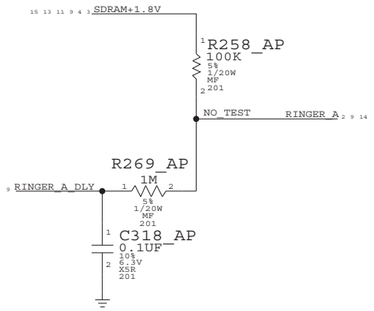




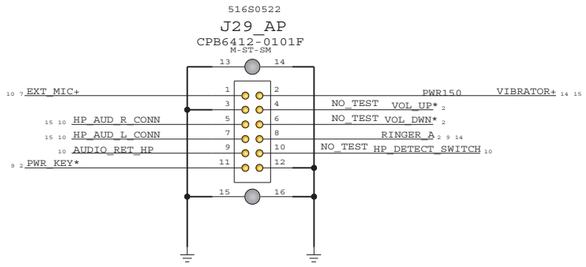
SHIELD CAN

SHIELD CAN ALIGNMENT SLOTS





HOLD/VOLUME UP&DOWN



APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7232	06
SCALE: NONE	SHT 14 OF 19	

TEST POINTS

GPIO

TP1 FUNC_TEST MUX_BB_SEL* 2 11

TP48 FUNC_TEST GPIO19 2

AUDIO

TP40 FUNC_TEST EXT_MIC_P1 7 10

SPEAKER

TP43 FUNC_TEST SMPOWER_SPKR+ 11 14

TP44 FUNC_TEST SMPOWER_SPKR- 11 14

RECEIVER

TP45 FUNC_TEST RCVR_P 13 14

TP46 FUNC_TEST RCVR_N 13 14

INT MIC

TP59 FUNC_TEST HP_AUD_R_CONN 10 14

TP60 FUNC_TEST HP_AUD_L_CONN 10 14

TP68 FUNC_TEST INT_MIC_P_DOCK 11

TP69 FUNC_TEST INT_MIC_N_DOCK 11

CLOCK

TP1 FUNC_TEST CLK_24M_O 2

TP2 FUNC_TEST CLK_SYS_OUT 2

TP74 FUNC_TEST CLK_32K 2 9 13

LED

TP49 FUNC_TEST LED_GRN_CATHODE 13 14

TP50 FUNC_TEST LED_RED_CATHODE 13 14

TP53 FUNC_TEST LED_COM_ANODE 13 14

VIBE

TP52 FUNC_TEST VIBRATOR+ 14

UART

TP38 FUNC_TEST POD_TO_ACC_DOCK 2 11

TP39 FUNC_TEST ACC_TO_POD_DOCK 2 11

TP55 FUNC_TEST UART4_RXD 2

TP54 FUNC_TEST UART4_TXD 2

USB

TP35 FUNC_TEST USB_DP_CONN 11

TP36 FUNC_TEST USB_DM_CONN 11

RESET

TP42 FUNC_TEST RESET* 2 9 11

ACCESSORY DETECT

TP46 FUNC_TEST ACC_DETECT* 9 11

TP47 FUNC_TEST ACC_IDENTIFY 9 11

POWER

TP41 FUNC_TEST +18V 8 13

TP42 FUNC_TEST VCC_MAIN 8 9

TP23 FUNC_TEST FW_PWR 8 11

TP24 FUNC_TEST USB_PWR_NO_PROTECT 8 11

TP25 FUNC_TEST BATT_VCC_CURSNS 8 14

FUNC_TEST

TP27 FUNC_TEST FW_REG_PWR 8

TP20 FUNC_TEST USB_PWR 2 8 9

TP15 FUNC_TEST +1.0V 2 4 9

TP16 FUNC_TEST SDRAM+1.8V 3 4 9 11 13 14

TP17 FUNC_TEST +1.8V 2 3 5 6 7 9 13

TP32 FUNC_TEST ACC_3.3 9 11

TP33 FUNC_TEST VDD_IO_3V 2 4 5 7 8 9 10 11 12

TP35 FUNC_TEST VDD_VIDEO_3V 6 9

TP34 FUNC_TEST VDD_LCD 9 13 14

TP36 FUNC_TEST CODEC_3.0 7 9

TP37 FUNC_TEST NAND_SUPPLY 4

TP38 FUNC_TEST VDD_TOUCH 9 13

TP39 FUNC_TEST VDD_CAM_ANALOG 9 13

TP28 FUNC_TEST LCD_BL_CC 9 13

TP44 FUNC_TEST LCD_BL_CA 9 13

TP33 FUNC_TEST OV_FLAG* 4 8

TP40 FUNC_TEST NTC 8 14

TP61 FUNC_TEST TIMER 8

APPLE COMPUTER INC.

SIZE D | DRAWING NUMBER 051-7232 | REV. 06

SCALE NONE | SHT 15 OF 19

Title: Basenet Report
Design: m68_aps
Date: Nov 10 11:08:47 2006

Base nets and synonyms for m68_aps_lib.M68_APS(@m68_aps_lib.m68_aps(sch_1))

