

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.

Tue Dec 21 17:27:23 2010

REV	ECN	DESCRIPTION OF REVISION	CK APPD	DATE
				2010-12-22

N92 SINGLE_BRD (MLB) REV C

PDF PAGE	CSA PAGE	CONTENTS	SYNC MASTER	DATE
1	1	TABLE OF CONTENTS	N/A	N/A
2	2	AP MAIN	N/A	N/A
3	3	AP GPIO, UART, SPI, I2S, I2C, SDIO	N/A	N/A
4	4	AP PWR	N/A	N/A
5	5	AP PWR (CONT.)	N/A	N/A
6	6	NAND & NOR	N/A	N/A
7	7	AP MIPI, DP, SMIA	N/A	N/A
8	8	AP TVOUT	N/A	N/A
9	9	L61 AUDIO INTERFACE	N/A	N/A
10	10	L61 HP	N/A	N/A
11	11	ASHLEY PMU	N/A	N/A
12	12	SIM, ACCEL, VIBE, GYRO, COMPASS	N/A	N/A
13	13	HIGHLAND PARK, SWITCHES	N/A	N/A
14	14	DOCK	N/A	N/A
15	15	NIMBUS, GRAPE, LCD CONN	N/A	N/A
16	16	CAMERA, STROBE, ALS, PROJ	N/A	N/A
17	17	RADIO CONNECTIVITY	N/A	N/A
18	18	TEST POINTS	N/A	N/A

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-8296	1	N92_SCHEMATIC_TOP	SCH	Y	?
820-2766	1	N92_SINGLE_BOARD	PCB	Y	?

N92 EEE BOM LABELS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
825-2029	1	EEE FOR 639-0558 (32G+SEMCO)	EEE_DC47	Y	SEM_FLASH_32GB
825-2029	1	EEE FOR 639-0559 (16G+SEMCO)	EEE_DC48	Y	SEM_FLASH_16GB
825-2029	1	EEE FOR 639-1195 (64G+SEMCO)	EEE_DD7Y	Y	SEM_FLASH_64GB
825-2029	1	EEE FOR 639-1200 (64G+MURATA)	EEE_DD90	Y	MUR_FLASH_64GB
825-2029	1	EEE FOR 639-1201 (32G+MURATA)	EEE_DD91	Y	MUR_FLASH_32GB
825-2029	1	EEE FOR 639-1202 (16G+MURATA)	EEE_DD92	Y	MUR_FLASH_16GB

BOARD - 820-2766
 SCHEMATIC - 051-8296
 MCO - 056-3382

BOM - 639-0558 (32GB+SEMCO)
 BOM - 639-0559 (16GB+SEMCO)
 BOM - 639-1195 (64GB+SEMCO)
 BOM - 639-1200 (64GB+MURATA)
 BOM - 639-1201 (32GB+MURATA)
 BOM - 639-1202 (16GB+MURATA)

RADIO SUB-DESIGN ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
15780068	15780072	?	FL4_RF	PCS RX BALUN
19780381	19780361	?	G1_RF	WIFI/BT TCXO

RF COAX CONNECTOR BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
518S0750	1	IPEX RF COAXIAL CONNECTOR	J3_RF	Y	RF_COAX_ALL
518S0750	1	IPEX RF COAXIAL CONNECTOR	J5_RF	Y	RF_COAX_ALL

POWER INDUCTOR ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
152S1172	152S0928	?	L2_PMU	IND ALTERNATE
152S1173	152S0979	?	L9	IND ALTERNATE
152S1051	152S0927	?	L7_PMU	IND ALTERNATE

WIFI BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
339S0145	1	SEMCO MODULE	U12_RF	Y	SEMCO
339S0111	1	MURATA MODULE	U12_RF	Y	MURATA

PMU BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
338S0867	1	PMU-A4	U48_PMU	Y	PMU_A4
338S0876	1	PMU-A5	U48_PMU	Y	PMU_A5

BB MEMORY BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
341T0324	1	BASEBAND MEMORY SUB-ASSEMBLY	U2_RF	Y	BB_MEMORY_ALL

H3 BOM OPTION

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
339S0123	1	APPLICATION PROCESSOR WITH EMBEDDED DDR	U52	Y	H3_ALL

RADIO RESET BUFFER BOM OPTION

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
311S0545	1	BUFFER FOR RADIO RESET	U11_RF	Y	RADIO_BUFFER_ALL

RADIO RESET BUFFER ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
311S0546	311S0545	?	U11_RF	TI ALTERNATE

VIDEO BUFFER ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S2684	353S2493	?	U9	INTERSIL ALTERNATE

PMU CRYSTAL ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
19780329	19780299	?	Y1_PMU	ITTI CRYSTAL
19780369	19780299	?	Y1_PMU	TXC CRYSTAL

LCD BL DRIVER ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
376S0769	376S0768	?	Q1_PMU	LCD BL FET DRIVER

POWER INDUCTORS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
607-6809	1	POWER INDUCTORS	L1_PMU	Y	PMU_INDUCTORS
607-6809	1	POWER INDUCTORS	L3_PMU	Y	PMU_INDUCTORS
607-6809	1	POWER INDUCTORS	L16_PMU	Y	PMU_INDUCTORS
607-6809	1	POWER INDUCTORS	L18_PMU	Y	PMU_INDUCTORS

POWER INDUCTOR ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
607-6810	607-6809	?	L1_PMU	DIRECTIONAL ALTERNATES
607-6810	607-6809	?	L3_PMU	DIRECTIONAL ALTERNATES
607-6810	607-6809	?	L16_PMU	DIRECTIONAL ALTERNATES
607-6810	607-6809	?	L18_PMU	DIRECTIONAL ALTERNATES

DDR ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
339S0126	339S0123	?	U52	HYNIX 46NM
339S0136	339S0123	?	U52	SEC 54NM

CHOKE ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
155S0623	155S0310	?	L1	90 OHM CMC
155S0623	155S0310	?	L2	90 OHM CMC

32K ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
19780392	19780299	?	Y1_PMU	32K ALTERNATE

THERMISTOR ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
107S0146	107S0117	?	R4_PMU	THERMISTOR ALTERNATE
107S0146	107S0117	?	R7_PMU	THERMISTOR ALTERNATE
107S0146	107S0117	?	R5_PMU	THERMISTOR ALTERNATE
107S0146	107S0117	?	R2_PMU	THERMISTOR ALTERNATE
107S0150	107S0117	?	R4_PMU	THERMISTOR ALTERNATE
107S0150	107S0117	?	R7_PMU	THERMISTOR ALTERNATE
107S0150	107S0117	?	R5_PMU	THERMISTOR ALTERNATE
107S0150	107S0117	?	R2_PMU	THERMISTOR ALTERNATE

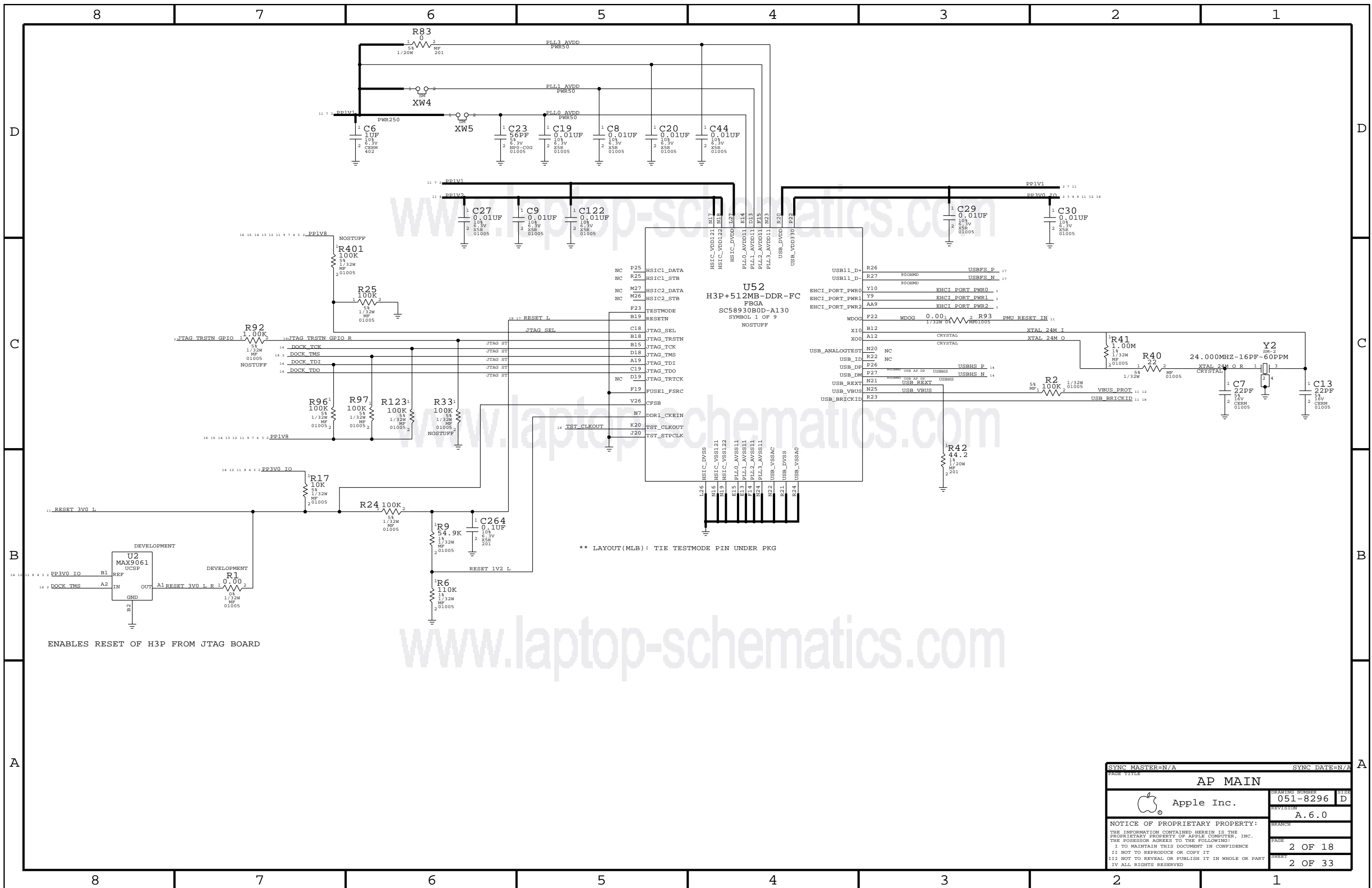
10UF CAP ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
138S0678	138S0679	?	C17	10UF CAP ALTERNATE
138S0678	138S0679	?	C78	10UF CAP ALTERNATE

90-OHM CMC ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
155S0460	155S0583	?	L7	90-OHM CMC ALT
155S0460	155S0583	?	L13	90-OHM CMC ALT
155S0460	155S0583	?	L14	90-OHM CMC ALT
155S0460	155S0583	?	L15	90-OHM CMC ALT
155S0460	155S0583	?	L16	90-OHM CMC ALT

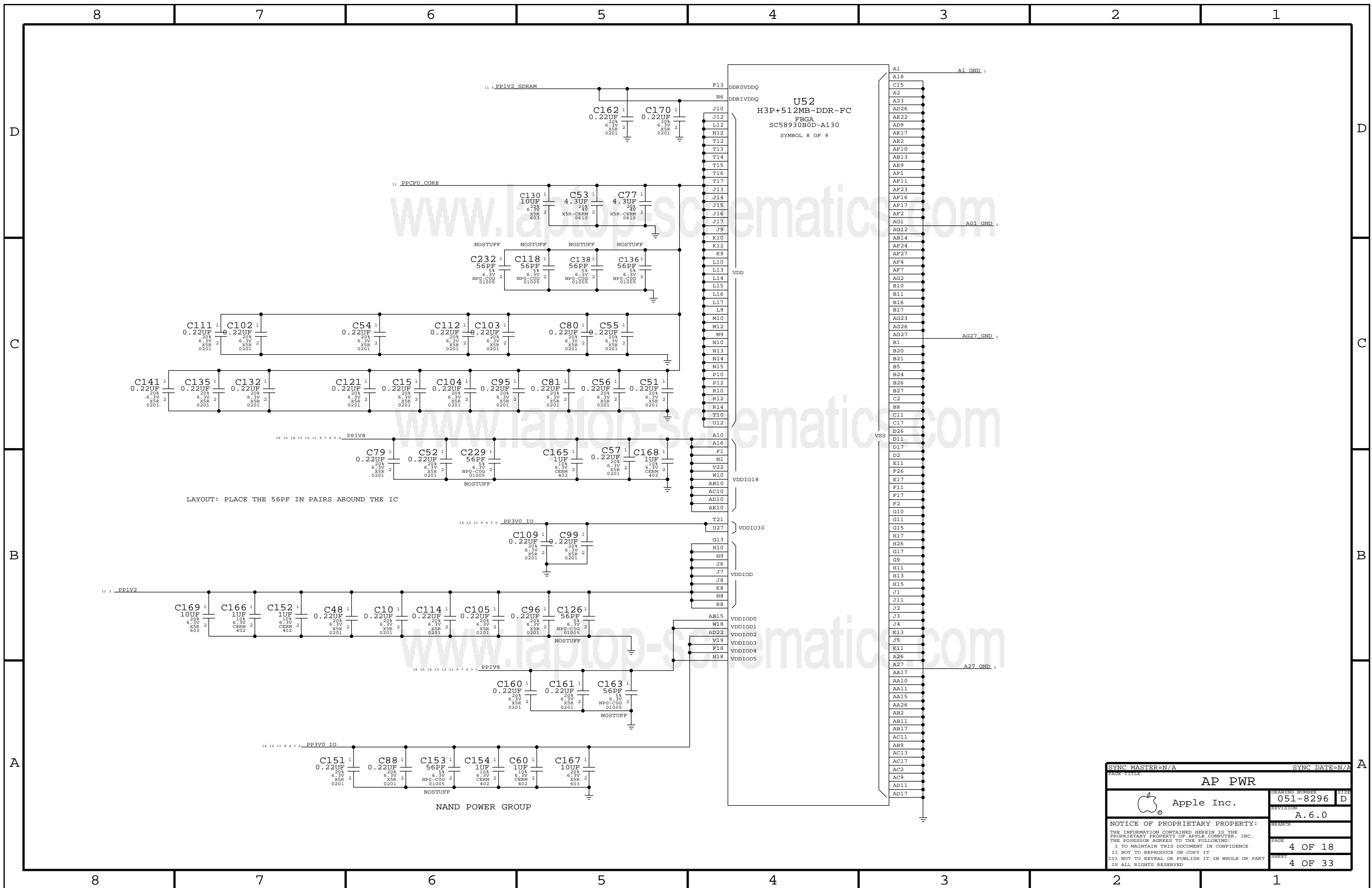
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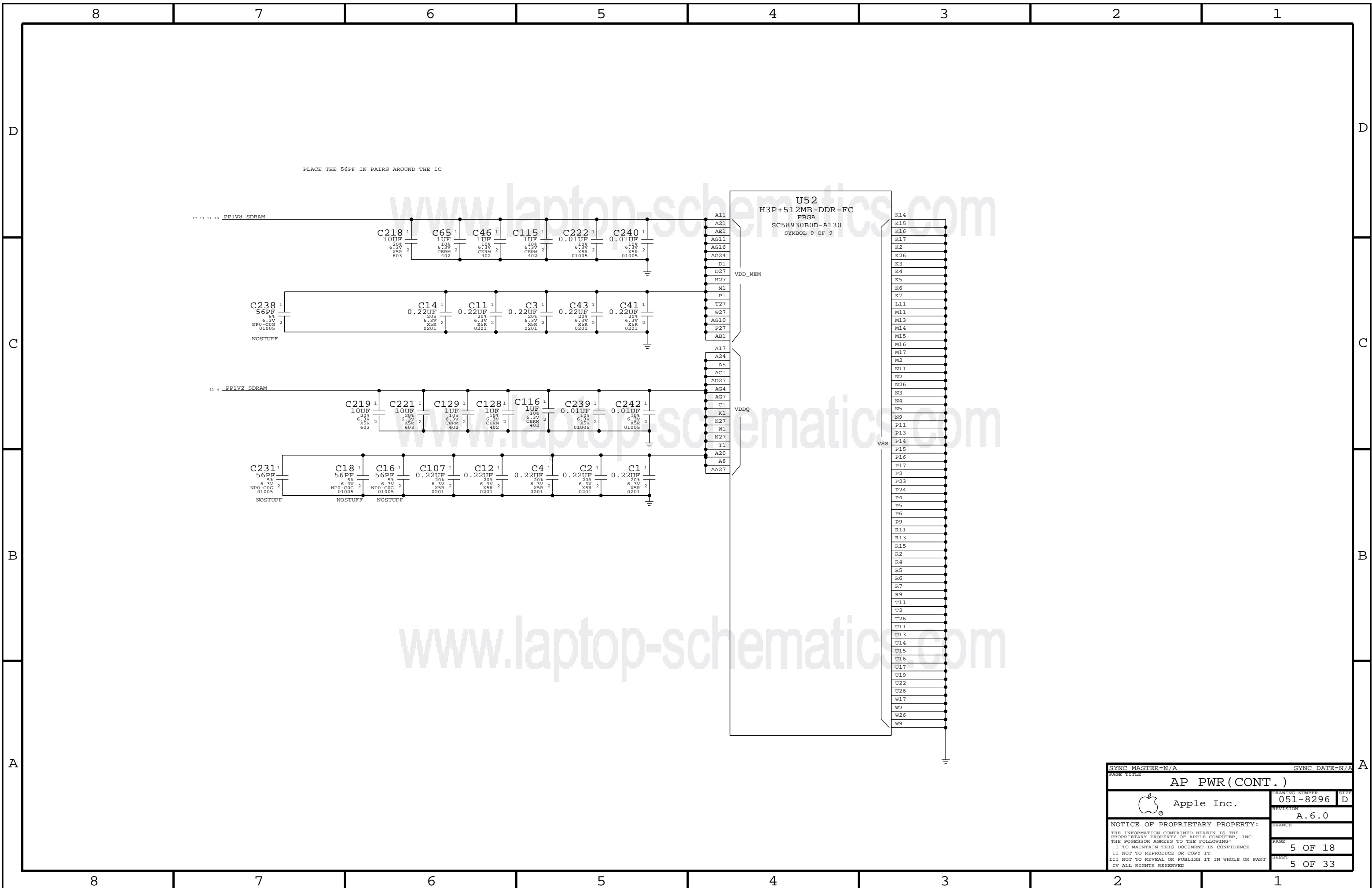
** LAYOUT (MLB): TIE TESTMODE PIN UNDER PKG

ENABLES RESET OF H3P FROM JTAG BOARD

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AP MAIN			
Apple Inc.	DRAWING NUMBER	051-8296	SIZE
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BRANCH		PAGE	
		2 OF 18	
SHEET		PAGE	
		2 OF 33	

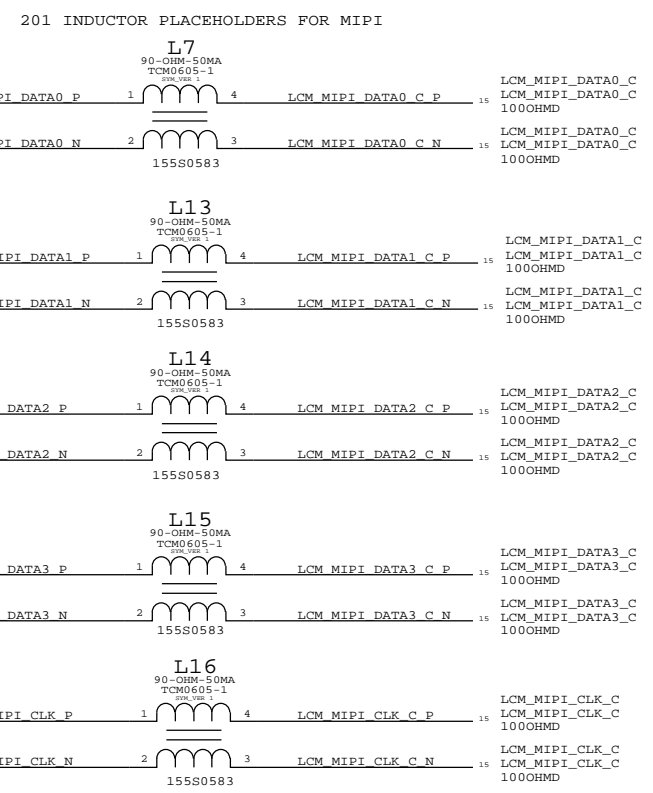
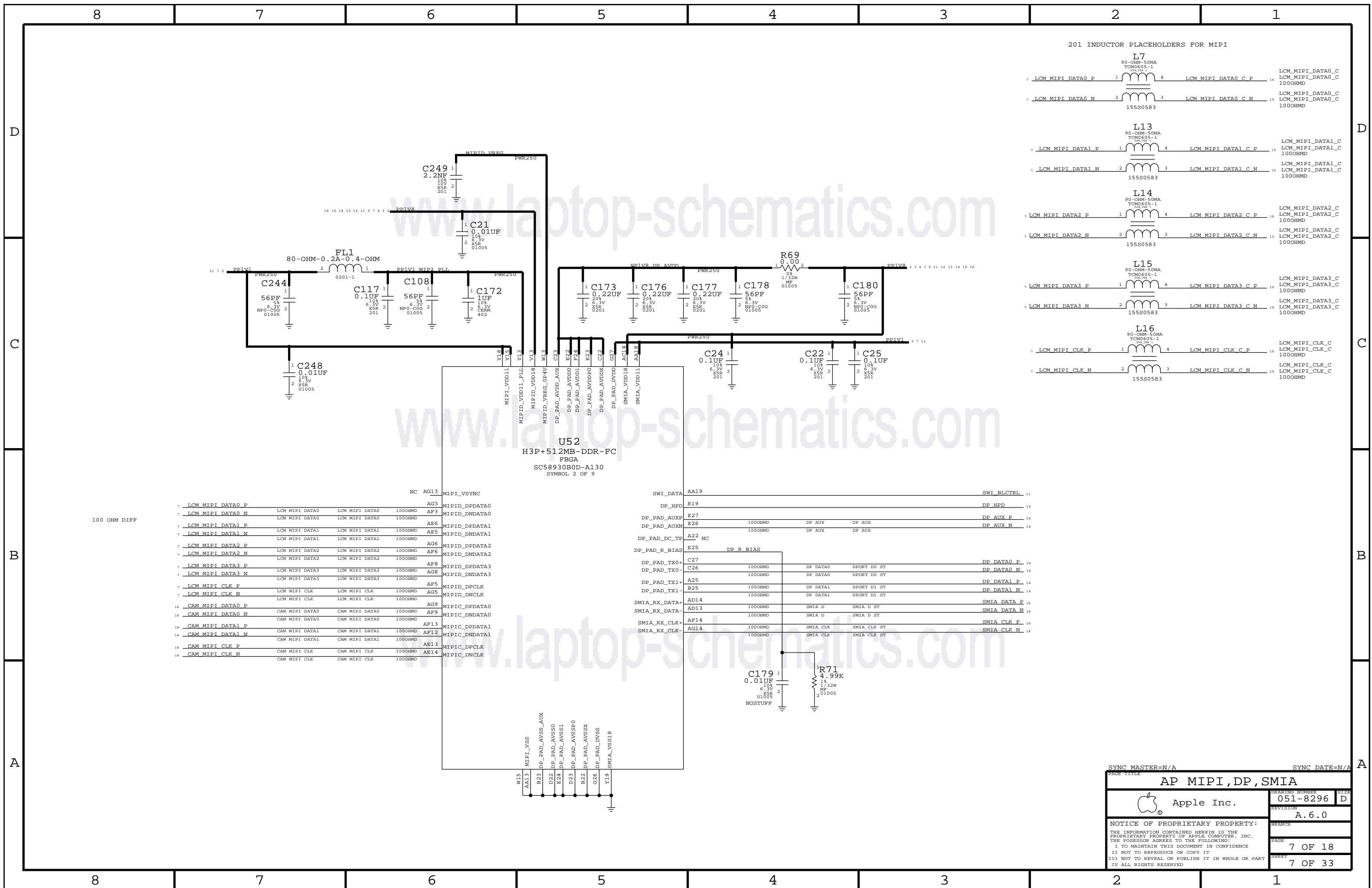


