

iPhone 3G Schematic

By Wites OM Tesla



EVT3B BRD REV10

N82 SINGLE_BRD (MLB) 2/15/2008 (I) REV10

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02	RADIO AND AP SCHEMATIC INSTANTIATION

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-7340	1	N82_SCHEMATIC_TOP	SCH	Y	?
820-2186	1	N82_SINGLE_BOARD	PCB	Y	?
AP_V1	7	DOCK JTAG STUFF OPTIONS FOR DEVELOPMENT		Y	DEVELOPMENT
AP_V1	2	DOCK JTAG STUFF OPTIONS FOR PRODUCTION		Y	PRODUCTION
AP_V1	1	HP MIC RETURN TO SNS		Y	HP_RET_SNS
AP_V1	1	HP MIC RETURN TO GND		Y	HP_RET_GND
AP_V1	1	MIKEY AVDD=VCC_MAIN		Y	MIKEY_VCCMAIN
AP_V1	1	MIKEY AVDD=CODEC_A3V		Y	MIKEY_A3V
RADIO_PROTO	1	3G PA DC/DC = MAX8836		Y	MAX_8836
RADIO_PROTO	1	3G PA DC/DC = MAX8805		Y	MAX_8805
AP_V1	5	3V SERIAL FLASH		Y	SFLASH_3V
AP_V1	4	1V8 SERIAL FLASH		Y	SFLASH_1V8
RADIO_PROTO	2	BT/WIFI MODULE (MURATA)		Y	MURATA
RADIO_PROTO	2	BT/WIFI MODULE ALPS		Y	ALPS

N82 EEE BOM LABELS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
825-2029	1	EEE FOR 630-8772 (8G)	EEE:Y5K	Y	FLASH_8GB
825-2029	1	EEE FOR 630-8943 (16G)	EEE:YEU	Y	FLASH_16GB

BOARD - 820-2186
 SCHEMATIC - 051-7340
 BOM - 630-8772 (8GB)
 BOM - 630-8943 (16GB)

NAND BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
335S0517	1	8GB TOSHIBA 56NM FLASH TSOP48	U29_AP	Y	FLASH_8GB
335S0514	1	16GB SAMSUNG 51NM FLASH DSP/WLFP	U29_AP	Y	FLASH_16GB

NAND ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
335S0575	335S0517	FLASH_8GB	U29_AP	8GB SAMSUNG 63NM FLASH TSOP48
335S0548	335S0517	FLASH_8GB	U29_AP	8GB MICRON 50NM FLASH TSOP48
335S0545	335S0517	FLASH_8GB	U29_AP	8GB INTEL 50NM FLASH TSOP48

335S0573	335S0514	FLASH_16GB	U29_AP	16GB TOSHIBA 56NM FLASH BGA
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SUB BOM FOR BT/WIFI MODULE

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
607-2683	1	FOR MURATA BT/WIFI MODULE	SB1	Y	BT_WIFI

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
607-2682	607-2683	BT_WIFI	SB1	FOR ALPS BT/WIFI MODULE

EEE BOM LABELS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
825-2029	1	EEE FOR 607-2683 (MURATA)	EEE:OXL	Y	MURATA
825-2029	1	EEE FOR 607-2682 (ALPS)	EEE:OXM	Y	ALPS

SERIAL FLASH BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
335S0552	1	SST 8MBIT 3V SERIAL FLASH	U11_AP	Y	SFLASH_3V
335S0555	1	ATMEL 8MBIT 1V8 SERIAL FLASH	U11_AP	Y	SFLASH_1V8

VIDEO AMP ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S1625	353S1650	?	U30_AP	VIDEO AMP

ACC SWITCH ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
353S1769	353S1751	?	SI_AP	ACC SWITCH

BB MEMORY BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
335S0486	1	BLANK BASEBAND MEMORY	U13_RF	Y	BB_MEM_BLANK
341S2247	1	PROGRAMMED BASEBAND MEMORY	U13_RF	Y	BB_MEM_PROGRAMMED

3G PA DC/DC BOM OPTION


PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
353S1988	1	3GPA DC/DC CUSTOM MAX8836	U1_RF	Y	MAX_8836
353S1981	1	3GPA DC/DC STAND MAX8805	U1_RF	Y	MAX_8805