Base Signal	Synonyms	Location([Zone][dir])
+1.0V	+1.0V - @m68_aps_lib.M68_APS	2D6 2D7 4B1 4C1 4C1 4D1 9D3 9D3 15C3
+1.8V	+1.8V - @m68_aps_lib.M68_APS	2A1 2D1 3B2 3B3 3C8 3D2 3D3 3D3 5C2 5D5 6C2 6D2 7D7 9D1 13B5 13C5 15C3
+1.8V_CTRL	+1.8V_CTRL - @m68_aps_lib.M68_APS	9D2
+1.8V_CTRL2	+1.8V_CTRL2 - @m68_aps_lib.M68_APS	9C1 9D1
+1.8_FB	+1.8_FB - @m68_aps_lib.M68_APS	9C4 9C4
+18V	+18V - @m68_aps_lib.M68_APS	8B5 13D3 15D2
1.0_FB	1.0_FB - @m68_aps_lib.M68_APS	9C4
1.0_LX	1.0_LX - @m68_aps_lib.M68_APS	9C4
1.8_LX	1.8_LX - @m68_aps_lib.M68_APS	9C4
18V_FB	18V_FB - @m68_aps_lib.M68_APS	8A6
18V_L	18V_L - @m68_aps_lib.M68_APS	8A7
18V_SW	18V_SW - @m68_aps_lib.M68_APS	8A6
24M_O	24M_O - @m68_aps_lib.M68_APS	2B6
27M_O	27M_O - @m68_aps_lib.M68_APS	6A4
ACCEL_INT	ACCEL_INT - @m68_aps_lib.M68_APS	2B3 12D5
ACCEL_INT2	ACCEL_INT2 - @m68_aps_lib.M68_APS	2B3 12D5
ACCSW	ACCSW - @m68_aps_lib.M68_APS	9B5
ACC_3.3	ACC_3.3 - @m68_aps_lib.M68_APS	9B3 11C8 15B3
ACC_DETECT*	ACC_DETECT* - @m68_aps_lib.M68_APS	9C7 11C2 11C8 11C8 15B4
ACC_IDENTIFY	ACC_IDENTIFY - @m68_aps_lib.M68_APS	9A3 11C2 11C4 11C8 15B4
ACC_TO_POD_DOCK	ACC_TO_POD_DOCK - @m68_aps_lib.M68_APS	2C2 11C8 15C4
ACC_TO_POD_DOCK_CONN	ACC_TO_POD_DOCK_CONN - @m68_aps_lib.M68_APS	11B4 11C2 11D6
ACPR*	ACPR* - @m68_aps_lib.M68_APS	8C2
ADCIN1	ADCIN1 - @m68_aps_lib.M68_APS	9B5
ADCIN_DN	ADCIN_DN - @m68_aps_lib.M68_APS	12B5
ADCIN_DP	ADCIN_DP - @m68_aps_lib.M68_APS	12A5
ADPTSNS	ADPTSNS - @m68_aps_lib.M68_APS	8C3 9B7
ALS_INT	ALS_INT - @m68_aps_lib.M68_APS	4D8 13B1
AP_PMU_EXTON	AP_PMU_EXTON - @m68_aps_lib.M68_APS	5B8 9C8 14C4
AUDIO_RET	AUDIO_RET - @m68_aps_lib.M68_APS	7A4 7B2 10B7
AUDIO_RET_HP	AUDIO_RET_HP - @m68_aps_lib.M68_APS	10B2 10B2 14A5
AUDIO_VIDEO_RET	AUDIO_VIDEO_RET - @m68_aps_lib.M68_APS	7A3 11D2
AUD_I2S_BITCLK	AUD_I2S_BITCLK - @m68_aps_lib.M68_APS	2C3 7B5
AUD_I2S_LRC	AUD_I2S_LRC - @m68_aps_lib.M68_APS	2C3 7C5
AUD_I2S_SDIN	AUD_I2S_SDIN - @m68_aps_lib.M68_APS	2C3 7C5
AUD_I2S_SDOUT	AUD_I2S_SDOUT - @m68_aps_lib.M68_APS	2C3 7C7
AUD_MCLK	AUD_MCLK - @m68_aps_lib.M68_APS	2C2 7C7
AUD_MCLK_H1	AUD_MCLK_H1 - @m68_aps_lib.M68_APS	2C3
AV_RET_SENSE	AV_RET_SENSE - @m68_aps_lib.M68_APS	7B2 11A5
BATSNS	BATSNS - @m68_aps_lib.M68_APS	9B7 14C5
BATT_635	BATT_635 - @m68_aps_lib.M68_APS	9B6
BATT_VCC_CURSNS	BATT_VCC_CURSNS - @m68_aps_lib.M68_APS	8B1 14D5 15C2
BB_BT_WIFI_WAKE	BB_BT_WIFI_WAKE - @m68_aps_lib.M68_APS	9C7
BB_I2S2_CLK	BB_I2S2_CLK - @m68_aps_lib.M68_APS	2C1 14C4
BB_I2S2_RX	BB_I2S2_RX - @m68_aps_lib.M68_APS	2C2 14C4
BB_I2S2_TX	BB_I2S2_TX - @m68_aps_lib.M68_APS	2C1 14C4
BB_I2S2_WA0	BB_I2S2_WA0 - @m68_aps_lib.M68_APS	2C3 14C4
BB_I2S_CLK	BB_I2S_CLK - @m68_aps_lib.M68_APS	2C4
BB_I2S_SDI	BB_I2S_SDI - @m68_aps_lib.M68_APS	2C4
BB_I2S_SDO	BB_I2S_SDO - @m68_aps_lib.M68_APS	2C4
BB_I2S_WS	BB_I2S_WS - @m68_aps_lib.M68_APS	2C4
BB_ON*	BB_ON* - @m68_aps_lib.M68_APS	5B7 14C8
BB_PMU_GATE	BB_PMU_GATE - @m68_aps_lib.M68_APS	14C8
BB_PMU_ON*	BB_PMU_ON* - @m68_aps_lib.M68_APS	14C5 14D6
BB_RST	BB_RST - @m68_aps_lib.M68_APS	2C6 14C4
BB_RXD_LT	BB_RXD_LT - @m68_aps_lib.M68_APS	11D8
BB_USART0_RXD	BB_USART0_RXD - @m68_aps_lib.M68_APS	11D8 14C4
BB_USART0_TXD	BB_USART0_TXD - @m68_aps_lib.M68_APS	11D8 14C4
BOARD_ID0	BOARD_ID0 - @m68_aps_lib.M68_APS	2C4
BOARD_ID1	BOARD_ID1 - @m68_aps_lib.M68_APS	2C3
BOOST_EN	BOOST_EN - @m68_aps_lib.M68_APS	8A6 13D1
BOOST_GATE	BOOST_GATE - @m68_aps_lib.M68_APS	9A4 9C6
BRICK_DETECT	BRICK_DETECT - @m68_aps_lib.M68_APS	9B4 12A3
BRICK_IDENTIFY_DN	BRICK_IDENTIFY_DN - @m68_aps_lib.M68_APS	4C8 12A6
BRICK_IDENTIFY_DP	BRICK_IDENTIFY_DP - @m68_aps_lib.M68_APS	4C8 12A6
BT_RESET	BT_RESET - @m68_aps_lib.M68_APS	2C6 14C5
BT_UART_CTS_N	BT_UART_CTS_N - @m68_aps_lib.M68_APS	2B3 14C5
BT_UART_RTS_N	BT_UART_RTS_N - @m68_aps_lib.M68_APS	2A2 14C5
BT_UART_RXD	BT_UART_RXD - @m68_aps_lib.M68_APS	2B3 14C5
BT_UART_TXD	BT_UART_TXD - @m68_aps_lib.M68_APS	2A2 9C7 14C5
BUBAT	BUBAT - @m68_aps_lib.M68_APS	9B5
BUCK_BST	BUCK_BST - @m68_aps_lib.M68_APS	8D4 8D5
BUCK_FB	BUCK_FB - @m68_aps_lib.M68_APS	8C6
BUCK_SW	BUCK_SW - @m68_aps_lib.M68_APS	8D5 8D6
CAMERA_LDO_EN	CAMERA_LDO_EN - @m68_aps_lib.M68_APS	2C6 9C3
CAM_HSYNC	CAM_HSYNC - @m68_aps_lib.M68_APS	6C3 13B8
CAM_I2C_SCL	CAM_I2C_SCL - @m68_aps_lib.M68_APS	6B3 13A6
CAM_I2C_SDA	CAM_I2C_SDA - @m68_aps_lib.M68_APS	6B3 13A5
CAM_MCLK	CAM_MCLK - @m68_aps_lib.M68_APS	6C1 13B8
CAM_MCLK_H1	CAM_MCLK_H1 - @m68_aps_lib.M68_APS	6C2
CAM_RESET	CAM_RESET - @m68_aps_lib.M68_APS	6C3 13A5
CAM_SD	CAM_SD - @m68_aps_lib.M68_APS	6C3 13A6
CAM_VCLK	CAM_VCLK - @m68_aps_lib.M68_APS	6C3 13B8
CAM_VDD_AP_CONN	CAM_VDD_AP_CONN - @m68_aps_lib.M68_APS	13A6
CAM_VSYNC	CAM_VSYNC - @m68_aps_lib.M68_APS	6C3 13B8
CHGCUR	CHGCUR - @m68_aps_lib.M68_APS	9B6
CHGR_SHUTDOWN	CHGR_SHUTDOWN - @m68_aps_lib.M68_APS	2B3 8B5
CHGR_STATUS_IN	CHGR_STATUS_IN - @m68_aps_lib.M68_APS	4D8 8B5
CHGR_SUSPEND	CHGR_SUSPEND - @m68_aps_lib.M68_APS	2B3 8A1
CIF<0>	CIF<0> - @m68_aps_lib.M68_APS	6C3 13B8
CIF<7..0>	CIF<7..0> - @m68_aps_lib.M68_APS	6C2
CIF<1>	CIF<1> - @m68_aps_lib.M68_APS	6C3 13C8
CIF<2>	CIF<2> - @m68_aps_lib.M68_APS	6C3 13C8
CIF<3>	CIF<3> - @m68_aps_lib.M68_APS	6C3 13C8
CIF<4>	CIF<4> - @m68_aps_lib.M68_APS	6B3 13C8
CIF<5>	CIF<5> - @m68_aps_lib.M68_APS	6B3 13C8
CIF<6>	CIF<6> - @m68_aps_lib.M68_APS	6B3 13C8
CIF<7>	CIF<7> - @m68_aps_lib.M68_APS	6B3 13C8
CIN	CIN - @m68_aps_lib.M68_APS	6C6
CKE0	CKE0 - @m68_aps_lib.M68_APS	3B8 3C6
CKE1	CKE1 - @m68_aps_lib.M68_APS	3B8 3C6
CKE_EN	CKE_EN - @m68_aps_lib.M68_APS	3B8 9C6
CLCD_HSYNC	CLCD_HSYNC - @m68_aps_lib.M68_APS	5B4 5B5
CLCD_VCLK	CLCD_VCLK - @m68_aps_lib.M68_APS	5B5
CLK_24M_O	CLK_24M_O - @m68_aps_lib.M68_APS	2D7 15D5
CLK_32K	CLK_32K - @m68_aps_lib.M68_APS	2A2 2C6 9C6 13C4 15C5
CLK_SYS_OUT	CLK_SYS_OUT - @m68_aps_lib.M68_APS	2D7 15C5
CODEC_3.0	CODEC_3.0 - @m68_aps_lib.M68_APS	7D7 9B3 9D3 15B3
CODEC_RIN	CODEC_RIN - @m68_aps_lib.M68_APS	7C7
CODEC_RIP	CODEC_RIP - @m68_aps_lib.M68_APS	7C7
CODEC_TO_BB_N	CODEC_TO_BB_N - @m68_aps_lib.M68_APS	7C4 14C5
CODEC_TO_BB_P	CODEC_TO_BB_P - @m68_aps_lib.M68_APS	7C4 14C5
CON_CAM_HSYNC	CON_CAM_HSYNC - @m68_aps_lib.M68_APS	13A5 13B7
CON_CAM_MCLK	CON_CAM_MCLK - @m68_aps_lib.M68_APS	13A6 13B7
CON_CAM_VCLK	CON_CAM_VCLK - @m68_aps_lib.M68_APS	13A4 13B7
CON_CAM_VSYNC	CON_CAM_VSYNC - @m68_aps_lib.M68_APS	13A6 13B7
CON_CIF<0>	CON_CIF<0> - @m68_aps_lib.M68_APS	13A6 13B7
CON_CIF<1>	CON_CIF<1> - @m68_aps_lib.M68_APS	13A5 13C7
CON_CIF<2>	CON_CIF<2> - @m68_aps_lib.M68_APS	13A6 13C7
CON_CIF<3>	CON_CIF<3> - @m68_aps_lib.M68_APS	13A5 13C7
CON_CIF<4>	CON_CIF<4> - @m68_aps_lib.M68_APS	13A6 13C7
CON_CIF<5>	CON_CIF<5> - @m68_aps_lib.M68_APS	13A5 13C7
CON_CIF<6>	CON_CIF<6> - @m68_aps_lib.M68_APS	13A6 13C7
CON_CIF<7>	CON_CIF<7> - @m68_aps_lib.M68_APS	13A5 13C7
COUT	COUT - @m68_aps_lib.M68_APS	6C7
CVBSIN	CVBSIN - @m68_aps_lib.M68_APS	6C6
CVBS_OUT	CVBS_OUT - @m68_aps_lib.M68_APS	6C7
DAC_COMP	DAC_COMP - @m68_aps_lib.M68_APS	6C4
DAC_IREF	DAC_IREF - @m68_aps_lib.M68_APS	6C4
DAC_OUT1	DAC_OUT1 - @m68_aps_lib.M68_APS	6C4
DAC_OUT2	DAC_OUT2 - @m68_aps_lib.M68_APS	6C4
DAC_OUT3	DAC_OUT3 - @m68_aps_lib.M68_APS	6C4
DAC_VREF	DAC_VREF - @m68_aps_lib.M68_APS	6C4
DOCK_3_3V	DOCK_3_3V - @m68_aps_lib.M68_APS	11C2 11C5
DOCK_C	DOCK_C - @m68_aps_lib.M68_APS	11A3 11D2
DOCK_COMP	DOCK_COMP - @m68_aps_lib.M68_APS	11B3 11D2
DOCK_TCK	DOCK_TCK - @m68_aps_lib.M68_APS	2C7 11D2
DOCK_TDI	DOCK_TDI - @m68_aps_lib.M68_APS	2C7 11C2
DOCK_TDO	DOCK_TDO - @m68_aps_lib.M68_APS	2C7 11C2
DOCK_TMS	DOCK_TMS - @m68_aps_lib.M68_APS	2C7 11D2
DOCK_TRST*	DOCK_TRST* - @m68_aps_lib.M68_APS	2C7
DOCK_Y	DOCK_Y - @m68_aps_lib.M68_APS	11B3 11D2
DUAL_LDO_SRC	DUAL_LDO_SRC - @m68_aps_lib.M68_APS	9C2
EXT_MIC+	EXT_MIC+ - @m68_aps_lib.M68_APS	7C8 10C2 10C6 14A5
EXT_MIC-	EXT_MIC- - @m68_aps_lib.M68_APS	7C8 10B5
EXT_MIC_GATE	EXT_MIC_GATE - @m68_aps_lib.M68_APS	7C3
EXT_MIC_P1	EXT_MIC_P1 - @m68_aps_lib.M68_APS	7B2 10C7 15C7
EXT_MIC_P2	EXT_MIC_P2 - @m68_aps_lib.M68_APS	10C6
FAD<0>	FAD<0> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<7..0>	FAD<7..0> - @m68_aps_lib.M68_APS	4B8 4D5
FAD<1>	FAD<1> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<2>	FAD<2> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<3>	FAD<3> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<4>	FAD<4> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<5>	FAD<5> - @m68_aps_lib.M68_APS	4B8 4D6
FAD<6>	FAD<6> - @m68_aps_lib.M68_APS	4B8 4C6
FAD<7>	FAD<7> - @m68_aps_lib.M68_APS	4B8 4C6
FALE	FALE - @m68_aps_lib.M68_APS	4A8 4C5
FCE0*	FCE0* - @m68_aps_lib.M68_APS	4A8 4C7
FCE1*	FCE1* - @m68_aps_lib.M68_APS	4A8 4C7
FCE2*	FCE2* - @m68_aps_lib.M68_APS	4B6 4C7
FCE3*	FCE3* - @m68_aps_lib.M68_APS	4B6 4C7
FCLE	FCLE - @m68_aps_lib.M68_APS	4A8 4C5
FLASH_RST*	FLASH_RST* - @m68_aps_lib.M68_APS	3B3
FLM	FLM - @m68_aps_lib.M68_APS	13C6 13D6 14C4
FLM_AP	FLM_AP - @m68_aps_lib.M68_APS	5B7 13C5
FRDYBSY1*	FRDYBSY1* - @m68_aps_lib.M68_APS	4A6 4A8 4C7
FRDYBSY2*	FRDYBSY2* - @m68_aps_lib.M68_APS	2C6 4A6 4A8
FRDYBSY3*	FRDYBSY3* - @m68_aps_lib.M68_APS	2C6 4A6 4B6
FRDYBSY4*	FRDYBSY4* - @m68_aps_lib.M68_APS	2C6 4A6 4B6
FRE*	FRE* - @m68_aps_lib.M68_APS	4A8 4C5
FWE*	FWE* - @m68_aps_lib.M68_APS	4A8 4C5
FWP*	FWP* - @m68_aps_lib.M68_APS	4A8 4C5 4C5
FW_HOST_DET*	FW_HOST_DET* - @m68_aps_lib.M68_APS	4C8 11D4
FW_HOST_DET_DOCK	FW_HOST_DET_DOCK - @m68_aps_lib.M68_APS	11C2 11D3
FW_PWR	FW_PWR - @m68_aps_lib.M68_APS	8D7 11C2 11D5 15C2
FW_REG_PWR	FW_REG_PWR - @m68_aps_lib.M68_APS	8C4 8D1 15C2
FW_REG_PWR_BUCK	FW_REG_PWR_BUCK - @m68_aps_lib.M68_APS	8D3
GATED_CKE0	GATED_CKE0 - @m68_aps_lib.M68_APS	3B4 3B6
GATED_CKE1	GATED_CKE1 - @m68_aps_lib.M68_APS	3A4 3B7
GPIO19	GPIO19 - @m68_aps_lib.M68_APS	2B6 15C7
GRAPE_LDO_EN	GRAPE_LDO_EN - @m68_aps_lib.M68_APS	6B4 9C3
GSM_TXBURST_IND_N	GSM_TXBURST_IND_N - @m68_aps_lib.M68_APS	13D3 14C4
H1_TEST	H1_TEST - @m68_aps_lib.M68_APS	2D6
HCLDOIN	HCLDOIN - @m68_aps_lib.M68_APS	9B4 9D5
	LDO12IN - @m68_aps_lib.M68_APS	9B4 9D6
	LDO34IN - @m68_aps_lib.M68_APS	9B4 9D7
	LDO_SRC - @m68_aps_lib.M68_APS	9D5 9D6 9D7 9D8
	LDO34IN - @m68_aps_lib.M68_APS	9B4 9D7
	LDO12IN - @m68_aps_lib.M68_APS	9B4 9D6
HOLD_KEY	HOLD_KEY - @m68_aps_lib.M68_APS	2C4 2C7
HOST_CS_L	HOST_CS_L - @m68_aps_lib.M68_APS	13C1 13D3
HOST_INT_N	HOST_INT_N - @m68_aps_lib.M68_APS	5C7 13D1
HOST_MISO	HOST_MISO - @m68_aps_lib.M68_APS	13C3 13D1
HOST_MOSI	HOST_MOSI - @m68_aps_lib.M68_APS	13C1 13D3
HOST_REFCLK	HOST_REFCLK - @m68_aps_lib.M68_APS	13D3
HOST_SCLK	HOST_SCLK - @m68_aps_lib.M68_APS	13C1 13D1
HOST_WAKE*	HOST_WAKE* - @m68_aps_lib.M68_APS	5C7
HP_AUD_L	HP_AUD_L - @m68_aps_lib.M68_APS	10C5
HP_AUD_L_CONN	HP_AUD_L_CONN - @m68_aps_lib.M68_APS	10C2 10C2 14A5 15B7
HP_AUD_R	HP_AUD_R - @m68_aps_lib.M68_APS	10C5
HP_AUD_R_CONN	HP_AUD_R_CONN - @m68_aps_lib.M68_APS	10C2 10C2 14A5 15B7
HP_COM	HP_COM - @m68_aps_lib.M68_APS	7B3 7C7
HP_DETECT	HP_DETECT - @m68_aps_lib.M68_APS	4C8 10D6
HP_DETECT_SWITCH	HP_DETECT_SWITCH - @m68_aps_lib.M68_APS	10C2 10C2 14A4
HP_RET_SENSE	HP_RET_SENSE - @m68_aps_lib.M68_APS	7B2 10B6
I2C_SCL_3V	I2C_SCL_3V - @m68_aps_lib.M68_APS	2D2 7C7 9C6 12D4 13B1
I2C_SDA_3V	I2C_SDA_3V - @m68_aps_lib.M68_APS	2D2 7C5 9C6 12D4 13B1
INT_MIC_N	INT_MIC_N - @m68_aps_lib.M68_APS	11B8 14C5
INT_MIC_N_DOCK	INT_MIC_N_DOCK - @m68_aps_lib.M68_APS	11B2 11B6
INT_MIC_P	INT_MIC_P - @m68_aps_lib.M68_APS	11C8 14C5
INT_MIC_P_DOCK	INT_MIC_P_DOCK - @m68_aps_lib.M68_APS	11B2 11C6
KEEPACT	KEEPACT - @m68_aps_lib.M68_APS	9C6
LCD_BL_CA	LCD_BL_CA - @m68_aps_lib.M68_APS	9A3 9B1 13D5 15B2
LCD_BL_CC	LCD_BL_CC - @m68_aps_lib.M68_APS	9A1 13D6 15B2
LCD_D<0>	LCD_D<0> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<23..0>	LCD_D<23..0> - @m68_aps_lib.M68_APS	5C2 5C5
LCD_D<1>	LCD_D<1> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<2>	LCD_D<2> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<3>	LCD_D<3> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<4>	LCD_D<4> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<5>	LCD_D<5> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<6>	LCD_D<6> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<7>	LCD_D<7> - @m68_aps_lib.M68_APS	5C4 5C5
LCD_D<8>	LCD_D<8> - @m68_aps_lib.M68_APS	5B4 5C5
LCD_D<9>	LCD_D<9> - @m68_aps_lib.M68_APS	5B4 5C5
LCD_D<10>	LCD_D<10> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<11>	LCD_D<11> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<12>	LCD_D<12> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<13>	LCD_D<13> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<14>	LCD_D<14> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<15>	LCD_D<15> - @m68_aps_lib.M68_APS	5B4 5B5
LCD_D<16>	LCD_D<16> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<17>	LCD_D<17> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<18>	LCD_D<18> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<19>	LCD_D<19> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<20>	LCD_D<20> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<21>	LCD_D<21> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<22>	LCD_D<22> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_D<23>	LCD_D<23> - @m68_aps_lib.M68_APS	5B5 5C3
LCD_DE	LCD_DE - @m68_aps_lib.M68_APS	5B4
LCD_PCLK	LCD_PCLK - @m68_aps_lib.M68_APS	5B3
LCD_RST	LCD_RST - @m68_aps_lib.M68_APS	5B5 13C5
LCD_RST*	LCD_RST* - @m68_aps_lib.M68_APS	13C4 13D6
LCD_SPI_CLK	LCD_SPI_CLK - @m68_aps_lib.M68_APS	13B4
LCD_SPI_CLK_AP	LCD_SPI_CLK_AP - @m68_aps_lib.M68_APS	5B7 13B6
LCD_SPI_CLK_BB	LCD_SPI_CLK_BB - @m68_aps_lib.M68_APS	13B6 14C4
LCD_SPI_CS*	LCD_SPI_CS* - @m68_aps_lib.M68_APS	13B4
LCD_SPI_CS_AP*	LCD_SPI_CS_AP* - @m68_aps_lib.M68_APS	5B7 13B6
LCD_SPI_CS_BB*	LCD_SPI_CS_BB* - @m68_aps_lib.M68_APS	13B6 14C4
LCD_SPI_DI	LCD_SPI_DI - @m68_aps_lib.M68_APS	13B4
LCD_SPI_DI_AP	LCD_SPI_DI_AP - @m68_aps_lib.M68_APS	5B7 13C6
LCD_SPI_DI_BB	LCD_SPI_DI_BB - @m68_aps_lib.M68_APS	13C6 14C4
LCD_SPI_DO	LCD_SPI_DO - @m68_aps_lib.M68_APS	13B4
LCD_SPI_DO_AP	LCD_SPI_DO_AP - @m68_aps_lib.M68_APS	5B7 13B5
LCD_VDD_DC	LCD_VDD_DC - @m68_aps_lib.M68_APS	13D4 13D6
LCD_VS	LCD_VS - @m68_aps_lib.M68_APS	5B4
LEDIN	LEDIN - @m68_aps_lib.M68_APS	9B1
LEDOUT	LEDOUT - @m68_aps_lib.M68_APS	9B4
LED_COM_ANODE	LED_COM_ANODE - @m68_aps_lib.M68_APS	13B3 14C5 15C5
LED_GRN_CATHODE	LED_GRN_CATHODE - @m68_aps_lib.M68_APS	13B3 14C5 15C5
LED_LX	LED_LX - @m68_aps_lib.M68_APS	9A3 9B2
LED_RED_CATHODE	LED_RED_CATHODE - @m68_aps_lib.M68_APS	13B3 14C5 15C5
LEFT_HP	LEFT_HP - @m68_aps_lib.M68_APS	7C1 10C8
LEFT_HP_FILTERED	LEFT_HP_FILTERED - @m68_aps_lib.M68_APS	10C6
LINE_IN_L	LINE_IN_L - @m68_aps_lib.M68_APS	7B5 11A7
LINE_IN_R	LINE_IN_R - @m68_aps_lib.M68_APS	7A5 11A7
LINE_OUT_L	LINE_OUT_L - @m68_aps_lib.M68_APS	7A4 11A8
LINE_OUT_L_CONN	LINE_OUT_L_CONN - @m68_aps_lib.M68_APS	11A5 11D2
LINE_OUT_R	LINE_OUT_R - @m68_aps_lib.M68_APS	7A4 11B8
LINE_OUT_R_CONN	LINE_OUT_R_CONN - @m68_aps_lib.M68_APS	11B5 11D2
LINE_RET_SENSE_CONN	LINE_RET_SENSE_CONN - @m68_aps_lib.M68_APS	11A3 11D2
LLINEIN_01	LLINEIN_01 - @m68_aps_lib.M68_APS	7B7
LLINE_IN	LLINE_IN - @m68_aps_lib.M68_APS	7B7 7C7
LLINE_OUT	LLINE_OUT - @m68_aps_lib.M68_APS	7A7 7C4
LOUT_COM	LOUT_COM - @m68_aps_lib.M68_APS	7B3 7C7
LTC4066_CLPROG	LTC4066_CLPROG - @m68_aps_lib.M68_APS	8B4
LTC4066_ISTAT	LTC4066_ISTAT - @m68_aps_lib.M68_APS	8A2
LTC4066_POL	LTC4066_POL - @m68_aps_lib.M68_APS	8B4
LTC_4066_ADJ	LTC_4066_ADJ - @m68_aps_lib.M68_APS	8A4
LTC_4066_PROG	LTC_4066_PROG - @m68_aps_lib.M68_APS	8B3
L_LINE_IN_CONN	L_LINE_IN_CONN - @m68_aps_lib.M68_APS	11A6 11D2
MENU_KEY	MENU_KEY - @m68_aps_lib.M68_APS	2A7 2C6
MENU_KEY*	MENU_KEY* - @m68_aps_lib.M68_APS	2A8 9A8 9C8 9D8 11B4
MPL_CLK	MPL_CLK - @m68_aps_lib.M68_APS	5B2 13D4
MPL_D<1>	MPL_D<1> - @m68_aps_lib.M68_APS	5B2 13D4
MPL_D<2>	MPL_D<2> - @m68_aps_lib.M68_APS	5B2 13D4
MPL_PWRDWN*	MPL_PWRDWN* - @m68_aps_lib.M68_APS	5B7 13D6
MPL_SPI_CLK	MPL_SPI_CLK - @m68_aps_lib.M68_APS	5B2 5B7
MPL_SPI_CS*	MPL_SPI_CS* - @m68_aps_lib.M68_APS	5B2 5B7
MPL_S_D_L	MPL_S_D_L - @m68_aps_lib.M68_APS	5B2
MPL_VDD	MPL_VDD - @m68_aps_lib.M68_APS	5D4
MPL_VDDIO	MPL_VDDIO - @m68_aps_lib.M68_APS	5B1 5C3 5C5 5C8
MUX_BB_SEL*	MUX_BB_SEL* - @m68_aps_lib.M68_APS	2C6 11D6 15D7
NAND_PRE	NAND_PRE - @m68_aps_lib.M68_APS	4A8 4C5
NAND_SUPPLY	NAND_SUPPLY - @m68_aps_lib.M68_APS	4A6 4B6 4B7 15B2
NAND_SUPPLY_LDO	NAND_SUPPLY_LDO - @m68_aps_lib.M68_APS	4B6 9B3
NOR_CE*	NOR_CE* - @m68_aps_lib.M68_APS	3B5
NTC	NTC - @m68_aps_lib.M68_APS	8B1 14D5 15B2
NTC_4066	NTC_4066 - @m68_aps_lib.M68_APS	8B2
ONKEY*	ONKEY* - @m68_aps_lib.M68_APS	9C7 9D7
OSC32I	OSC32I - @m68_aps_lib.M68_APS	9A5 9B5
OSC32O	OSC32O - @m68_aps_lib.M68_APS	9A5 9B5
OV_FLAG*	OV_FLAG* - @m68_aps_lib.M68_APS	4D8 8B6 15B2
OV_GATE	OV_GATE - @m68_aps_lib.M68_APS	8B7
PLL0_FILTER	PLL0_FILTER - @m68_aps_lib.M68_APS	2B6
PLL1_FILTER	PLL1_FILTER - @m68_aps_lib.M68_APS	2B6
PLL2_FILTER	PLL2_FILTER - @m68_aps_lib.M68_APS	2B6
PLL_AVSS	PLL_AVSS - @m68_aps_lib.M68_APS	2A5 2A6 2D3
PM_IRQ*	PM_IRQ* - @m68_aps_lib.M68_APS	4D8 9C6
POD_TO_ACC_BB_UART_DOCK	POD_TO_ACC_BB_UART_DOCK - @m68_aps_lib.M68_APS	11D7
POD_TO_ACC_DOCK	POD_TO_ACC_DOCK - @m68_aps_lib.M68_APS	2C3 11D8 15D4
POD_TO_ACC_DOCK_CONN	POD_TO_ACC_DOCK_CONN - @m68_aps_lib.M68_APS	11B4 11C2 11D5
POWER_ON	POWER_ON - @m68_aps_lib.M68_APS	9C7 9C7
PROC_BT_UCTS	PROC_BT_UCTS - @m68_aps_lib.M68_APS	2A4 2B3
PROC_BT_URXD	PROC_BT_URXD - @m68_aps_lib.M68_APS	2A4 2B3
PROC_SYS_CLK	PROC_SYS_CLK - @m68_aps_lib.M68_APS	2C6
PROC_USB_CLK	PROC_USB_CLK - @m68_aps_lib.M68_APS	2C6
PROX_DET_OUT	PROX_DET_OUT - @m68_aps_lib.M68_APS	13B1 13D1
PROX_EN	PROX_EN - @m68_aps_lib.M68_APS	13B2 13D1
PROX_LED_DRV	PROX_LED_DRV - @m68_aps_lib.M68_APS	13B2 13D1
PROX_LED_DRV_CONN	PROX_LED_DRV_CONN - @m68_aps_lib.M68_APS	13A2 13B3
PTT	PTT - @m68_aps_lib.M68_APS	2C4 7C2
PWM0	PWM0 - @m68_aps_lib.M68_APS	2B6
PWM2	PWM2 - @m68_aps_lib.M68_APS	2B6
PWM3	PWM3 - @m68_aps_lib.M68_APS	2B6
PWRDWN_2512*	PWRDWN_2512* - @m68_aps_lib.M68_APS	5B2 5B5
PWR_KEY*	PWR_KEY* - @m68_aps_lib.M68_APS	2C8 9A8 9C8 9C8 9D7 14A5
Q1.3	Q1.3 - @m68_aps_lib.M68_APS	8A2
RADIO_ON	RADIO_ON - @m68_aps_lib.M68_APS	2C6 14D4
RC1	RC1 - @m68_aps_lib.M68_APS	2B8
RC2	RC2 - @m68_aps_lib.M68_APS	2B7
RC3	RC3 - @m68_aps_lib.M68_APS	2A7
RCVR_N	RCVR_N - @m68_aps_lib.M68_APS	13B3 14C5 15B7
RCVR_P	RCVR_P - @m68_aps_lib.M68_APS	13B3 14C5 15C7
REFC	REFC - @m68_aps_lib.M68_APS	9B5
REF_GND	REF_GND - @m68_aps_lib.M68_APS	9A6
RESET*	RESET* - @m68_aps_lib.M68_APS	2D8 9C7 11C2 15B4
RESET_DET*	RESET_DET* - @m68_aps_lib.M68_APS	2C6 2C8 14C4
RESET_H1*	RESET_H1* - @m68_aps_lib.M68_APS	2D6 2D7
RIGHT_HP	RIGHT_HP - @m68_aps_lib.M68_APS	7C1 10C8
RIGHT_HP_FILTERED	RIGHT_HP_FILTERED - @m68_aps_lib.M68_APS	10C6
RINGER_A	RINGER_A - @m68_aps_lib.M68_APS	2A5 9B8 14A4 14B6
RINGER_AB	RINGER_AB - @m68_aps_lib.M68_APS	2A7 2C3
RINGER_AB_CHG	RINGER_AB_CHG - @m68_aps_lib.M68_APS	9B7 9B8
RINGER_A_DLY	RINGER_A_DLY - @m68_aps_lib.M68_APS	9B8 14A7
RLINEIN_01	RLINEIN_01 - @m68_aps_lib.M68_APS	7A7
RLINE_IN	RLINE_IN - @m68_aps_lib.M68_APS	7A7 7C7
RLINE_OUT	RLINE_OUT - @m68_aps_lib.M68_APS	7A7 7C4
R_LINE_IN_CONN	R_LINE_IN_CONN - @m68_aps_lib.M68_APS	11A6 11D2
SDRAM+1.8V	SDRAM+1.8V - @m68_aps_lib.M68_APS	3B8 3C8 4B1 9B8 9C2 9C8 9C8 9C8 9D2 9D3 11D7 13B5 13B5 13C5 13D3 14B6 15C2
SHDWN	SHDWN - @m68_aps_lib.M68_APS	9C7
SIMCRD_CLK	SIMCRD_CLK - @m68_aps_lib.M68_APS	12C4 12C7 14C4
SIMCRD_IO	SIMCRD_IO - @m68_aps_lib.M68_APS	12B8 12C4 14C4
SIMCRD_RST	SIMCRD_RST - @m68_aps_lib.M68_APS	12C3 12C7 14C4
SIM_DETECT	SIM_DETECT - @m68_aps_lib.M68_APS	12C7 14C4
SIM_VCC	SIM_VCC - @m68_aps_lib.M68_APS	12C3 12C7 12C7 12C7 14C4
SMPOWER_SPKR+	SMPOWER_SPKR+ - @m68_aps_lib.M68_APS	11B4 14C5 15C7
SMPOWER_SPKR-	SMPOWER_SPKR- - @m68_aps_lib.M68_APS	11B4 14C5 15C7
SPI_CLK_CONN	SPI_CLK_CONN - @m68_aps_lib.M68_APS	13B3 13D6
SPI_CS_CONN*	SPI_CS_CONN* - @m68_aps_lib.M68_APS	13B3 13D6
SPI_DI_CONN	SPI_DI_CONN - @m68_aps_lib.M68_APS	13B3 13D6
SPI_DO_CONN	SPI_DO_CONN - @m68_aps_lib.M68_APS	13B3 13D6
SP_AMP_IN_N	SP_AMP_IN_N - @m68_aps_lib.M68_APS	7C8 14C5
SP_AMP_IN_P	SP_AMP_IN_P - @m68_aps_lib.M68_APS	7D8 14C5
TIMER	TIMER - @m68_aps_lib.M68_APS	8B4 15B2
TOUCH_POWER	TOUCH_POWER - @m68_aps_lib.M68_APS	13B2 13B3 13D2
TP_CLK	TP_CLK - @m68_aps_lib.M68_APS	5C7 13C3
TP_CS*	TP_CS* - @m68_aps_lib.M68_APS	5C7 13C3
TP_MISO	TP_MISO - @m68_aps_lib.M68_APS	5C7 13C1
TP_MOSI	TP_MOSI - @m68_aps_lib.M68_APS	5C7 13C3
T_CAP	T_CAP - @m68_aps_lib.M68_APS	2B6
UART4_RXD	UART4_RXD - @m68_aps_lib.M68_APS	2B3 15C4
UART4_TXD	UART4_TXD - @m68_aps_lib.M68_APS	2B3 15C4
USB_1A	USB_1A - @m68_aps_lib.M68_APS	5C7 8A5
USB_500/100*	USB_500/100* - @m68_aps_lib.M68_APS	2B3 8B4
USB_DM	USB_DM - @m68_aps_lib.M68_APS	2B3 11C5 12B6
USB_DM_CONN	USB_DM_CONN - @m68_aps_lib.M68_APS	11C2 11C3 15C4
USB_DP	USB_DP - @m68_aps_lib.M68_APS	2B3 11D5 12A6
USB_DP_CONN	USB_DP_CONN - @m68_aps_lib.M68_APS	11C2 11D3 15C4
USB_PWR	USB_PWR - @m68_aps_lib.M68_APS	2B3 8B5 8C6 9B7 15C2
USB_PWR_NO_PROTECT	USB_PWR_NO_PROTECT - @m68_aps_lib.M68_APS	8C8 11C2 11D5 15C2
USB_REXT	USB_REXT - @m68_aps_lib.M68_APS	2B4
USB_SUSPEND	USB_SUSPEND - @m68_aps_lib.M68_APS	2B3 8B4
USB_VBUS	USB_VBUS - @m68_aps_lib.M68_APS	2B4
USIF_CTS_N	USIF_CTS_N - @m68_aps_lib.M68_APS	2C3 14C4
USIF_RTS_N	USIF_RTS_N - @m68_aps_lib.M68_APS	2C3 14C4
USIF_RXD_MRST	USIF_RXD_MRST - @m68_aps_lib.M68_APS	2C3 14C4
USIF_TXD_MTSR	USIF_TXD_MTSR - @m68_aps_lib.M68_APS	2C3 14C4
VBUSDIG	VBUSDIG - @m68_aps_lib.M68_APS	2B4
VCC_MAIN	VCC_MAIN - @m68_aps_lib.M68_APS	8A8 8C1 9B1 9B4 9B7 9B8 9C3 9C4 9C4 9C6 9C6 9D5 9D5 9D6 15C2
VDD_ACCEL	VDD_ACCEL - @m68_aps_lib.M68_APS	12D5
VDD_CAM_ANALOG	VDD_CAM_ANALOG - @m68_aps_lib.M68_APS	9C1 13A3 15B3
VDD_CAM_ANALOG_CONN	VDD_CAM_ANALOG_CONN - @m68_aps_lib.M68_APS	13A4
VDD_CAM_AP	VDD_CAM_AP - @m68_aps_lib.M68_APS	6D3 13A3
VDD_CORE_1V0	VDD_CORE_1V0 - @m68_aps_lib.M68_APS	4C3
VDD_EDRAM_3V0	VDD_EDRAM_3V0 - @m68_aps_lib.M68_APS	4D3
VDD_IO_3V	VDD_IO_3V - @m68_aps_lib.M68_APS	2D2 2D7 4C1 4D5 5C7 7D7 8B6 8C4 9B3 9C5 9C6 9D8 10D5 11D4 11D8 12A4 12B6 12D6 15B2
VDD_IO_A	VDD_IO_A - @m68_aps_lib.M68_APS	2C2 2C3 2D4 2D7
VDD_IO_A3	VDD_IO_A3 - @m68_aps_lib.M68_APS	2A5 2A8 2C8 4A7 7C2
VDD_IO_D	VDD_IO_D - @m68_aps_lib.M68_APS	2A3 2A3 2A3 2A3 2C7 2C8 2D4
VDD_IO_E	VDD_IO_E - @m68_aps_lib.M68_APS	5C6
VDD_IO_PLL	VDD_IO_PLL - @m68_aps_lib.M68_APS	2D5
VDD_LCD	VDD_LCD - @m68_aps_lib.M68_APS	9B3 13D5 13D6 14C8 15B3
VDD_LOGIC	VDD_LOGIC - @m68_aps_lib.M68_APS	2A3 2D4
VDD_LOGIC_1V0	VDD_LOGIC_1V0 - @m68_aps_lib.M68_APS	4C1
VDD_NOR_AP	VDD_NOR_AP - @m68_aps_lib.M68_APS	3D4
VDD_SDRAM_DDR	VDD_SDRAM_DDR - @m68_aps_lib.M68_APS	3D5
VDD_TOUCH	VDD_TOUCH - @m68_aps_lib.M68_APS	9C1 13D1 15B3
VDD_USB_ANLG_3V	VDD_USB_ANLG_3V - @m68_aps_lib.M68_APS	2D5
VDD_USB_LOGIC	VDD_USB_LOGIC - @m68_aps_lib.M68_APS	2D6