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AP PWR			
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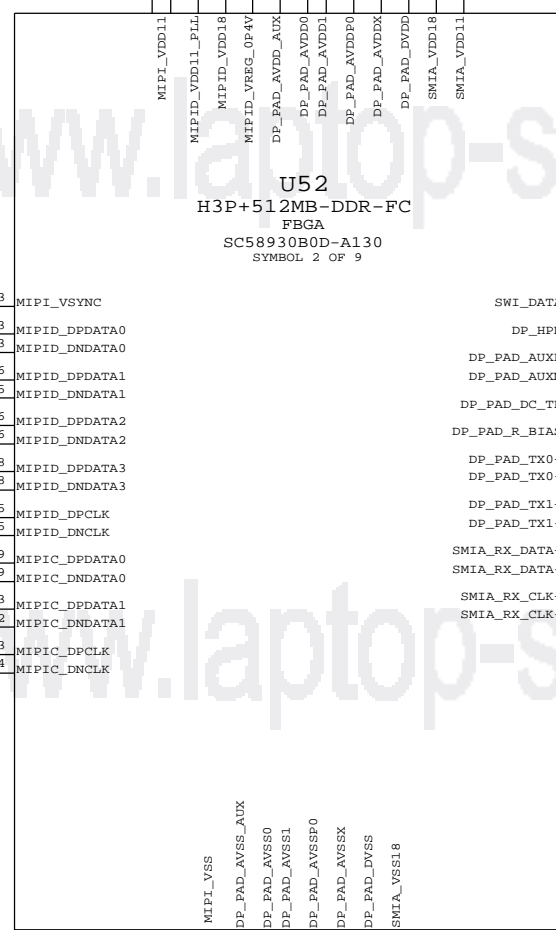
PLACE THE 56PF IN PAIRS AROUND THE IC

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AP PWR (CONT.)			
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		PAGE	5 OF 18
		SHEET	5 OF 33



100 OHM DIFF

LCM_MIPI_DATA0_P	LCM_MIPI_DATA0	LCM_MIPI_DATA0	100OHMD	AG3	MIPID_DPDATA0
LCM_MIPI_DATA0_N	LCM_MIPI_DATA0	LCM_MIPI_DATA0	100OHMD	AF3	MIPID_DNDATA0
LCM_MIPI_DATA1_P	LCM_MIPI_DATA1	LCM_MIPI_DATA1	100OHMD	AE6	MIPID_DPDATA1
LCM_MIPI_DATA1_N	LCM_MIPI_DATA1	LCM_MIPI_DATA1	100OHMD	AE5	MIPID_DNDATA1
LCM_MIPI_DATA2_P	LCM_MIPI_DATA2	LCM_MIPI_DATA2	100OHMD	AG6	MIPID_DPDATA2
LCM_MIPI_DATA2_N	LCM_MIPI_DATA2	LCM_MIPI_DATA2	100OHMD	AF6	MIPID_DNDATA2
LCM_MIPI_DATA3_P	LCM_MIPI_DATA3	LCM_MIPI_DATA3	100OHMD	AF8	MIPID_DPDATA3
LCM_MIPI_DATA3_N	LCM_MIPI_DATA3	LCM_MIPI_DATA3	100OHMD	AG8	MIPID_DNDATA3
LCM_MIPI_CLK_P	LCM_MIPI_CLK	LCM_MIPI_CLK	100OHMD	AF5	MIPID_DPCLK
LCM_MIPI_CLK_N	LCM_MIPI_CLK	LCM_MIPI_CLK	100OHMD	AG5	MIPID_DNCLK
CAM_MIPI_DATA0_P	CAM_MIPI_DATA0	CAM_MIPI_DATA0	100OHMD	AG9	MIPIC_DPDATA0
CAM_MIPI_DATA0_N	CAM_MIPI_DATA0	CAM_MIPI_DATA0	100OHMD	AF9	MIPIC_DNDATA0
CAM_MIPI_DATA1_P	CAM_MIPI_DATA1	CAM_MIPI_DATA1	100OHMD	AF13	MIPIC_DPDATA1
CAM_MIPI_DATA1_N	CAM_MIPI_DATA1	CAM_MIPI_DATA1	100OHMD	AF12	MIPIC_DNDATA1
CAM_MIPI_CLK_P	CAM_MIPI_CLK	CAM_MIPI_CLK	100OHMD	AE13	MIPIC_DPCLK
CAM_MIPI_CLK_N	CAM_MIPI_CLK	CAM_MIPI_CLK	100OHMD	AE14	MIPIC_DNCLK



SWI_DATA	AA19	SWI_BCTRL	11
DP_HPD	R19	DP_HPD	14
DP_PAD_AUXP	E27	DP_AUX P	14
DP_PAD_AUXN	E26	DP_AUX N	14
DP_PAD_DC_TP	A22	NC	
DP_PAD_R_BIAS	E25	DP R BIAS	
DP_PAD_TX0+	C27	DP DATA0	DPORT D0 ST 14
DP_PAD_TX0-	C26	DP DATA0	DPORT D0 ST 14
DP_PAD_TX1+	A25	DP DATA1	DPORT D1 ST 14
DP_PAD_TX1-	B25	DP DATA1	DPORT D1 ST 14
SMIA_RX_DATA+	AD14	SMIA D	SMIA D ST 16
SMIA_RX_DATA-	AD13	SMIA D	SMIA D ST 16
SMIA_RX_CLK+	AF14	SMIA CLK	SMIA CLK ST 16
SMIA_RX_CLK-	AG14	SMIA CLK	SMIA CLK ST 16

SYNC MASTER=N/A SYNC DATE=N/A

AP MIPI, DP, SMIA

Apple Inc.

051-8296

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7 OF 18

7 OF 33

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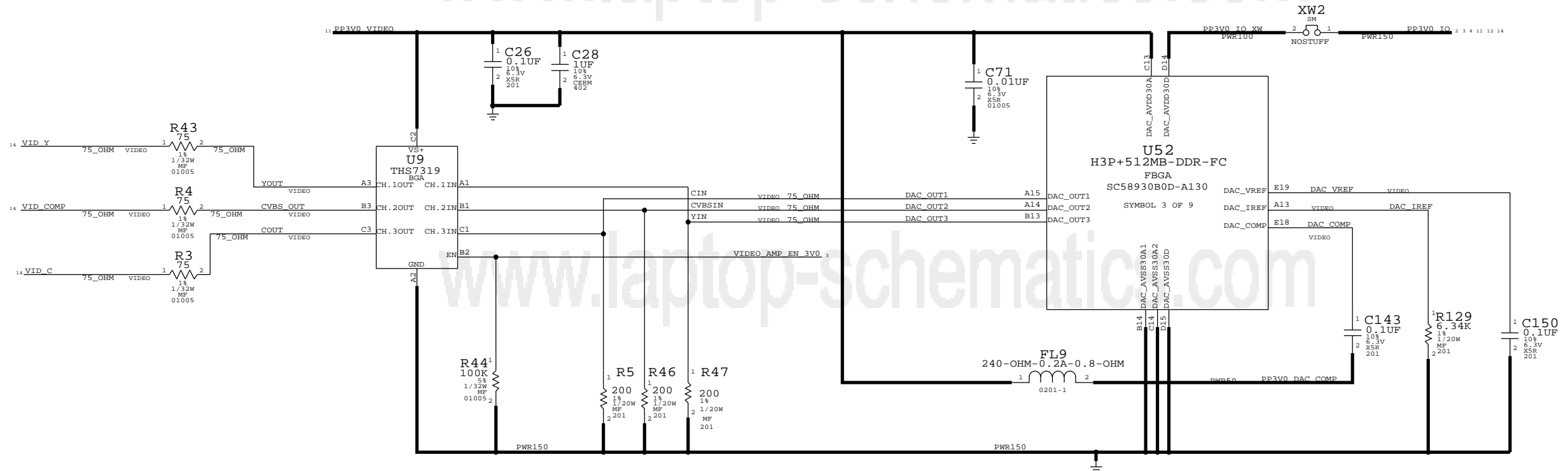
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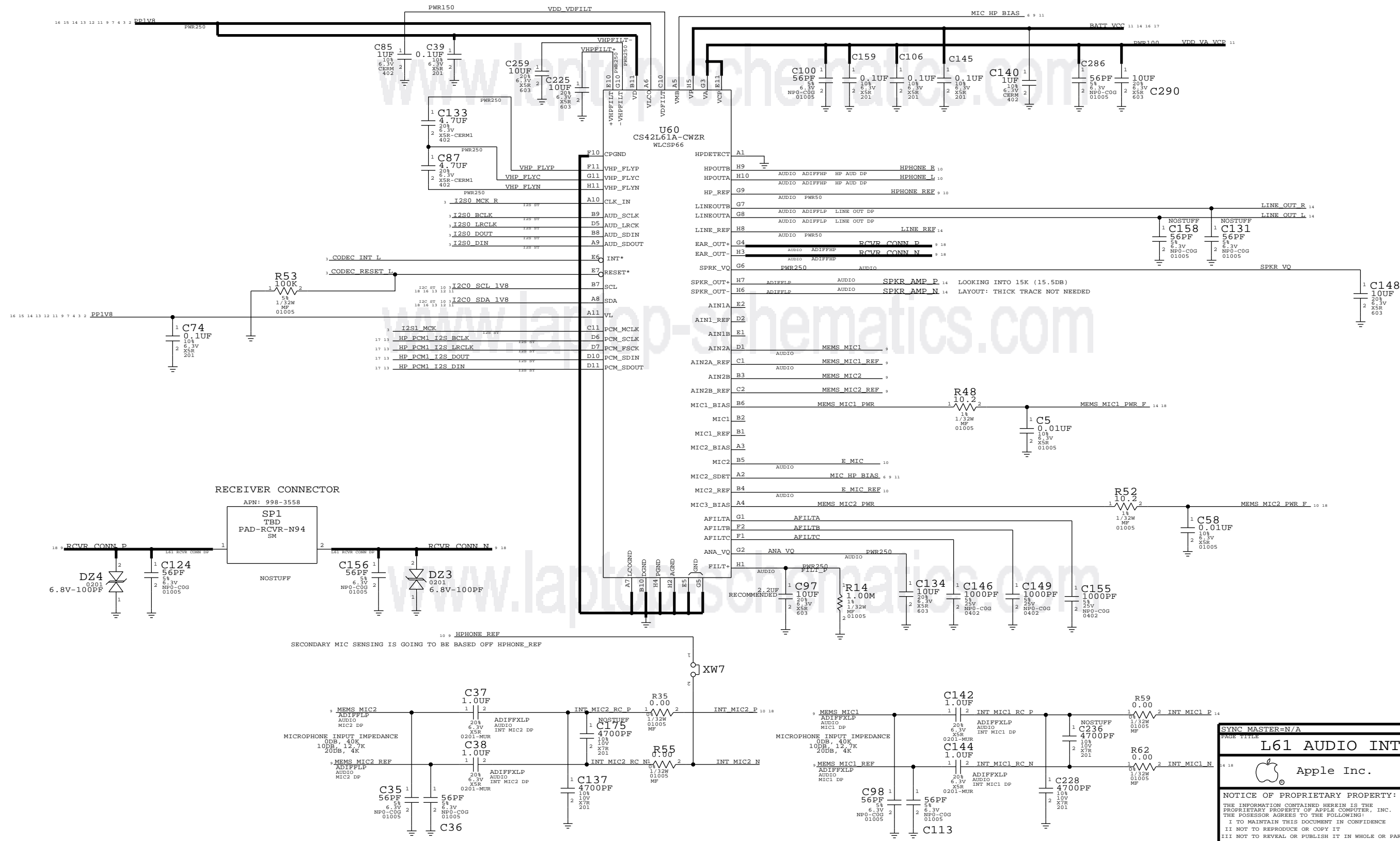


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AP TVOUT, COMPASS			
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		PAGE	8 OF 18
		SHEET	8 OF 33

8 7 6 5 4 3 2 1

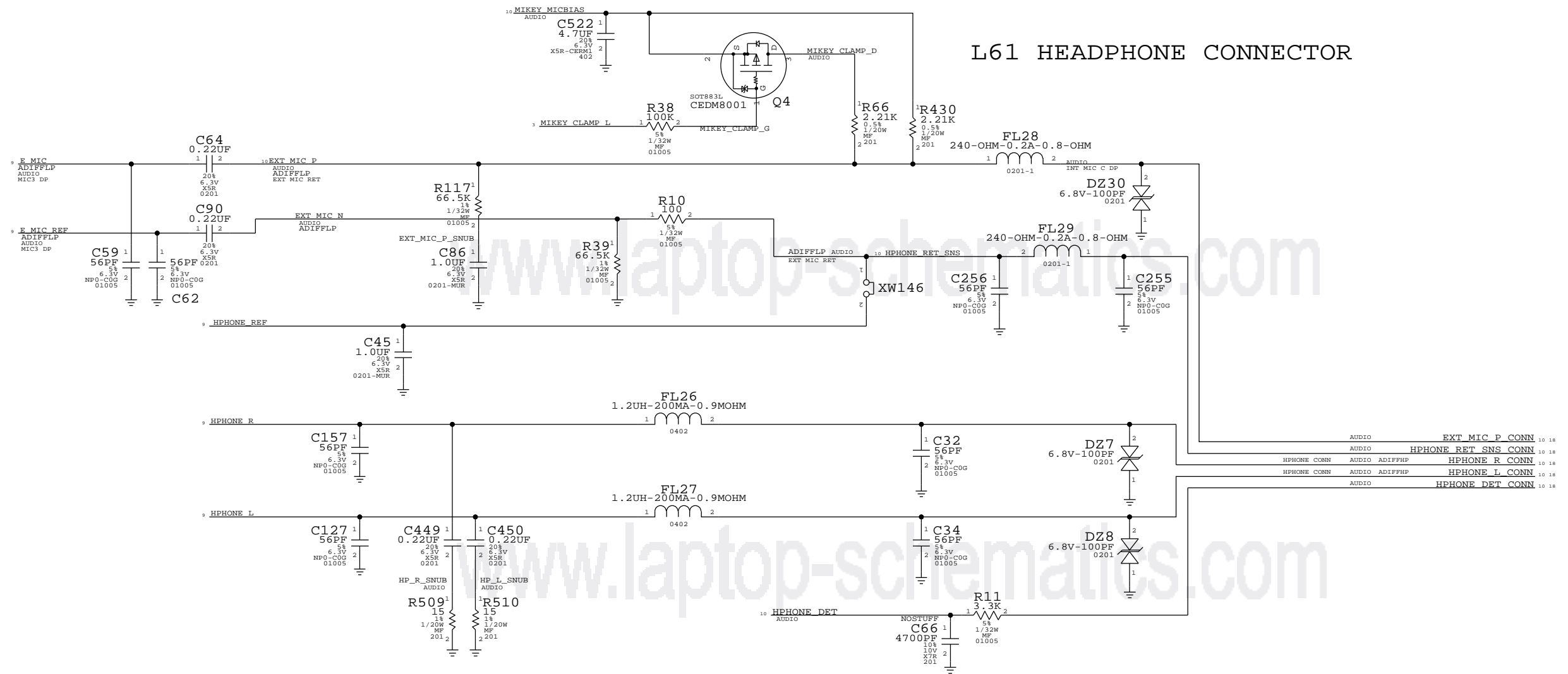
L61 AUDIO INTERFACE

I2C ADDRESS: 1001010X



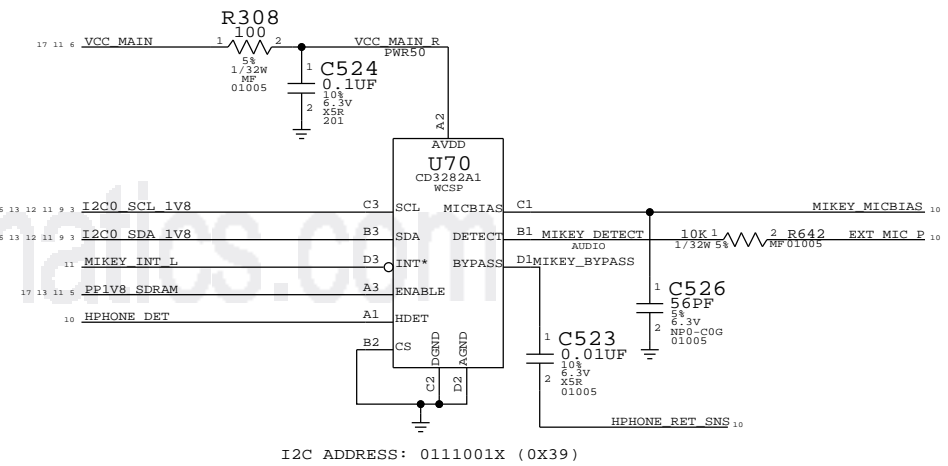
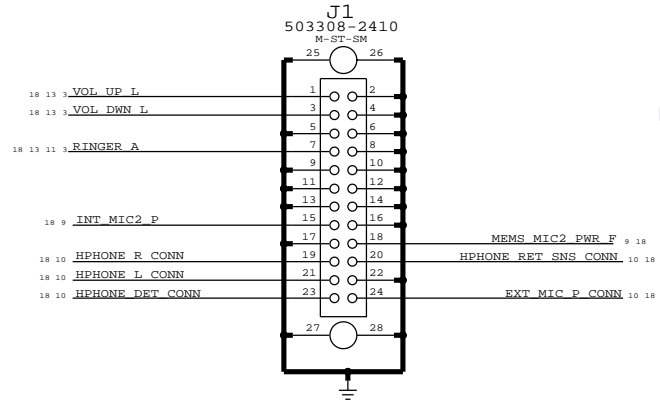
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		PAGE	9 OF 18
		SHEET	9 OF 33