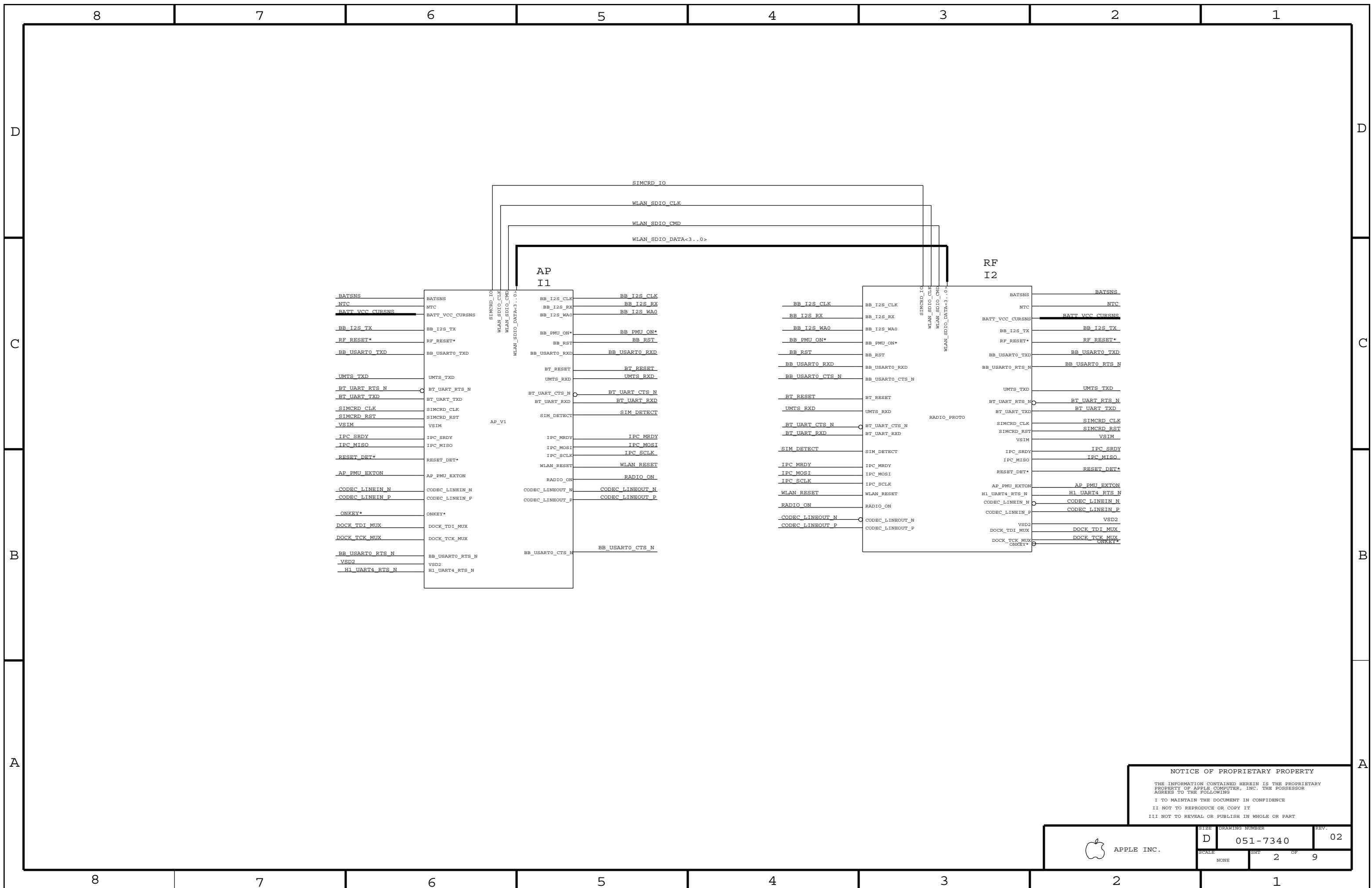
BT/WIFI BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
339S0040	1	MURATA BT/WIFI MODULE	U10_RF	Y	MURATA
339S0039	1	ALPS BT/WIFI MODULE	U10_RF	Y	ALPS
118S0012	1	RESISTER ID FOR MURATA	R61_RF	Y	MURATA
118S0012	1	RESISTER ID FOR ALPS	R6_RF	Y	ALPS

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	SCALE NONE SHEET 1 OF 9



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	D	051-7340	02
SCALE	SHEET		OF
NONE	2		9

Table with columns: Title, Design, Date, Base nets and synonyms, Base Signal, Synonyms, Location. Includes sections for Base nets and synonyms for single_brd_lib.MLB and Base Signal.

Table with columns: Base Signal, Synonyms, Location. Lists various signals and their locations across multiple pages.

Table with columns: Base Signal, Synonyms, Location. Lists various signals and their locations across multiple pages.