VDD_VDRAM_1V0	VDD_VDRAM_1V0 - @m68_aps_lib.M68_APS	4D2
VDD_VIDEO_3V	VDD_VIDEO_3V - @m68_aps_lib.M68_APS	6D8 9B3 15B2
VDD_VIDEO_AP	VDD_VIDEO_AP - @m68_aps_lib.M68_APS	6D5
VDD_VIDEO_DAC	VDD_VIDEO_DAC - @m68_aps_lib.M68_APS	6D5
VDD_VRAM_1V0	VDD_VRAM_1V0 - @m68_aps_lib.M68_APS	4B3
VIBRATOR+	VIBRATOR+ - @m68_aps_lib.M68_APS	14A4 14C5 15C5
VIDEO_AMP_EN	VIDEO_AMP_EN - @m68_aps_lib.M68_APS	4D8 6C6
VIDEO_GND	VIDEO_GND - @m68_aps_lib.M68_APS	6A3 6A7 7A4
VID_C	VID_C - @m68_aps_lib.M68_APS	6C8 11A5
VID_COMP	VID_COMP - @m68_aps_lib.M68_APS	6C8 11B5
VID_Y	VID_Y - @m68_aps_lib.M68_APS	6C8 11B5
VISA	VISA - @m68_aps_lib.M68_APS	9B5 9D8
VISC	VISC - @m68_aps_lib.M68_APS	9B5
VNTC	VNTC - @m68_aps_lib.M68_APS	8B2
VOL_DWN*	VOL_DWN* - @m68_aps_lib.M68_APS	2A7 2C6 14A4
VOL_UP*	VOL_UP* - @m68_aps_lib.M68_APS	2A7 2C6 14A4
VR1_BYP	VR1_BYP - @m68_aps_lib.M68_APS	9C1
WALL	WALL - @m68_aps_lib.M68_APS	8B3
WLAN_RESET	WLAN_RESET - @m68_aps_lib.M68_APS	2C6 14C5
WLAN_SDIO_CLK	WLAN_SDIO_CLK - @m68_aps_lib.M68_APS	2B7 14D4
WLAN_SDIO_CMD	WLAN_SDIO_CMD - @m68_aps_lib.M68_APS	2B7 14C4
WLAN_SDIO_DATA<0>	WLAN_SDIO_DATA<0> - @m68_aps_lib.M68_APS	2B7 14D4
WLAN_SDIO_DATA<1>	WLAN_SDIO_DATA<1> - @m68_aps_lib.M68_APS	2B7 14D4
WLAN_SDIO_DATA<2>	WLAN_SDIO_DATA<2> - @m68_aps_lib.M68_APS	2B7 14D4
WLAN_SDIO_DATA<3>	WLAN_SDIO_DATA<3> - @m68_aps_lib.M68_APS	2B7 14D4
WM_AVDD	WM_AVDD - @m68_aps_lib.M68_APS	7D6
WM_DBVDD	WM_DBVDD - @m68_aps_lib.M68_APS	7D6
WM_DCVDD	WM_DCVDD - @m68_aps_lib.M68_APS	7D6
WM_VMID	WM_VMID - @m68_aps_lib.M68_APS	7C5
WOLFSON_MICBIAS	WOLFSON_MICBIAS - @m68_aps_lib.M68_APS	7C4
XM_MA0	XM_MA0 - @m68_aps_lib.M68_APS	3C4
XM_MA1	XM_MA1 - @m68_aps_lib.M68_APS	3C4
XM_MA2	XM_MA2 - @m68_aps_lib.M68_APS	3C4
XM_MA3	XM_MA3 - @m68_aps_lib.M68_APS	3C4
XM_MA4	XM_MA4 - @m68_aps_lib.M68_APS	3C4
XM_MA5	XM_MA5 - @m68_aps_lib.M68_APS	3C4
XM_MA6	XM_MA6 - @m68_aps_lib.M68_APS	3C4
XM_MA7	XM_MA7 - @m68_aps_lib.M68_APS	3C4
XM_MA8	XM_MA8 - @m68_aps_lib.M68_APS	3C4
XM_MA9	XM_MA9 - @m68_aps_lib.M68_APS	3C4
XM_MA10	XM_MA10 - @m68_aps_lib.M68_APS	3C4
XM_MA11	XM_MA11 - @m68_aps_lib.M68_APS	3C4
XM_MA12	XM_MA12 - @m68_aps_lib.M68_APS	3C4
XM_MA13	XM_MA13 - @m68_aps_lib.M68_APS	3C4
XM_MA14	XM_MA14 - @m68_aps_lib.M68_APS	3C4
XM_MA15	XM_MA15 - @m68_aps_lib.M68_APS	3C4
XM_MA16	XM_MA16 - @m68_aps_lib.M68_APS	3C4
XM_MA17	XM_MA17 - @m68_aps_lib.M68_APS	3C4
XM_MA18	XM_MA18 - @m68_aps_lib.M68_APS	3C4
XM_MD<0>	XM_MD<0> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<15..0>	XM_MD<15..0> - @m68_aps_lib.M68_APS	3B3
XM_MD<1>	XM_MD<1> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<2>	XM_MD<2> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<3>	XM_MD<3> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<4>	XM_MD<4> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<5>	XM_MD<5> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<6>	XM_MD<6> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<7>	XM_MD<7> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<8>	XM_MD<8> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<9>	XM_MD<9> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<10>	XM_MD<10> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<11>	XM_MD<11> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<12>	XM_MD<12> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<13>	XM_MD<13> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<14>	XM_MD<14> - @m68_aps_lib.M68_APS	3B5 3C3
XM_MD<15>	XM_MD<15> - @m68_aps_lib.M68_APS	3B5 3C3
XM_OE*	XM_OE* - @m68_aps_lib.M68_APS	3B5
XM_WE*	XM_WE* - @m68_aps_lib.M68_APS	3B5
XTAL_24M_I	XTAL_24M_I - @m68_aps_lib.M68_APS	2B6
XTAL_24M_O	XTAL_24M_O - @m68_aps_lib.M68_APS	2B6
XTAL_27M_I	XTAL_27M_I - @m68_aps_lib.M68_APS	6B4
XTAL_27M_O	XTAL_27M_O - @m68_aps_lib.M68_APS	6B4
YIN	YIN - @m68_aps_lib.M68_APS	6C6
YOUT	YOUT - @m68_aps_lib.M68_APS	6C7