L61 HEADPHONE CONNECTOR



BUTTON FLEX CONNECTOR

PART_NUMBER=516S0843



SYNC MASTER=N/A		SYNC DATE=N/A	
HEADPHONE FILTERS, MIKEY			
Apple Inc.		DRAWING NUMBER	051-8296
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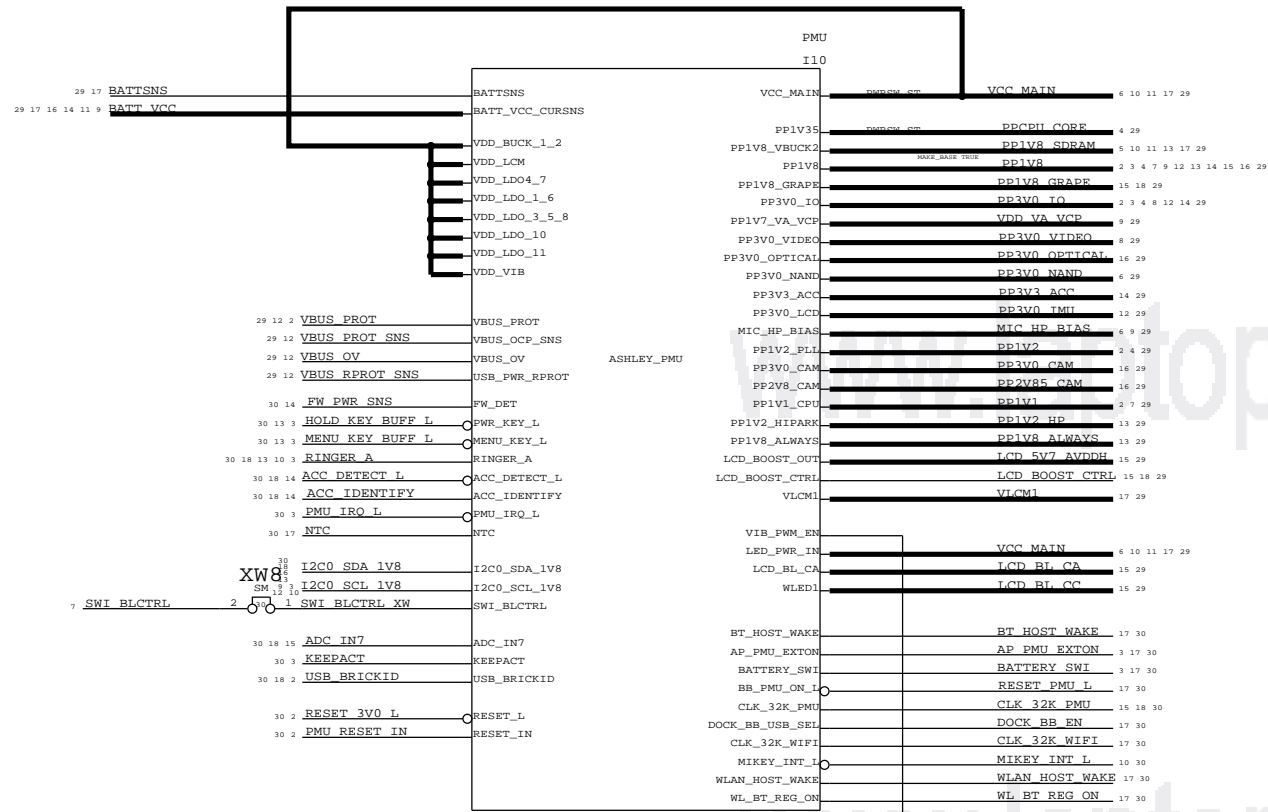
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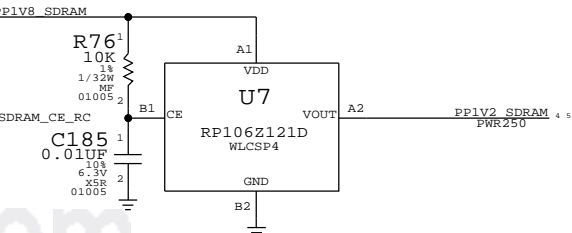
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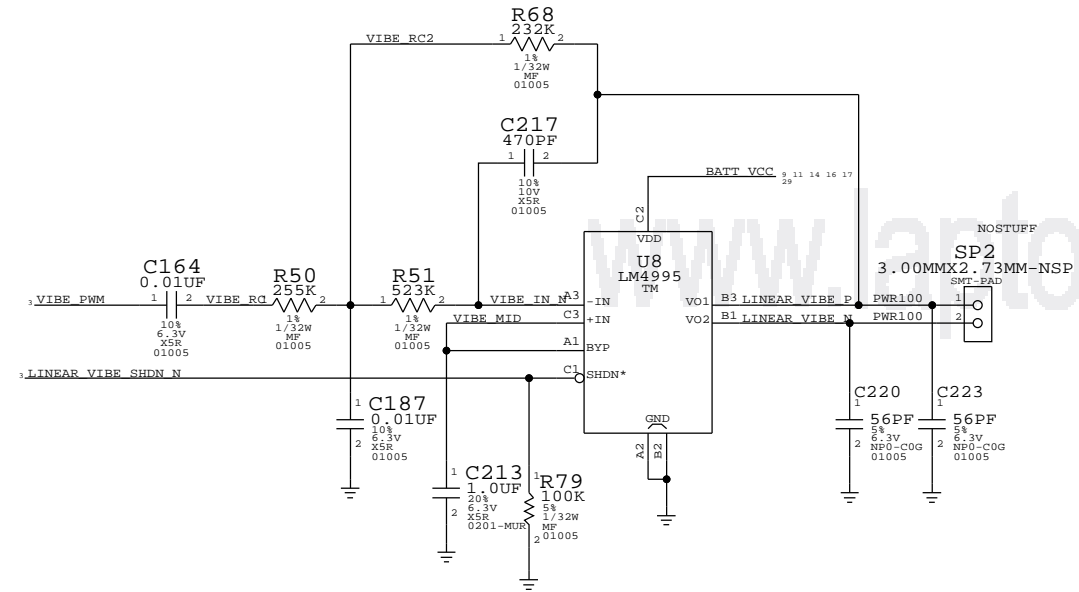


LOCATED ON PP 29 - 30

NOTE: THIS DELAYS STARTUP OF PPIV2_SDRAM BY 0.1MS



LINEAR VIBE DRIVE



SYNC MASTER=N/A		SYNC DATE=N/A	
ASHLEY PMU			
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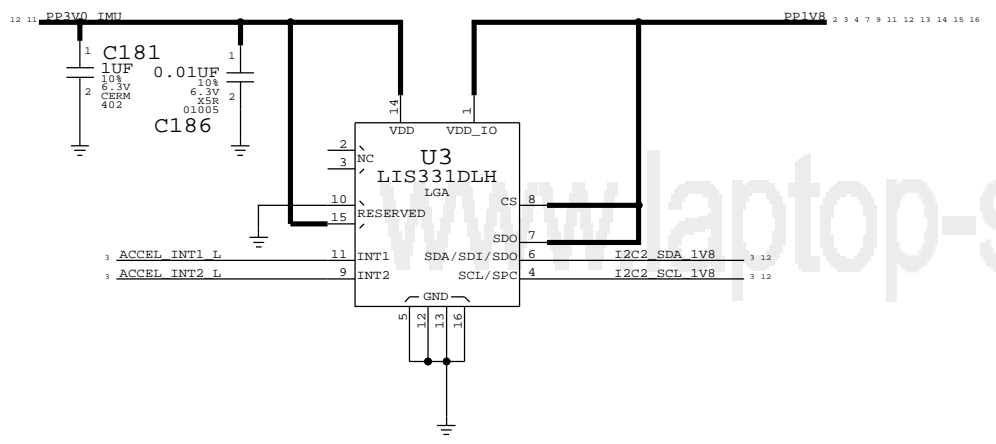
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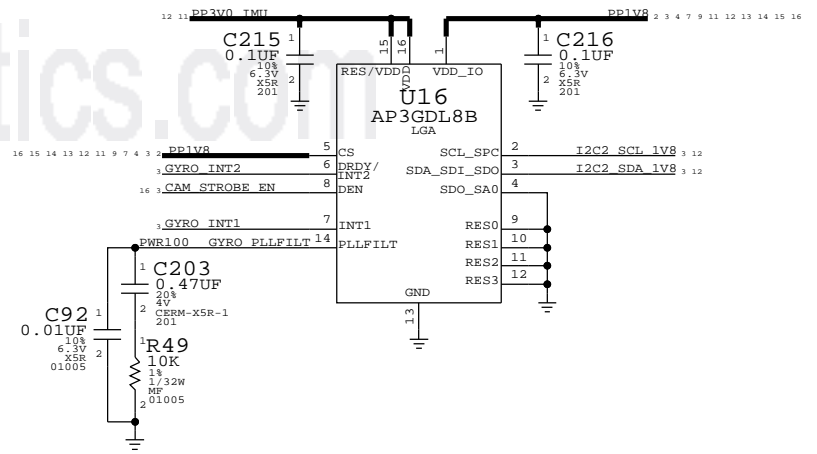
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ACCELEROMETER

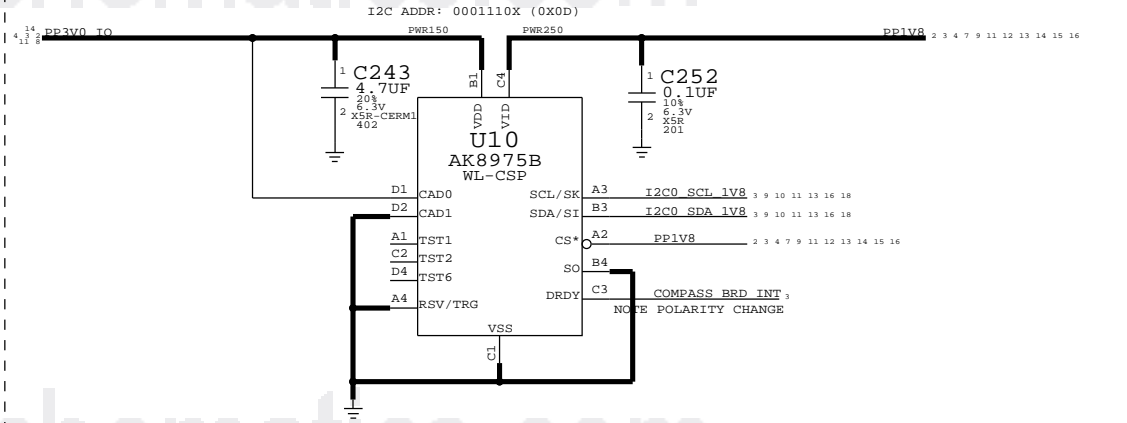
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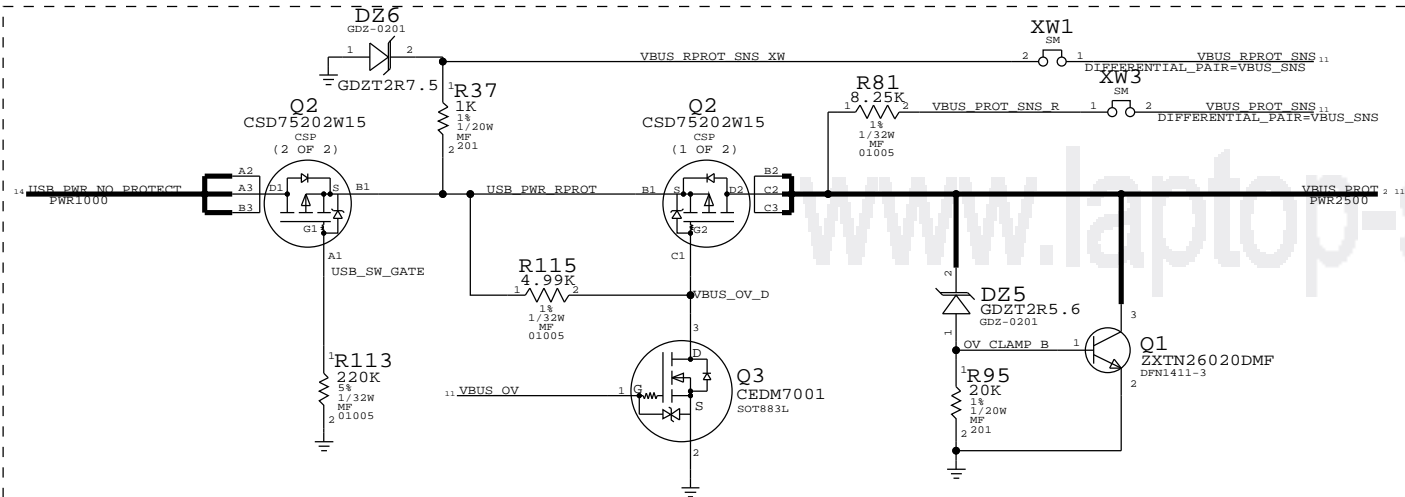
GYRO



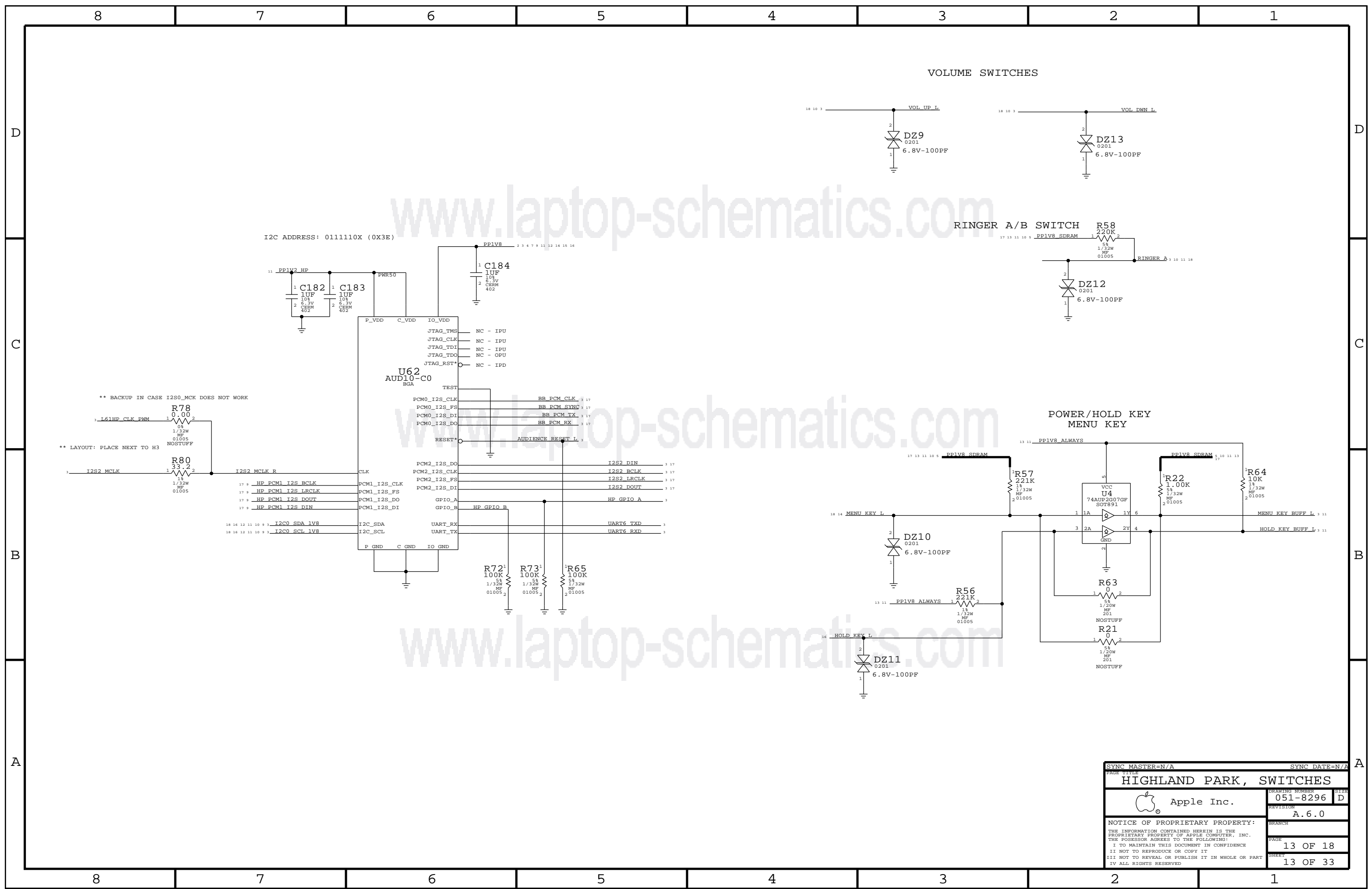
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USB OVER/REVERSE VOLTAGE PROTECTION

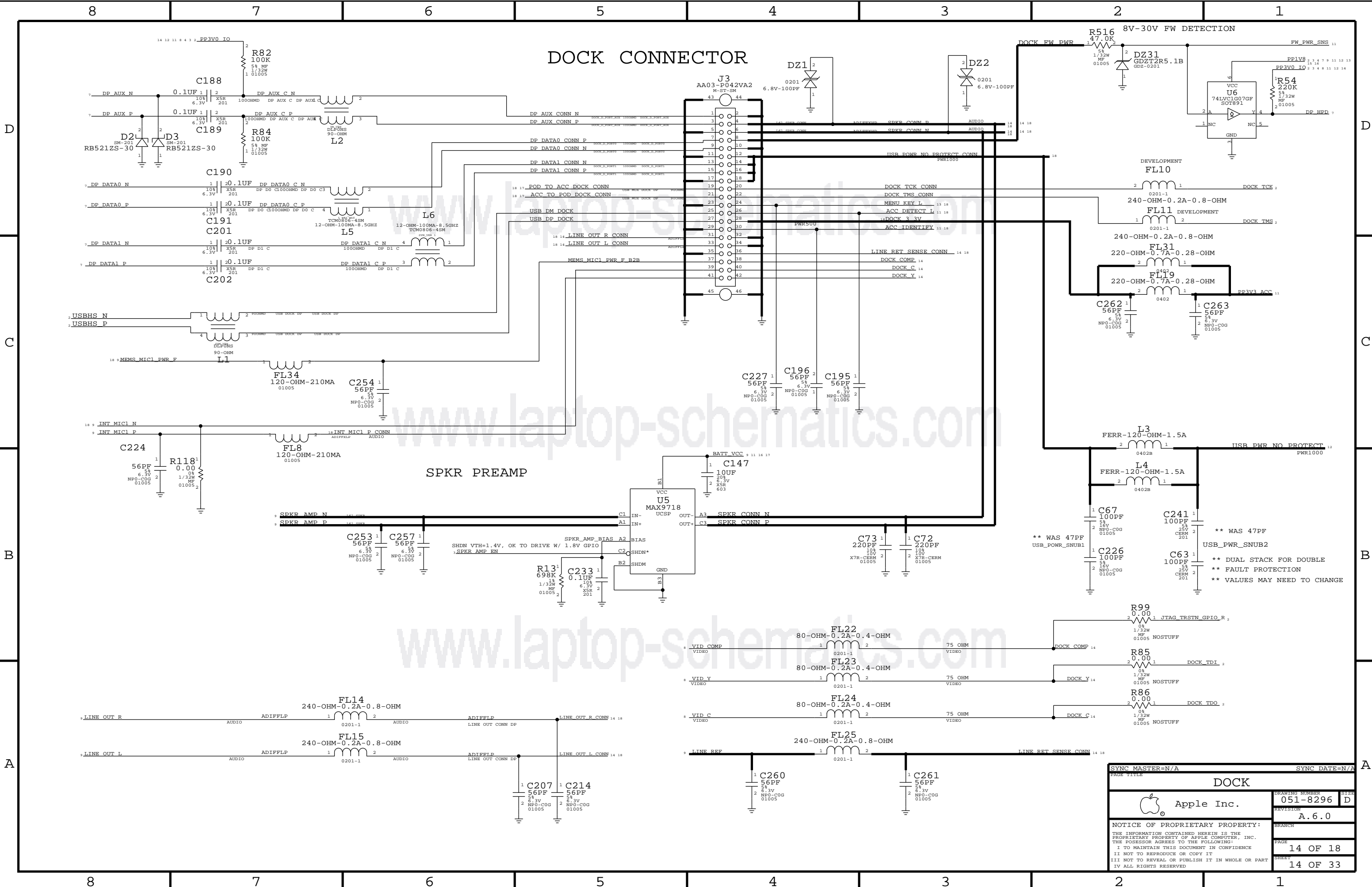


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PAGE TITLE SIM, ACCEL, VIBE, GYRO, COMPASS			
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PAGE 12 OF 18		SHEET 12 OF 33	



SYNC MASTER=N/A		SYNC DATE=N/A	
PAGE TITLE HIGHLAND PARK, SWITCHES			
DRAWING NUMBER 051-8296		SIZE D	
REVISION A.6.0		BRANCH	
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PAGE 13 OF 18		SHEET 13 OF 33	

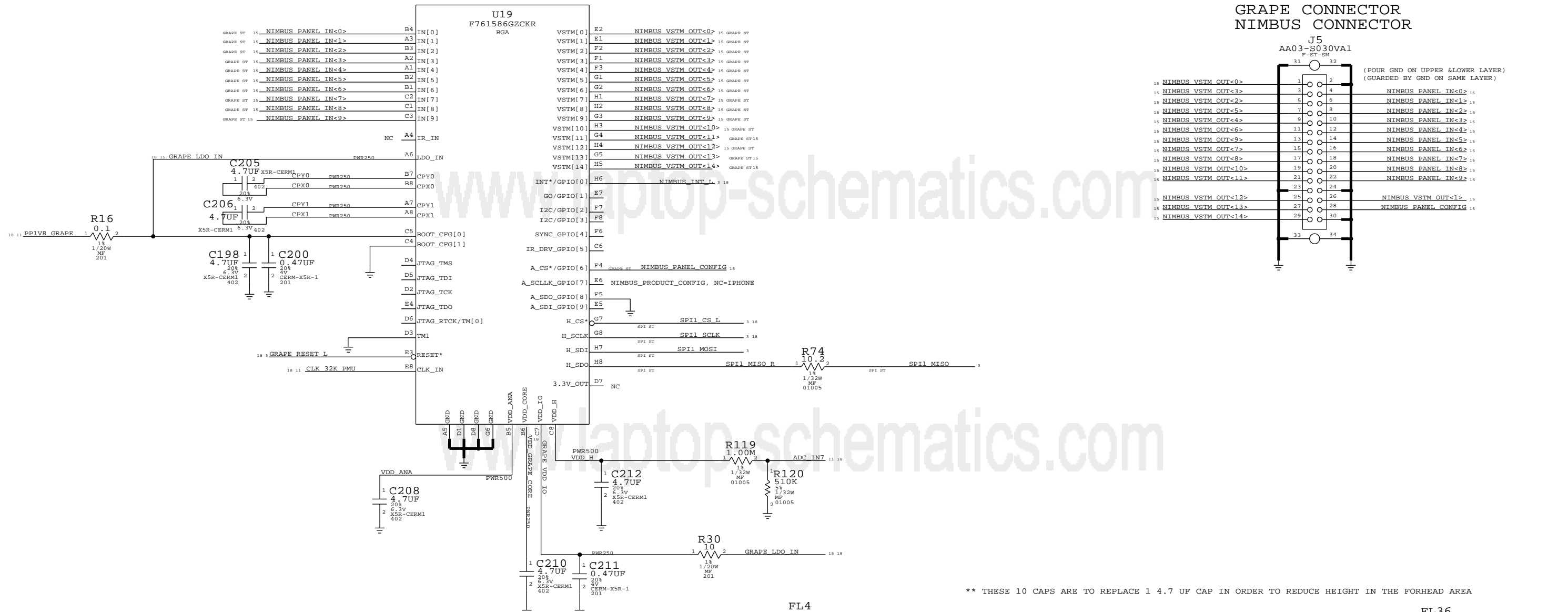
DOCK CONNECTOR



PAGE TITLE		SYNC DATE=N/A	
DOCK			
Apple Inc.		DRAWING NUMBER	SIZE
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		REVISION	
		BRANCH	
		PAGE	14 OF 18
		SHEET	14 OF 33