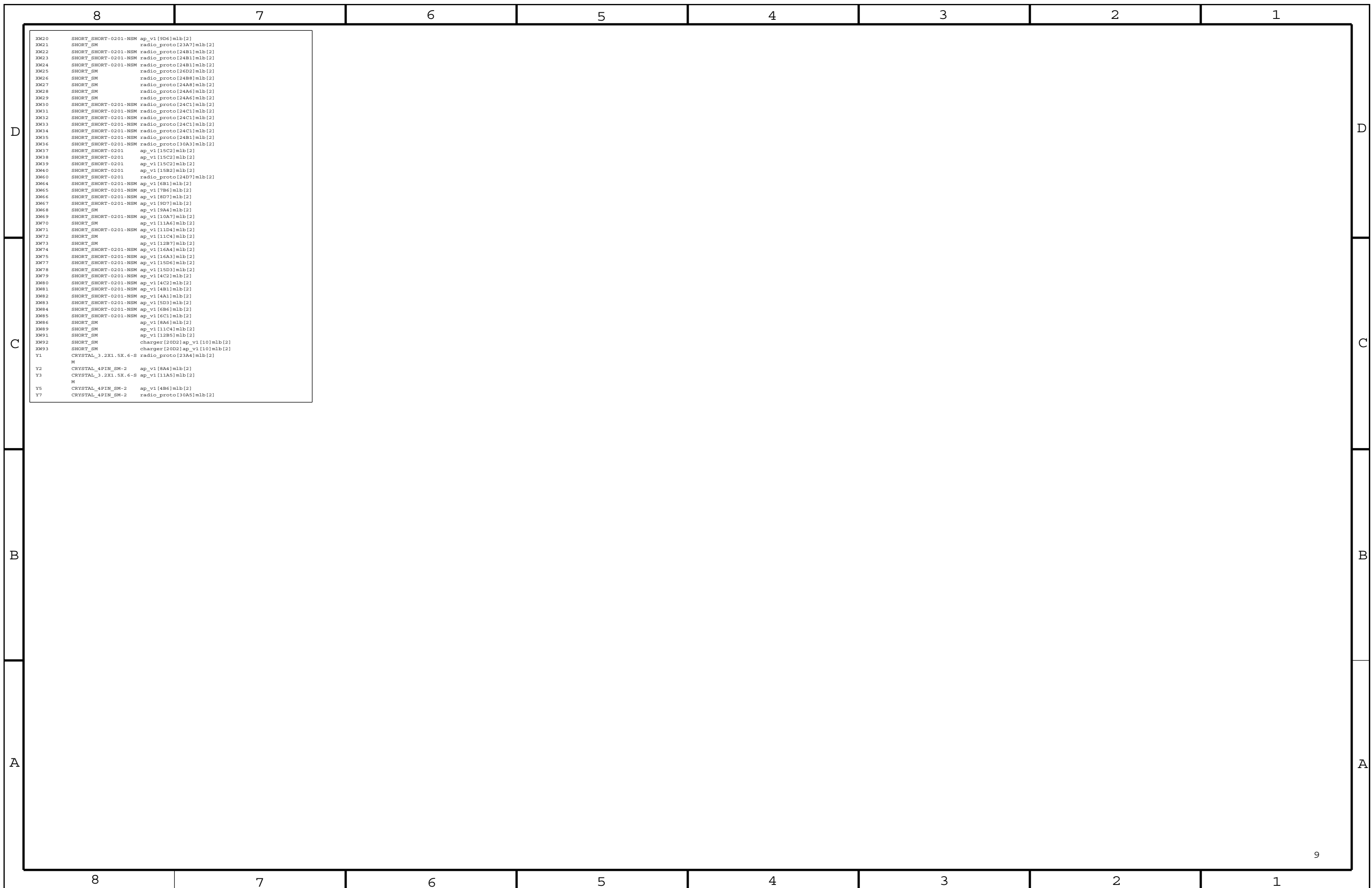
Table with columns: Base Signal, Synonyms, Location. Lists various signals and their locations across multiple pages.

Table with columns: Base Signal, Synonyms, Location. Lists various signals and their locations across multiple pages.