Title: Cref Part Report
Design: m68_aps
Date: Nov 10 11:08:47 2006

C1	CAP_402	m68_aps[5C4]
C2	CAP_201	m68_aps[5C4]
C3	CAP_201	m68_aps[5C3]
C4	CAP_201	m68_aps[5C2]
C5	CAP_402	m68_aps[9B6]
C6	CAP_201	m68_aps[9D4]
C7	CAP_201	m68_aps[2A6]
C8	CAP_201	m68_aps[9D4]
C9	CAP_201	m68_aps[9D4]
C10	CAP_201	m68_aps[5C3]
C11	CAP_402	m68_aps[4A5]
C12	CAP_201	m68_aps[7A5]
C13	CAP_201	m68_aps[2A6]
C14	CAP_201	m68_aps[6A4]
C15	CAP_201	m68_aps[6A4]
C16	CAP_201	m68_aps[7A5]
C17	CAP_402	m68_aps[12B3]
C43	CAP_201	m68_aps[12D5]
C45	CAP_402	m68_aps[9B4]
C46	CAP_402	m68_aps[9B4]
C47	CAP_402	m68_aps[9B3]
C49	CAP_402	m68_aps[9B3]
C57	CAP_P_CASE-S-SM	m68_aps[10C7]
C58	CAP_201	m68_aps[7C3]
C61	CAP_201	m68_aps[8D3]
C62	CAP_201	m68_aps[9A6]
C63	CAP_P_CASE-B3-LF	m68_aps[8C1]
C65	CAP_201	m68_aps[9D3]
C66	CAP_201	m68_aps[9C3]
C67	CAP_805	m68_aps[9A2]
C68	CAP_201	m68_aps[7C3]
C73	CAP_P_402	m68_aps[7B5]
C75	CAP_201	m68_aps[2D4]
C78	CAP_201	m68_aps[2B8]
C79	CAP_201	m68_aps[2B8]
C80	CAP_603	m68_aps[8D3]
C82	CAP_201	m68_aps[9A5]
C83	CAP_201	m68_aps[9A5]
C84	CAP_P_402	m68_aps[7A6]
C85	CAP_603	m68_aps[9D3]
C86	CAP_P_402	m68_aps[7A6]
C87	CAP_201	m68_aps[2A7]
C88	CAP_201	m68_aps[2B7]
C89	CAP_201	m68_aps[7C6]
C90	CAP_201	m68_aps[2A7]
C91	CAP_201	m68_aps[7D6]
C92	CAP_201	m68_aps[2B7]
C94	CAP_201	m68_aps[9A6]
C95	CAP_201	m68_aps[9A6]
C96	CAP_201	m68_aps[2D6]
C97	CAP_201	m68_aps[2D5]
C99	CAP_402	m68_aps[2D5]
C100	CAP_P_402	m68_aps[7A7]
C101	CAP_P_402	m68_aps[7B7]
C107	CAP_402	m68_aps[2D4]
C108	CAP_201	m68_aps[2D4]
C109	CAP_201	m68_aps[2D4]
C110	CAP_201	m68_aps[2D3]
C111	CAP_201	m68_aps[2D3]
C117	CAP_201	m68_aps[2D3]
C118	CAP_201	m68_aps[2D3]
C120	CAP_201	m68_aps[3D4]
C121	CAP_201	m68_aps[3D3]
C123	CAP_201	m68_aps[4D5]
C124	CAP_201	m68_aps[5C6]
C125	CAP_201	m68_aps[5C5]
C127	CAP_201	m68_aps[4C2]
C133	CAP_201	m68_aps[4C3]
C134	CAP_201	m68_aps[4D2]
C138	CAP_201	m68_aps[4C2]
C142	CAP_201	m68_aps[4C2]
C143	CAP_201	m68_aps[4D2]
C144	CAP_201	m68_aps[4C2]
C145	CAP_402	m68_aps[4C2]
C146	CAP_201	m68_aps[4D2]
C147	CAP_201	m68_aps[4C2]
C148	CAP_P_CASE-S-SM	m68_aps[10C7]
C149	CAP_201	m68_aps[4B2]
C151	CAP_201	m68_aps[4B2]
C152	CAP_201	m68_aps[6B7]
C153	CAP_603	m68_aps[8D7]
C154	CAP_603	m68_aps[8D7]
C156	CAP_402	m68_aps[8D6]
C159	RES_201	m68_aps[6C6]
C160	CAP_603	m68_aps[9D4]
C163	CAP_201	m68_aps[9A4]
C164	CAP_402	m68_aps[9B3]
C165	CAP_603	m68_aps[6D5]
C166	CAP_201	m68_aps[10D5]
C168	CAP_603	m68_aps[9C3]
C170	CAP_P_402	m68_aps[7C7]
C171	CAP_P_402	m68_aps[7C8]
C172	CAP_P_402	m68_aps[7B5]
C173	CAP_P_402	m68_aps[7B2]
C174	CAP_P_402	m68_aps[7B2]
C175	CAP_201	m68_aps[9D7]
C176	CAP_201	m68_aps[9D7]
C177	CAP_201	m68_aps[9D5]
C183	CAP_201	m68_aps[4A6]
C184	CAP_201	m68_aps[4A5]
C188	CAP_201	m68_aps[11D5]
C189	CAP_603	m68_aps[11D5]
C209	CAP_201	m68_aps[6D5]
C211	CAP_402	m68_aps[9C2]
C212	CAP_201	m68_aps[9C1]
C213	CAP_402	m68_aps[9C1]
C214	CAP_402	m68_aps[9C1]
C215	CAP_201	m68_aps[6D6]
C216	CAP_201	m68_aps[6C3]
C217	CAP_402	m68_aps[9B3]
C218	CAP_201	m68_aps[12B5]
C219	CAP_201	m68_aps[2A2]
C220	CAP_201	m68_aps[2A1]
C221	CAP_402	m68_aps[12D6]
C228	CAP_201	m68_aps[7C7]
C229	CAP_201	m68_aps[7C7]
C237	CAP_201	m68_aps[7C7]
C238	CAP_201	m68_aps[7C7]
C257	CAP_201	m68_aps[13D4]
C263	CAP_201	m68_aps[13D2]
C266	CAP_402	m68_aps[13A3]
C267	CAP_201	m68_aps[2D8]
C269	CAP_201	m68_aps[7D7]
C270	CAP_201	m68_aps[8A7]
C271	CAP_402	m68_aps[8A7]
C272	CAP_0201	m68_aps[8A6]
C273	CAP_603	m68_aps[8A5]
C274	CAP_201	m68_aps[6C5]
C275	CAP_201	m68_aps[6B5]
C276	CAP_201	m68_aps[3D5]
C277	CAP_201	m68_aps[4B1]
C278	CAP_201	m68_aps[4B1]
C279	CAP_201	m68_aps[4B1]
C280	CAP_201	m68_aps[4C2]
C281	CAP_201	m68_aps[4B2]
C282	CAP_201	m68_aps[4B2]
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C286	CAP_201	m68_aps[4B2]
C287	CAP_201	m68_aps[2D6]
C288	CAP_201	m68_aps[2D4]
C289	CAP_201	m68_aps[2D4]
C290	CAP_201	m68_aps[7C7]
C303	CAP_201	m68_aps[2D3]
C304	CAP_201	m68_aps[3D4]
C305	CAP_201	m68_aps[3D4]
C306	CAP_201	m68_aps[3D3]
C307	CAP_201	m68_aps[4C3]
C308	CAP_201	m68_aps[4C3]
C309	CAP_201	m68_aps[4C2]
C310	CAP_201	m68_aps[4C1]
C311	CAP_201	m68_aps[4C1]
C312	CAP_201	m68_aps[4C1]
C315	CAP_201	m68_aps[13A2]
C316	CAP_201	m68_aps[13B1]
C317	CAP_201	m68_aps[13B1]
C318	CAP_201	m68_aps[14A6]
C321	CAP_603	m68_aps[8D3]
C322	CAP_201	m68_aps[7B3]
C324	CAP_201	m68_aps[8C5]
C325	CAP_603	m68_aps[13D7]
C326	CAP_603	m68_aps[13D7]
C327	CAP_201	m68_aps[13D7]
C328	CAP_201	m68_aps[6B5]
C399	CAP_402	m68_aps[8A4]
C400	CAP_201	m68_aps[8A2]
C416	CAP_402	m68_aps[8C6]
C925	CAP_201	m68_aps[7D6]
D1	DIODE_SCHOT_SM	m68_aps[8D4]
D2	DIODE_SCHOT_SOD-323	m68_aps[8B6]
D3	DIODE_SCHOT_2P_SOD-9 23	m68_aps[8D3]
DZ2	SUPPR_NUP412VP5_SOT9 53	m68_aps[11C5]
DZ10	SUPPR_TRANSIENT1_201	m68_aps[10B4]
DZ16	SUPPR_TRANSIENT1_201	m68_aps[10B4]
DZ17	SUPPR_TRANSIENT1_201	m68_aps[10B4]
DZ18	SUPPR_NUP412VP5_SOT9 53	m68_aps[12C4]
FL8	FILTER_2P_0201	m68_aps[11B4]
FL13	FILTER_2P_0201	m68_aps[11B4]
FL14	FILTER_2P_0201	m68_aps[11A4]
FL15	FILTER_2P_0201	m68_aps[11A4]
FL16	FILTER_2P_0201	m68_aps[11B7]
FL17	FILTER_2P_0201	m68_aps[11A7]
FL18	FILTER_2P_0402	m68_aps[11C7]
FL19	FILTER_2P_0201	m68_aps[11D6]
FL20	FILTER_2P_0201	m68_aps[11D7]
FL21	FILTER_2P_0201	m68_aps[11A7]
FL22	FILTER_2P_0201	m68_aps[11A7]
FL23	FILTER_2P_0201	m68_aps[2D6]
FL24	FILTER_2P_0201	m68_aps[2D6]
FL25	FILTER_2P_0201	m68_aps[4D1]
FL26	FILTER_2P_0402	m68_aps[4C1]
FL27	FILTER_2P_0201	m68_aps[6D7]
FL28	FILTER_2P_0201	m68_aps[12D6]
FL31	FILTER_2P_0201	m68_aps[2A5]
FL32	FILTER_2P_0201	m68_aps[10C6]
FL33	FILTER_2P_0201	m68_aps[5D4]
FL35	FILTER_2P_0201	m68_aps[13D4]
FL36	FILTER_2P_0201	m68_aps[3D3]
J1	CON_F18ST_SDCARD_SM_ F-ST-SM	m68_aps[12C6]
J6	CON_M64ST_D_SM_M-ST-SM	m68_aps[14D5]
J9	CON_F45RT_D_SM_F-RT-SM	m68_aps[11D2]
J12	CON_M20ST_D4MT_SM_M-ST-SM	m68_aps[13D5]
J22	CON_M14ST_D4MT_SM_M-ST-SM	m68_aps[13B2]
J27	CON_M16ST_D4MT_SM_M-ST-SM	m68_aps[13D2]
J29	CON_M12ST_D4MT_SM_M-ST-SM	m68_aps[14B5]
J30	CON_F24ST_D4MT_SM_F-ST-SM	m68_aps[13A5]
L4	IND_VLF	m68_aps[9B2]
L9	FILTER_10P_0603	m68_aps[13C7]
L11	FILTER_10P_0603	m68_aps[13B4]
L12	FILTER_10P_0603	m68_aps[13C2]
L15	IND_B82470-A5103-SM	m68_aps[8D4]
L21	FILTER_10P_0603	m68_aps[13C7]
L29	IND_0402	m68_aps[10C5]
L30	IND_0402	m68_aps[10C5]
L33	FILTER_10P_0603	m68_aps[13B7]
L34	FILTER_4P_TCM1005	m68_aps[11C4]
L35	IND_4P_2COIL_WCDRH23 D09-SM	m68_aps[9C4]
L38	FILTER_2P_0402	m68_aps[4C1]
L39	IND_VLF3010AT-SM	m68_aps[8B6]
L43	IND_0402	m68_aps[10B5]
Q1	TRA_NCH_SCHOT_6P_WDF N	m68_aps[9B3 9A3]
Q5	TRA_DUAL_CMLDM7003_S OT563	m68_aps[2A7 2C8]
Q6	TRA_SI8409DB_BGA	m68_aps[8C2]
Q7	TRA_DUAL_NPCH_NTZD31 55C_SOT-563	m68_aps[9C1 9D1]
Q8	TRA_DUAL_CMLDM7003_S OT563	m68_aps[14C7 14C8]
Q9	TRA_DUAL_CMLDM7003_S	m68_aps[8A2 8B4]
	OT563	
Q11	TRA_DUAL_CMLDM7003_S OT563	m68_aps[13C3 13C4]
Q13	TRA_DUAL_CMLDM7003_S OT563	m68_aps[5B8]
Q13	TRA_DUAL_CMLDM7003_S OT563	m68_aps[7C2]
Q14	TRA_MOSFET_NCHN_3P_C ST3	m68_aps[2A6]
Q15	TRA_NCH_SSM6K202FE_S OT665	m68_aps[8B7]
Q17	TRA_MOSFET_NCHN_3P_C ST3	m68_aps[8A4]
R1	RES_201	m68_aps[3C8]
R16	RES_201	m68_aps[6C3]
R17	RES_201	m68_aps[6C2]
R30	RES_201	m68_aps[6A4]
R36	RES_201	m68_aps[12A5]
R37	RES_201	m68_aps[12A4]
R41	RES_201	m68_aps[8B1]
R44	RES_201	m68_aps[2B6]
R59	RES_201	m68_aps[10B6]
R62	RES_201	m68_aps[10B6]
R67	RES_201	m68_aps[13D3]
R68	RES_201	m68_aps[13C3]
R69	RES_201	m68_aps[2B8]
R70	RES_201	m68_aps[2C8]
R71	RES_201	m68_aps[5C7]
R73	RES_201	m68_aps[2C8]
R75	RES_201	m68_aps[4D7]
R78	RES_201	m68_aps[2B7]
R81	RES_201	m68_aps[2B7]
R82	RES_201	m68_aps[2D7]
R83	RES_201	m68_aps[9A4]
R87	RES_201	m68_aps[8C5]
R88	RES_201	m68_aps[8C5]
R89	RES_201	m68_aps[9A2]
R91	RES_201	m68_aps[2D7]
R92	RES_201	m68_aps[2C6]
R94	RES_201	m68_aps[9D1]
R95	RES_201	m68_aps[2D6]
R96	RES_201	m68_aps[2A4]
R98	RES_201	m68_aps[9A6]
R100	RES_201	m68_aps[9D2]
R101	RES_201	m68_aps[2B4]
R102	RES_201	m68_aps[2C2]
R103	RES_201	m68_aps[2D2]
R104	RES_201	m68_aps[2D2]
R105	RES_201	m68_aps[3C7]
R108	RES_201	m68_aps[9C6]
R109	RES_201	m68_aps[3B7]
R110	RES_201	m68_aps[3B3]
R111	RES_201	m68_aps[4D7]
R112	RES_201	m68_aps[6C7]
R113	RES_201	m68_aps[6C7]
R114	RES_201	m68_aps[6C7]
R115	RES_201	m68_aps[6B6]
R117	RES_201	m68_aps[6B6]
R118	RES_201	m68_aps[5B2]
R129	RES_201	m68_aps[6B5]
R130	RES_201	m68_aps[9C6]
R131	RES_201	m68_aps[9A6]
R133	RES_201	m68_aps[10D5]
R134	RES_201	m68_aps[10D5]
R137	RES_201	m68_aps[6B5]
R138	RES_201	m68_aps[2A7]
R141	RES_201	m68_aps[2C2]
R150	RES_201	m68_aps[11C7]
R151	RES_201	m68_aps[7C3]
R152	RES_201	m68_aps[7C2]
R153	RES_201	m68_aps[10C5]
R154	RES_201	m68_aps[10C5]
R161	RES_201	m68_aps[2A6]
R162	RES_201	m68_aps[2A6]
R163	RES_201	m68_aps[2A4]
R164	RES_201	m68_aps[2A3]
R165	RES_201	m68_aps[9C6]
R166	RES_201	m68_aps[4C6]
R170	RES_201	m68_aps[7B2]
R172	RES_201	m68_aps[11C7]
R173	RES_201	m68_aps[11B7]
R174	RES_201	m68_aps[11D4]
R175	RES_201	m68_aps[11D3]
R178	RES_201	m68_aps[8B5]
R182	RES_201	m68_aps[12C7]
R183	RES_201	m68_aps[8B6]
R184	RES_201	m68_aps[12B6]
R185	RES_201	m68_aps[8A4]
R187	RES_201	m68_aps[8C4]
R188	RES_201	m68_aps[8A4]
R189	RES_201	m68_aps[8A3]
R190	RES_201	m68_aps[9A4]
R191	RES_201	m68_aps[8C3]
R192	RES_201	m68_aps[7B6]
R193	RES_201	m68_aps[7A6]
R194	RES_201	m68_aps[7A7]
R195	RES_201	m68_aps[7A7]
R196	RES_201	m68_aps[7A5]
R197	RES_201	m68_aps[7A5]
R198	RES_201	m68_aps[2D8]
R201	RES_201	m68_aps[8A3]
R204	RES_201	m68_aps[9A3]
R205	RES_201	m68_aps[14C8]
R207	RES_201	m68_aps[8A3]
R209	RES_201	m68_aps[8A5]
R210	RES_201	m68_aps[8A5]
R211	RES_201	m68_aps[3B4]
R213	RES_201	m68_aps[8C2]
R214	RES_201	m68_aps[8B2]
R215	RES_201	m68_aps[8B2]
R216	RES_201	m68_aps[8A1]
R217	RES_201	m68_aps[6C5]
R219	RES_201	m68_aps[2B3]
R220	RES_201	m68_aps[2C3]
R221	RES_201	m68_aps[2C3]
R222	RES_201	m68_aps[3B7]
R225	RES_201	m68_aps[3B7]
R226	RES_201	m68_aps[8A6]
R227	RES_201	m68_aps[9B8]
R228	RES_201	m68_aps[9B7]
R229	RES_201	m68_aps[11D8]
R230	RES_201	m68_aps[2A6]
R231	RES_201	m68_aps[4D8]
R233	RES_201	m68_aps[5B3]
R234	RES_201	m68_aps[6C2]
R235	RES_201	m68_aps[5B2]
R236	RES_201	m68_aps[9C2]
R237	RES_201	m68_aps[11D6]
R239	RES_201	m68_aps[13C4]
R240	RES_201	m68_aps[13C4]
R241	RES_201	m68_aps[14C8]
R242	RES_201	m68_aps[4C5]
R243	RES_201	m68_aps[4D7]
R244	RES_201	m68_aps[9D7]
R245	RES_201	m68_aps[9D7]
R246	RES_201	m68_aps[9C7]
R247	RES_201	m68_aps[9B3]
R248	RES_201	m68_aps[9B3]
R249	RES_201	m68_aps[9C5]
R256	RES_201	m68_aps[9C2]
R258	RES_201	m68_aps[14B6]
R260	RES_201	m68_aps[6C6]
R261	RES_201	m68_aps[6C6]
R262	RES_201	m68_aps[4A6]
R263	RES_201	m68_aps[4A6]
R264	RES_201	m68_aps[4A6]
R265	RES_201	m68_aps[4A6]
R266	RES_201	m68_aps[13A1]
R267	RES_201	m68_aps[13A1]
R268	RES_201	m68_aps[5B7]
R269	RES_201	m68_aps[14A6]
R270	RES_201	m68_aps[11D7]
R272	RES_201	m68_aps[2A2]
R273	RES_201	m68_aps[13C6]
R274	RES_201	m68_aps[13B6]
R275	RES_201	m68_aps[13B6]
R276	RES_201	m68_aps[2B7]
R277	RES_201	m68_aps[3D4]
R281	SUPPR_TRANSIENT1_201	m68_aps[11C7]
R282	SUPPR_TRANSIENT1_201	m68_aps[11B3]
R283	SUPPR_TRANSIENT1_201	m68_aps[11B3]
R284	SUPPR_TRANSIENT1_201	m68_aps[11B3]
R285	RES_201	m68_aps[8A4]
R286	SUPPR_TRANSIENT1_201	m68_aps[10C3]
RP1	RPAK4P_4X0201	m68_aps[2C7]
RP2	RPAK4P_4X0201	m68_aps[2C7]
SL1	SLOT_TH	m68_aps[14D2]
SL2	SLOT_TH	m68_aps[14D2]
SL4	SLOT_TH	m68_aps[14D2]
SL5	SLOT_TH	m68_aps[14D2]
U1	LM2512_UFBGA	m68_aps[5C3]
U7	WM8758_QFN	m68_aps[7C6]
U8	LIS302DL_LGA	m68_aps[12D5]
U9	SWREG_LT3493_DFN	m68_aps[8D5]
U10	74LVC2G66_BGA	m68_aps[12A4 12B5]
U11	PCF50635_HVQFN	m68_aps[9C5]
U13	FEPR_SST39LF800A_XFL GA	m68_aps[3C4]
U20	S5L8900X01_MOBILE_BG A	m68_aps[2D5]
U20	S5L8900X01_MOBILE_BG A	m68_aps[3C6]
U20	S5L8900X01_MOBILE_BG A	m68_aps[4D4 4D7]
U20	S5L8900X01_MOBILE_BG A	m68_aps[5C6]
U20	S5L8900X01_MOBILE_BG A	m68_aps[6C4]
U22	MAX4845_DFN6	m68_aps[8B8]
U23	THS7318_BGA	m68_aps[6C6]
U26	74LVC2G08_SOT833	m68_aps[3B7 3B7]
U29	FLASH_4G28_48P4_TSOP	m68_aps[4B7]
U33	74LVC2G08_SOT833	m68_aps[2A3 2A3]
U36	74LVC2G32GT_SOT833	m68_aps[13B5 13C5]
U38	74LVC2G32GT_SOT833	m68_aps[11D7]
U38	74LVC2G32GT_SOT833	m68_aps[13B5]
U41	TPS61045_QFN	m68_aps[8A7]
U43	LTC4066_QFN	m68_aps[8B3]
U44	SN74AUP1T97_WCSP	m68_aps[9C8]
U45	74LVC2G32GT_SOT833	m68_aps[13C5 13B5]
U46	SN74LVC1G99_BGA	m68_aps[9C8]
U47	SN74LVC1G99_BGA	m68_aps[9D8]
U48	SN74AUP1T97_WCSP	m68_aps[11D7]
U49	74LVC1G86_SOT891	m68_aps[9B8]
U50	SUPPR_NUP412VP5_SOT9 53	m68_aps[11A3]
VR1	VREG_LP3986_BGA	m68_aps[9C2]
XW5	SHORT_SHORT-0201-NSM	m68_aps[5C2]
XW12	SHORT_SHORT-0201-NSM	m68_aps[9B1]
XW13	SHORT_SHORT-0201-NSM	m68_aps[9D6]
XW14	SHORT_SM	m68_aps[9A6]
XW26	SHORT8L25_WITH_ALTS_ SM	m68_aps[7B4]
XW28	SHORT_SM	m68_aps[10B5]
XW29	SHORT_SM	m68_aps[10C5]
XW35	SHORT_SHORT-0201-NSM	m68_aps[4B6]
XW36	SHORT_SHORT-0201-NSM	m68_aps[7D7]
XW37	SHORT_SHORT-0201-NSM	m68_aps[7D7]
XW38	SHORT_SHORT-0201-NSM	m68_aps[7D6]
XW39	SHORT_SM	m68_aps[8C4]
XW40	SHORT_SM	m68_aps[10B5]
XW41	SHORT_SHORT-0201-NSM	m68_aps[13D1]
XW44	SHORT_SM	m68_aps[9C4]
XW45	SHORT_SM	m68_aps[9C4]
XW46	SHORT_SHORT-0201-NSM	m68_aps[2D6]
XW47	SHORT_SHORT-0201-NSM	m68_aps[2D2]
XW69	SHORT_SHORT-0201-NSM	m68_aps[2C2]
XW70	SHORT_SHORT-0201-NSM	m68_aps[2C2]
XW71	SHORT_SHORT-0201-NSM	m68_aps[2C2]
XW72	SHORT_SHORT-0201-NSM	m68_aps[2C3]
XW77	SHORT_SHORT-0201-NSM	m68_aps[2D2]
XW82	SHORT_SHORT-0201-NSM	m68_aps[3D3]
XW83	SHORT_SHORT-0201-NSM	m68_aps[5C7]
XW84	SHORT_SHORT-0201-NSM	m68_aps[4B1]
XW85	SHORT_SHORT-0201-NSM	m68_aps[4C1]
XW87	SHORT_SHORT-0201-NSM	m68_aps[6D7]
XW89	SHORT_SHORT-0201-NSM	m68_aps[6D3]
XW90	SHORT_SHORT-0201-NSM	m68_aps[9C2]
XW91	SHORT_SHORT-0201-NSM	m68_aps[13A3]
XW92	SHORT_SHORT-0201-NSM	m68_aps[13A4]
XW93	SHORT_SHORT-0201-NSM	m68_aps[2A1]
XW98	SHORT_SM	m68_aps[7B4]
XW99	SHORT_SM	m68_aps[7A4]
XW101	SHORT_SM	m68_aps[6A6]
XW103	SHORT_SM	m68_aps[8D2]
Y1	CRYSTAL_3.2X1.5X.6-SM	m68_aps[9A5]
Y2	CRYSTAL_4PIN_SM-2	m68_aps[2B6]
Y3	CRYSTAL_4PIN_SM-2	m68_aps[6A4]

1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%.
2. ALL CAPACITANCE VALUES ARE IN MICROFARADS.
3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ.

REV	ZONE	ECN	DESCRIPTION OF CHANGE	CK APPD / DATE	ENG APPD / DATE
27		472272	ENGINEERING RELEASED	11/07/06	?