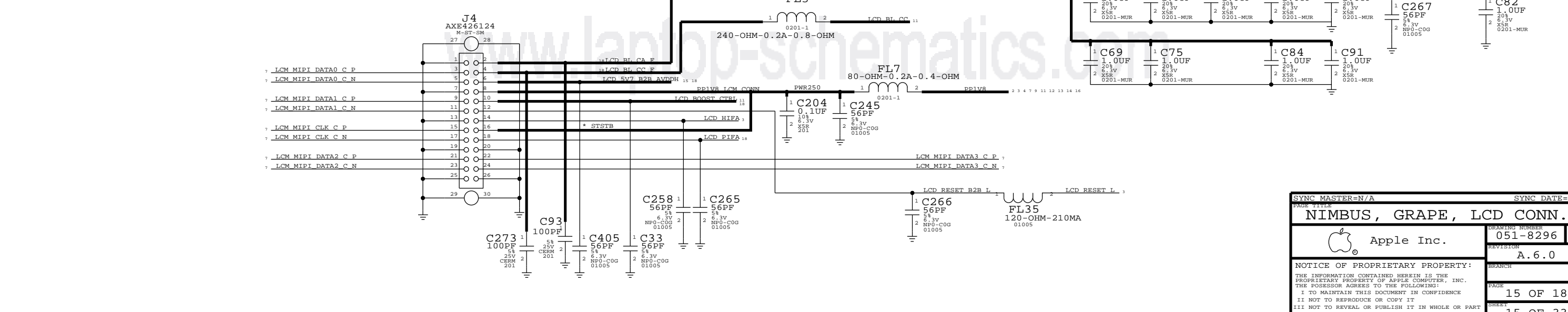
NIMBUS

GRAPE CONNECTOR NIMBUS CONNECTOR



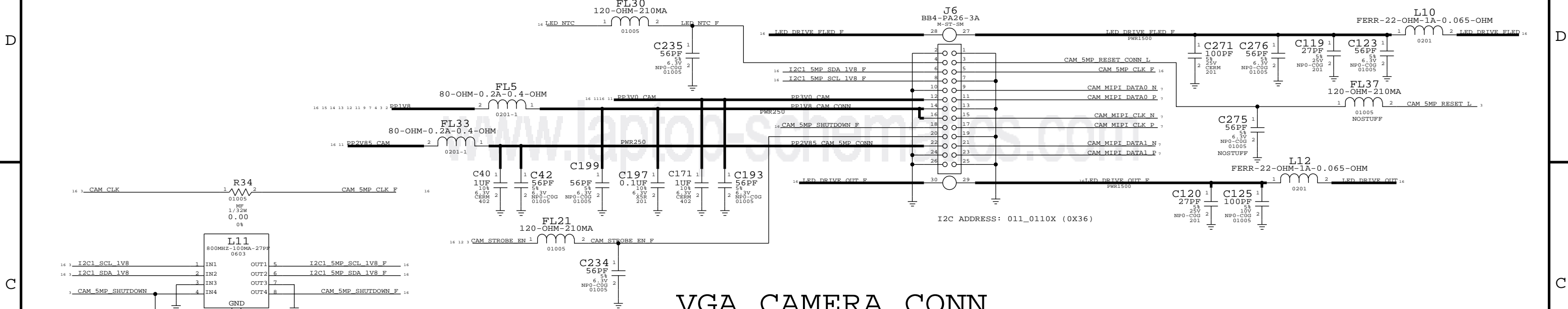
** THESE 10 CAPS ARE TO REPLACE 1 4.7 UF CAP IN ORDER TO REDUCE HEIGHT IN THE FORHEAD AREA

LCD CONNECTOR

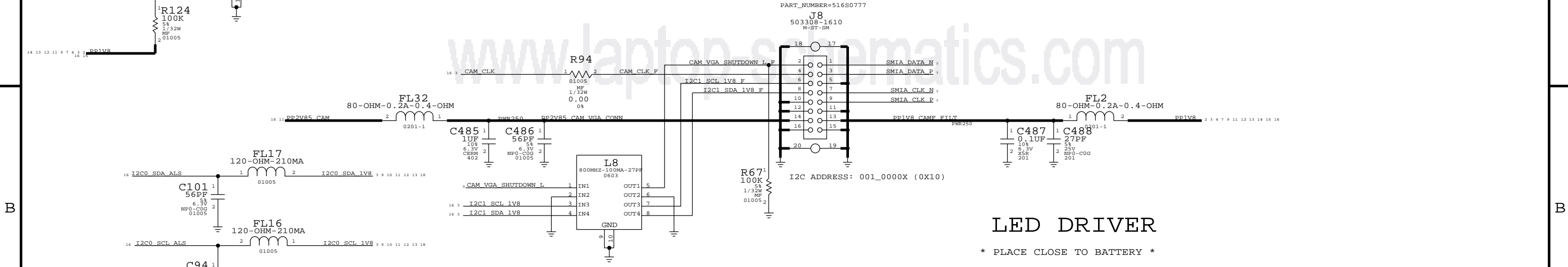


SYNC MASTER=N/A		SYNC DATE=N/A	
NIMBUS, GRAPE, LCD CONN.			
Apple Inc.		DRAWING NUMBER	SIZE
		051-8296	D
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		PAGE	15 OF 18
		SHEET	15 OF 33

5MP CAMERA CONNECTOR

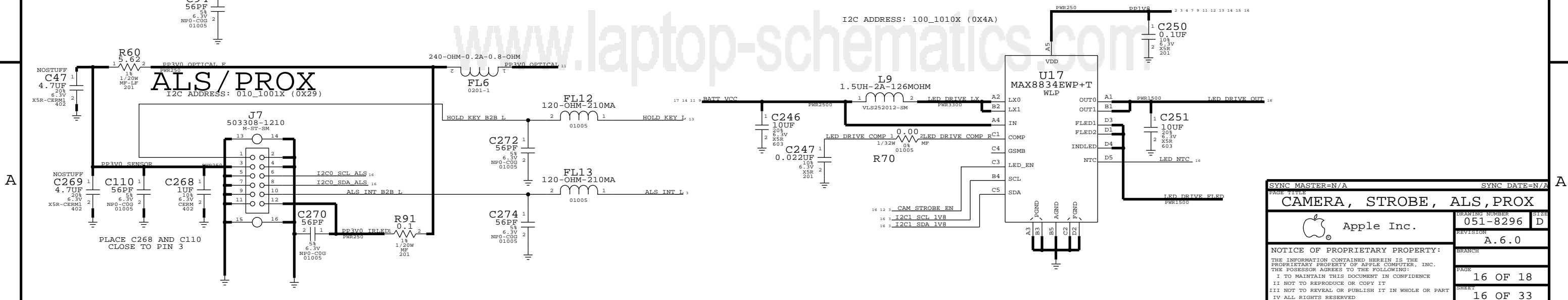


VGA CAMERA CONN



LED DRIVER

* PLACE CLOSE TO BATTERY *

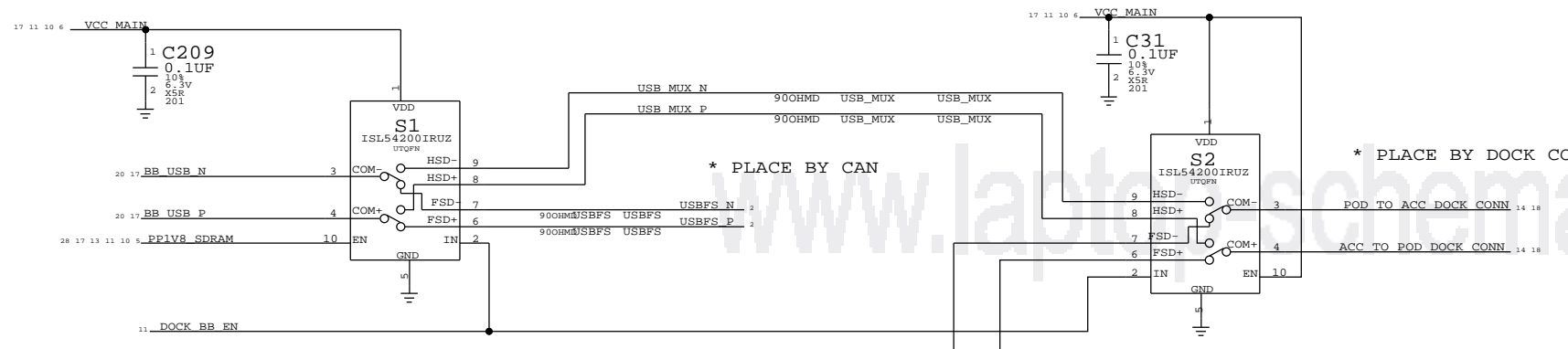


ALS/PROX

I2C ADDRESS: 010_1001X (0X29)

PLACE C268 AND C110 CLOSE TO PIN 3

PAGE TITLE		SYNC DATE=N/A	
CAMERA, STROBE, ALS, PROX		DRAWING NUMBER	SIZE
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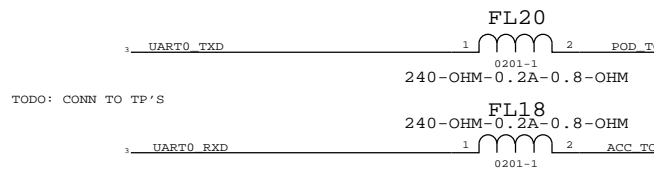


** IN, EN THRESHOLDS:
 1.4V < V(EN) < 0.5V WHEN VDD=2.7 TO 3.6V
 1.4V < V(IN) < 0.5V WHEN VDD=2.7 TO 3.6V

** NOT CHARACTERIZED AT VDD > 3.6 V BUT
 VDD RANGE IS 2.7V < VDD < 5.5V

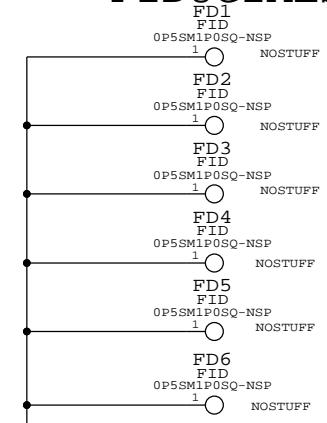
AP/RADIO INTERFACE

23 16 14 11 9	BATT_VCC	PWR2500	BATT_VCC
25 11	BATTSNS		BATTSNS
	NTC		NTC
25 11 9	BATTERY SWI		GAS_GAUGE
25 18 7	RESET L		RF_RESET_N
23 3	RADIO ON L		RADIO_ON_N
23 11	RESET PMU L		RESET_PMU_N
20 4	BB RESET L		BB_RST_N
20 4	BB RESET DET L		RESET_DET_N
20 3	SPI2 MRDY		IPC_MRDY
20 4	SPI2 SRDY		IPC_SRDY
20 4	SPI2 SCLK		IPC_SCLK
20 4	SPI2 MOSI		IPC_MOSI
20 4	SPI2 MISO		IPC_MISO
20 4	BB EMRGNCY DWLD		BB_EMRGNCY_DWLD
20 11 3	AP PMU EXTON		AP_PMU_EXTON
20 11 3	IPC GPIO2		IPC_GPIO2
20 11 3	VLCM1		BB_USB_VBUS
20 17	BB USB P		BB_USB_DATA_P
20 17	BB USB N		BB_USB_DATA_N
20 4	UART1_RXD		BB_UART_TXD
20 4	UART1_TXD		BB_UART_RXD
20 4	UART1_CTS_L		BB_UART_RTS_N
20 4	UART1_RTS_L		BB_UART_CTS_N
20 13 4	BB_PCM_CLK		BB_PCM_CLK
20 13 4	BB_PCM_SYNC		BB_PCM_SYNC
20 13 4	BB_PCM_TX		BB_PCM_TX
20 13 4	BB_PCM_RX		BB_PCM_RX
20 13 4	I2S2_BCLK		BB_I2S2_CLK
20 13 4	I2S2_LRCLK		BB_I2S2_WA0
20 13 4	I2S2_DIN		BB_I2S2_TX
20 13 4	I2S2_DOUT		BB_I2S2_RX
28 17 13 11 10 5	PPIV8_SDRAM		WL_BT_VDDIO
25 11	WL_BT_REG_ON		WL_BT_REG_ON
25 11	CLK_32K_WIFI		CLK32K_AP
25 4	WLAN_RESET_L		WLAN_RESET_N
28 4	WLAN_SDIO_CLK		WLAN_SDIO_CLK
28 4	WLAN_SDIO_CMD		WLAN_SDIO_CMD
28 4	WLAN_SDIO_DATA<3..0>		WLAN_SDIO_DATA<3..0>
28 11	WLAN_HOST_WAKE		HOST_WAKE_WLAN
28 11	BT_HOST_WAKE		HOST_WAKE_BT
25 4	BT_RESET_L		BT_RESET_N
25 4	BT_WAKE		BT_WAKE
25 4	UART3_RXD		BT_UART_TXD
25 4	UART3_TXD		BT_UART_RXD
25 4	UART3_CTS_L		BT_UART_RTS_N
25 4	UART3_RTS_L		BT_UART_CTS_N
28 13 4	HP_PCM1_I2S_BCLK		BT_PCM_CLK
28 13 4	HP_PCM1_I2S_LRCLK		BT_PCM_SYNC
28 13 4	HP_PCM1_I2S_DIN		BT_PCM_OUT
28 13 4	HP_PCM1_I2S_DOUT		BT_PCM_IN

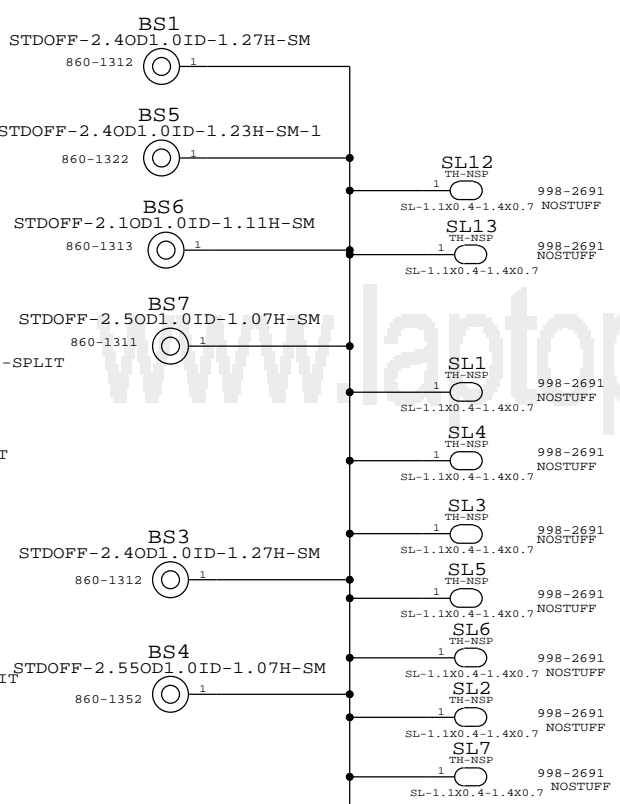


TODO: CONN TO TP'S

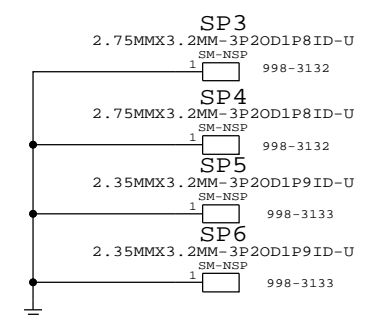
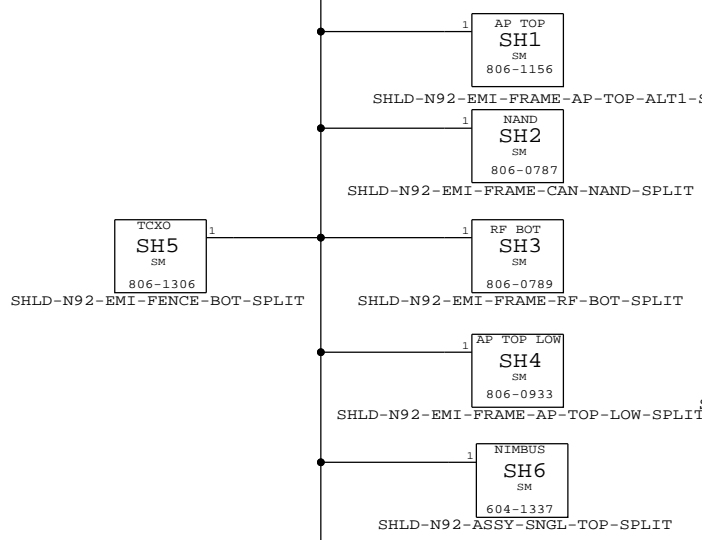
FIDUCIALS



STANDOFFS

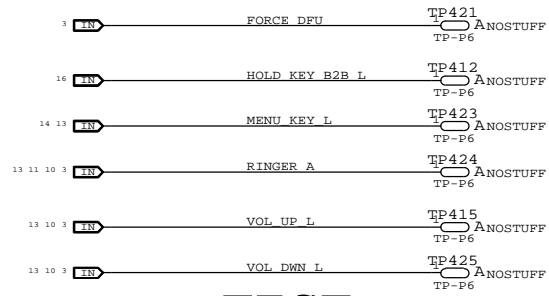


SHIELDS



SYNC MASTER=N/A		SYNC DATE=N/A	
RADIO CONNECTIVITY			
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		PAGE	17 OF 18
		SHEET	17 OF 33

GPIO

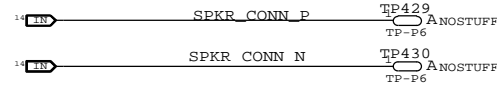


TEST

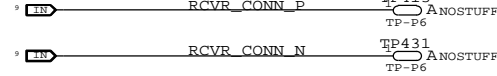


AUDIO

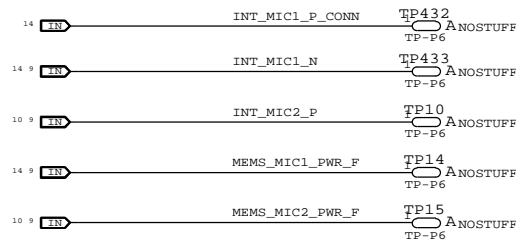
SPEAKER



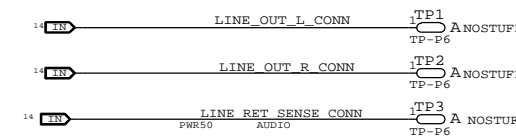
RECEIVER



MIC



LINE OUT

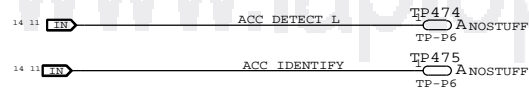


TEST POINTS

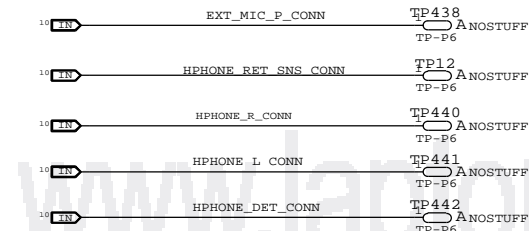
RESET



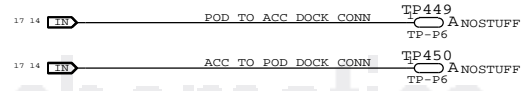
ACCESSORY DETECT



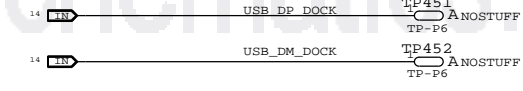
HEADPHONE



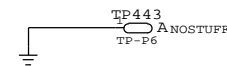
UART



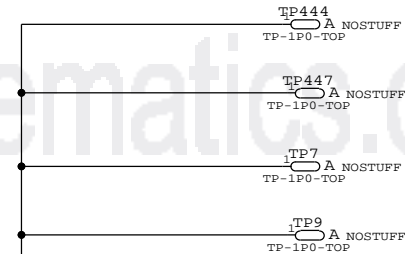
USB



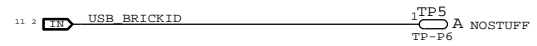
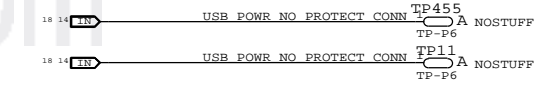
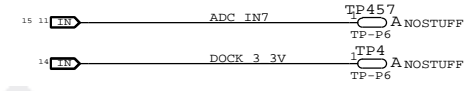
SIGNAL GND (SENSE)



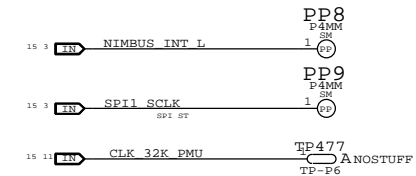
POWER GND



POWER

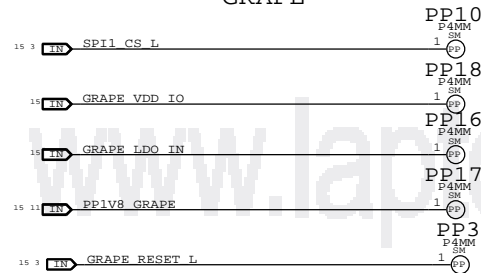


GRAPE

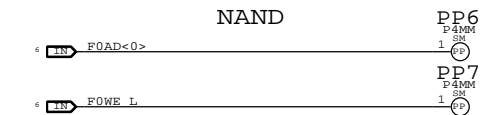


PROBE POINTS

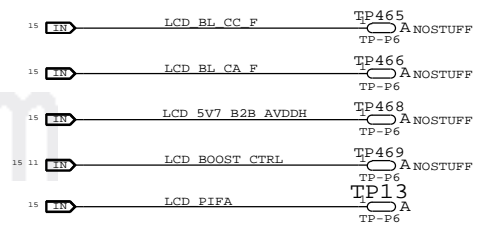
GRAPE



NAND



LCM



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8

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2

1

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

REV	ECN	DESCRIPTION OF REVISION	CK APPD	DATE
				2010-12-22

N92 RADIO_MLB (PHOENIX)

RADIO_MLB - 12/17/10: SUBDESIGN

PAGE	CONTENTS
02	BASEBAND
03	BASEBAND MEMORY
04	BASEBAND POWER
05	POWER1: CONTROL
06	POWER2: DIGITAL, ANALOG, RF
07	AP INTERFACE AND DEBUG CONNECTOR
08	RX DIVERSITY & GPS LNA
09	RX & TX RF CHAIN
10	WIFI/BLUETOOTH RADIO