	8	7	6	5	4	3	2	1				
D	BT_RF_SW	@single_brd_lib.RADIO_PROT BT_RF_SW -	30C1	EBU_AD<3>	@single_brd_lib.RADIO_PROT EBU_AD<3> -	23C2 23C6	GPS_VDD_PLL	GPS_VDD_PLL -	28C6	RREF	RREF - @single_brd_lib.RADIO_PROT	24C4
	BT_RX	@single_brd_lib.RADIO_PROT BT_RX - @single_brd_lib.RADIO_PROT	30A1	EBU_AD<4>	@single_brd_lib.RADIO_PROT EBU_AD<4> -	23C2 23C6	GPS_VDD_RF	@single_brd_lib.RADIO_PROT GPS_VDD_RF -	28C6	RXIX_3G	RXIX_3G -	22C3 25D7
	BT_RX_SW	@single_brd_lib.RADIO_PROT BT_RX_SW -	30C1	EBU_AD<5>	@single_brd_lib.RADIO_PROT EBU_AD<5> -	23C2 23C6	GPS_VDD_VCO	@single_brd_lib.RADIO_PROT GPS_VDD_VCO -	28C5	RXIX_3G	@single_brd_lib.RADIO_PROT RXIX_3G -	22C3 25D7
	BT_STATE	@single_brd_lib.RADIO_PROT BT_STATE -	29B4 30B8	EBU_AD<6>	@single_brd_lib.RADIO_PROT EBU_AD<6> -	23C2 23C6	GSM850_RXN	@single_brd_lib.RADIO_PROT GSM850_RXN -	25C5 26D8	RXQX_3G	@single_brd_lib.RADIO_PROT RXQX_3G -	22C3 25D7
	BT_TX	@single_brd_lib.RADIO_PROT BT_TX - @single_brd_lib.RADIO_PROT	30B3	EBU_AD<7>	@single_brd_lib.RADIO_PROT EBU_AD<7> -	23C2 23C6	GSM850_RXN_UM	@single_brd_lib.RADIO_PROT GSM850_RXN_UM -	26D7	RXQ_3G	@single_brd_lib.RADIO_PROT RXQ_3G -	22C3 25D7
	BT_TXRX_EN	@single_brd_lib.RADIO_PROT BT_TXRX_EN -	30D1	EBU_AD<8>	@single_brd_lib.RADIO_PROT EBU_AD<8> -	23C2 23C6	GSM850_RXN_UM	@single_brd_lib.RADIO_PROT GSM850_RXN_UM -	26D7	RX_HOLD	@single_brd_lib.RADIO_PROT RX_HOLD -	28B7
	BT_TX_SW	@single_brd_lib.RADIO_PROT BT_TX_SW -	30B4 30C1	EBU_AD<9>	@single_brd_lib.RADIO_PROT EBU_AD<9> -	23C2 23C6	GSM850_RXP	@single_brd_lib.RADIO_PROT GSM850_RXP -	25C5 26D8	SD1_FB	@single_brd_lib.RADIO_PROT SD1_FB -	24B7
	BT_UART_CTS_N	@single_brd_lib.RADIO_PROT BT_UART_CTS_N -	27C8 29C6 31C5	EBU_AD<10>	@single_brd_lib.RADIO_PROT EBU_AD<10> -	23C2 23C6	GSM850_RXP_UM	@single_brd_lib.RADIO_PROT GSM850_RXP_UM -	26D7	SD1_OUT	@single_brd_lib.RADIO_PROT SD1_OUT -	24B7
	BT_UART_RTS_N	@single_brd_lib.RADIO_PROT BT_UART_RTS_N -	27C8 29C4 31C5	EBU_AD<11>	@single_brd_lib.RADIO_PROT EBU_AD<11> -	23C2 23C6	GSM_PA_VCC	@single_brd_lib.RADIO_PROT GSM_PA_VCC -	26D3	SD2_FB	@single_brd_lib.RADIO_PROT SD2_FB -	24B6
	BT_UART_RXD	@single_brd_lib.RADIO_PROT BT_UART_RXD -	27C8 29C6 31C5	EBU_AD<12>	@single_brd_lib.RADIO_PROT EBU_AD<12> -	23C2 23C6	GSM_TXBURST_IND	@single_brd_lib.RADIO_PROT GSM_TXBURST_IND -	22B8 22C7	SD2_FBL	@single_brd_lib.RADIO_PROT SD2_FBL -	24B6
	BT_UART_TXD	@single_brd_lib.RADIO_PROT BT_UART_TXD -	27C8 29C4 31C5	EBU_AD<13>	@single_brd_lib.RADIO_PROT EBU_AD<13> -	23C2 23C6	GSM_TXBURST_IND_N	@single_brd_lib.RADIO_PROT GSM_TXBURST_IND_N -	22B7 27C5	SD2_OUT	@single_brd_lib.RADIO_PROT SD2_OUT -	24B6