IPOD M68 RADIO
DVT - 11/06/06

BOARD - 820-2021
SCHEMATIC - 051-7111
BOM - 630-7588

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-7111	1	M68_RADIO_SCHEMATIC	SCH	Y	
820-2021	1	M68_RADIO_PCB	PCB	Y	
825-2029	1	EEE	EEE:VKT	Y	

DIMENSIONS ARE IN MILLIMETERS
XX ± _____
X.XX ± _____
X.XXX ± _____
ANGLES ± _____
DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

METRIC

DRAFTER	/	DESIGN CK	/
ENG APPD	/	MFG APPD	/
QA APPD	/	DESIGNER	/
RELEASE	/	SCALE	NONE

MATERIAL/FINISH NOTED AS APPLICABLE

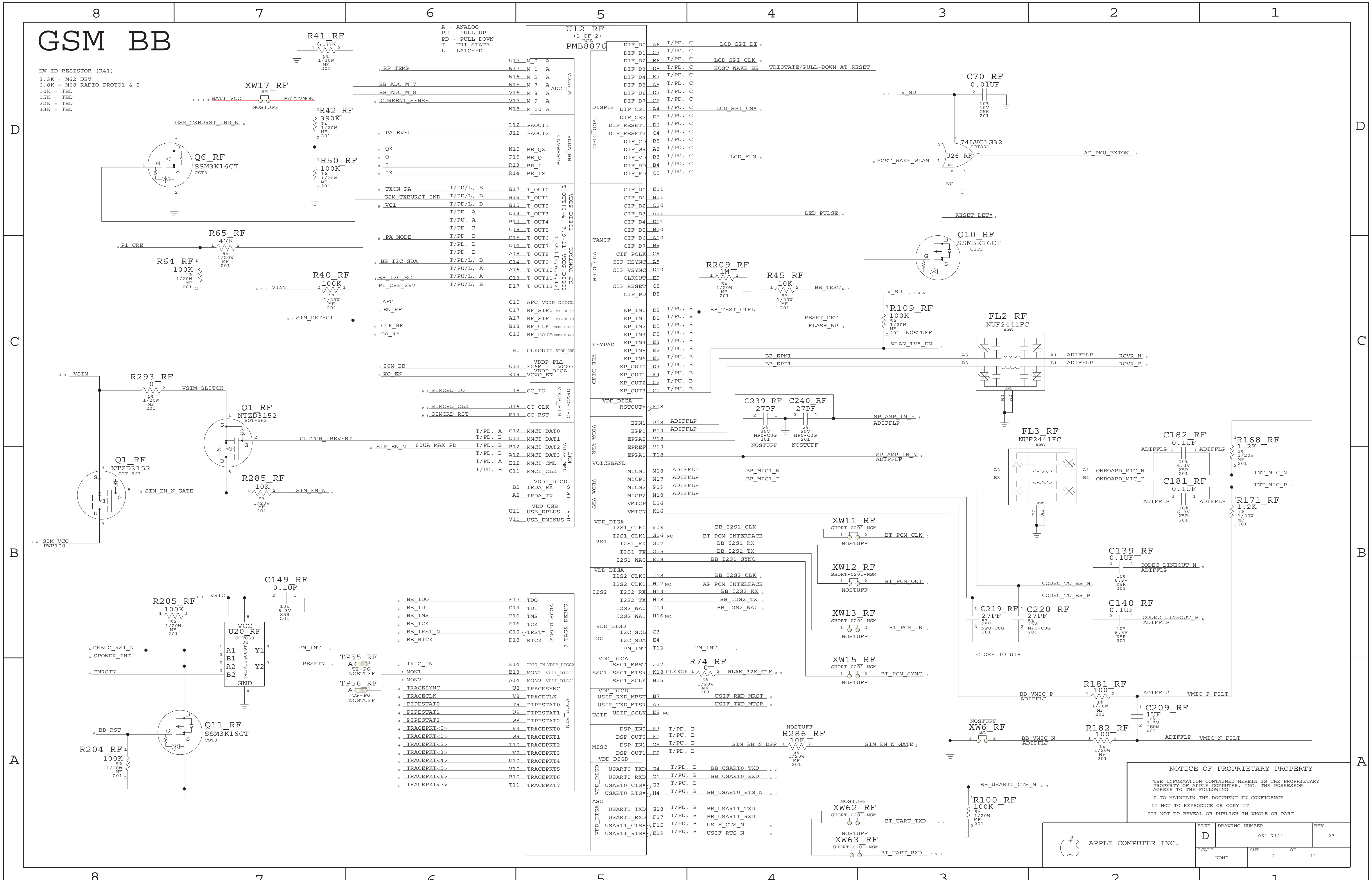
SIZE D

Apple Computer Inc.

TITLE
M68

DRAWING NUMBER 051-7111 REV. 27

SHT 1 OF 11



GSM BB
HW ID RESISTOR (R41)
3.3K = M62 DEV
6.8K = M68 RADIO PROTO1 & 2
10K = TBD
15K = TBD
22K = TBD
33K = TBD
A - ANALOG
PU - PULL UP
PD - PULL DOWN
T - TRI-STATE
L - LATCHED
R41_RF 6.8K 5% 1/20W MF 201
XW17_RF SM NOSTUFF
BATT_VCC
BATTVMON
R42_RF 390K 1% 1/20W MF 201
R50_RF 100K 1% 1/20W MF 201
GSM_TXBURST_IND_N
Q6_RF SSM3K16CT CST3
R65_RF 47K 5% 1/20W MF 201
P1_CRE
R64_RF 100K 1% 1/20W MF 201
R40_RF 100K 1% 1/20W MF 201
VINT
SIM_DETECT
VSIM
R293_RF 0 5% 1/20W MF 201
VSIM_GLITCH
Q1_RF NTZD3152 SOT-563
GLITCH_PREVENT
SIM_EN_N 60UA MAX PD
SIM_EN_N_GATE
R285_RF 10K 5% 1/20W MF 201
SIM_VCC PWR100
C149_RF 0.1UF 10% 6.3V X5R 201
VRTC
R205_RF 100K 5% 1/20W MF 201
U20_RF SOT833 08 74LVC2G08GT VCC GND
DEBUG_RST_N
SPOWER_INT
PMRSTN
PM_INT
RESETN
Q11_RF SSM3K16CT CST3
BB_RST
R204_RF 100K 5% 1/20W MF 201
TP55_RF TP-P6 NOSTUFF
TP56_RF TP-P6 NOSTUFF
RF_TEMP
BB_ADC_M_7
BB_ADC_M_8
CURRENT_SENSE
PALEVEL
QX
Q
I
IX
TXON_PA
GSM_TXBURST_IND
VC1
PA_MODE
BB_I2C_SDA
BB_I2C_SCL
P1_CRE_2V7
AFC
EN_RF
CLK_RF
DA_RF
26M_BB
XO_EN
SIMCRD_IO
SIMCRD_CLK
SIMCRD_RST
BB_TDO
BB_TDI
BB_TMS
BB_TCK
BB_TRST_N
BB_RTCK
TRIG_IN
MON1
MON2
TRACESYNC
TRACECLK
PIPESTAT0
PIPESTAT1
PIPESTAT2
TRACEPKT<0>
TRACEPKT<1>
TRACEPKT<2>
TRACEPKT<3>
TRACEPKT<4>
TRACEPKT<5>
TRACEPKT<6>
TRACEPKT<7>
U12_RF (1 OF 2) BGA PMB8876
ADC VDDA_M
BASEBAND VDDA_BB
RF CONTROL VDDP_DIGC1 VDDP_DIGC2
CHIPCARD VDDP_SIM
MMC VDDP_MMC
IRDA VDDP_DIGD
USB VDD_USB
J TAG& DEBUG VDDP_DIGC2
VDDP_ETM
DISPIF VDD_DIGD
CAMIF VDD_DIGB
KEYPAD VDD_DIGD
VOICEBAND VDDA_VBR VDDA_VBT
I2S1 VDD_DIGA
I2S2 VDD_DIGA
I2C VDD_DIGD
SSC1 VDD_DIGA
USIF VDD_DIGD
MISC VDD_DIGD
ASC VDD_DIGD VDD_DIGA
LCD_SPI_DI
LCD_SPI_CLK
HOST_WAKE_BB TRISTATE/PULL-DOWN AT RESET
LCD_SPI_CS*
LCD_FLM
LED_PULSE
V_SD
C70_RF 0.01UF 10% 10V X5R 201
74LVC1G32 SOT891 U26_RF
HOST_WAKE_WLAN
AP_PMU_EXTON
RESET_DET*
Q10_RF SSM3K16CT CST3
R209_RF 1M 5% 1/20W MF 201
R45_RF 10K 5% 1/20W MF 201
BB_TEST
BB_TEST_CTRL
RESET_DET
FLASH_WP
R109_RF 100K 5% 1/20W MF 201 NOSTUFF
WLAN_1V8_EN
BB_EPN1
BB_EPP1
FL2_RF NUF2441FC BGA
ADIFFLP
RCVR_N
RCVR_P
C239_RF 27PF 5% 25V NP0-C0G 201 NOSTUFF
C240_RF 27PF 5% 25V NP0-C0G 201 NOSTUFF
SP_AMP_IN_P
SP_AMP_IN_N
BB_MIC1_N
BB_MIC1_P
FL3_RF NUF2441FC BGA
ONBOARD_MIC_N
ONBOARD_MIC_P
C182_RF 0.1UF 10% 6.3V X5R 201
C181_RF 0.1UF 10% 6.3V X5R 201
R168_RF 1.2K 1% 1/20W MF 201
R171_RF 1.2K 1% 1/20W MF 201
INT_MIC_N
INT_MIC_P
BB_I2S1_CLK
BT PCM INTERFACE
BB_I2S1_RX
BB_I2S1_TX
BB_I2S1_SYNC
XW11_RF SHORT-0201-NSM NOSTUFF
BT_PCM_CLK
XW12_RF SHORT-0201-NSM NOSTUFF
BT_PCM_OUT
XW13_RF SHORT-0201-NSM NOSTUFF
BT_PCM_IN
XW15_RF SHORT-0201-NSM NOSTUFF
BT_PCM_SYNC
BB_I2S2_CLK
AP PCM INTERFACE
BB_I2S2_RX
BB_I2S2_TX
BB_I2S2_WA0
C139_RF 0.1UF 10% 6.3V X5R 201
CODEC_LINEOUT_N
CODEC_TO_BB_N
CODEC_TO_BB_P
C140_RF 0.1UF 10% 6.3V X5R 201
CODEC_LINEOUT_P
C219_RF 27PF 5% 25V NP0-C0G 201
C220_RF 27PF 5% 25V NP0-C0G 201
CLOSE TO U18
R74_RF 0 5% 1/20W MF 201
CLK32K
WLAN_32K_CLK
USIF_RXD_MRST
USIF_TXD_MTSR
BB_VMIC_P
R181_RF 100 1% 1/20W MF 201
VMIC_P_FILT
C209_RF 1UF 10% 6.3V CERM 402
XW6_RF SM NOSTUFF
BB_VMIC_N
R182_RF 100 1% 1/20W MF 201
VMIC_N_FILT
R286_RF 10K 5% 1/20W MF 201 NOSTUFF
SIM_EN_N_DSP
BB_USART0_TXD
BB_USART0_RXD
BB_USART0_CTS_N
BB_USART0_RTS_N
R100_RF 100K 5% 1/20W MF 201
BB_USART1_TXD
BB_USART1_RXD
USIF_CTS_N
USIF_RTS_N
XW62_RF SHORT-0201-NSM NOSTUFF
BT_UART_TXD
XW63_RF SHORT-0201-NSM NOSTUFF
BT_UART_RXD
NOTICE OF PROPRIETARY PROPERTY
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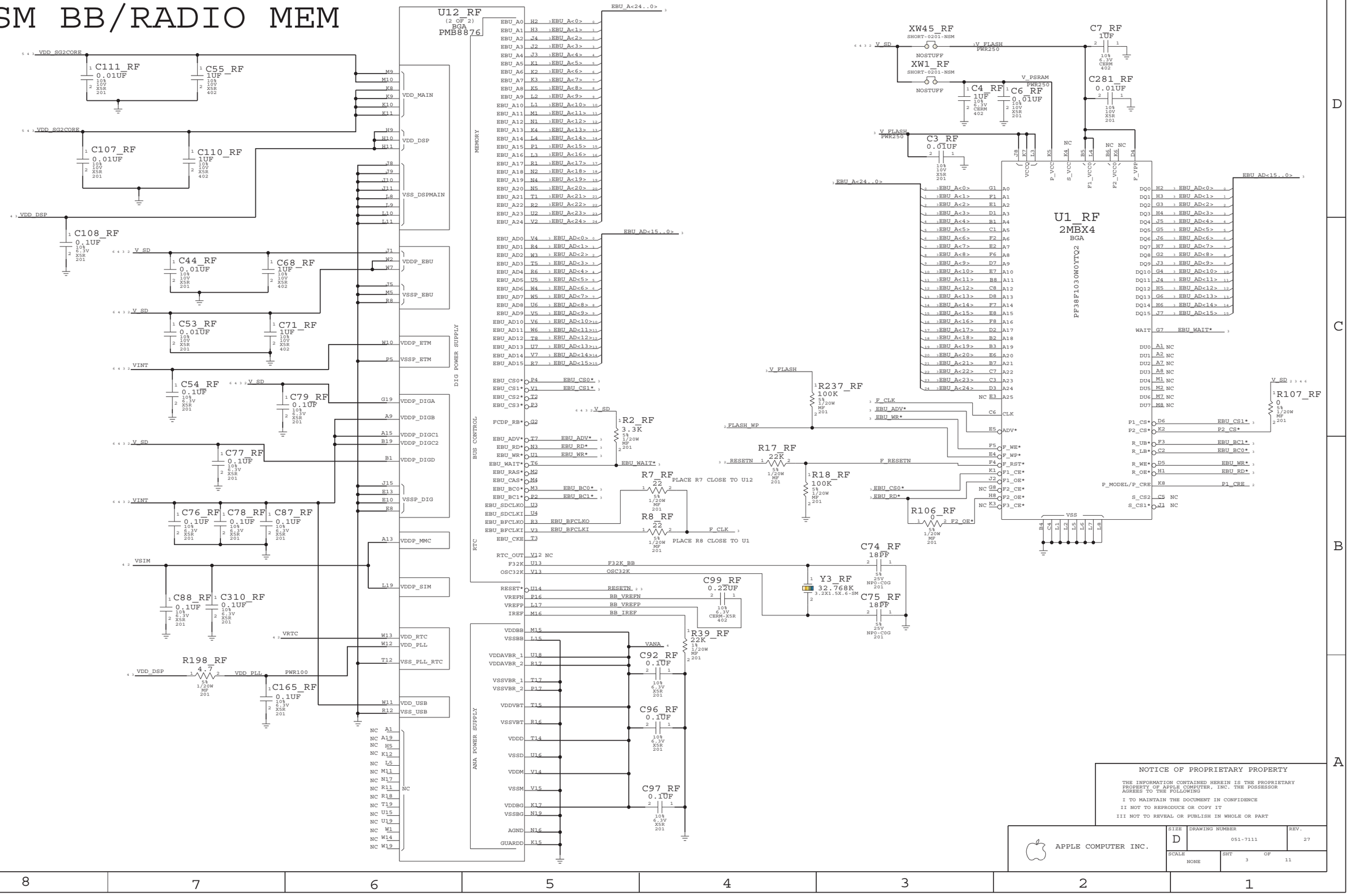
APPLE COMPUTER INC.
SIZE D
DRAWING NUMBER 051-7111
REV. 27
SCALE NONE
SHT 2 OF 11

GSM BB/RADIO MEM

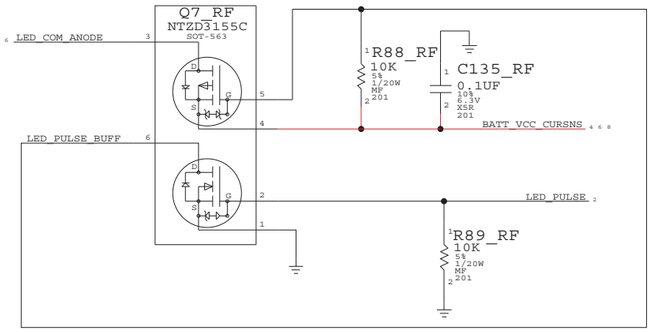


APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 3 OF 11	

PMU

LED PULSE DRIVER



APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 4 OF 11	

GSM RF - SMARTIPM-SIP + SKYWORKS

R240_RF 0201 — RF_TEMP — 10KOHM
R52_RF 22K 1% 1/20W MF 201
R305_RF 22 5% 1/20W MF 201 NOSTUFF — VDD_VCXO — VDD_26MXO PWR100
C324_RF 0.1UF 10% 6.3V XSR 201 NOSTUFF
R304_RF 10K 1% 1/20W MF 201 NOSTUFF — AFC — VTUNE
C286_RF 0.1UF 10% 6.3V XSR 201 NOSTUFF
Y6_RF SM-2 26.000MHZ-8PF — 26MXO_OUT — VDD_26MXO
R66_RF 0 5% 1/20W MF 201
R26_RF 0 5% 1/20W MF 201
C265_RF 47PF 5% 25V NPO-C0G 201 — 26M_BB
C84_RF 1000PF 10% 16V X7R 201 — 26M_BT
RADIO_INOUT_50OHM 50_OHM
J2_RF MM4829-2700 F-ST-SM
HSC RF CONNECTOR

VDD_RFCORE PWR100
C134_RF 0.1UF 10% 6.3V XSR 201
C85_RF 0.1UF 10% 6.3V XSR 201
C270_RF 0.047UF 10% 6.3V XSR 201
C271_RF 0.047UF 10% 6.3V XSR 201
VDD_SG2CORE
L26_RF 100NH SM — VDD_SIP_DIG2V8 PWR100
VDD_RF2V8
C133_RF 0.1UF 10% 6.3V XSR 201
C267_RF 27PF 5% 25V NPO-C0G 201
C266_RF 4700PF 10% 10V X7R 201
C272_RF 0.1UF 10% 6.3V XSR 201
VDDMIX2V8 PWR100
R48_RF 0 5% 1/20W MF 201
R48 IS 10 OHMS FOR REV B SIP
R48 IS 0 OHMS FOR REV D SIP
C138_RF 0.1UF 10% 6.3V XSR 201
VDD_VCXO
C142_RF 0.1UF 10% 6.3V XSR 201

U23_RF PMB6920 LGA
SMARTIPM-SIP

I — K2 A
IX — L2 AX
Q — K3 B
QX — L3 BX
EN_RF — H7 EN
DA_RF — J5 DA
CLK_RF — K5 CLK
BB_XTAL_XO — L6 XO
BB_XTAL_XOX — K6 XOX
26M_BB_FSYS1 — K7 FSYS1
26M_BT_FSYS2 — J6 FSYS2
NC — H5 FSYS3
A2 ANT
A4 TX1N
A6 TX2IN
H1 TX1OUT
J1 TX2OUT
GND

BATT_VCC PWR2500 — NOSTUFF XW14_RF SM
PA_VCC PWR2500
C5_RF 33UF 20% 10V TANT-POLY CASE-A3
C159_RF 1000PF 10% 16V X7R 201
LO_BAND_PA_OUT_50OHM 50_OHM
HI_BAND_PA_OUT_50OHM 50_OHM

U8_RF SKY77340I3 MCM — VBATT
HI_BAND_PA_IN_50OHM 50_OHM — DCS/PCS_IN
LO_BAND_PA_IN_50OHM 50_OHM — GSM_IN
PA_MODE — MODE
VC1 — BS
VBIAS
VRAMP
TXON_PA — EN
DCS/PCS_OUT — PCS_OUT 50_OHM
RSVD2 — NC
GSM_OUT — GSM_OUT 50_OHM
GND

R222_RF 1.3K 1% 1/20W MF 201 — PALEVEL — VRAMP
C264_RF 680PF 10% 25V CERM 201
R226_RF 0 5% 1/20W MF 201
C269_RF 1.0PF +/-0.25PF 25V NPO-C0G 201 NOSTUFF
L23_RF 9.1NH 0201
C268_RF 2.0PF +/-0.1PF 25V NPO-C0G 201

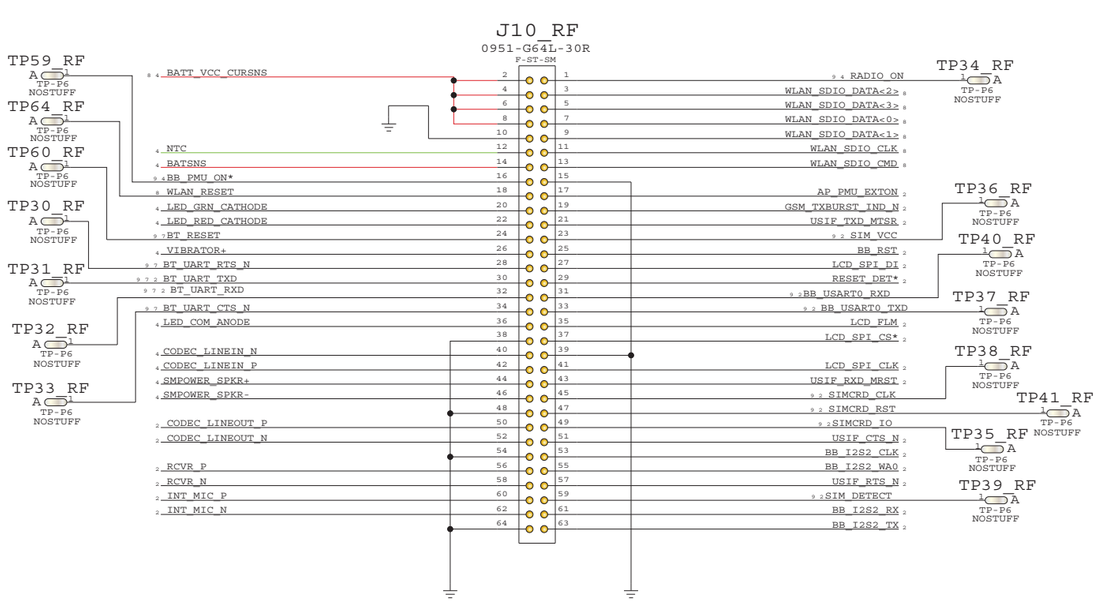
APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7111	27