DRAWING TITLE		N92 RADIO MLB (PHOENIX)	
DRAWING NUMBER		051-8296	SIZE D
REVISION		A.6.0	
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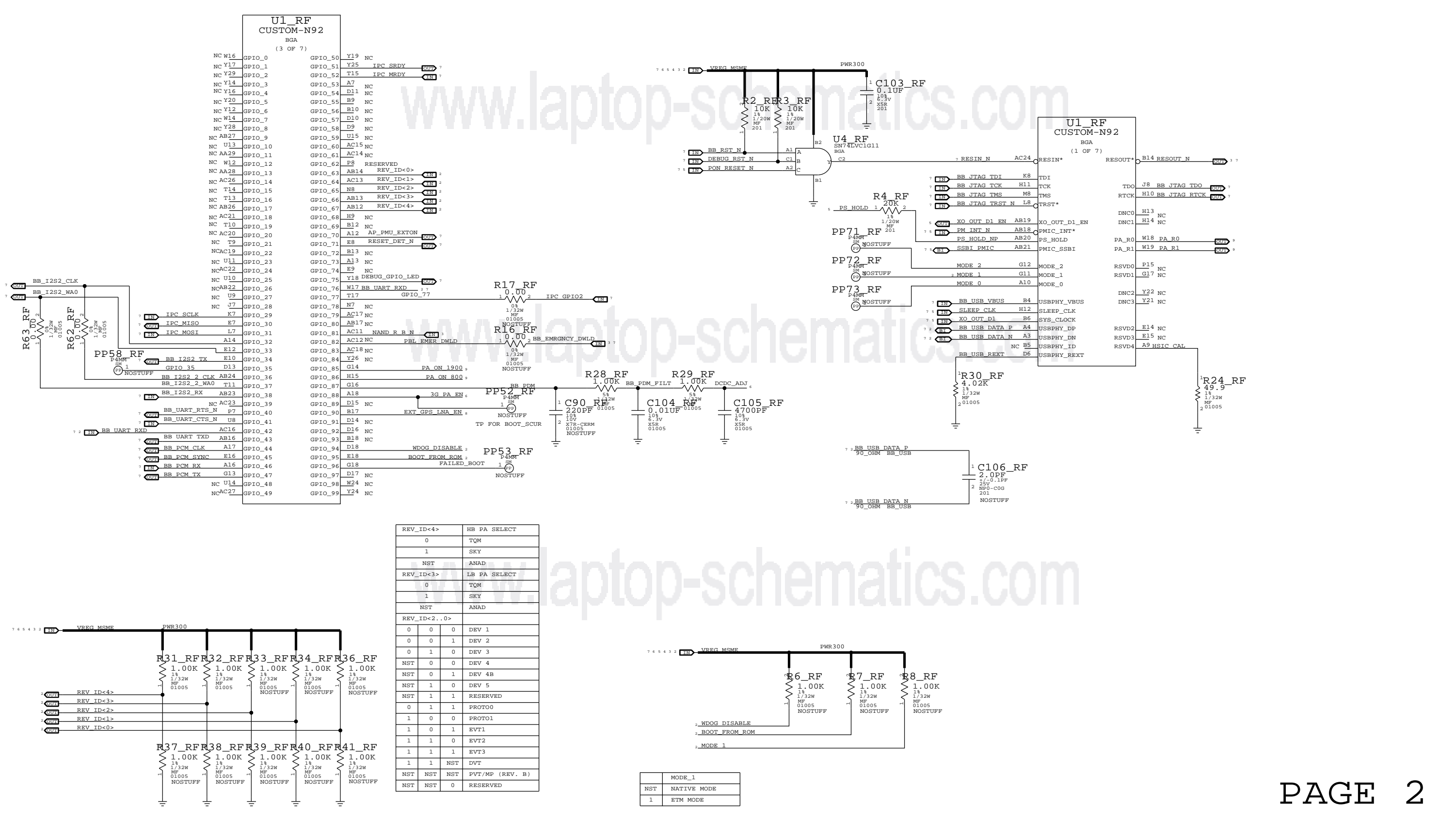
4

3

2

1

BASEBAND



REV_ID<4>	HB PA SELECT
0	TQM
1	SKY
NST	ANAD
REV_ID<3>	LB PA SELECT
0	TQM
1	SKY
NST	ANAD
REV_ID<2..0>	
0 0 0	DEV 1
0 0 1	DEV 2
0 1 0	DEV 3
NST 0 0	DEV 4
NST 0 1	DEV 4B
NST 1 0	DEV 5
0 1 1	PROTO0
1 0 0	PROTO1
1 0 1	EVT1
1 1 0	EVT2
1 1 1	EVT3
1 1 1	NST DVT
NST NST	PVT/MP (REV. B)
NST NST	RESERVED