	BT_WAKE	@single_brd_lib.RADIO_PROT BT_WAKE -	31B5	EBU_AD<14>	@single_brd_lib.RADIO_PROT EBU_AD<14> -	23C2 23C6	HB_TX	@single_brd_lib.RADIO_PROT HB_TX -	26C4	SD3_FB	@single_brd_lib.RADIO_PROT SD3_FB -	24B6
	BT_WLAN_ANT	@single_brd_lib.RADIO_PROT BT_WLAN_ANT -	30D4	EBU_AD<15>	@single_brd_lib.RADIO_PROT EBU_AD<15> -	23B6 23C2	HI_BAND_PA_IN	@single_brd_lib.RADIO_PROT HI_BAND_PA_IN -	25B5 26C2	SD3_FBL	@single_brd_lib.RADIO_PROT SD3_FBL -	24B6
	BT_WLAN_FLTOUT	@single_brd_lib.RADIO_PROT BT_WLAN_FLTOUT -	30D3	EBU_ADV*	@single_brd_lib.RADIO_PROT EBU_ADV* -	22C2 23A3 23B4 23B5	HI_BAND_PA_OUT	@single_brd_lib.RADIO_PROT HI_BAND_PA_OUT -	26C3	SD3_OUT	@single_brd_lib.RADIO_PROT SD3_OUT -	24B6
	BT_WLAN_RF_INOUT	@single_brd_lib.RADIO_PROT BT_WLAN_RF_INOUT -	30D3	EBU_BC0*	@single_brd_lib.RADIO_PROT EBU_BC0* -	23A2 23B1 23B5	HI_BAND_TX	@single_brd_lib.RADIO_PROT HI_BAND_TX -	26C5	SIMCRD_CLK	@single_brd_lib.RADIO_PROT SIMCRD_CLK -	22B7 27C5 31D3
	CELL_ANT	@single_brd_lib.RADIO_PROT CELL_ANT -	26D4	EBU_BC1*	@single_brd_lib.RADIO_PROT EBU_BC1* -	23A2 23B1 23B5	HOST_WAKE_WLAN	@single_brd_lib.RADIO_PROT HOST_WAKE_WLAN -	22A4 22D5 30A5	SIMCRD_IO	@single_brd_lib.RADIO_PROT SIMCRD_IO -	22B7 27B5 31D3
	CFG0	@single_brd_lib.RADIO_PROT CFG0 - @single_brd_lib.RADIO_PROT	22C2	EBU_BC2*	@single_brd_lib.RADIO_PROT EBU_BC2* -	23A2 23B1 23B5	INT_MIC_N	@single_brd_lib.RADIO_PROT INT_MIC_N -	22D1 27B8	SIMCRD_RST	@single_brd_lib.RADIO_PROT SIMCRD_RST -	22B7 27B5 31D3
	CFG1	@single_brd_lib.RADIO_PROT CFG1 - @single_brd_lib.RADIO_PROT	22C2	EBU_BFCLKI	@single_brd_lib.RADIO_PROT EBU_BFCLKI -	23B5	INT_MIC_P	@single_brd_lib.RADIO_PROT INT_MIC_P -	22D1 27B8	SIM_DETECT	@single_brd_lib.RADIO_PROT SIM_DETECT -	22C6 27B5 31D3
	CLK32K	@single_brd_lib.RADIO_PROT CLK32K -	22C3 22C7 28B7	EBU_BFCLKO	@single_brd_lib.RADIO_PROT EBU_BFCLKO -	22C3 23B5	IPC_MISO	@single_brd_lib.RADIO_PROT IPC_MISO -	22A4 27C5	SMPPOWER_SPKR+	@single_brd_lib.RADIO_PROT SMPPOWER_SPKR+ -	24B3 27C8
	CLKOUT0	@single_brd_lib.RADIO_PROT CLKOUT0 -	22C3 22C8	EBU_CS0*	@single_brd_lib.RADIO_PROT EBU_CS0* -	23A3 23B4 23B5	IPC_MOSI	@single_brd_lib.RADIO_PROT IPC_MOSI -	22A5 27C5	SMPPOWER_SPKR-	@single_brd_lib.RADIO_PROT SMPPOWER_SPKR- -	24B3 27C8
	CLK_3G	@single_brd_lib.RADIO_PROT CLK_3G -	22B3 25C7	EBU_CS1*	@single_brd_lib.RADIO_PROT EBU_CS1* -	23A3 23B1 23B5	IPC_MRDY	@single_brd_lib.RADIO_PROT IPC_MRDY -	22A5 27B5	TRACECLK	@single_brd_lib.RADIO_PROT TRACECLK -	22B7 27C4
	CLK_GPS	@single_brd_lib.RADIO_PROT CLK_GPS -	28B5 28D2	EBU_CS3*	@single_brd_lib.RADIO_PROT EBU_CS3* -	22C3 23A3 23B5	IPC_SCLK	@single_brd_lib.RADIO_PROT IPC_SCLK -	22A5 27C5	TRACEPKT<0>	@single_brd_lib.RADIO_PROT TRACEPKT<0> -	22A7 27C1