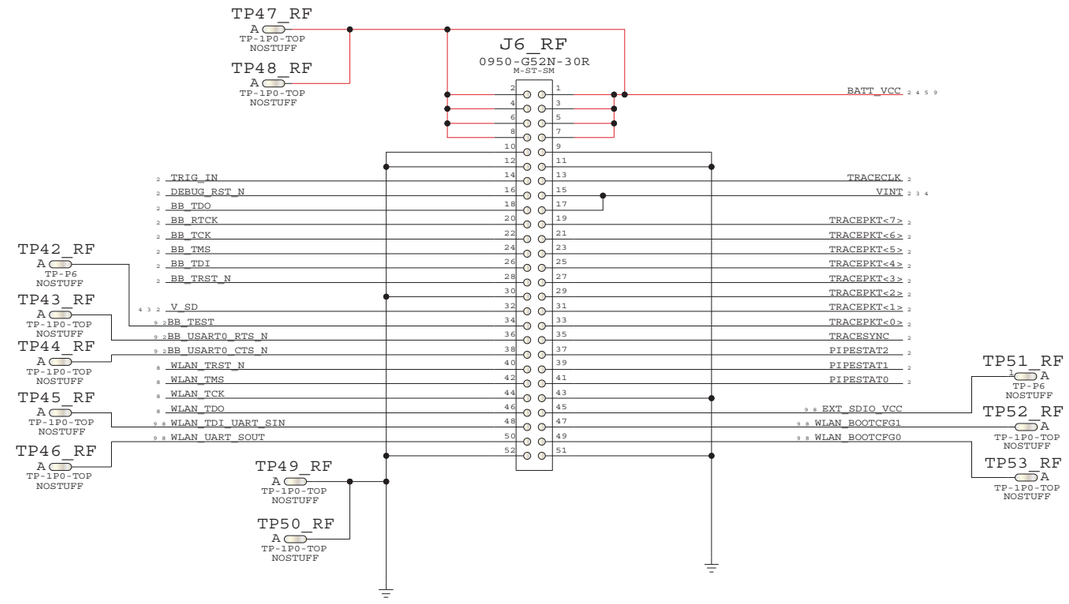
SCALE	SHT	OF
NONE	5	11

SYSTEM CONNECTORS

AP CONNECTOR
516S0505



DEBUG CONNECTOR
998-1410



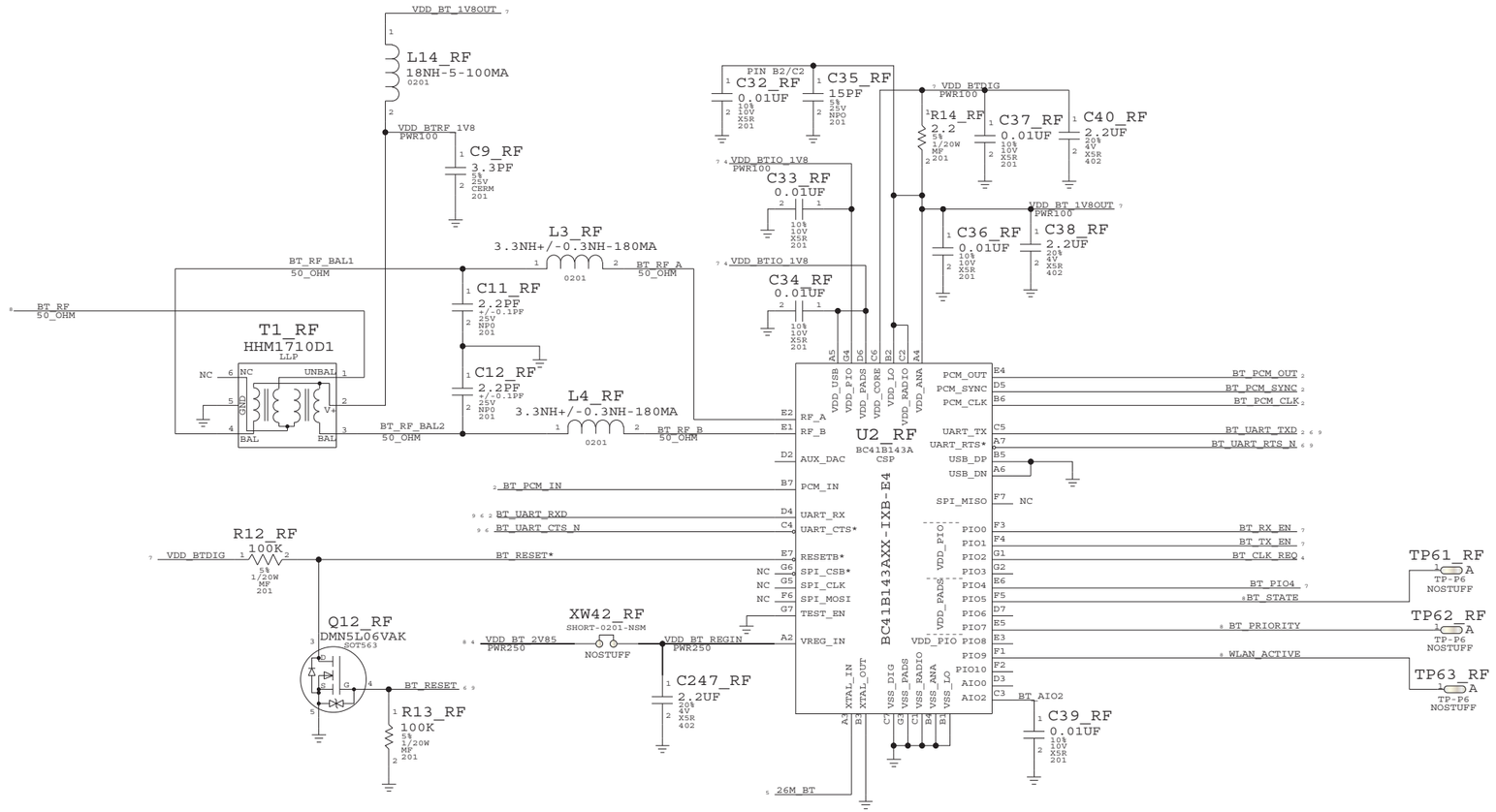
SHIELD CAN

SHIELD CAN ALIGNMENT SLOTS

APPLE COMPUTER INC.

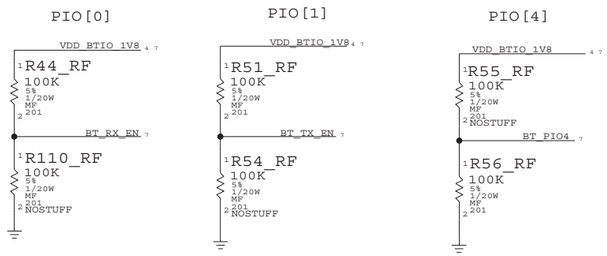
SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 6 OF 11	

BLUETOOTH RADIO



HOST TRANSPORT CONFIGURATION RESISTORS

	H4DS	H4
PIO[0]	1	1
PIO[1]	0	1
PIO[4]	1	0



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SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 7 OF 11	

WLAN RADIO

WLAN/BT_RF_CONNECTOR

J4_RF
MM4829-2700
F-ST-SM

FL5_RF
2.45GHZ
2.5X2MM-SM

U28_RF
88W8686-B13CBB1-B115
FLIP_CHIP

U18_RF
SKY13268-344LF
SOT666

U30_RF
DG2717DX-E3
SOT666

U9_RF
XC6401EE58DR
USP-6B

U3_RF
RF5222
QFN

U29_RF
UPG2150T5L-E2-A
T9QFN

U32_RF
74LVC1G32
SOT891

U35_RF
74LVC1G32
SOT891

U34_RF
74LVC1G00GF
SOT891

Q15_RF
SSM3K16CT
CST3

Q13_RF
SSM3J16CT
CST3

Q12_RF
DMN5L06VAK
SOT563

Y7_RF
SM-2
40MHZ

XW18_RF
SHORT-0201-NSM

XW5_RF
SHORT-0201-NSM

FL4_RF
2P45GHZ
LDC182G-SM

L16_RF
2.45GHZ-100-OHM
0603

MURATA LDB182G4510C-110

L15_RF
4.7NH+/-0.5NH-440MA
03015

L5_RF
10NH-330MA
03015

L8_RF
2.7NH+/-0.3NH-200MA
0201

L10_RF
1.5NH
0201

L11_RF
1.5NH
0201

R112_RF 100K
R113_RF 0
R102_RF 1K
R22_RF 10
R57_RF 0
R76_RF 6.04K
R108_RF 1K
R91_RF 470K
R19_RF 100K
R20_RF 100K
R79_RF 100K
R80_RF 100K
R81_RF 100K
R86_RF 0
R95_RF 100K
R87_RF 100K
R103_RF 0
R75_RF 100K
R101_RF 100K
R111_RF 100K
R9_RF 51

C154_RF 0.01UF
C51_RF 10PF
C119_RF 47PF
C52_RF 10PF
C300_RF 47PF
C137_RF 0.01UF
C43_RF 47PF
C148_RF 10PF
C132_RF 1.8PF
C151_RF 0.01UF
C21_RF 47PF
C116_RF 47PF
C122_RF 47PF
C150_RF 33UF
C20_RF 47PF
C63_RF 10PF
C131_RF 0.01UF
C41_RF 1UF
C61_RF 1UF
C42_RF 1UF
C49_RF 0.1UF
C62_RF 5.6PF
C106_RF 0.1UF
C102_RF 1UF
C103_RF 10UF
C109_RF 0.1UF
C114_RF 1000PF
C113_RF 0.1UF
C115_RF 0.1UF
C91_RF 1UF
C95_RF 1000PF
C100_RF 10PF
C93_RF 1UF
C94_RF 1000PF
C98_RF 10PF
C152_RF 10PF
C153_RF 10PF
C18_RF 1UF
C136_RF 1.0PF

TP57_RF TP-P6 NOSTUFF
TP54_RF TP-P6 NOSTUFF
TP58_RF TP-P6 NOSTUFF

RESET CONFIG RES FOR 40MHZ

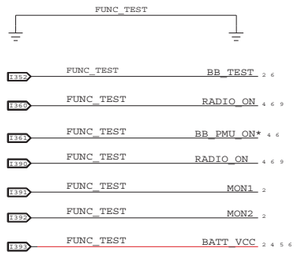
8686 I/O VOLTAGES:
VIO_X (PIN A1): HOST I/F, GPIO, RESETN, CLK_OUT, TMS2
VIO_X (PIN P1): EEPROM, JTAG
VDD30: TR SW, ANT SW, PA_PE
VDD18_X3: INTERNAL 1.2V LDO, BT COEX

APPLE COMPUTER INC.

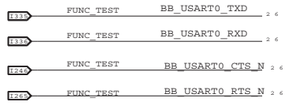
SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 8 OF 11	

FUNCTIONAL TEST POINTS

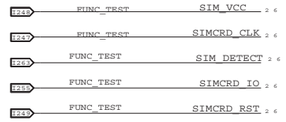
BB CONTROL



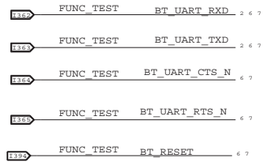
BB USART TEST POINTS



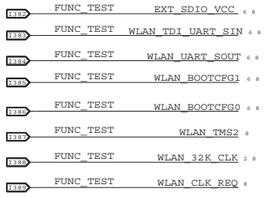
SIM CARD TEST POINTS



BLUETOOTH



WLAN



APPLE COMPUTER INC.

SIZE	DRAWING NUMBER	REV.
D	051-7111	27
SCALE: NONE	SHT 9 OF 11	

Title: Basenet Report
Design: m68
Date: Nov 6 14:16:29 2006

Base nets and synonyms for m68_lib.M68(@m68_lib.m68(sch_1))