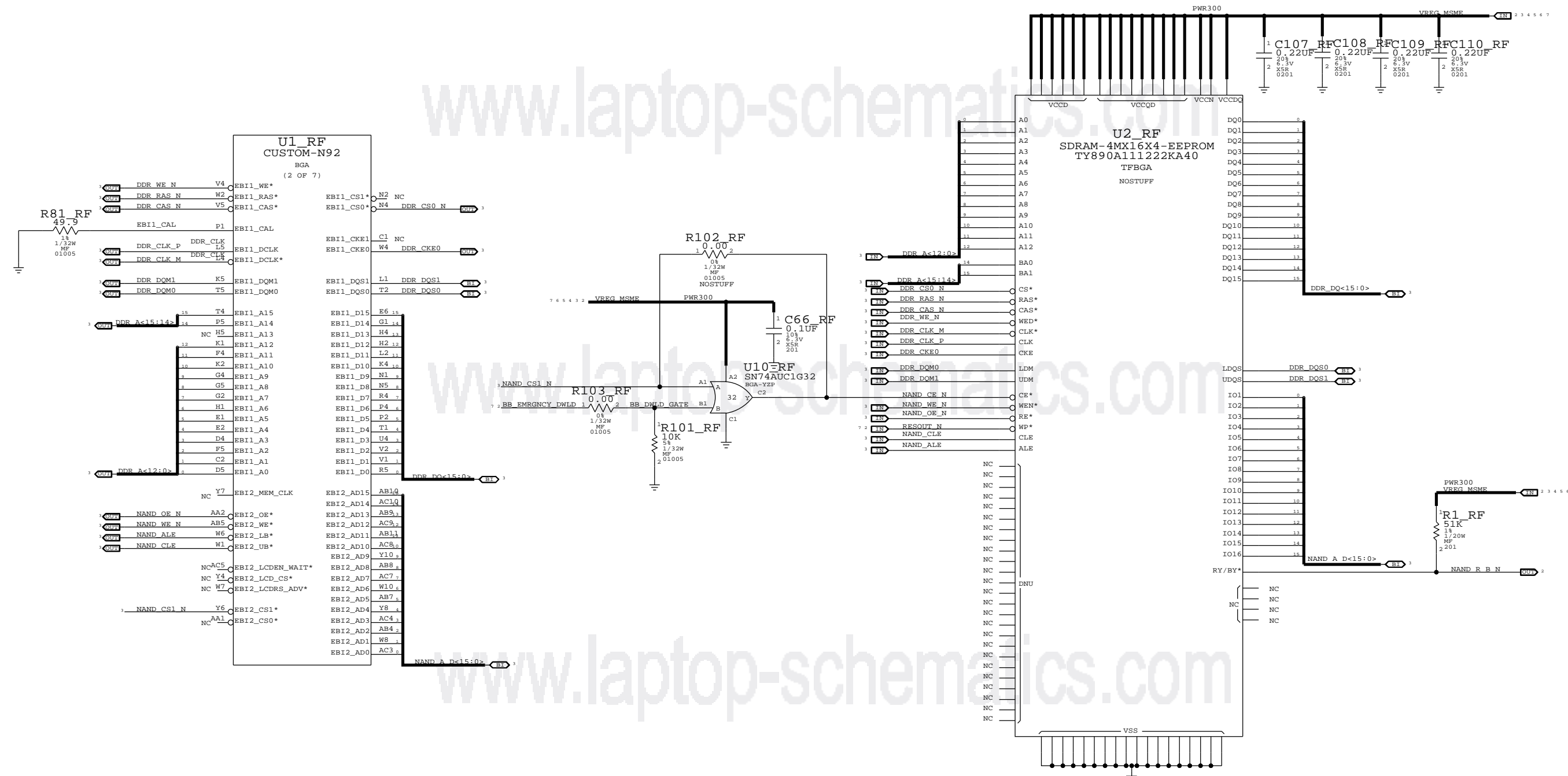
NST	MODE_1
NST	NATIVE MODE
1	ETM MODE

BASEBAND MEMORY

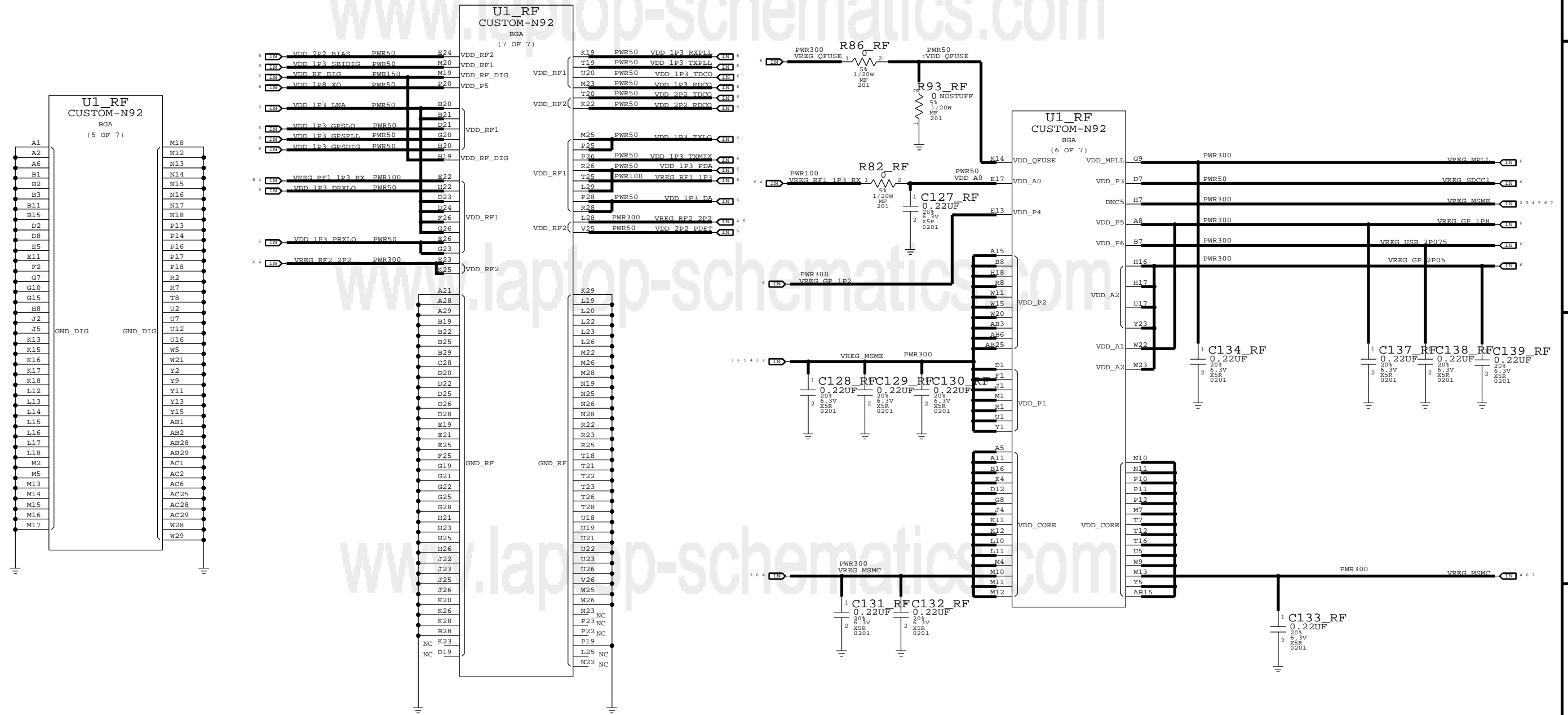
www.laptop-schematics.com

www.laptop-schematics.com

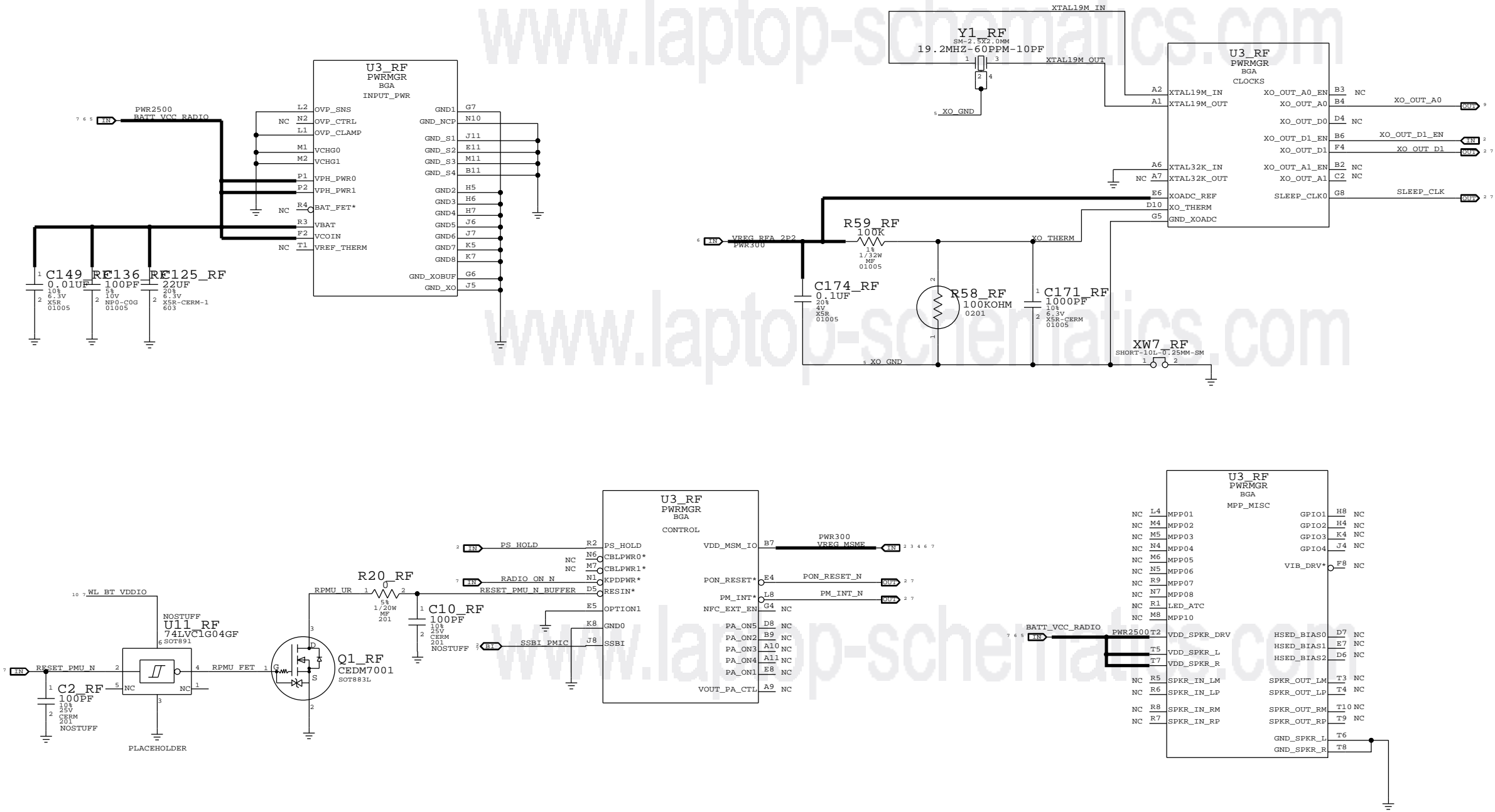
www.laptop-schematics.com



BASEBAND POWER

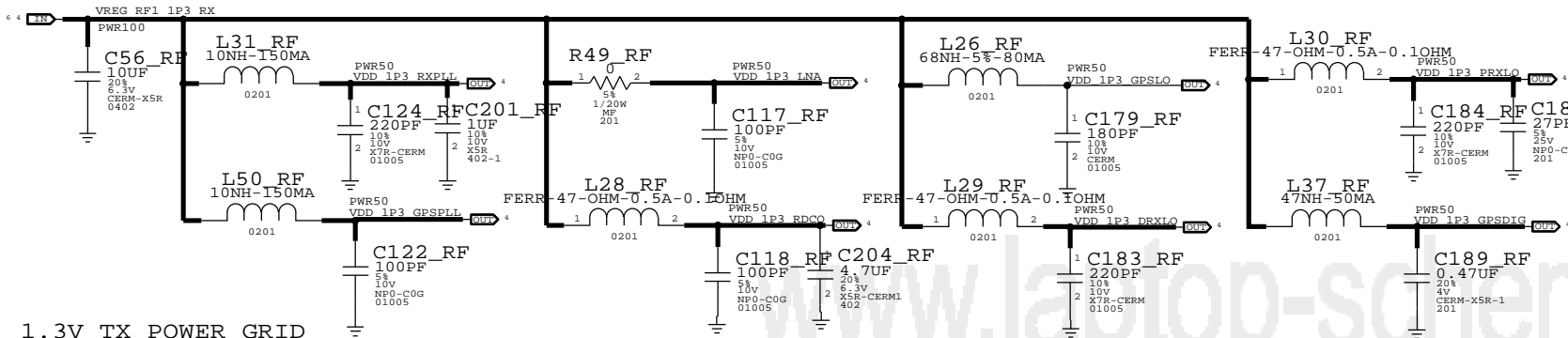


POWER1: CONTROL

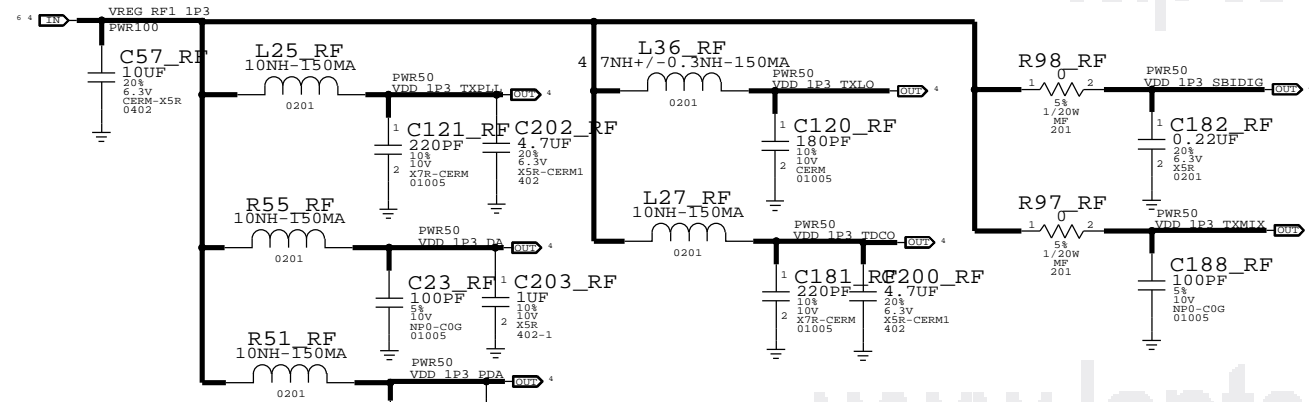


POWER2: DIGITAL, ANALOG, RF

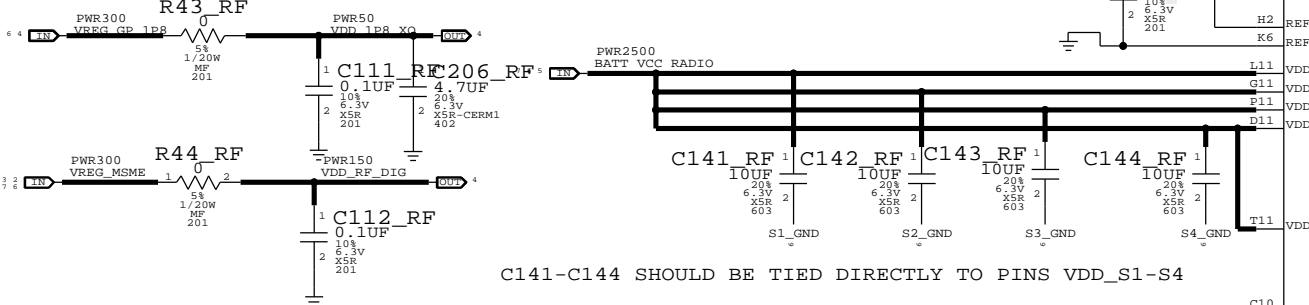
1.3V RX POWER GRID



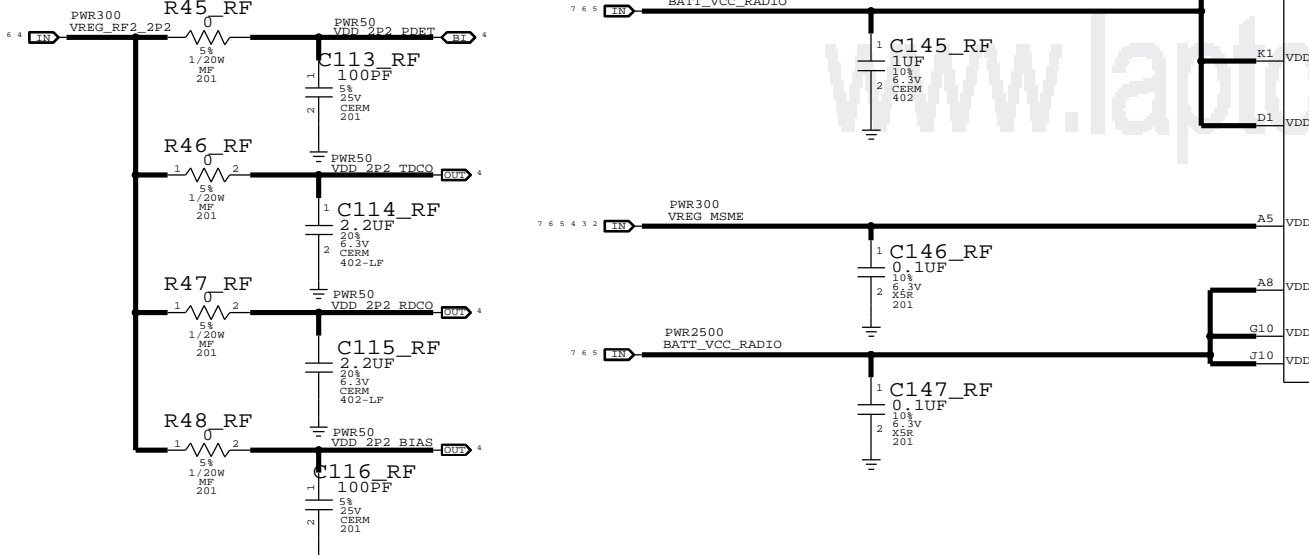
1.3V TX POWER GRID



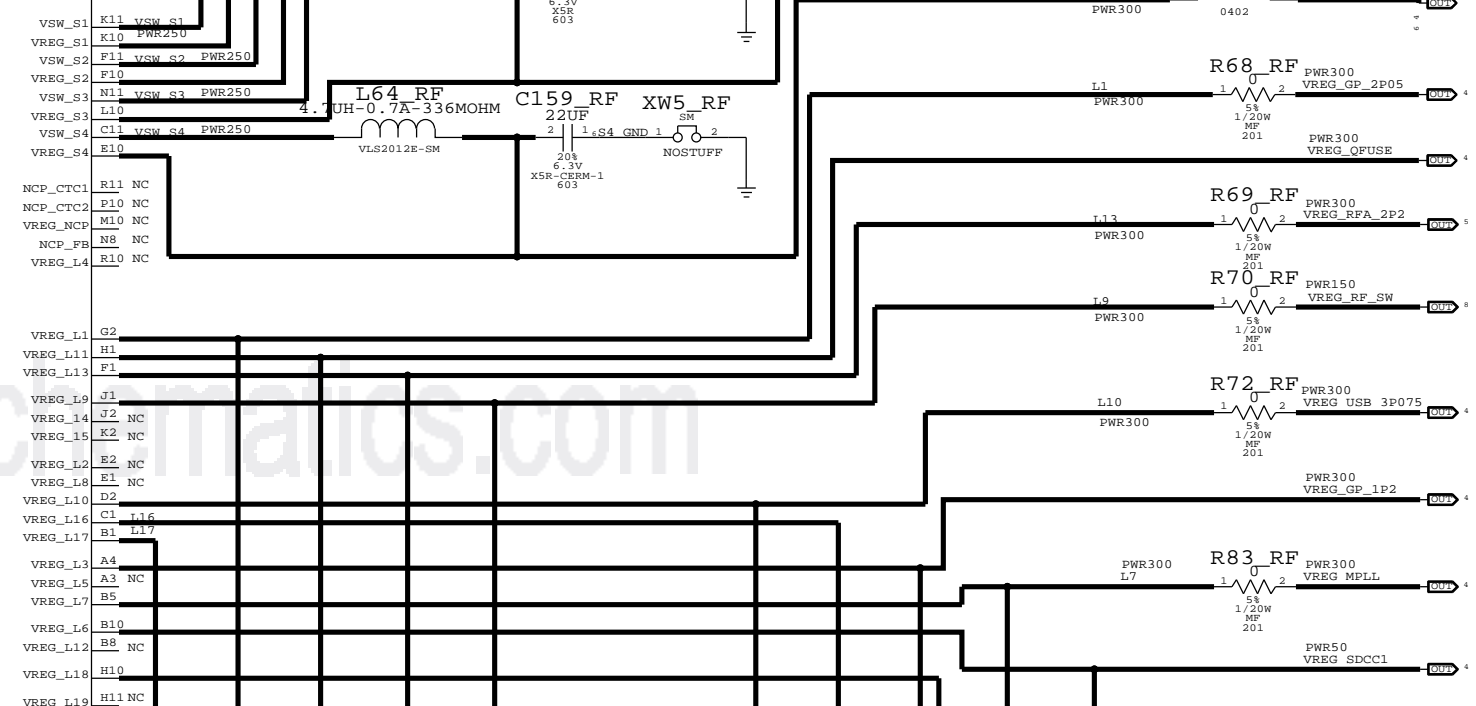
1.8V POWER GRID



2.2V POWER GRID

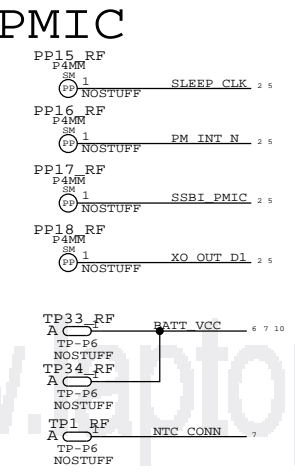
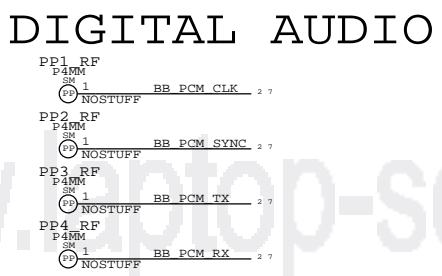
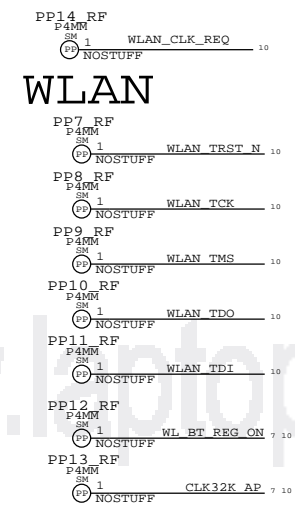
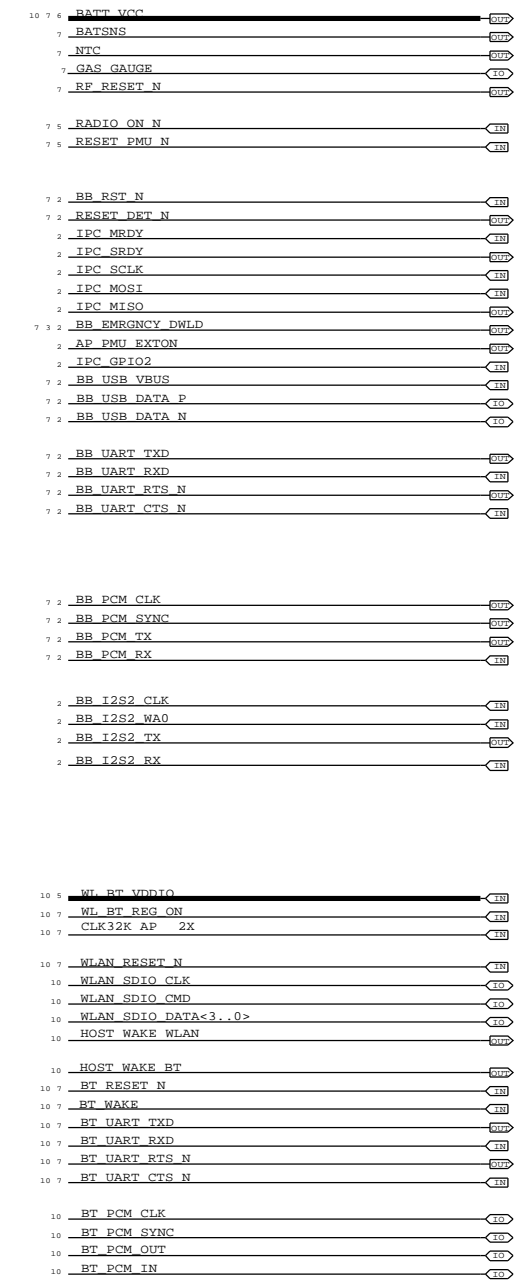


C141-C144 SHOULD BE TIED DIRECTLY TO PINS VDD_S1-S4

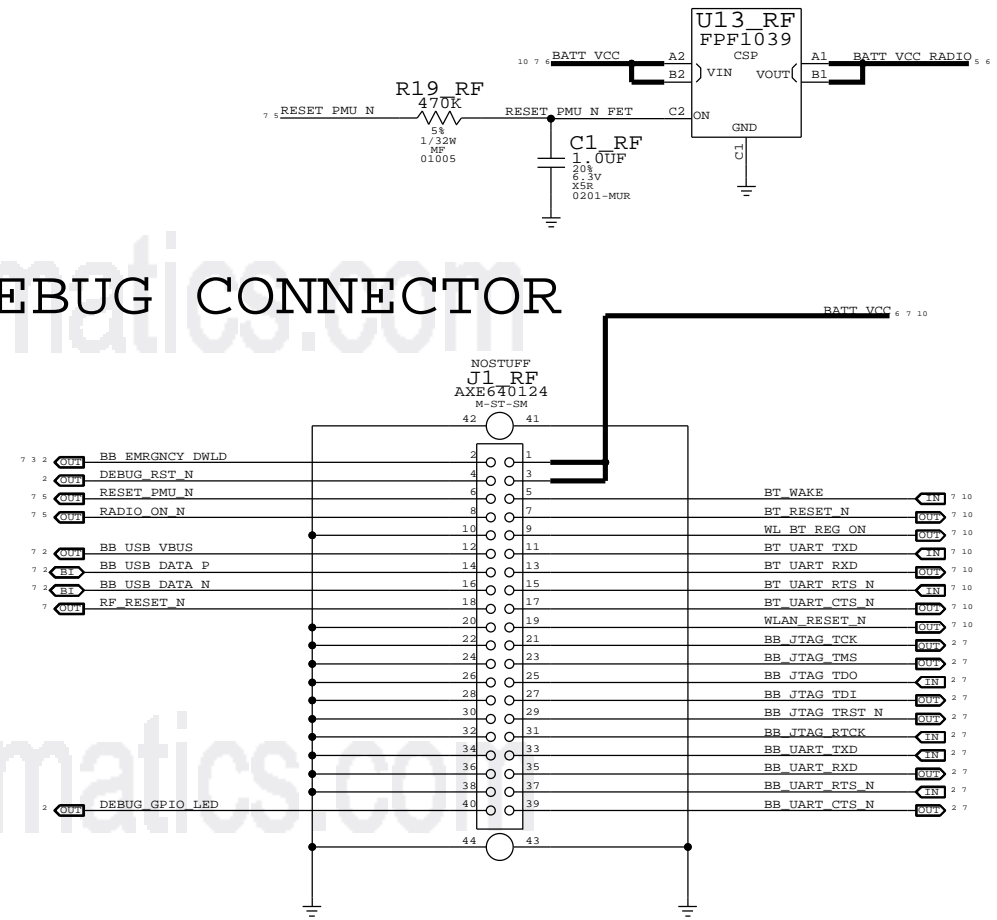


SYSTEM CONNECTORS

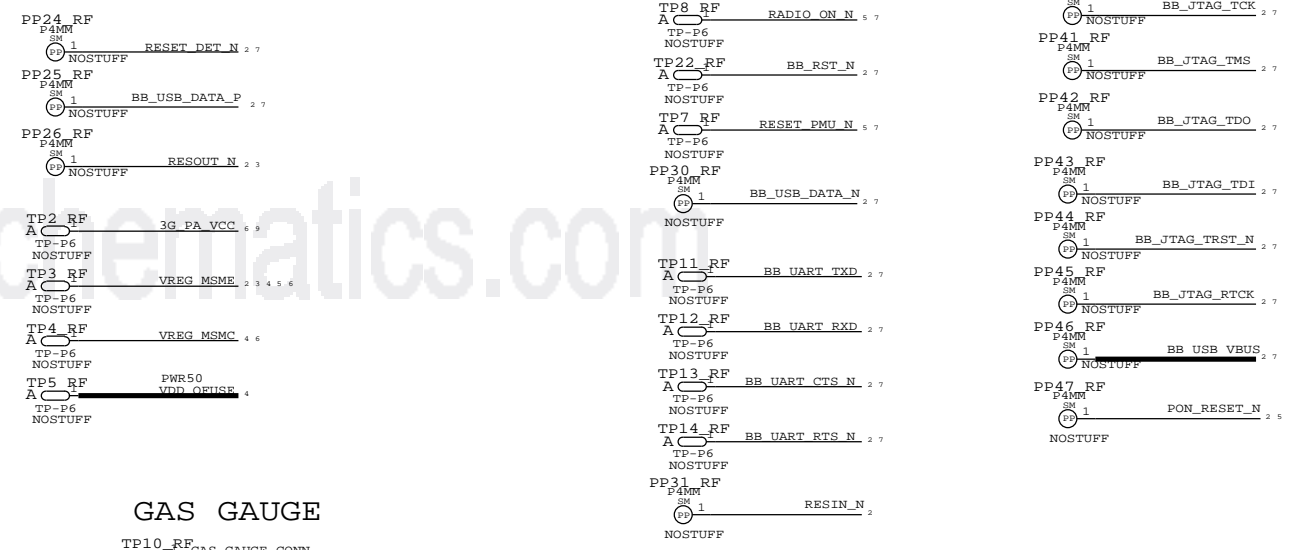
AP CONNECTIONS



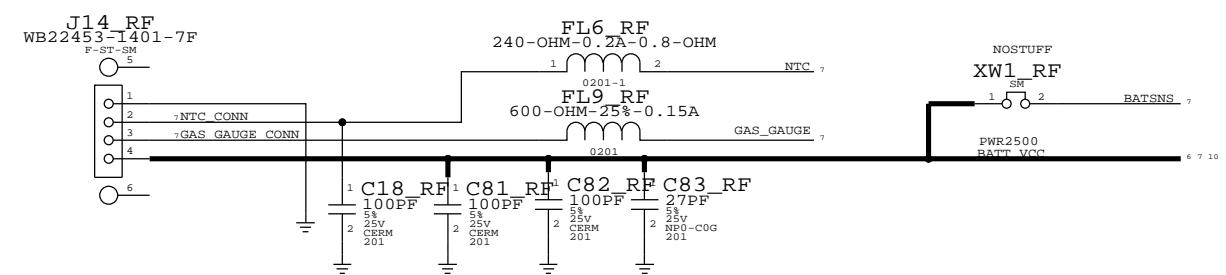
DEBUG CONNECTOR



CONTROL

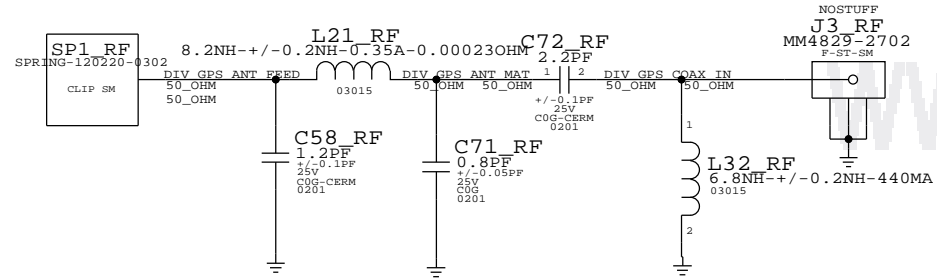


GAS GAUGE

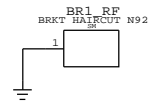


RX DIVERSITY & GPS LNA

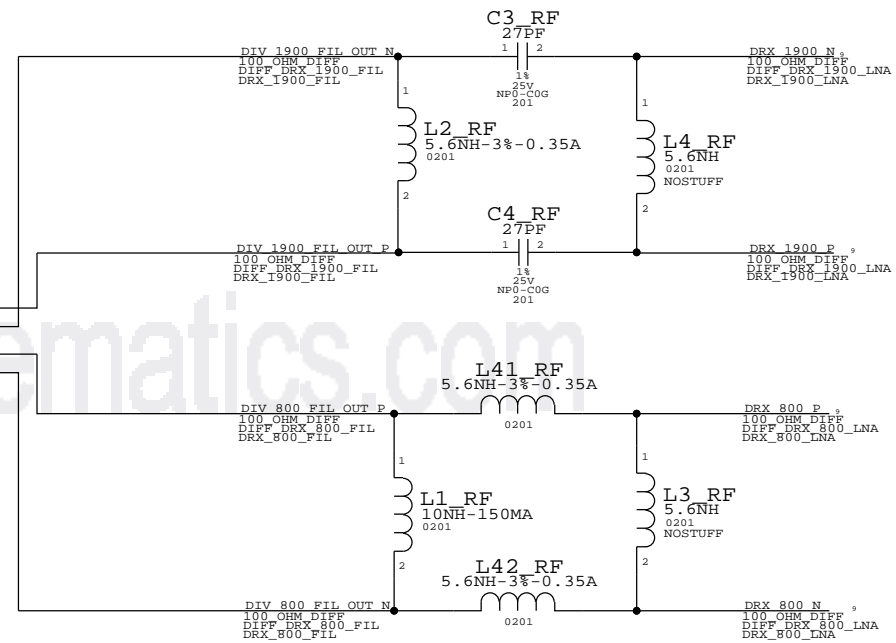
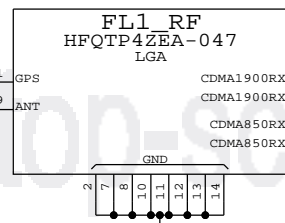
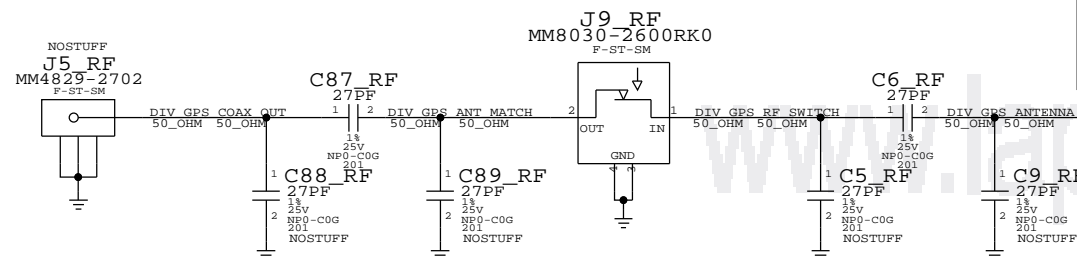
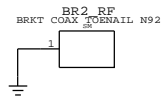
UPPER ANTENNA SPRING



UPPER COAX CABLE STRAIN RELIEF



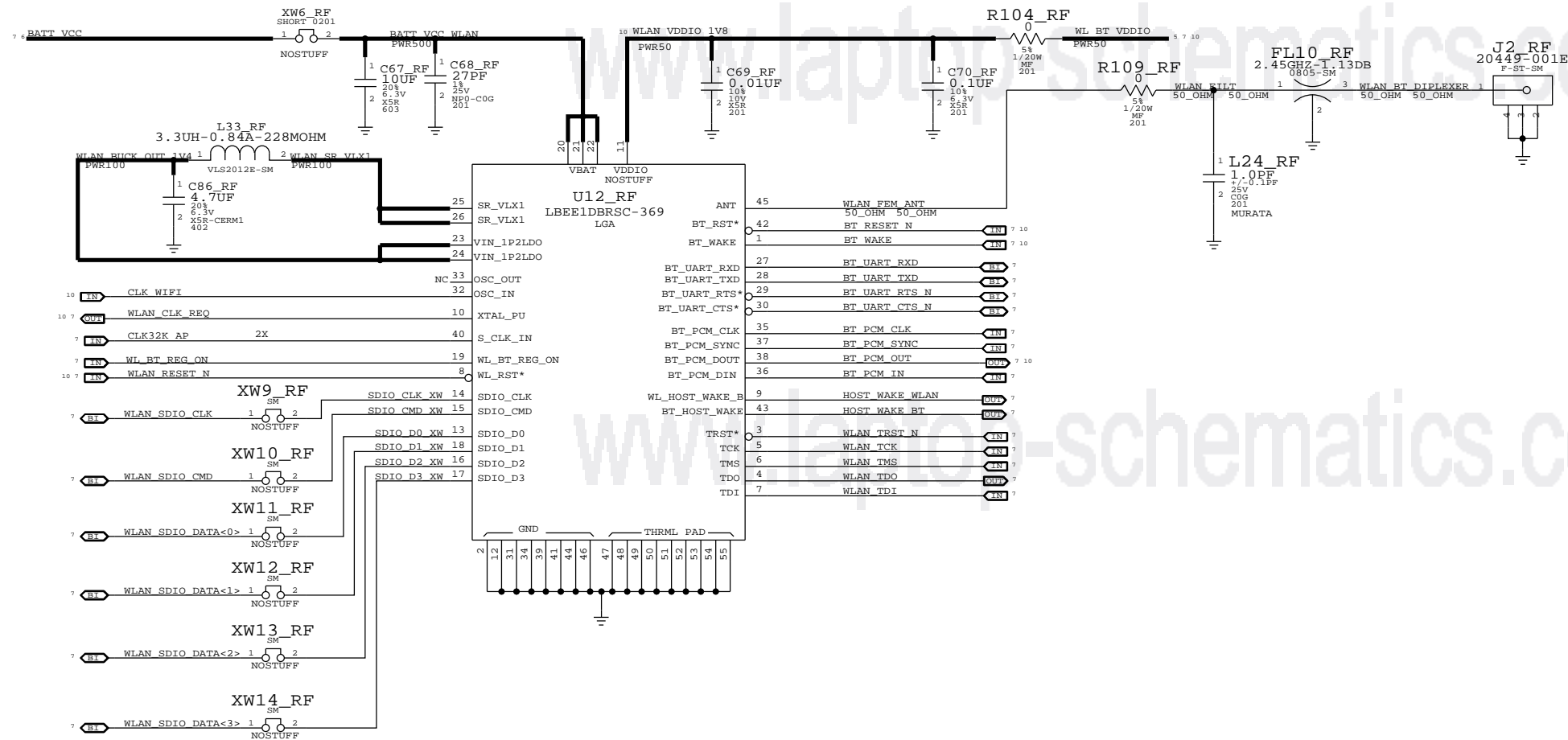
LOWER COAX CABLE STRAIN RELIEF



WLAN/BLUETOOTH RADIO

PLACE R19/C70 FILTER OUTSIDE WLAN CAN NEAR SOURCE OF WL_BT_VDDIO ON AP SIDE

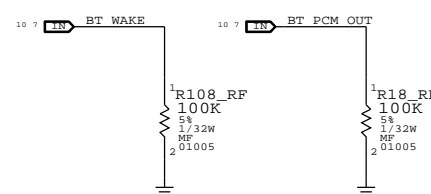
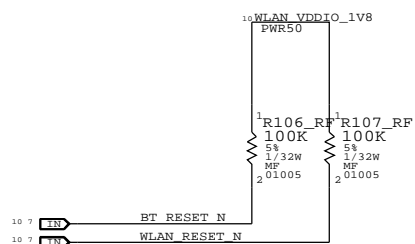
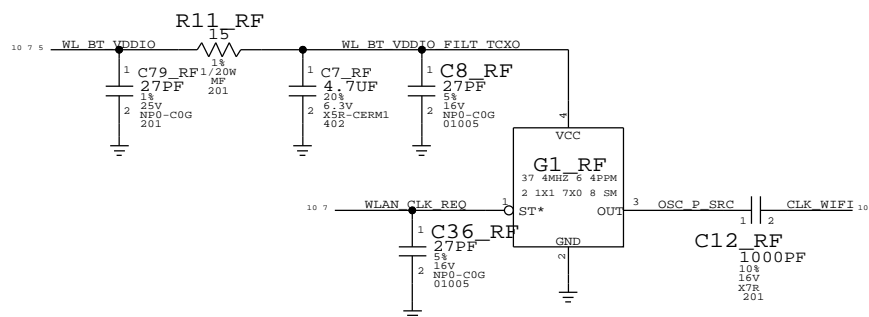
RF FILTER, CONNECTOR, ANTENNA MATCH AND FEED