	CLK_PM	@single_brd_lib.RADIO_PROT CLK_PM -	22C7 25C7	EBU_RD*	@single_brd_lib.RADIO_PROT EBU_RD* -	22C3 23A3 23B1 23B4 23B5	IPC_SRDY	@single_brd_lib.RADIO_PROT IPC_SRDY -	22B5 27B5	TRACEPKT<1>	@single_brd_lib.RADIO_PROT TRACEPKT<1> -	22A7 27C1
	CODEC_LINEIN_N	@single_brd_lib.RADIO_PROT CODEC_LINEIN_N -	22C5 24B3 27C8	EBU_WAIT*	@single_brd_lib.RADIO_PROT EBU_WAIT* -	22C3 23B5 23C2	IX_PM	@single_brd_lib.RADIO_PROT IX_PM -	22D7 25C7	TRACEPKT<2>	@single_brd_lib.RADIO_PROT TRACEPKT<2> -	22A7 27C1
	CODEC_LINEIN_P	@single_brd_lib.RADIO_PROT CODEC_LINEIN_P -	22C5 24B3 27C8	EBU_WX*	@single_brd_lib.RADIO_PROT EBU_WX* -	22C3 23A3 23B1 23B4 23B5	I_PM	@single_brd_lib.RADIO_PROT I_PM -	22D7 25C7	TRACEPKT<3>	@single_brd_lib.RADIO_PROT TRACEPKT<3> -	22A7 27C1
CODEC_LINEOUT_N	@single_brd_lib.RADIO_PROT CODEC_LINEOUT_N -	22C3 27B8	EGSM_RXN	@single_brd_lib.RADIO_PROT EGSM_RXN -	25C5 26C8	LB_TX	@single_brd_lib.RADIO_PROT LB_TX -	26C4	TRACEPKT<4>	@single_brd_lib.RADIO_PROT TRACEPKT<4> -	22A7 27C1	
CODEC_LINEOUT_P	@single_brd_lib.RADIO_PROT CODEC_LINEOUT_P -	22B3 27B8	EGSM_RXN_UM	@single_brd_lib.RADIO_PROT EGSM_RXN_UM -	26C7	LOAD	@single_brd_lib.RADIO_PROT LOAD -	22B7 24A2	TRACEPKT<5>	@single_brd_lib.RADIO_PROT TRACEPKT<5> -	22A7 27C1	
CURRENT_SENSE_SRC	@single_brd_lib.RADIO_PROT CURRENT_SENSE_SRC -	24B4	EGSM_RXP	@single_brd_lib.RADIO_PROT EGSM_RXP -	25C5 26D8	LOCDET	@single_brd_lib.RADIO_PROT LOCDET -	22C1 25C7	TRACEPKT<6>	@single_brd_lib.RADIO_PROT TRACEPKT<6> -	22A7 27C1	
DA_3G	@single_brd_lib.RADIO_PROT DA_3G - @single_brd_lib.RADIO_PROT	22C3 25D7	EGSM_RXP_UM	@single_brd_lib.RADIO_PROT EGSM_RXP_UM -	26D7	LO_BAND_PA_IN	@single_brd_lib.RADIO_PROT LO_BAND_PA_IN -	25B5 26C2	TRACEPKT<7>	@single_brd_lib.RADIO_PROT TRACEPKT<7> -	22A7 27C4	
DA_PM	@single_brd_lib.RADIO_PROT DA_PM - @single_brd_lib.RADIO_PROT	22C7 25C7	EN_3G	@single_brd_lib.RADIO_PROT EN_3G -	22B3 25D7	LO_BAND_PA_OUT	@single_brd_lib.RADIO_PROT LO_BAND_PA_OUT -	26C3	TRACESYNC	@single_brd_lib.RADIO_PROT TRACESYNC -	22B7 27C1	
DCS_RXN	@single_brd_lib.RADIO_PROT DCS_RXN -	25C5 26C8	EN_PM	@single_brd_lib.RADIO_PROT EN_PM -	22C7 25C7	LO_BAND_TX	@single_brd_lib.RADIO_PROT LO_BAND_TX -	26C5	TRIG_IN	@single_brd_lib.RADIO_PROT TRIG_IN -	22B7 27C1	
DCS_RXN_UM	@single_brd_lib.RADIO_PROT DCS_RXN_UM -	26C7	EXT_SDIO_VCC	@single_brd_lib.RADIO_PROT EXT_SDIO_VCC -	27B2 30D7 31C3	MASTERON_3G	@single_brd_lib.RADIO_PROT MASTERON_3G -	22C1 25C7	TXBAND1_PA_DETECT	@single_brd_lib.RADIO_PROT TXBAND1_PA_DETECT -	26B3	
DCS_RXP	@single_brd_lib.RADIO_PROT DCS_RXP -	25C5 26C8	F2_OE*	@single_brd_lib.RADIO_PROT F2_OE* -	23B3	MIC1_N	@single_brd_lib.RADIO_PROT MIC1_N -	22C5 22D4	TXBAND2_PA_DETECT	@single_brd_lib.RADIO_PROT TXBAND2_PA_DETECT -	26B7	