Base Signal	Synonyms	Location([Zone][dir])
26MXO_OUT	26MXO_OUT - @m68_lib.M68	5C6
26M_BB	26M_BB - @m68_lib.M68	2C6 5B6
26M_BB_FSYS1	26M_BB_FSYS1 - @m68_lib.M68	5B4
26M_BT	26M_BT - @m68_lib.M68	5B6 7B5
26M_BT_FSYS2	26M_BT_FSYS2 - @m68_lib.M68	5B4
AFC	AFC - @m68_lib.M68	2C6 5C7
AP_PMU_EXTON	AP_PMU_EXTON - @m68_lib.M68	2D2 6C5
BATSNS	BATSNS - @m68_lib.M68	4C7 6C8
BATTVMON	BATTVMON - @m68_lib.M68	2D7
BATT_VCC	BATT_VCC - @m68_lib.M68	2D7 4D8 5B5 6C1 9C6
BATT_VCC_CURSNS	BATT_VCC_CURSNS - @m68_lib.M68	4D1 4D7 6C8 8C3 8D7 8D8
BB_ADC_M_7	BB_ADC_M_7 - @m68_lib.M68	2D6
BB_ADC_M_8	BB_ADC_M_8 - @m68_lib.M68	2D6
BB_EPN1	BB_EPN1 - @m68_lib.M68	2C4
BB_EPP1	BB_EPP1 - @m68_lib.M68	2C4
BB_I2C_SCL	BB_I2C_SCL - @m68_lib.M68	2C6 4B6
BB_I2C_SDA	BB_I2C_SDA - @m68_lib.M68	2C6 4B6
BB_I2S1_CLK	BB_I2S1_CLK - @m68_lib.M68	2B4
BB_I2S1_RX	BB_I2S1_RX - @m68_lib.M68	2B4
BB_I2S1_SYNC	BB_I2S1_SYNC - @m68_lib.M68	2B4
BB_I2S1_TX	BB_I2S1_TX - @m68_lib.M68	2B4
BB_I2S2_CLK	BB_I2S2_CLK - @m68_lib.M68	2B4 6B5
BB_I2S2_RX	BB_I2S2_RX - @m68_lib.M68	2B4 6B5
BB_I2S2_TX	BB_I2S2_TX - @m68_lib.M68	2B4 6B5
BB_I2S2_WA0	BB_I2S2_WA0 - @m68_lib.M68	2B4 6B5
BB_IREF	BB_IREF - @m68_lib.M68	3B5
BB_MIC1_N	BB_MIC1_N - @m68_lib.M68	2B4
BB_MIC1_P	BB_MIC1_P - @m68_lib.M68	2B4
BB_PMU_AUIN	BB_PMU_AUIN - @m68_lib.M68	4A5
BB_PMU_AUIP	BB_PMU_AUIP - @m68_lib.M68	4A5
BB_PMU_BYP	BB_PMU_BYP - @m68_lib.M68	4B4
BB_PMU_IREF	BB_PMU_IREF - @m68_lib.M68	4B4
BB_PMU_ON*	BB_PMU_ON* - @m68_lib.M68	4C4 6C8 9D5
BB_PMU_VDDPW	BB_PMU_VDDPW - @m68_lib.M68	4C4
BB_RST	BB_RST - @m68_lib.M68	2A8 6C5
BB_RTCK	BB_RTCK - @m68_lib.M68	2A6 6C4
BB_TCK	BB_TCK - @m68_lib.M68	2B6 6C4
BB_TDI	BB_TDI - @m68_lib.M68	2B6 6C4
BB_TDO	BB_TDO - @m68_lib.M68	2B6 6C4
BB_TEST	BB_TEST - @m68_lib.M68	2C4 6C4 9D6
BB_TEST_CTRL	BB_TEST_CTRL - @m68_lib.M68	2C4
BB_TMS	BB_TMS - @m68_lib.M68	2B6 6C4
BB_TRST_N	BB_TRST_N - @m68_lib.M68	2B6 6C4
BB_USART0_CTS_N	BB_USART0_CTS_N - @m68_lib.M68	2A2 6C4 9D4
BB_USART0_RTS_N	BB_USART0_RTS_N - @m68_lib.M68	2A4 6C4 9C4
BB_USART0_RXD	BB_USART0_RXD - @m68_lib.M68	2A4 6C5 9D4
BB_USART0_TXD	BB_USART0_TXD - @m68_lib.M68	2A4 6C5 9D4
BB_USART1_RXD	BB_USART1_RXD - @m68_lib.M68	2A4
BB_USART1_TXD	BB_USART1_TXD - @m68_lib.M68	2A4
BB_VMIC_N	BB_VMIC_N - @m68_lib.M68	2A3
BB_VMIC_P	BB_VMIC_P - @m68_lib.M68	2A3
BB_VREFN	BB_VREFN - @m68_lib.M68	3B5
BB_VREFP	BB_VREFP - @m68_lib.M68	3B5
BB_XTAL_XO	BB_XTAL_XO - @m68_lib.M68	5C4
BB_XTAL_XOX	BB_XTAL_XOX - @m68_lib.M68	5B4
BTWLAN_RX	BTWLAN_RX - @m68_lib.M68	8A3
BTWLAN_RX_SHARED	BTWLAN_RX_SHARED - @m68_lib.M68	8B3
BT_AIO2	BT_AIO2 - @m68_lib.M68	7B4
BT_CLK_REQ	BT_CLK_REQ - @m68_lib.M68	4A7 7B3
BT_PCM_CLK	BT_PCM_CLK - @m68_lib.M68	2B3 7C3
BT_PCM_IN	BT_PCM_IN - @m68_lib.M68	2B3 7C6
BT_PCM_OUT	BT_PCM_OUT - @m68_lib.M68	2B3 7C3
BT_PCM_SYNC	BT_PCM_SYNC - @m68_lib.M68	2A3 7C3
BT_PIO4	BT_PIO4 - @m68_lib.M68	7A4 7B3
BT_PRIORITY	BT_PRIORITY - @m68_lib.M68	7B3 8B8
BT_RESET	BT_RESET - @m68_lib.M68	6C8 7B6 9B5
BT_RESET*	BT_RESET* - @m68_lib.M68	7B6
BT_RF	BT_RF - @m68_lib.M68	7C7 8C2
BT_RF_A	BT_RF_A - @m68_lib.M68	7C5
BT_RF_B	BT_RF_B - @m68_lib.M68	7C5
BT_RF_BAL1	BT_RF_BAL1 - @m68_lib.M68	7C6
BT_RF_BAL2	BT_RF_BAL2 - @m68_lib.M68	7C6
BT_RF_SW	BT_RF_SW - @m68_lib.M68	8C2
BT_RX_CPL	BT_RX_CPL - @m68_lib.M68	8B1
BT_RX_CPL_SW	BT_RX_CPL_SW - @m68_lib.M68	8C1
BT_RX_EN	BT_RX_EN - @m68_lib.M68	7A5 7C3
BT_STATE	BT_STATE - @m68_lib.M68	7B3 8B8
BT_ST_B4	BT_ST_B4 - @m68_lib.M68	8B8
BT_TX	BT_TX - @m68_lib.M68	8C1
BT_TXRX_EN	BT_TXRX_EN - @m68_lib.M68	8A5 8B1 8D2
BT_TX_EN	BT_TX_EN - @m68_lib.M68	7A4 7B3
BT_TX_OUT	BT_TX_OUT - @m68_lib.M68	8B2
BT_UART_CTS_N	BT_UART_CTS_N - @m68_lib.M68	6C8 7C6 9B5
BT_UART_RTS_N	BT_UART_RTS_N - @m68_lib.M68	6C8 7C3 9B5
BT_UART_RXD	BT_UART_RXD - @m68_lib.M68	2A3 6C8 7C6 9B5
BT_UART_TXD	BT_UART_TXD - @m68_lib.M68	2A3 6C8 7C3 9B5
BT_WLAN_ANT	BT_WLAN_ANT - @m68_lib.M68	8D4
BT_WLAN_FLTOUT	BT_WLAN_FLTOUT - @m68_lib.M68	8D3
BT_WLAN_RF_INOUT	BT_WLAN_RF_INOUT - @m68_lib.M68	8C2
CLK32K	CLK32K - @m68_lib.M68	2A5
CLK_RF	CLK_RF - @m68_lib.M68	2C6 5C5
CODEC_LINEIN_N	CODEC_LINEIN_N - @m68_lib.M68	4A6 6C8
CODEC_LINEIN_P	CODEC_LINEIN_P - @m68_lib.M68	4A6 6C8
CODEC_LINEOUT_N	CODEC_LINEOUT_N - @m68_lib.M68	2B1 6B8
CODEC_LINEOUT_P	CODEC_LINEOUT_P - @m68_lib.M68	2B1 6B8
CODEC_TO_BB_N	CODEC_TO_BB_N - @m68_lib.M68	2B2
CODEC_TO_BB_P	CODEC_TO_BB_P - @m68_lib.M68	2B2
CPLTERM	CPLTERM - @m68_lib.M68	8A1
CURRENT_SENSE	CURRENT_SENSE - @m68_lib.M68	2D6 4D6
DA_RF	DA_RF - @m68_lib.M68	2C6 5C5
DEBUG_RST_N	DEBUG_RST_N - @m68_lib.M68	2A8 6C4
EBU_A<0>	EBU_A<0> - @m68_lib.M68	3D3 3D5
EBU_A<24..0>	EBU_A<24..0> - @m68_lib.M68	3D3 3D4
EBU_A<1>	EBU_A<1> - @m68_lib.M68	3C3 3D5
EBU_A<2>	EBU_A<2> - @m68_lib.M68	3C3 3D5
EBU_A<3>	EBU_A<3> - @m68_lib.M68	3C3 3D5
EBU_A<4>	EBU_A<4> - @m68_lib.M68	3C3 3D5
EBU_A<5>	EBU_A<5> - @m68_lib.M68	3C3 3D5
EBU_A<6>	EBU_A<6> - @m68_lib.M68	3C3 3D5
EBU_A<7>	EBU_A<7> - @m68_lib.M68	3C3 3D5
EBU_A<8>	EBU_A<8> - @m68_lib.M68	3C3 3D5
EBU_A<9>	EBU_A<9> - @m68_lib.M68	3C3 3D5
EBU_A<10>	EBU_A<10> - @m68_lib.M68	3C3 3D5
EBU_A<11>	EBU_A<11> - @m68_lib.M68	3C3 3D5
EBU_A<12>	EBU_A<12> - @m68_lib.M68	3C3 3D5
EBU_A<13>	EBU_A<13> - @m68_lib.M68	3C3 3D5
EBU_A<14>	EBU_A<14> - @m68_lib.M68	3C3 3D5
EBU_A<15>	EBU_A<15> - @m68_lib.M68	3C3 3D5
EBU_A<16>	EBU_A<16> - @m68_lib.M68	3C3 3D5
EBU_A<17>	EBU_A<17> - @m68_lib.M68	3C3 3D5
EBU_A<18>	EBU_A<18> - @m68_lib.M68	3C3 3D5
EBU_A<19>	EBU_A<19> - @m68_lib.M68	3C3 3D5
EBU_A<20>	EBU_A<20> - @m68_lib.M68	3C3 3D5
EBU_A<21>	EBU_A<21> - @m68_lib.M68	3C3 3C5
EBU_A<22>	EBU_A<22> - @m68_lib.M68	3C3 3C5
EBU_A<23>	EBU_A<23> - @m68_lib.M68	3C3 3C5
EBU_A<24>	EBU_A<24> - @m68_lib.M68	3C3 3C5
EBU_AD<0>	EBU_AD<0> - @m68_lib.M68	3C5 3D1
EBU_AD<15..0>	EBU_AD<15..0> - @m68_lib.M68	3C4 3D1
EBU_AD<1>	EBU_AD<1> - @m68_lib.M68	3C1 3C5
EBU_AD<2>	EBU_AD<2> - @m68_lib.M68	3C1 3C5
EBU_AD<3>	EBU_AD<3> - @m68_lib.M68	3C1 3C5
EBU_AD<4>	EBU_AD<4> - @m68_lib.M68	3C1 3C5
EBU_AD<5>	EBU_AD<5> - @m68_lib.M68	3C1 3C5
EBU_AD<6>	EBU_AD<6> - @m68_lib.M68	3C1 3C5
EBU_AD<7>	EBU_AD<7> - @m68_lib.M68	3C1 3C5
EBU_AD<8>	EBU_AD<8> - @m68_lib.M68	3C1 3C5
EBU_AD<9>	EBU_AD<9> - @m68_lib.M68	3C1 3C5
EBU_AD<10>	EBU_AD<10> - @m68_lib.M68	3C1 3C5
EBU_AD<11>	EBU_AD<11> - @m68_lib.M68	3C1 3C5
EBU_AD<12>	EBU_AD<12> - @m68_lib.M68	3C1 3C5
EBU_AD<13>	EBU_AD<13> - @m68_lib.M68	3C1 3C5
EBU_AD<14>	EBU_AD<14> - @m68_lib.M68	3C1 3C5
EBU_AD<15>	EBU_AD<15> - @m68_lib.M68	3C1 3C5
EBU_ADV*	EBU_ADV* - @m68_lib.M68	3B5 3C3
EBU_BC0*	EBU_BC0* - @m68_lib.M68	3B1 3B5
EBU_BC1*	EBU_BC1* - @m68_lib.M68	3B1 3B5
EBU_BFCLKI	EBU_BFCLKI - @m68_lib.M68	3B5
EBU_BFCLKO	EBU_BFCLKO - @m68_lib.M68	3B5
EBU_CS0*	EBU_CS0* - @m68_lib.M68	3B3 3C5
EBU_CS1*	EBU_CS1* - @m68_lib.M68	3B1 3C5
EBU_RD*	EBU_RD* - @m68_lib.M68	3B1 3B3 3B5
EBU_WAIT*	EBU_WAIT* - @m68_lib.M68	3B4 3C1
EBU_WR*	EBU_WR* - @m68_lib.M68	3B1 3B3 3B5
EN_RF	EN_RF - @m68_lib.M68	2C6 5C5
EXT_SDIO_VCC	EXT_SDIO_VCC - @m68_lib.M68	6B2 8D8 9B3
F2_OE*	F2_OE* - @m68_lib.M68	3B3
F32K_BB	F32K_BB - @m68_lib.M68	3B5
FLASH_WP	FLASH_WP - @m68_lib.M68	2C4 3B4
F_CLK	F_CLK - @m68_lib.M68	3B4 3C3
F_RESETN	F_RESETN - @m68_lib.M68	3B3
GLITCH_PREVENT	GLITCH_PREVENT - @m68_lib.M68	2B7
GSM_OUT	GSM_OUT - @m68_lib.M68	5A4
GSM_TXBURST_IND	GSM_TXBURST_IND - @m68_lib.M68	2D6
GSM_TXBURST_IND_N	GSM_TXBURST_IND_N - @m68_lib.M68	2D7 6C5
HI_BAND_PA_IN_50OHM	HI_BAND_PA_IN_50OHM - @m68_lib.M68	5A5
HI_BAND_PA_OUT_50OHM	HI_BAND_PA_OUT_50OHM - @m68_lib.M68	5B4
HOST_WAKE_BB	HOST_WAKE_BB - @m68_lib.M68	2D4
HOST_WAKE_WLAN	HOST_WAKE_WLAN - @m68_lib.M68	2D3 8A5
I	I - @m68_lib.M68	2D6 5C5
INT_MIC_N	INT_MIC_N - @m68_lib.M68	2B1 6B8
INT_MIC_P	INT_MIC_P - @m68_lib.M68	2B1 6B8
IX	IX - @m68_lib.M68	2D6 5C5
LCD_FLM	LCD_FLM - @m68_lib.M68	2D4 6C5
LCD_SPI_CLK	LCD_SPI_CLK - @m68_lib.M68	2D4 6C5
LCD_SPI_CS*	LCD_SPI_CS* - @m68_lib.M68	2D4 6C5
LCD_SPI_DI	LCD_SPI_DI - @m68_lib.M68	2D4 6C5
LED_COM_ANODE	LED_COM_ANODE - @m68_lib.M68	4D3 6C8
LED_GRN_CATHODE	LED_GRN_CATHODE - @m68_lib.M68	4A3 6C8
LED_PULSE	LED_PULSE - @m68_lib.M68	2D4 4D1
LED_PULSE_BUFF	LED_PULSE_BUFF - @m68_lib.M68	4D3
LED_RED_CATHODE	LED_RED_CATHODE - @m68_lib.M68	4A3 6C8
LO_BAND_PA_IN_50OHM	LO_BAND_PA_IN_50OHM - @m68_lib.M68	5A5
LO_BAND_PA_OUT_50OHM	LO_BAND_PA_OUT_50OHM - @m68_lib.M68	5B4
MAX_CS	MAX_CS - @m68_lib.M68	4D7
MON1	MON1 - @m68_lib.M68	2A6 9C6
MON2	MON2 - @m68_lib.M68	2A6 9C6
NTC	NTC - @m68_lib.M68	4D8 6C8
ONBOARD_MIC_N	ONBOARD_MIC_N - @m68_lib.M68	2B2
ONBOARD_MIC_P	ONBOARD_MIC_P - @m68_lib.M68	2B2
OSC32K	OSC32K - @m68_lib.M68	3B5
P1_CRE	P1_CRE - @m68_lib.M68	2C8 3B1
P1_CRE_2V7	P1_CRE_2V7 - @m68_lib.M68	2C6
P2_CS*	P2_CS* - @m68_lib.M68	3B1
PALEVEL	PALEVEL - @m68_lib.M68	2D6 5A6
PA_MODE	PA_MODE - @m68_lib.M68	2C6 5A5
PA_PE_G	PA_PE_G - @m68_lib.M68	8B4 8B5
PA_PE_G_N	PA_PE_G_N - @m68_lib.M68	8B3 8B5
PA_VCC	PA_VCC - @m68_lib.M68	5B5
PCS_OUT	PCS_OUT - @m68_lib.M68	5A4
PDETECT_DIV	PDETECT_DIV - @m68_lib.M68	8C3
PDETECT_IN	PDETECT_IN - @m68_lib.M68	8B5 8C2
PDETECT_OUT	PDETECT_OUT - @m68_lib.M68	8B4
PIPESTAT0	PIPESTAT0 - @m68_lib.M68	2A6 6C1
PIPESTAT1	PIPESTAT1 - @m68_lib.M68	2A6 6C1
PIPESTAT2	PIPESTAT2 - @m68_lib.M68	2A6 6C1
PMRSTN	PMRSTN - @m68_lib.M68	2A8 4B5
PM_INT	PM_INT - @m68_lib.M68	2A4 2A7
Q	Q - @m68_lib.M68	2D6 5C5
QX	QX - @m68_lib.M68	2D6 5C5
RADIO_INOUT_50OHM	RADIO_INOUT_50OHM - @m68_lib.M68	5B6
RADIO_ON	RADIO_ON - @m68_lib.M68	4B6 6C5 9D6 9D6
RCVR_N	RCVR_N - @m68_lib.M68	2C2 6B8
RCVR_P	RCVR_P - @m68_lib.M68	2C2 6B8
RESETN	RESETN - @m68_lib.M68	2A7 3B4 3B5
RESET_DET	RESET_DET - @m68_lib.M68	2C4
RESET_DET*	RESET_DET* - @m68_lib.M68	2C3 6C5
RF_TEMP	RF_TEMP - @m68_lib.M68	2D6 5D7
SIMCRD_CLK	SIMCRD_CLK - @m68_lib.M68	2C6 6C5 9D2
SIMCRD_IO	SIMCRD_IO - @m68_lib.M68	2C6 6B5 9D2
SIMCRD_RST	SIMCRD_RST - @m68_lib.M68	2C6 6B5 9D2
SIM_DETECT	SIM_DETECT - @m68_lib.M68	2C7 6B5 9D2
SIM_EN_N	SIM_EN_N - @m68_lib.M68	2B6 2B7
SIM_EN_N_DSP	SIM_EN_N_DSP - @m68_lib.M68	2A4
SIM_EN_N_GATE	SIM_EN_N_GATE - @m68_lib.M68	2A3 2B8
SIM_VCC	SIM_VCC - @m68_lib.M68	2B8 6C5 9D2
SLED1	SLED1 - @m68_lib.M68	4A4
SLED2	SLED2 - @m68_lib.M68	4A4
SMPOWER_SPKR+	SMPOWER_SPKR+ - @m68_lib.M68	4A4 6C8
SMPOWER_SPKR-	SMPOWER_SPKR- - @m68_lib.M68	4A4 6C8
SPOWER_INT	SPOWER_INT - @m68_lib.M68	2A8 4B5
SP_AMP_IN_N	SP_AMP_IN_N - @m68_lib.M68	2B3 4A6
SP_AMP_IN_P	SP_AMP_IN_P - @m68_lib.M68	2C3 4A6
TRACECLK	TRACECLK - @m68_lib.M68	2A6 6C1
TRACEPKT<0>	TRACEPKT<0> - @m68_lib.M68	2A6 6C1
TRACEPKT<1>	TRACEPKT<1> - @m68_lib.M68	2A6 6C1
TRACEPKT<2>	TRACEPKT<2> - @m68_lib.M68	2A6 6C1
TRACEPKT<3>	TRACEPKT<3> - @m68_lib.M68	2A6 6C1
TRACEPKT<4>	TRACEPKT<4> - @m68_lib.M68	2A6 6C1
TRACEPKT<5>	TRACEPKT<5> - @m68_lib.M68	2A6 6C1
TRACEPKT<6>	TRACEPKT<6> - @m68_lib.M68	2A6 6C1
TRACEPKT<7>	TRACEPKT<7> - @m68_lib.M68	2A6 6C1
TRACESYNC	TRACESYNC - @m68_lib.M68	2A6 6C1
TRIG_IN	TRIG_IN - @m68_lib.M68	2A6 6C4
TXON_PA	TXON_PA - @m68_lib.M68	2D6 5A5
USIF_CTS_N	USIF_CTS_N - @m68_lib.M68	2A4 6B5
USIF_RTS_N	USIF_RTS_N - @m68_lib.M68	2A4 6B5
USIF_RXD_MRST	USIF_RXD_MRST - @m68_lib.M68	2A4 6C5
USIF_TXD_MTSR	USIF_TXD_MTSR - @m68_lib.M68	2A4 6C5
VANA	VANA - @m68_lib.M68	3A4 4A2
VBB1	VBB1 - @m68_lib.M68	4C2
VBB2	VBB2 - @m68_lib.M68	4B2
VC1	VC1 - @m68_lib.M68	2D6 5A5
VDDMIX2V8	VDDMIX2V8 - @m68_lib.M68	5D3
VDD_26MXO	VDD_26MXO - @m68_lib.M68	5C6 5C6
VDD_BTDIG	VDD_BTDIG - @m68_lib.M68	7B7 7D4
VDD_BTIO_1V8	VDD_BTIO_1V8 - @m68_lib.M68	4B7 7A4 7A4 7A5 7C5 7D5
VDD_BTIO_1V8SRC	VDD_BTIO_1V8SRC - @m68_lib.M68	4B6
VDD_BTRF_1V8	VDD_BTRF_1V8 - @m68_lib.M68	7D6
VDD_BT_1V8OUT	VDD_BT_1V8OUT - @m68_lib.M68	7C4 7D6
VDD_BT_2V85	VDD_BT_2V85 - @m68_lib.M68	4B2 7B6 8C1
VDD_BT_2V85SRC	VDD_BT_2V85SRC - @m68_lib.M68	4B3
VDD_BT_REGIN	VDD_BT_REGIN - @m68_lib.M68	7B5
VDD_DSP	VDD_DSP - @m68_lib.M68	3A7 3C8 4C1
VDD_IO_BB	VDD_IO_BB - @m68_lib.M68	4B3 4D7
VDD_PLL	VDD_PLL - @m68_lib.M68	3A7
VDD_RF2V8	VDD_RF2V8 - @m68_lib.M68	4B7 5D2 5D5
VDD_RF2V8_SRC	VDD_RF2V8_SRC - @m68_lib.M68	4B6
VDD_RFCORE	VDD_RFCORE - @m68_lib.M68	4C1 5D5
VDD_SG2CORE	VDD_SG2CORE - @m68_lib.M68	3D8 3D8 4B1 5D4
VDD_SIP_DIG2V8	VDD_SIP_DIG2V8 - @m68_lib.M68	5D3
VDD_VCXO	VDD_VCXO - @m68_lib.M68	4B6 5C1 5C7
VDD_WLANPA	VDD_WLANPA - @m68_lib.M68	8C5
VDD_WLANPA_BIAS_3V1	VDD_WLANPA_BIAS_3V1 - @m68_lib.M68	4A3 8B4 8B4
VDD_WLAN_1V2	VDD_WLAN_1V2 - @m68_lib.M68	8C6
VDD_WLAN_1V8A	VDD_WLAN_1V8A - @m68_lib.M68	8C7 8D4
VDD_WLAN_2V85	VDD_WLAN_2V85 - @m68_lib.M68	4B1 8B4 8C2 8C6
VDD_WLAN_2V85SRC	VDD_WLAN_2V85SRC - @m68_lib.M68	4B2
VDD_WLAN_IO	VDD_WLAN_IO - @m68_lib.M68	8A3 8C5 8D7
VDD_WLAN_LDO_IO_1V8	VDD_WLAN_LDO_IO_1V8 - @m68_lib.M68	8C5 8D4 8D7
VIBRATOR+	VIBRATOR+ - @m68_lib.M68	4B3 6C8
VINT	VINT - @m68_lib.M68	2C7 3B7 3C7 4B1 4C6 6C1
VINT_SRC	VINT_SRC - @m68_lib.M68	4B2
VMIC_N_FILT	VMIC_N_FILT - @m68_lib.M68	2A1
VMIC_P_FILT	VMIC_P_FILT - @m68_lib.M68	2A2
VRADIO	VRADIO - @m68_lib.M68	4B5 4C6
VRAMP	VRAMP - @m68_lib.M68	5A6
VRFC	VRFC - @m68_lib.M68	4C1
VRTC	VRTC - @m68_lib.M68	2B7 3A7 4A2
VSIM	VSIM - @m68_lib.M68	2C8 3B7 4B1
VSIM_GLITCH	VSIM_GLITCH - @m68_lib.M68	2C7
VTUNE	VTUNE - @m68_lib.M68	5C7
V_FLASH	V_FLASH - @m68_lib.M68	3C4 3D3 3D3
V_PSRAM	V_PSRAM - @m68_lib.M68	3D2
V_SD	V_SD - @m68_lib.M68	2C3 2D3 3B7 3C1 3C5 3C7 3C7 3C7 3D3 4B7 6C4
V_SD_GND	V_SD_GND - @m68_lib.M68	4B7 4C4
V_SD_SW	V_SD_SW - @m68_lib.M68	4B5
WLANPAVC1	WLANPAVC1 - @m68_lib.M68	8C4
WLANPAVC2	WLANPAVC2 - @m68_lib.M68	8C4
WLANPA_EN	WLANPA_EN - @m68_lib.M68	8B5
WLANPA_VREG	WLANPA_VREG - @m68_lib.M68	8B5
WLANRX_BAL_IN	WLANRX_BAL_IN - @m68_lib.M68	8B3
WLANRX_BAL_N	WLANRX_BAL_N - @m68_lib.M68	8A4
WLANRX_BAL_P	WLANRX_BAL_P - @m68_lib.M68	8A4
WLANRX_N	WLANRX_N - @m68_lib.M68	8A5
WLANRX_P	WLANRX_P - @m68_lib.M68	8A5
WLANTX	WLANTX - @m68_lib.M68	8B3
WLAN_1V8_EN	WLAN_1V8_EN - @m68_lib.M68	2C3 8D6
WLAN_32K_CLK	WLAN_32K_CLK - @m68_lib.M68	2A4 8A8 9B3
WLAN_ACTIVE	WLAN_ACTIVE - @m68_lib.M68	7B3 8B8
WLAN_BOOTCFG0	WLAN_BOOTCFG0 - @m68_lib.M68	6B2 8B8 9B3
WLAN_BOOTCFG1	WLAN_BOOTCFG1 - @m68_lib.M68	6B2 8B8 9B3
WLAN_CLK_REQ	WLAN_CLK_REQ - @m68_lib.M68	8A6 9B3
WLAN_EN2	WLAN_EN2 - @m68_lib.M68	8D6
WLAN_GPIO5	WLAN_GPIO5 - @m68_lib.M68	8A6
WLAN_JTAG_EN_N	WLAN_JTAG_EN_N - @m68_lib.M68	8A6
WLAN_LDOIN	WLAN_LDOIN - @m68_lib.M68	8D6
WLAN_PA_RFIN	WLAN_PA_RFIN - @m68_lib.M68	8B5
WLAN_PA_RFOUT	WLAN_PA_RFOUT - @m68_lib.M68	8B4
WLAN_RESET	WLAN_RESET - @m68_lib.M68	6C8 8A3
WLAN_RESET*	WLAN_RESET* - @m68_lib.M68	8A4 8A5
WLAN_REXT	WLAN_REXT - @m68_lib.M68	8B6
WLAN_RX_EN	WLAN_RX_EN - @m68_lib.M68	8B5 8C2
WLAN_RX_EN_BUFF	WLAN_RX_EN_BUFF - @m68_lib.M68	8C2
WLAN_RX_OUT	WLAN_RX_OUT - @m68_lib.M68	8A1
WLAN_SDIO_CLK	WLAN_SDIO_CLK - @m68_lib.M68	6C5 8B8
WLAN_SDIO_CMD	WLAN_SDIO_CMD - @m68_lib.M68	6C5 8B8
WLAN_SDIO_DATA<0>	WLAN_SDIO_DATA<0> - @m68_lib.M68	6C5 8B8
WLAN_SDIO_DATA<1>	WLAN_SDIO_DATA<1> - @m68_lib.M68	6C5 8B8
WLAN_SDIO_DATA<2>	WLAN_SDIO_DATA<2> - @m68_lib.M68	6C5 8B8
WLAN_SDIO_DATA<3>	WLAN_SDIO_DATA<3> - @m68_lib.M68	6C5 8B8
WLAN_TCK	WLAN_TCK - @m68_lib.M68	6C4 8B8
WLAN_TDI_UART_SIN	WLAN_TDI_UART_SIN - @m68_lib.M68	6B4 8B8 9B3
WLAN_TDO	WLAN_TDO - @m68_lib.M68	6B4 8B8
WLAN_TMS	WLAN_TMS - @m68_lib.M68	6C4 8B8
WLAN_TMS2	WLAN_TMS2 - @m68_lib.M68	8B8 9B3
WLAN_TRST_N	WLAN_TRST_N - @m68_lib.M68	6C4 8B8
WLAN_TX_EN	WLAN_TX_EN - @m68_lib.M68	8B1 8B5
WLAN_UART_SOUT	WLAN_UART_SOUT - @m68_lib.M68	6B4 8A5 9B3
WLAN_XTAL_IN	WLAN_XTAL_IN - @m68_lib.M68	8A5 8B5
WLAN_XTAL_OUT	WLAN_XTAL_OUT - @m68_lib.M68	8A4 8B5
XO_EN	XO_EN - @m68_lib.M68	2C6 4B5