REFERENCE OSCILLATOR TCXO

PULL UP RESISTORS

PULL DOWN RESISTORS



	8	7	6	5	4	3	2	1
Title:	Basenet Report		BT_UART_CTS_N	BT_UART_CTS_N -	L7	L7 - @radio_mib.lib.RADIO_MLB	TX_1900	TX_1900 - @radio_mib.lib.RADIO_MLB
	radio_mib		BT_UART_RTS_N	@radio_mib.lib.RADIO_MLB	L9	@radio_mib.lib.RADIO_MLB	TX_1900_MATCH	TX_1900_MATCH -
Design:	Dec 17 16:28:43 2010		BT_UART_RXD	@radio_mib.lib.RADIO_MLB	L10	@radio_mib.lib.RADIO_MLB	VDD_1P3_DA	VDD_1P3_DA -
			BT_UART_TXD	@radio_mib.lib.RADIO_MLB	L13	@radio_mib.lib.RADIO_MLB	VDD_1P3_DRXLO	VDD_1P3_DRXLO -
Date:			BT_MAKE	@radio_mib.lib.RADIO_MLB	L16	@radio_mib.lib.RADIO_MLB	VDD_1P3_GPSDIG	VDD_1P3_GPSDIG -
			CELLULAR_RF_ANT	@radio_mib.lib.RADIO_MLB	L17	@radio_mib.lib.RADIO_MLB	VDD_1P3_GPSLO	VDD_1P3_GPSLO -
Base nets and synonyms for	radio_mib.lib.RADIO_MLB(@radio_mib.lib.radio_mib(sch_1))		CELLULAR_RF_ANT_MATCH	@radio_mib.lib.RADIO_MLB	L18	@radio_mib.lib.RADIO_MLB	VDD_1P3_GPSPLL	VDD_1P3_GPSPLL -
	Base Signal		CELLULAR_RF_MATCH	@radio_mib.lib.RADIO_MLB	MODE_0	@radio_mib.lib.RADIO_MLB	VDD_1P3_LNA	VDD_1P3_LNA -
Base Signal	Synonyms		CELLULAR_RF_SWITCH	@radio_mib.lib.RADIO_MLB	MODE_1	@radio_mib.lib.RADIO_MLB	VDD_1P3_PDA	VDD_1P3_PDA -
	Location((Zone)[dir])		CELLULAR_RF_SWITCH	@radio_mib.lib.RADIO_MLB	MODE_2	@radio_mib.lib.RADIO_MLB	VDD_1P3_PDXLO	VDD_1P3_PDXLO -
3G_PA1_DCDC_IN	3G_PA1_DCDC_IN -	6D3	CELL_RF_ANT_MATCH_IN	@radio_mib.lib.RADIO_MLB	NAND_ALE	@radio_mib.lib.RADIO_MLB	VDD_1P3_PFXLO	VDD_1P3_PFXLO -
3G_PA_EN	3G_PA_EN - @radio_mib.lib.RADIO_MLB	2B6 6D4	CLK32K_AP	@radio_mib.lib.RADIO_MLB	NAND_A_D<15..0>	@radio_mib.lib.RADIO_MLB	VDD_1P3_RDCO	VDD_1P3_RDCO -
3G_PA_VCC	3G_PA_VCC -	6D1 7B4 9C4 9D4	CLK_WIFI	@radio_mib.lib.RADIO_MLB	NAND_CE_N	@radio_mib.lib.RADIO_MLB	VDD_1P3_RXPLL	VDD_1P3_RXPLL -
3G_PA_VCC1	@radio_mib.lib.RADIO_MLB	6D1 9C7 9D6	DCDC_ADJ	@radio_mib.lib.RADIO_MLB	NAND_CE_N	@radio_mib.lib.RADIO_MLB	VDD_1P3_SBIDIG	VDD_1P3_SBIDIG -
3G_PA_VCCX	@radio_mib.lib.RADIO_MLB	6D2	DCDC_LX1	@radio_mib.lib.RADIO_MLB	NAND_CLE	@radio_mib.lib.RADIO_MLB	VDD_1P3_TDCO	VDD_1P3_TDCO -
800_DFX_ANT	@radio_mib.lib.RADIO_MLB	9C4	DDR_A<12..0>	@radio_mib.lib.RADIO_MLB	NAND_CSI_N	@radio_mib.lib.RADIO_MLB	VDD_1P3_TXLO	VDD_1P3_TXLO -
800_DFX_TX	@radio_mib.lib.RADIO_MLB	9C5	DDR_A<15..14>	@radio_mib.lib.RADIO_MLB	NAND_OE_N	@radio_mib.lib.RADIO_MLB	VDD_1P3_TXMIX	VDD_1P3_TXMIX -
800_INT_FILT_IN	@radio_mib.lib.RADIO_MLB	9C8	DDR_CAS_N	@radio_mib.lib.RADIO_MLB	NAND_R_B_N	@radio_mib.lib.RADIO_MLB	VDD_1P3_TXPLL	VDD_1P3_TXPLL -
800_INT_FILT_OUT	@radio_mib.lib.RADIO_MLB	9C7	DDR_CKE0	@radio_mib.lib.RADIO_MLB	NAND_WE_N	@radio_mib.lib.RADIO_MLB	VDD_1P8_XO	VDD_1P8_XO -
800_PA_IN	@radio_mib.lib.RADIO_MLB	9C6	DDR_CLK_M	@radio_mib.lib.RADIO_MLB	NTC	@radio_mib.lib.RADIO_MLB	VDD_2P2_BIAS	VDD_2P2_BIAS -
800_PA_OUT	@radio_mib.lib.RADIO_MLB	9C5	DDR_CLK_P	@radio_mib.lib.RADIO_MLB	NTC_CONN	@radio_mib.lib.RADIO_MLB	VDD_2P2_PDDET	VDD_2P2_PDDET -
1900_DFX_ANT	@radio_mib.lib.RADIO_MLB	9D4	DDR_CS0_N	@radio_mib.lib.RADIO_MLB	OSC_P_SRC	@radio_mib.lib.RADIO_MLB	VDD_2P2_RDCO	VDD_2P2_RDCO -
1900_DFX_TX	@radio_mib.lib.RADIO_MLB	9D4	DDR_DQ<15..0>	@radio_mib.lib.RADIO_MLB	OSC_P_SRC	@radio_mib.lib.RADIO_MLB	VDD_2P2_TDCO	VDD_2P2_TDCO -
1900_INT_FILT_IN	@radio_mib.lib.RADIO_MLB	9D8	DDR_DQ0	@radio_mib.lib.RADIO_MLB	PA_CPLD	@radio_mib.lib.RADIO_MLB	VDD_2P2_TXLO	VDD_2P2_TXLO -
1900_INT_FILT_OUT	@radio_mib.lib.RADIO_MLB	9D7	DDR_DQ1	@radio_mib.lib.RADIO_MLB	PA_CPLD_BLK	@radio_mib.lib.RADIO_MLB	VDD_2P2_TXMIX	VDD_2P2_TXMIX -
1900_PA_CPL_BLK	@radio_mib.lib.RADIO_MLB	9D6	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_800	@radio_mib.lib.RADIO_MLB	VDD_2P2_TXPLL	VDD_2P2_TXPLL -
1900_PA_CPL_IN	@radio_mib.lib.RADIO_MLB	9D6	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900	@radio_mib.lib.RADIO_MLB	VDD_2P2_XO	VDD_2P2_XO -
1900_PA_CPL_OUT	@radio_mib.lib.RADIO_MLB	9B7 9C5	DDR_DQ000	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_2P2_BIAS	VDD_2P2_BIAS -
1900_PA_IN	@radio_mib.lib.RADIO_MLB	9D6	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_2P2_PDDET	VDD_2P2_PDDET -
1900_PA_OUT	@radio_mib.lib.RADIO_MLB	9D5	DDR_DQ001	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_2P2_RDCO	VDD_2P2_RDCO -
AP_PMU_EXTON	@radio_mib.lib.RADIO_MLB	2C6 7C8	DDR_DQ000	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_2P2_TDCO	VDD_2P2_TDCO -
BATSNS	BATSNS - @radio_mib.lib.RADIO_MLB	7A5 7D8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_A0	VDD_A0 -
BATT_VCC	BATT_VCC - @radio_mib.lib.RADIO_MLB	6D2 7A5 7B5 7D2 7D3 7D8 10D8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_QFUSE	VDD_QFUSE -
BATT_VCC_RADIO	BATT_VCC_RADIO -	5B4 5C8 6A7 6B7 6B7 7D2	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VDD_RF_DIG	VDD_RF_DIG -
BATT_VCC_WLAN	BATT_VCC_WLAN -	10D7	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_GP_1P2	VREG_GP_1P2 -
BB_DWLD_GATE	BB_DWLD_GATE -	3C5	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_GP_1P8	VREG_GP_1P8 -
BB_EMERGENCY_DWLD	BB_EMERGENCY_DWLD -	2C5 3C6 7C4 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_GP_2P05	VREG_GP_2P05 -
BB_I2S2_2_CLK	BB_I2S2_2_CLK -	2B8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_MPLL	VREG_MPLL -
BB_I2S2_2_WA0	BB_I2S2_2_WA0 -	2B8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_MSMC	VREG_MSMC -
BB_I2S2_CLK	BB_I2S2_CLK -	2C8 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_MSME	VREG_MSME -
BB_I2S2_RX	BB_I2S2_RX -	2B8 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_QFUSE	VREG_QFUSE -
BB_I2S2_TX	BB_I2S2_TX -	2C8 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RF1_P3	VREG_RF1_P3 -
BB_I2S2_WA0	BB_I2S2_WA0 -	2C8 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RF1_P3_RX	VREG_RF1_P3_RX -
BB_JTAG_RTCK	BB_JTAG_RTCK -	2C2 7A1 7C2	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RF2_2P2	VREG_RF2_2P2 -
BB_JTAG_TCK	BB_JTAG_TCK -	2C3 7B1 7C2	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RFA_2P2	VREG_RFA_2P2 -
BB_JTAG_TDI	BB_JTAG_TDI -	2C3 7B1 7C2	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RF_SW	VREG_RF_SW -
BB_JTAG_TDO	BB_JTAG_TDO -	2C2 7B1 7C2	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_RF_SW_GPS_LNA	VREG_RF_SW_GPS_LNA -
BB_JTAG_TMS	BB_JTAG_TMS -	2C3 7B1 7C2	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_SDCC1	VREG_SDCC1 -
BB_JTAG_TRST_N	BB_JTAG_TRST_N -	2C3 7B1 7C2	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VREG_USB_3P075	VREG_USB_3P075 -
BB_PCM_CLK	BB_PCM_CLK -	2B8 7C5 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VSW_S1	VSW_S1 -
BB_PCM_RX	BB_PCM_RX -	2B8 7B5 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VSW_S2	VSW_S2 -
BB_PCM_SYNC	BB_PCM_SYNC -	2B8 7C5 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VSW_S3	VSW_S3 -
BB_PCM_TX	BB_PCM_TX -	2B8 7C5 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	VSW_S4	VSW_S4 -
BB_PDM	BB_PDM -	2B6	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WDOG_DISABLE	WDOG_DISABLE -
BB_PDM_FILT	BB_PDM_FILT -	2B5	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_BT_DIPLEXER	WLAN_BT_DIPLEXER -
BB_RST_N	BB_RST_N -	2C5 7B2 7D8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_BUCK_OUT_1V4	WLAN_BUCK_OUT_1V4 -
BB_UART_CTS_N	BB_UART_CTS_N -	2B8 7A2 7C2 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_CLK_REQ	WLAN_CLK_REQ -
BB_UART_RTS_N	BB_UART_RTS_N -	2B8 7A2 7C2 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_FEM_ANT	WLAN_FEM_ANT -
BB_UART_RXD	BB_UART_RXD -	2B8 2C6 7A2 7C2 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_FILT	WLAN_FILT -
BB_UART_TXD	BB_UART_TXD -	2B8 7B2 7C2 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_RESET_N	WLAN_RESET_N -
BB_USB_DATA_N	BB_USB_DATA_N -	2B4 2C3 7B2 7C4 7C8	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_SDIO_CLK	WLAN_SDIO_CLK -
BB_USB_DATA_P	BB_USB_DATA_P -	2B4 2C3 7B4 7C4 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_SDIO_CMD	WLAN_SDIO_CMD -
BB_USB_REXT	BB_USB_REXT -	2C3	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_SDIO_DATA<0>	WLAN_SDIO_DATA<0> -
BB_USB_VBUS	BB_USB_VBUS -	2C3 7A1 7C4 7C8	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_SDIO_DATA<3..0>	WLAN_SDIO_DATA<3..0> -
BOOT_FROM_ROM	BOOT_FROM_ROM -	2A5 2B6	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_SR_VLX1	WLAN_SR_VLX1 -
BT_PCM_CLK	BT_PCM_CLK -	7B8 10C5	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_TCK	WLAN_TCK -
BT_PCM_IN	BT_PCM_IN -	7B8 10C5	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_TDI	WLAN_TDI -
BT_PCM_OUT	BT_PCM_OUT -	7B8 10A3 10C5	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_TDO	WLAN_TDO -
BT_PCM_SYNC	BT_PCM_SYNC -	7B8 10C5	DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_TMS	WLAN_TMS -
BT_RESET_N	BT_RESET_N -	7B8 7C2 10A5 10C5	DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_TRST_N	WLAN_TRST_N -
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WLAN_VDDIO_1V8	WLAN_VDDIO_1V8 -
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WL_BT_REG_ON	WL_BT_REG_ON -
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB	WL_BT_VDDIO	WL_BT_VDDIO -
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ01	@radio_mib.lib.RADIO_MLB	PA_ON_1900_IN	@radio_mib.lib.RADIO_MLB		
			DDR_DQ00	@radio_mib.lib.RADIO_MLB	PA_ON_19			

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WL_BT_VDDIO_FILT_TCX	@radio_mlb_lib.RADIO_MLB	WL_BT_VDDIO_FILT_TCXO -	10A7
0	@radio_mlb_lib.RADIO_MLB	@radio_mlb_lib.RADIO_MLB	
XO_GND	@radio_mlb_lib.RADIO_MLB	XO_GND - @radio_mlb_lib.RADIO_MLB	5C4 5C5
XO_OUT	@radio_mlb_lib.RADIO_MLB	XO_OUT - @radio_mlb_lib.RADIO_MLB	9B2
XO_OUT_A0	@radio_mlb_lib.RADIO_MLB	XO_OUT_A0 -	5C2 9B1
XO_OUT_D1	@radio_mlb_lib.RADIO_MLB	XO_OUT_D1 -	2C3 5C2 7B5
XO_OUT_D1_EN	@radio_mlb_lib.RADIO_MLB	XO_OUT_D1_EN -	2C3 5C2
XO_THERM	@radio_mlb_lib.RADIO_MLB	XO_THERM - @radio_mlb_lib.RADIO_MLB	5C4
XTAL19M_IN	@radio_mlb_lib.RADIO_MLB	XTAL19M_IN -	5D4
XTAL19M_OUT	@radio_mlb_lib.RADIO_MLB	XTAL19M_OUT -	5D4