DCS_RXP_UM	@single_brd_lib.RADIO_PROT DCS_RXP_UM -	26C7	F32K_BB	@single_brd_lib.RADIO_PROT F32K_BB -	23A5	MIC1_P	@single_brd_lib.RADIO_PROT MIC1_P -	22B5 22D4	TXBAND5_PA_DETECT	@single_brd_lib.RADIO_PROT TXBAND5_PA_DETECT -	26B5	
DEBUG_RST_N	@single_brd_lib.RADIO_PROT DEBUG_RST_N -	24C7 27C4	FEM_ANT	@single_brd_lib.RADIO_PROT FEM_ANT -	26C5	MIC2_N	@single_brd_lib.RADIO_PROT MIC2_N -	22C4	TXGC_3G	@single_brd_lib.RADIO_PROT TXGC_3G -	22C3 25C7	
EBU_A<0>	@single_brd_lib.RADIO_PROT EBU_A<0> -	23A2 23D3 23D6	FEM_VC1	@single_brd_lib.RADIO_PROT FEM_VC1 -	22C7 26D6	MIC2_P	@single_brd_lib.RADIO_PROT MIC2_P -	22B4	TXIX_3G	@single_brd_lib.RADIO_PROT TXIX_3G -	22C3 25C7	
EBU_A<24..0>	@single_brd_lib.RADIO_PROT EBU_A<24..0> -	23D4 23D5	FEM_VC2	@single_brd_lib.RADIO_PROT FEM_VC2 -	22D8 26D6	MIC_N	@single_brd_lib.RADIO_PROT MIC_N -	22D3 22D4	TXI_3G	@single_brd_lib.RADIO_PROT TXI_3G -	22C3 25C7	
EBU_A<1>	@single_brd_lib.RADIO_PROT EBU_A<1> -	23D3 23D6	FEM_VC3	@single_brd_lib.RADIO_PROT FEM_VC3 -	22C7 26D6	MON1	@single_brd_lib.RADIO_PROT MON1 -	22B7 31D8	TXON_PA	@single_brd_lib.RADIO_PROT TXON_PA -	22C7 26C2 28B8	
EBU_A<2>	@single_brd_lib.RADIO_PROT EBU_A<2> -	23C3 23D6	FEM_VC4	@single_brd_lib.RADIO_PROT FEM_VC4 -	22C1 26D4	MON2	@single_brd_lib.RADIO_PROT MON2 -	22B7 31D8	TXQX_3G	@single_brd_lib.RADIO_PROT TXQX_3G -	22C3 25C7	
EBU_A<3>	@single_brd_lib.RADIO_PROT EBU_A<3> -	23C3 23D6	FLASH_WP	@single_brd_lib.RADIO_PROT FLASH_WP -	23A5 23B5	MON3	@single_brd_lib.RADIO_PROT MON3 -	22C5	TXQ_3G	@single_brd_lib.RADIO_PROT TXQ_3G -	22C3 25C7	
EBU_A<4>	@single_brd_lib.RADIO_PROT EBU_A<4> -	23C3 23D6	F_RESET_N	@single_brd_lib.RADIO_PROT F_RESET_N -	23B4 23B4	MON4	@single_brd_lib.RADIO_PROT MON4 -	22C5	TX_BAND1_PA_IN	@single_brd_lib.RADIO_PROT TX_BAND1_PA_IN -	26A3	
EBU_A<5>	@single_brd_lib.RADIO_PROT EBU_A<5> -	23C3 23D6	GPS_1V8	@single_brd_lib.RADIO_PROT GPS_1V8 -	28B5 28B8 28B8 28C5 28C7	NTC	@single_brd_lib.RADIO_PROT NTC -	24D8 27C8	TX_BAND2_PA_IN	@single_brd_lib.RADIO_PROT TX_BAND2_PA_IN -	26A7	
EBU_A<6>	@single_brd_lib.RADIO_PROT EBU_A<6> -	23C3 23D6	GPS_ANT	@single_brd_lib.RADIO_PROT GPS_ANT -	28B1	ONOFF1*	@single_brd_lib.RADIO_PROT ONOFF1* -	24C5	TX_BAND2_PA_IN2	@single_brd_lib.RADIO_PROT TX_BAND2_PA_IN2 -	26A8	
EBU_A<7>	@single_brd_lib.RADIO_PROT EBU_A<7> -	23C3 23D6	GPS_IRQ	@single_brd_lib.RADIO_PROT GPS_IRQ -	22D5 28B8	OSC32K	@single_brd_lib.RADIO_PROT OSC32K -	23A5	TX_BAND5_PA_IN	@single_brd_lib.RADIO_PROT TX_BAND5_PA_IN -	26A5	