Title: Cref Part Report
Design: m68
Date: Nov 6 14:16:29 2006

C3	CAP_201	m68[3D3]
C4	CAP_402	m68[3D3]
C5	CAP_P_CASE-A3	m68[5B5]
C6	CAP_201	m68[3D2]
C7	CAP_402	m68[3D2]
C9	CAP_201	m68[7C6]
C11	CAP_201	m68[7C6]
C12	CAP_201	m68[7C6]
C15	CAP_402	m68[4B5]
C16	CAP_402	m68[4B2]
C18	CAP_402	m68[8C5]
C19	CAP_402	m68[8C5]
C20	CAP_201	m68[8C4]
C21	CAP_201	m68[8B2]
C32	CAP_201	m68[7D5]
C33	CAP_201	m68[7C5]
C34	CAP_201	m68[7C5]
C35	CAP_201	m68[7D5]
C36	CAP_201	m68[7C4]
C37	CAP_201	m68[7D4]
C38	CAP_402	m68[7C4]
C39	CAP_201	m68[7B4]
C40	CAP_402	m68[7D4]
C41	CAP_402	m68[8D6]
C42	CAP_402	m68[8D5]
C43	CAP_201	m68[8C1]
C44	CAP_201	m68[3C7]
C49	CAP_201	m68[8D6]
C51	CAP_201	m68[8D2]
C52	CAP_201	m68[8C2]
C53	CAP_201	m68[3C7]
C54	CAP_201	m68[3C7]
C55	CAP_402	m68[3D7]
C61	CAP_402	m68[8D5]
C62	CAP_201	m68[8B4]
C63	CAP_201	m68[8B4]
C65	CAP_201	m68[8C3]
C68	CAP_402	m68[3C7]
C70	CAP_201	m68[2D3]
C71	CAP_402	m68[3C7]
C72	CAP_201	m68[4D6]
C74	CAP_201	m68[3B3]
C75	CAP_201	m68[3B3]
C76	CAP_201	m68[3B7]
C77	CAP_201	m68[3B7]
C78	CAP_201	m68[3B7]
C79	CAP_201	m68[3C7]
C84	CAP_201	m68[5B6]
C85	CAP_201	m68[5D4]
C87	CAP_201	m68[3B7]
C88	CAP_201	m68[3B7]
C90	CAP_402	m68[4B2]
C91	CAP_402	m68[8C8]
C92	CAP_201	m68[3A4]
C93	CAP_402	m68[8C8]
C94	CAP_201	m68[8C8]
C95	CAP_201	m68[8C8]
C96	CAP_201	m68[3A4]
C97	CAP_201	m68[3A4]
C98	CAP_201	m68[8C8]
C99	CAP_402	m68[3B4]
C100	CAP_201	m68[8C8]
C102	CAP_402	m68[8C5]
C103	CAP_603	m68[8C6]
C106	CAP_201	m68[8C6]
C107	CAP_201	m68[3D8]
C108	CAP_201	m68[3C8]
C109	CAP_201	m68[8C6]
C110	CAP_402	m68[3D7]
C111	CAP_201	m68[3D8]
C113	CAP_201	m68[8C6]
C114	CAP_201	m68[8C6]
C115	CAP_201	m68[8C5]
C116	CAP_201	m68[8A3]
C117	CAP_603	m68[4C5]
C118	CAP_603	m68[4C4]
C119	CAP_201	m68[8C2]
C120	CAP_402	m68[4A3]
C121	CAP_402	m68[4B3]
C122	CAP_201	m68[8A2]
C123	CAP_201	m68[4B3]
C124	CAP_402	m68[4A3]
C125	CAP_402	m68[4B2]
C127	CAP_402	m68[4B2]
C131	CAP_201	m68[8D7]
C132	CAP_201	m68[8B3]
C133	CAP_201	m68[5D4]
C134	CAP_201	m68[5D5]
C135	CAP_201	m68[4D2]
C136	CAP_201	m68[8A5]
C137	CAP_201	m68[8C2]
C138	CAP_201	m68[5C2]
C139	CAP_201	m68[2B2]
C140	CAP_201	m68[2B2]
C141	CAP_P_402	m68[4A6]
C142	CAP_201	m68[5C2]
C143	CAP_603	m68[4B6]
C144	CAP_402	m68[4B6]
C145	CAP_P_402	m68[4A6]
C146	CAP_402	m68[4B2]
C147	CAP_402	m68[4B2]
C148	CAP_201	m68[8B3]
C149	CAP_201	m68[2B7]
C150	CAP_P_CASE-A3	m68[8C4]
C151	CAP_201	m68[8B3]
C152	CAP_201	m68[8C8]
C153	CAP_201	m68[8C8]
C159	CAP_201	m68[5B5]
C165	CAP_201	m68[3A7]
C181	CAP_201	m68[2B2]
C182	CAP_201	m68[2B2]
C209	CAP_402	m68[2A2]
C210	CAP_603	m68[4B7]
C211	CAP_603	m68[4B7]
C212	CAP_402	m68[4A5]
C213	CAP_402	m68[4A5]
C214	CAP_603	m68[4C6]
C215	CAP_603	m68[4C4]
C216	CAP_603	m68[4C4]
C219	CAP_201	m68[2B3]
C220	CAP_201	m68[2B3]
C234	CAP_402	m68[4A4]
C239	CAP_201	m68[2C4]
C240	CAP_201	m68[2C4]
C247	CAP_402	m68[7B5]
C264	CAP_201	m68[5A6]
C265	CAP_201	m68[5B6]
C266	CAP_201	m68[5C5]
C267	CAP_201	m68[5D3]
C268	CAP_201	m68[5A4]
C269	CAP_201	m68[5A3]
C270	CAP_201	m68[5D3]
C271	CAP_201	m68[5D3]
C272	CAP_201	m68[5D2]
C281	CAP_201	m68[3D2]
C286	CAP_201	m68[5C7]
C300	CAP_201	m68[8C3]
C310	CAP_201	m68[3B7]
C311	CAP_201	m68[4A5]
C312	CAP_201	m68[4A5]
C324	CAP_201	m68[5C6]
FL2	FIL_NUF2441FC_SWAP_BGA	m68[2C3]
FL3	FIL_NUF2441FC_SWAP_BGA	m68[2B2]
FL4	FILTER_LDC182G_LDC182G-SM	m68[8B2]
FL5	FILTER_LFB2H_2.5X2MM-SM	m68[8D4]
J2	CON_F2ST_COAX_S2MT_SM_F-ST-SM	m68[5B7]
J4	CON_F2ST_COAX_S2MT_SM_F-ST-SM	m68[8D4]
J6	CON_M52ST_D_SM_M-ST-SM	m68[6C3]
J7	CON_3HB_S_HB-SM-2P0	m68[4D8]
J10	CON_F64ST_D_SM_F-ST-SM	m68[6C6]
L3	IND_0201	m68[7C5]
L4	IND_0201	m68[7C5]
L5	IND_03015	m68[8C4]
L8	IND_0201	m68[8A4]
L9	IND_VLF3012AT	m68[4B5]
L10	IND_0201	m68[8A4]
L11	IND_0201	m68[8A4]
L14	IND_0201	m68[7D6]
L15	IND_03015	m68[8C4]
L16	FIL_LDB18_0603	m68[8A3]
L21	IND_0603	m68[4C5]
L23	IND_0201	m68[5A4]
L26	IND_SM	m68[5D4]
Q1	TRA_DUAL_PCH_NTZD3152_SOT-563	m68[2B8 2B7]
Q5	TRA_PCH_NTZS3151_SOT-563	m68[4C6]
Q6	TRA_MOSFET_NCHN_3P_CST3	m68[2D8]
Q7	TRA_DUAL_NPCH_NTZD3155C_SOT-563	m68[4D2]
Q10	TRA_MOSFET_NCHN_3P_CST3	m68[2C3]
Q11	TRA_MOSFET_NCHN_3P_CST3	m68[2A7]
Q12	TRA_DUAL_DMN5L06VAK_SOT563	m68[7B6]
Q12	TRA_DUAL_DMN5L06VAK_SOT563	m68[8A4]
Q13	TRA_PCH_SSM3J16CT_CST3	m68[8B5]
R2	RES_201	m68[3B5]
R7	RES_201	m68[3B4]
R8	RES_201	m68[3B4]
R9	RES_201	m68[8A1]
R12	RES_201	m68[7B6]
R13	RES_201	m68[7B6]
R14	RES_201	m68[7D4]
R17	RES_201	m68[3B4]
R18	RES_201	m68[3B4]
R19	RES_201	m68[8A3]
R20	RES_201	m68[8A3]
R22	RES_201	m68[8B5]
R23	RES_201	m68[8C3]
R24	RES_201	m68[8C3]
R26	RES_201	m68[5C6]
R39	RES_201	m68[3A4]
R40	RES_201	m68[2C7]
R41	RES_201	m68[2D7]
R42	RES_201	m68[2D7]
R44	RES_201	m68[7A5]
R45	RES_201	m68[2C4]
R48	RES_201	m68[5D2]
R49	RES_201	m68[4D7]
R50	RES_201	m68[2D7]
R51	RES_201	m68[7A5]
R52	RES_201	m68[5D7]
R53	RES_201	m68[4D6]
R54	RES_201	m68[7A5]
R55	RES_201	m68[7A4]
R56	RES_201	m68[7A4]
R57	RES_201	m68[8D6]
R64	RES_201	m68[2C7]
R65	RES_201	m68[2C7]
R66	RES_201	m68[5C6]
R68	RES_201	m68[4D5]
R74	RES_201	m68[2A4]
R75	RES_201	m68[8A8]
R76	RES_201	m68[8B6]
R78	RES_201	m68[8C3]
R79	RES_201	m68[8B2]
R80	RES_201	m68[8B2]
R81	RES_201	m68[8B1]
R86	RES_201	m68[8B8]
R87	RES_201	m68[8D8]
R88	RES_201	m68[4D2]
R89	RES_201	m68[4C2]
R91	RES_201	m68[8B4]
R95	RES_201	m68[8B8]
R100	RES_201	m68[2A3]
R101	RES_201	m68[8A5]
R102	RES_201	m68[8B5]
R103	RES_201	m68[8D7]
R104	RES_201	m68[4A3]
R105	RES_201	m68[4A3]
R106	RES_201	m68[3B3]
R107	RES_201	m68[3C1]
R108	RES_201	m68[8B5]
R109	RES_201	m68[2C3]
R110	RES_201	m68[7A5]
R111	RES_201	m68[8A6]
R115	RES_201	m68[4C6]
R117	RES_201	m68[4C6]
R129	RES_201	m68[4B3]
R168	RES_201	m68[2B1]
R171	RES_201	m68[2B1]
R181	RES_201	m68[2A2]
R182	RES_201	m68[2A2]
R198	RES_201	m68[3A7]
R204	RES_201	m68[2A8]
R205	RES_201	m68[2B8]
R209	RES_201	m68[2C4]
R222	RES_201	m68[5A6]
R226	RES_201	m68[5A4]
R237	RES_201	m68[3C4]
R240	THERMISTER_0201	m68[5D7]
R285	RES_201	m68[2B7]
R286	RES_201	m68[2A4]
R289	RES_201	m68[4A6]
R293	RES_201	m68[2C8]
R304	RES_201	m68[5C7]
R305	RES_201	m68[5C7]
R317	RES_201	m68[4B6]
SH1	SHLD_1P_SM1	m68[6A7]
SH2	SHLD_1P_SM1	m68[6A6]
SL1	SLOT_TH	m68[6A7]
SL2	SLOT_TH	m68[6A7]
SL3	SLOT_TH	m68[6A6]
SL4	SLOT_TH	m68[6A6]
T1	XFR_HBM1710D1_LLP	m68[7C7]
TP30	TP_TP-P6	m68[6C8]
TP31	TP_TP-P6	m68[6C8]
TP32	TP_TP-P6	m68[6C8]
TP33	TP_TP-P6	m68[6B8]
TP34	TP_TP-P6	m68[6C5]
TP35	TP_TP-P6	m68[6B5]
TP36	TP_TP-P6	m68[6C5]
TP37	TP_TP-P6	m68[6C5]
TP38	TP_TP-P6	m68[6C5]
TP39	TP_TP-P6	m68[6B5]
TP40	TP_TP-P6	m68[6C5]
TP41	TP_TP-P6	m68[6B5]
TP42	TP_TP-P6	m68[6C4]
TP43	TP_TP-1P0-TOP	m68[6C4]
TP44	TP_TP-1P0-TOP	m68[6C4]
TP45	TP_TP-1P0-TOP	m68[6B4]
TP46	TP_TP-1P0-TOP	m68[6B4]
TP47	TP_TP-1P0-TOP	m68[6C3]
TP48	TP_TP-1P0-TOP	m68[6C3]
TP49	TP_TP-1P0-TOP	m68[6B3]
TP50	TP_TP-1P0-TOP	m68[6B3]
TP51	TP_TP-P6	m68[6C1]
TP52	TP_TP-1P0-TOP	m68[6B1]
TP53	TP_TP-1P0-TOP	m68[6B1]
TP54	TP_TP-P6	m68[8A8]
TP55	TP_TP-P6	m68[2A6]
TP56	TP_TP-P6	m68[2A6]
TP57	TP_TP-P6	m68[8B8]
TP58	TP_TP-P6	m68[8A5]
TP59	TP_TP-P6	m68[6C8]
TP60	TP_TP-P6	m68[6C8]
TP61	TP_TP-P6	m68[7B2]
TP62	TP_TP-P6	m68[7B2]
TP63	TP_TP-P6	m68[7B2]
U1	FLASH_2MBX4_BGA88_1_BGA	m68[3D2]
U2	BC41B143A_CSP	m68[7C5]
U3	RF5222_QFN	m68[8C4]
U6	MAX4372_UCSP5_UCSP	m68[4D7]
U8	SKY77340_MCM	m68[5B5]
U9	LREG_XC6401_USP_USP-6B	m68[8D6]
U12	PMB8876_BGA	m68[2D5]
U12	PMB8876_BGA	m68[3D6]
U13	PMB6812_QFN	m68[4B5]
U18	SWI_SPDT_SKY13268_SOT666	m68[8C2]
U20	74LVC2G08_SOT833	m68[2B7]
U23	PMB6920_LGA	m68[5C3]
U26	74LVC1G32GF_SOT891	m68[2D3]
U28	88W8686_CSP67_FLIP_CHIP	m68[8C7]
U29	SWI_UPG2150T5L_TSQFN66	m68[8B2]
U30	SWI_SPDT_DG2717_SOT666	m68[8D8]
U32	74LVC1G32GF_SOT891	m68[8C2]
U34	74LVC1G00_SOT891	m68[8B3]
XW1	SHORT_SHORT-0201-NSM	m68[3D3]
XW2	SHORT_SHORT-0201-NSM	m68[4B6]
XW3	SHORT_SHORT-0201-NSM	m68[4B3]
XW4	SHORT_SHORT-0201-NSM	m68[4B1]
XW5	SHORT_SHORT-0201-NSM	m68[8C3]
XW6	SHORT_SM	m68[2A3]
XW8	SHORT6L25_WITH_ALTS_SM	m68[4C3]
XW11	SHORT_SHORT-0201-NSM	m68[2B4]
XW12	SHORT_SHORT-0201-NSM	m68[2B4]
XW13	SHORT_SHORT-0201-NSM	m68[2B4]
XW14	SHORT_SM	m68[5B5]
XW15	SHORT_SHORT-0201-NSM	m68[2A4]
XW16	SHORT_SHORT-0201-NSM	m68[4A3]
XW17	SHORT_SM	m68[2D7]
XW18	SHORT_SHORT-0201-NSM	m68[8D6]
XW42	SHORT_SHORT-0201-NSM	m68[7B5]
XW45	SHORT_SHORT-0201-NSM	m68[3D3]
XW46	SHORT_SHORT-0201-NSM	m68[4B2]
XW47	SHORT_SHORT-0201-NSM	m68[4C2]
XW48	SHORT_SHORT-0201-NSM	m68[4C1]
XW56	SHORT_SHORT-0201-NSM	m68[4B6]
XW57	SHORT_SHORT-0201-NSM	m68[4B2]
XW60	SHORT_SHORT-0201-NSM	m68[4C7]
XW62	SHORT_SHORT-0201-NSM	m68[2A4]
XW63	SHORT_SHORT-0201-NSM	m68[2A4]
Y3	CRYSTAL_3.2X1.5X.6-SM	m68[3B4]
Y6	CRYSTAL_4PIN_SM-2	m68[5C6]
Y7	CRYSTAL_4PIN_SM-2	m68[8A5]