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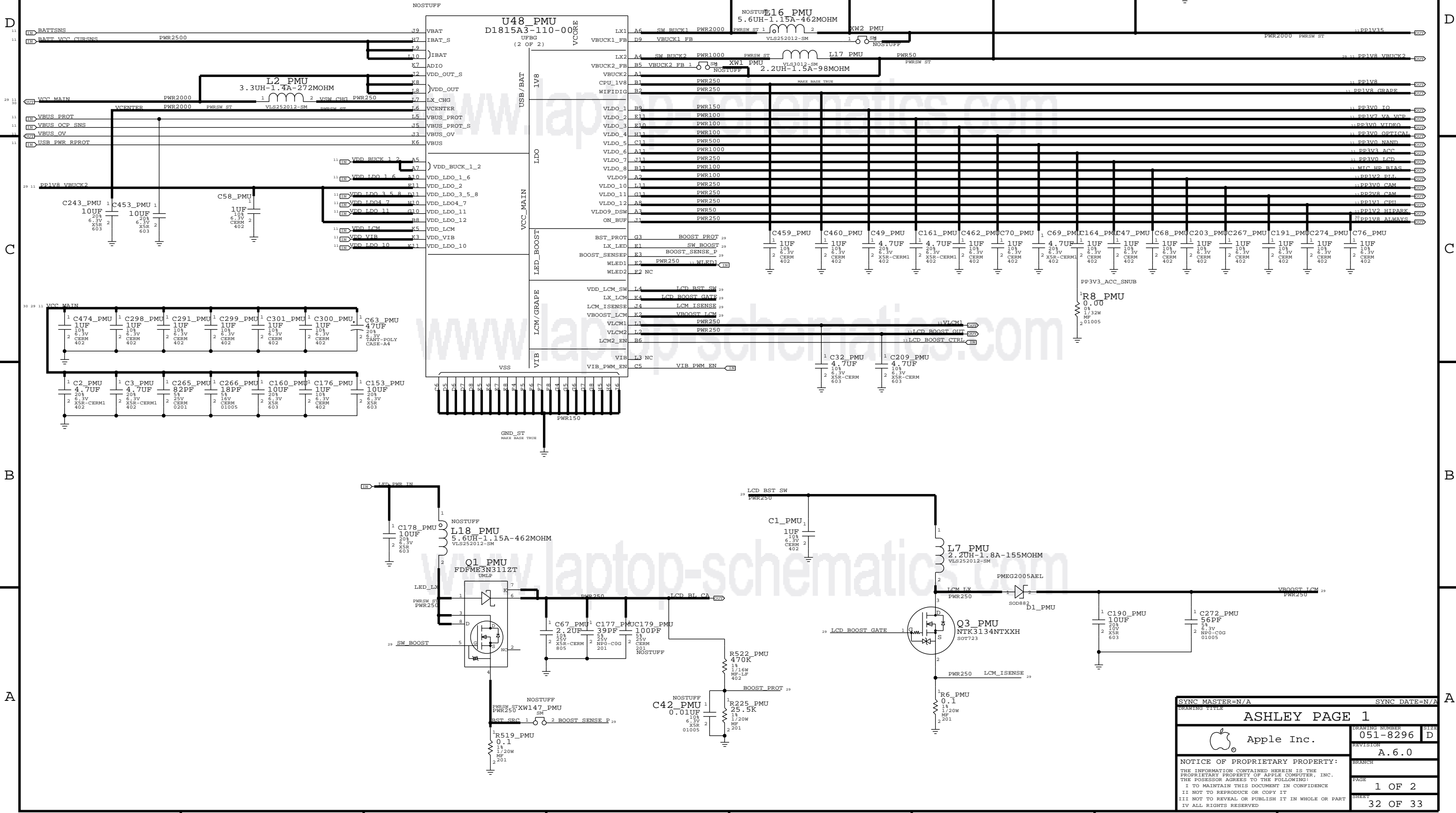
	8	7	6	5	4	3	2	1
	Title: Cref Part Report Design: radio_mlb Date: Dec 17 16:28:43 2010							
	BR1 BRACKET_1P_SM radio_mlb[8C8]		C144 CAP_603 radio_mlb[685]		L54 IND_0201 radio_mlb[8C5]		TP11 TP_TP-P6 radio_mlb[7B3]	
	BR2 BRACKET_1P_SM radio_mlb[8B8]		C145 CAP_402 radio_mlb[686]		L60 IND_03015 radio_mlb[8C6]		TP12 TP_TP-P6 radio_mlb[7A3]	
	C1 CAP_0201-MWR radio_mlb[7D3]		C146 CAP_201 radio_mlb[6A6]		L61 IND_VLS2012E-SM radio_mlb[6C3]		TP13 TP_TP-P6 radio_mlb[7A3]	
	C2 CAP_201 radio_mlb[581]		C147 CAP_201 radio_mlb[6A6]		L62 IND_VLS2012E-SM radio_mlb[6C3]		TP14 TP_TP-P6 radio_mlb[7A3]	
	C3 CAP_201 radio_mlb[8B3]		C148 CAP_402 radio_mlb[6D4]		L63 IND_VLS2012E-SM radio_mlb[6C3]		TP22 TP_TP-P6 radio_mlb[7B3]	
	C4 CAP_201 radio_mlb[8B3]		C149 CAP_01005 radio_mlb[5C8]		L64 IND_VLS2012E-SM radio_mlb[6B3]		TP33 TP_TP-P6 radio_mlb[7B5]	
	C5 CAP_201 radio_mlb[8A6]		C150 CAP_603 radio_mlb[6D2]		PP1 PROBEPOINT_SM radio_mlb[7C5]		TP34 TP_TP-P6 radio_mlb[7B5]	
	C6 CAP_201 radio_mlb[8B6]		C151 CAP_201 radio_mlb[6D2]		PP2 PROBEPOINT_SM radio_mlb[7C5]		U1 BGA486_CUSTOM_N92_BG radio_mlb[2D7 2D3]	
	C7 CAP_402 radio_mlb[10A8]		C152 CAP_603 radio_mlb[6C3]		PP3 PROBEPOINT_SM radio_mlb[7C5]		A BGA486_CUSTOM_N92_BG radio_mlb[3D7]	
	C8 CAP_01005 radio_mlb[10A7]		C153 CAP_201 radio_mlb[9D6]		PP4 PROBEPOINT_SM radio_mlb[7D5]		U1 BGA486_CUSTOM_N92_BG radio_mlb[4C3 4D6 4C7]	
	C9 CAP_201 radio_mlb[8A5]		C154 CAP_603 radio_mlb[6C3]		PP7 PROBEPOINT_SM radio_mlb[7D5]		A	
	C10 CAP_201 radio_mlb[5B6]		C155 CAP_201 radio_mlb[9C6]		PP8 PROBEPOINT_SM radio_mlb[7D5]		U1 BGA486_CUSTOM_N92_BG radio_mlb[9B2]	
	C12 CAP_201 radio_mlb[10A5]		C157 CAP_603 radio_mlb[6C3]		PP9 PROBEPOINT_SM radio_mlb[7D5]		A SDRAM_EEPROM_4MX16X4 radio_mlb[3D4]	
	C13 CAP_201 radio_mlb[9C6]		C159 CAP_603 radio_mlb[6B3]		PP10 PROBEPOINT_SM radio_mlb[7D5]		_130BGA_TFBGA	
	C14 CAP_01005 radio_mlb[9C7]		C160 CAP_402 radio_mlb[6A1]		PP11 PROBEPOINT_SM radio_mlb[7D5]		U3 PWRMGR_EU_BGA136_BGA radio_mlb[5B3 5D3 5B6 5D7]	
	C15 CAP_201 radio_mlb[9D8]		C161 CAP_402 radio_mlb[6A4]		PP12 PROBEPOINT_SM radio_mlb[7C5]		U4 PWRMGR_EU_BGA136_BGA radio_mlb[6C5]	
	C16 CAP_201 radio_mlb[8C6]		C162 CAP_402 radio_mlb[6A4]		PP13 PROBEPOINT_SM radio_mlb[7C5]		U5 SM74LVCL11_BGA radio_mlb[2C4]	
	C17 CAP_201 radio_mlb[9D8]		C163 CAP_201 radio_mlb[6A3]		PP14 PROBEPOINT_SM radio_mlb[7B5]		U6 MAX8839L_WLP radio_mlb[6D3]	
	C18 CAP_201 radio_mlb[7A7]		C166 CAP_402-LF radio_mlb[6A2]		PP15 PROBEPOINT_SM radio_mlb[7B5]		U7 AMP_SKY77710_LLP radio_mlb[9C6]	
	C19 CAP_201 radio_mlb[8C5]		C167 CAP_402 radio_mlb[6A3]		PP16 PROBEPOINT_SM radio_mlb[7B5]		U8 AMP_SKY77711_LLP radio_mlb[9D5]	
	C20 CAP_201 radio_mlb[8C4]		C168 CAP_402-LF radio_mlb[6A2]		PP17 PROBEPOINT_SM radio_mlb[7B5]		U9 FIL_SAYR836MCA0F57 radio_mlb[9C4]	
	C21 CAP_201 radio_mlb[8C4]		C169 CAP_402 radio_mlb[6A2]		PP18 PROBEPOINT_SM radio_mlb[7B5]		LGA	
	C22 CAP_201 radio_mlb[8C4]		C170 CAP_402 radio_mlb[6A2]		PP24 PROBEPOINT_SM radio_mlb[7B4]		U9 FIL_ACM07410_2_0X2.5 radio_mlb[9D4]	
	C23 CAP_01005 radio_mlb[6C7]		C171 CAP_01005 radio_mlb[5C4]		PP25 PROBEPOINT_SM radio_mlb[7B4]		MM	
	C24 CAP_01005 radio_mlb[8C3]		C172 CAP_402 radio_mlb[6A2]		PP26 PROBEPOINT_SM radio_mlb[7B4]		U10 SM74AUC1G3_BGA-YZP radio_mlb[3C5]	
	C25 CAP_01005 radio_mlb[8C3]		C174 CAP_01005 radio_mlb[5C5]		PP30 PROBEPOINT_SM radio_mlb[7B3]		U11 74LVCL1004_S0T891 radio_mlb[5B8]	
	C26 CAP_01005 radio_mlb[9B7]		C178 CAP_402-LF radio_mlb[6A4]		PP31 PROBEPOINT_SM radio_mlb[7A3]		U12 MOD_WIFI_BT_UNO_LGA5 radio_mlb[10C7]	
	C27 CAP_201 radio_mlb[9D6]		C179 CAP_01005 radio_mlb[6E1]		PP40 PROBEPOINT_SM radio_mlb[7B2]		5_LGA	
	C28 CAP_01005 radio_mlb[9B7]		C180 CAP_201 radio_mlb[6D4]		PP41 PROBEPOINT_SM radio_mlb[7B2]		U13 PFF1039_CSP radio_mlb[7D2]	
	C29 CAP_201 radio_mlb[9D7]		C181 CAP_01005 radio_mlb[6C6]		PP42 PROBEPOINT_SM radio_mlb[7B2]		U33 XM1500LB_QFN radio_mlb[8C5]	
	C30 CAP_01005 radio_mlb[9C7]		C182 CAP_0201 radio_mlb[6C5]		PP43 PROBEPOINT_SM radio_mlb[7B2]		XW1 SHORT10L25_WITH_ALTS radio_mlb[7A6]	
	C32 CAP_01005 radio_mlb[9C6]		C183 CAP_01005 radio_mlb[6D5]		PP44 PROBEPOINT_SM radio_mlb[7A2]		_SM	
	C34 CAP_01005 radio_mlb[9D6]		C184 CAP_01005 radio_mlb[6D4]		PP45 PROBEPOINT_SM radio_mlb[7A2]		XW2 SHORT_SM radio_mlb[6C3]	
	C35 CAP_201 radio_mlb[9C6]		C187 CAP_201 radio_mlb[9C8]		PP46 PROBEPOINT_SM radio_mlb[7A2]		XW3 SHORT_SM radio_mlb[6C3]	
	C36 CAP_01005 radio_mlb[10A7]		C188 CAP_01005 radio_mlb[6C5]		PP47 PROBEPOINT_SM radio_mlb[7A2]		XW4 SHORT_SM radio_mlb[6C3]	
	C37 CAP_201 radio_mlb[9D6]		C189 CAP_201 radio_mlb[6D4]		PP52 PROBEPOINT_SM radio_mlb[2B6]		XW5 SHORT_SM radio_mlb[6B3]	
	C38 CAP_01005 radio_mlb[9C5]		C200 CAP_402 radio_mlb[6C6]		PP53 PROBEPOINT_SM radio_mlb[2B6]		XW6 SHORT_SHORT-0201 radio_mlb[10D7]	
	C39 CAP_01005 radio_mlb[9D5]		C201 CAP_402-1 radio_mlb[6D7]		PP58 PROBEPOINT_SM radio_mlb[2B8]		XW7 SHORT10LP25_WITH_ALT radio_mlb[5C3]	
	C40 CAP_201 radio_mlb[9C5]		C202 CAP_402 radio_mlb[6C7]		PP71 PROBEPOINT_SM radio_mlb[2C4]		S_SHORT-10L-0.25MM-S	
	C41 CAP_201 radio_mlb[9D5]		C203 CAP_402-1 radio_mlb[6C7]		PP72 PROBEPOINT_SM radio_mlb[2C4]		M	
	C42 CAP_201 radio_mlb[9D5]		C204 CAP_402 radio_mlb[6D6]		PP73 PROBEPOINT_SM radio_mlb[2C4]		XW9 SHORT_SM radio_mlb[10C7]	
	C43 CAP_01005 radio_mlb[9B5]		C205 CAP_402-1 radio_mlb[6C7]		Q1 TRA_MOSFET_NCHN_3P_S radio_mlb[5B7]		XW10 SHORT_SM radio_mlb[10C7]	
	C44 CAP_201 radio_mlb[9D5]		C206 CAP_402 radio_mlb[6B7]		R1 RES_201 radio_mlb[3B2]		XW11 SHORT_SM radio_mlb[10B7]	
	C45 CAP_201 radio_mlb[9C5]		C217 CAP_01005 radio_mlb[9B2]		R2 RES_201 radio_mlb[3C5]		XW12 SHORT_SM radio_mlb[10B7]	
	C46 CAP_0201 radio_mlb[9D4]		C225 CAP_201 radio_mlb[8C5]		R3 RES_201 radio_mlb[2D4]		XW13 SHORT_SM radio_mlb[10B7]	
	C47 CAP_402-LF radio_mlb[9C5]		FL1 MOD_HPQTF4ZE047_LGA radio_mlb[8B5]		R4 RES_201 radio_mlb[2C4]		XW14 SHORT_SM radio_mlb[10B7]	
	C48 CAP_402-LF radio_mlb[9D5]		FL2 FILTER_SAFB1G88AA0F radio_mlb[9D7]		R5 RES_402 radio_mlb[6D4]		Y1 CRYSTAL_4PIN_SM-2.5X radio_mlb[5D4]	
	C49 CAP_0201 radio_mlb[9A4]		FL3 FILTER_SAFB1G57FM_L radio_mlb[8C4]		R6 RES_01005 radio_mlb[2A4]			
	C50 CAP_0201 radio_mlb[9A4]		LP LP		R7 RES_01005 radio_mlb[2A4]			
	C51 CAP_201 radio_mlb[9B4]		FL4 FIL_LDM18_0603 radio_mlb[9A6]		R8 RES_01005 radio_mlb[2A4]			
	C52 CAP_201 radio_mlb[9D4]		FL5 FILTER_SAFBA36MAA0F radio_mlb[9C8]		R9 RES_201 radio_mlb[6D2]			
	C53 CAP_201 radio_mlb[9D3]		FL6 FILTER_2P_0201-1 radio_mlb[7A7]		R10 RES_01005 radio_mlb[9D6]			
	C54 CAP_201 radio_mlb[9C3]		FL7 FILTER_6P1_LLP radio_mlb[9C2]		R11 RES_201 radio_mlb[10A8]			
	C55 CAP_201 radio_mlb[9A2]		FL9 FILTER_2P_0201 radio_mlb[7A7]		R12 RES_01005 radio_mlb[9A2]			
	C56 CAP_0402 radio_mlb[6D8]		FL10 FILTER_3P1_0805-SM radio_mlb[10D4]		R13 RES_201 radio_mlb[9A1]			
	C57 CAP_0402 radio_mlb[6C8]		FL11 FILTER_2P_0402 radio_mlb[6C1]		R14 RES_201 radio_mlb[9A1]			
	C58 CAP_0201 radio_mlb[8C8]		FL12 FILTER_2P_0402 radio_mlb[6C1]		R15 RES_201 radio_mlb[9A1]			
	C59 CAP_201 radio_mlb[9D1]		FL13 FILTER_2P_0402 radio_mlb[6C1]		R16 RES_01005 radio_mlb[2C6]			
	C60 CAP_402 radio_mlb[9D1]		FL14 FILTER_2P_0402 radio_mlb[6C1]		R17 RES_01005 radio_mlb[2C6]			
	C61 CAP_201 radio_mlb[8C2]		FL15 FILTER_2P_0402 radio_mlb[6B1]		R18 RES_01005 radio_mlb[10A3]			
	C65 CAP_201 radio_mlb[9C2]		G1 OSC_4PIN_ST_2_1X1.7X radio_mlb[10A7]		R19 RES_01005 radio_mlb[7D3]			
	C66 CAP_201 radio_mlb[3C5]		J1 CON_M40ST_D4MT_S1_M radio_mlb[7C3]		R20 RES_201 radio_mlb[5B7]			
	C67 CAP_603 radio_mlb[10D7]		-ST-SM		R21 RES_01005 radio_mlb[2B2]			
	C68 CAP_201 radio_mlb[10D7]		J2 CON_F1ST_COAX_S3MT_S radio_mlb[10D3]		R22 RES_01005 radio_mlb[2B5]			
	C69 CAP_201 radio_mlb[10D6]		M_F-ST-SM		R23 RES_01005 radio_mlb[2B5]			
	C70 CAP_201 radio_mlb[10D5]		J3 CON_F1ST_COAX_S3MT_S radio_mlb[8D6]		R24 RES_01005 radio_mlb[2B3]			
	C71 CAP_0201 radio_mlb[8C7]		M_F-ST-SM		R25 RES_01005 radio_mlb[2A7]			
	C72 CAP_0201 radio_mlb[8D7]		J4 CON_F1ST_COAX_S3MT_S radio_mlb[9D1]		R26 RES_01005 radio_mlb[2A7]			
	C79 CAP_201 radio_mlb[10A8]		M_F-ST-SM		R27 RES_01005 radio_mlb[2A7]			
	C81 CAP_201 radio_mlb[7A7]		J5 CON_F1ST_COAX_S3MT_S radio_mlb[8B8]		R28 RES_01005 radio_mlb[2A7]			
	C82 CAP_201 radio_mlb[7A7]		M_F-ST-SM		R29 RES_01005 radio_mlb[2A7]			
	C83 CAP_201 radio_mlb[7A7]		J6 CON_F2ST_COAX_2MT_SM radio_mlb[9C1]		R30 RES_01005 radio_mlb[2A7]			
	C85 CAP_201 radio_mlb[7A7]		2_F-ST-SM		R31 RES_01005 radio_mlb[2A7]			
	C86 CAP_402 radio_mlb[10C7]		J9 CON_F2ST_COAX_2MT_SM radio_mlb[8B6]		R32 RES_201 radio_mlb[6B8]			
	C87 CAP_201 radio_mlb[8B7]		2_F-ST-SM		R33 RES_201 radio_mlb[6B8]			
	C88 CAP_201 radio_mlb[8A7]		J14 CON_F4ST_S2MT_SM_F-S radio_mlb[7A8]		R34 RES_201 radio_mlb[6B8]			
	C89 CAP_201 radio_mlb[8A7]		T-SM		R35 RES_201 radio_mlb[6B8]			
	C90 CAP_01005 radio_mlb[2B5]		L1 IND_0201 radio_mlb[8A3]		R36 RES_201 radio_mlb[6A8]			
	C103 CAP_201 radio_mlb[2D4]		L2 IND_0201 radio_mlb[8B3]		R37 RES_01005 radio_mlb[2A7]			
	C104 CAP_01005 radio_mlb[2B5]		L3 IND_0201 radio_mlb[8A2]		R38 RES_01005 radio_mlb[2A7]			
	C105 CAP_01005 radio_mlb[2B5]		L4 IND_0201 radio_mlb[8B2]		R39 RES_01005 radio_mlb[2A7]			
	C106 CAP_201 radio_mlb[2B3]		L5 IND_VLS3012-SM-HF radio_mlb[6D2]		R40 RES_01005 radio_mlb[2A7]			
	C107 CAP_0201 radio_mlb[3D2]		L6 IND_0201 radio_mlb[8C2]		R41 RES_01005 radio_mlb[2A7]			
	C108 CAP_0201 radio_mlb[3D2]		L7 IND_0201 radio_mlb[8C2]		R42 RES_201 radio_mlb[6B8]			
	C109 CAP_0201 radio_mlb[3D2]		L8 IND_0201 radio_mlb[9C5]		R43 RES_201 radio_mlb[6B8]			
	C110 CAP_0201 radio_mlb[3D2]		L9 IND_0201 radio_mlb[9D5]		R44 RES_201 radio_mlb[6B8]			
	C111 CAP_201 radio_mlb[6B7]		L10 IND_0201 radio_mlb[9B7]		R45 RES_201 radio_mlb[6B8]			
	C112 CAP_201 radio_mlb[6B7]		L11 IND_0201 radio_mlb[9A5]		R46 RES_201 radio_mlb[6A8]			
	C113 CAP_201 radio_mlb[6B7]		L12 IND_0201 radio_mlb[9B6]		R47 RES_201 radio_mlb[6A8]			
	C114 CAP_402-LF radio_mlb[6A7]		L13 IND_0201 radio_mlb[9A4]		R48 RES_201 radio_mlb[6A8]			
	C115 CAP_402-LF radio_mlb[6A7]		L14 IND_0201 radio_mlb[9B4]		R49 RES_201 radio_mlb[6D7]			
	C116 CAP_201 radio_mlb[6A7]		L15 IND_0201 radio_mlb[9B4]		R50 RES_201 radio_mlb[6C8]			
	C117 CAP_01005 radio_mlb[6D6]		L16 IND_0201 radio_mlb[9C2]		R51 IND_0201 radio_mlb[6C8]			
	C118 CAP_01005 radio_mlb[6D6]		L17 IND_0201 radio_mlb[8C2]		R52 THERMIST_0201 radio_mlb[5C4]			
	C119 CAP_01005 radio_mlb[6C7]		L18 IND_0201 radio_mlb[9B4]		R53 RES_01005 radio_mlb[5C5]			
	C120 CAP_01005 radio_mlb[6C6]		L19 IND_0201 radio_mlb[9B3]		R54 RES_201 radio_mlb[6D2]			
	C121 CAP_01005 radio_mlb[6C7]		L20 IND_0201 radio_mlb[9B3]		R55 RES_201 radio_mlb[9C8]			
	C122 CAP_01005 radio_mlb[6D7]		L21 IND_03015 radio_mlb[8D7]		R56 RES_01005 radio_mlb[2C8]			
	C124 CAP_01005 radio_mlb[6D7]		L22 IND_0201 radio_mlb[9C2]		R57 RES_01005 radio_mlb[2C8]			
	C125 CAP_603 radio_mlb[5C8]		L23 IND_0201 radio_mlb[9C1]		R58 RES_201 radio_mlb[6B1]			
	C126 CAP_603 radio_mlb[6D2]		L24 CAP_201 radio_mlb[10C4]		R59 RES_201 radio_mlb[6B1]			
	C127 CAP_0201 radio_mlb[4C4]		L25 IND_0201 radio_mlb[6D1]		R60 RES_201 radio_mlb[6B1]			
	C128 CAP_0201 radio_mlb[4B4]		L26 IND_0201 radio_mlb[6D6]		R61 RES_201 radio_mlb[6B1]			
	C129 CAP_0201 radio_mlb[4B4]		L27 IND_0201 radio_mlb[6C7]		R62 RES_01005 radio_mlb[2C8]			
	C130 CAP_0201 radio_mlb[4B4]		L28 IND_0201 radio_mlb[6D7]		R63 RES_01005 radio_mlb[2C8]			
	C131 CAP_0201 radio_mlb[4A4]		L29 IND_0201 radio_mlb[6D6]		R64 RES_201 radio_mlb[6B1]			
	C132 CAP_0201 radio_mlb[4A4]		L30 IND_0201 radio_mlb[6D5]		R65 RES_201 radio_mlb[6B1]			
	C133 CAP_0201 radio_mlb[4A2]		L31 IND_0201 radio_mlb[6D8]		R66 RES_201 radio_mlb[6A1]			
	C134 CAP_0201 radio_mlb[4B2]		L32 IND_03015 radio_mlb[8C7]		R67 RES_201 radio_mlb[6A1]			
	C135 CAP_0402 radio_mlb[6C1]		L33 IND_VLS2012E-SM radio_mlb[10C7]		R68 RES_201 radio_mlb[6A1]			
	C136 CAP_01005 radio_mlb[5C8]		L34 IND_402 radio_mlb[9D2]		R69 RES_201 radio_mlb[6B1]			
	C137 CAP_0201 radio_mlb[4B1]		L35 IND_0201 radio_mlb[6C7]		R70 RES_201 radio_mlb[6B1]			
	C138 CAP_0201 radio_mlb[4B1]		L36 IND_0201 radio_mlb[6D5]		R71 RES_201 radio_mlb[6B1]			
	C139 CAP_0201 radio_mlb[4B1]		L37 IND_0201 radio_mlb[6D5]		R72 RES_201 radio_mlb[6A1]			
	C140 CAP_201 radio_mlb[6B5]							

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

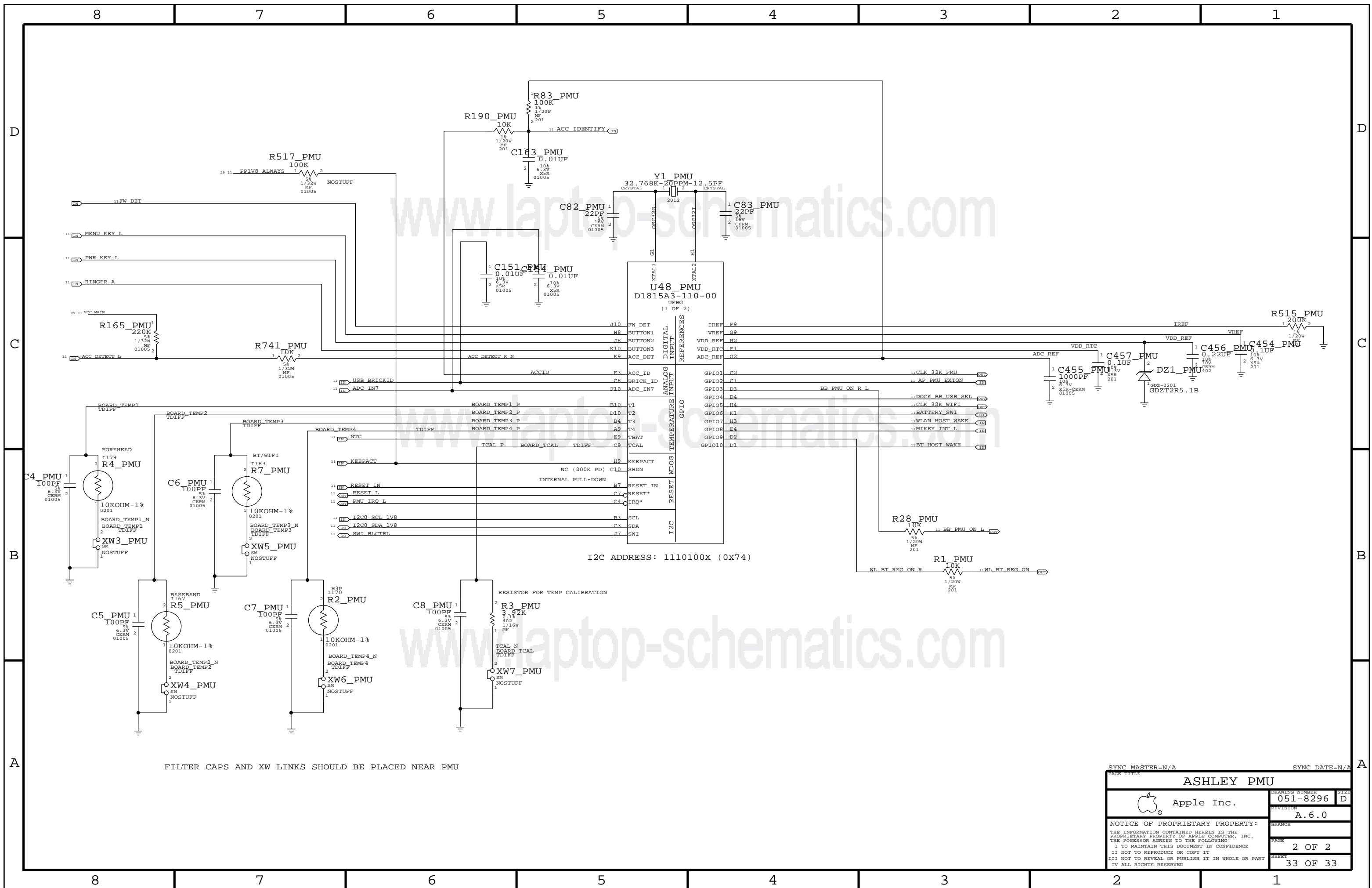
REV	ECN	DESCRIPTION OF REVISION	CK APPD	DATE
				2010-12-22

I BLEW UP 2 ASHLEYS, CYA IN CASE THE N88 AMANDA BUG IS BACK


LAYOUT: PLACE XW1 AND XW2 REMOTELY BY AP



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BRANCH	PAGE	2 OF 2	SHEET
			33 OF 33