EBU_A<8>	@single_brd_lib.RADIO_PROT EBU_A<8> -	23C3 23D6	GPS_LNA_N7CH	@single_brd_lib.RADIO_PROT GPS_LNA_N7CH -	28A2	P1_CRE	@single_brd_lib.RADIO_PROT P1_CRE -	23A2 23A5 23B1	TX_BAND5_PA_IN2	@single_brd_lib.RADIO_PROT TX_BAND5_PA_IN2 -	26A6	
EBU_A<9>	@single_brd_lib.RADIO_PROT EBU_A<9> -	23C3 23D6	GPS_LNA_ON	@single_brd_lib.RADIO_PROT GPS_LNA_ON -	28B4	PA_LEVEL	@single_brd_lib.RADIO_PROT PA_LEVEL -	22D7 26C1	TX_BIAS_BAND1	@single_brd_lib.RADIO_PROT TX_BIAS_BAND1 -	26A3	
EBU_A<10>	@single_brd_lib.RADIO_PROT EBU_A<10> -	23C3 23D6	GPS_OMS1	@single_brd_lib.RADIO_PROT GPS_OMS1 -	28B5	PA_MODE	@single_brd_lib.RADIO_PROT PA_MODE -	22C7 26C2	TX_BIAS_BAND2	@single_brd_lib.RADIO_PROT TX_BIAS_BAND2 -	26A6	
EBU_A<11>	@single_brd_lib.RADIO_PROT EBU_A<11> -	23C3 23D6	GPS_ON	@single_brd_lib.RADIO_PROT GPS_ON -	22D5 28B7	PA_PE_G	@single_brd_lib.RADIO_PROT PA_PE_G -	30B6	TX_BIAS_BAND5	@single_brd_lib.RADIO_PROT TX_BIAS_BAND5 -	26A4	
EBU_A<12>	@single_brd_lib.RADIO_PROT EBU_A<12> -	23C3 23D6	GPS_RF_A1	@single_brd_lib.RADIO_PROT GPS_RF_A1 -	28B3	PCS_RXN	@single_brd_lib.RADIO_PROT PCS_RXN -	25C5 26C8	TX_HBX_3G	@single_brd_lib.RADIO_PROT TX_HBX_3G -	25C5 26A4	
EBU_A<13>	@single_brd_lib.RADIO_PROT EBU_A<13> -	23C3 23D6	GPS_RF_A0	@single_brd_lib.RADIO_PROT GPS_RF_A0 -	28B4	PCS_RXN_UM	@single_brd_lib.RADIO_PROT PCS_RXN_UM -	26C6	TX_HB_3G	@single_brd_lib.RADIO_PROT TX_HB_3G -	25C5 26A4	
EBU_A<14>	@single_brd_lib.RADIO_PROT EBU_A<14> -	23C3 23D6	GPS_RF_BAL1	@single_brd_lib.RADIO_PROT GPS_RF_BAL1 -	28B5	PCS_RXP	@single_brd_lib.RADIO_PROT PCS_RXP -	25C5 26C8	TX_LBX_3G	@single_brd_lib.RADIO_PROT TX_LBX_3G -	25C5 26A6	
EBU_A<15>	@single_brd_lib.RADIO_PROT EBU_A<15> -	23C3 23D6	GPS_RF_BAL2	@single_brd_lib.RADIO_PROT GPS_RF_BAL2 -	28B5	PCS_RXP_UM	@single_brd_lib.RADIO_PROT PCS_RXP_UM -	26C6	TX_LB_3G	@single_brd_lib.RADIO_PROT TX_LB_3G -	25C5 26A6	
EBU_A<16>	@single_brd_lib.RADIO_PROT EBU_A<16> -	23C3 23C6	GPS_RF_FIL	@single_brd_lib.RADIO_PROT GPS_RF_FIL -	28B2	PDETECT_IN	@single_brd_lib.RADIO_PROT PDETECT_IN -	30B6	TX_MBX_3G	@single_brd_lib.RADIO_PROT TX_MBX_3G -	25C5 26A8	
EBU_A<17>	@single_brd_lib.RADIO_PROT EBU_A<17> -	23C3 23C6	GPS_RST_N	@single_brd_lib.RADIO_PROT GPS_RST_N -	22D5 28B5	PDETECT_OUT	@single_brd_lib.RADIO_PROT PDETECT_OUT -	30B3	TX_MB_3G	@single_brd_lib.RADIO_PROT TX_MB_3G -	25C5 26A8	
EBU_A<18>	@single_brd_lib.RADIO_PROT EBU_A<18> -	23C3 23C6	GPS_SCL2	@single_brd_lib.RADIO_PROT GPS_SCL2 -	22A5 28B8	PIPESTAT0	@single_brd_lib.RADIO_PROT PIPESTAT0 -	22B7 27C4	UMTS_RSTN	@single_brd_lib.RADIO_PROT UMTS_RSTN -	22D3 22D5	
EBU_A<19>	@single_brd_lib.RADIO_PROT EBU_A<19> -	23C3 23C6	GPS_SCL2	@single_brd_lib.RADIO_PROT GPS_SCL2 -	22A5 28B8	PIPESTAT1	@single_brd_lib.RADIO_PROT PIPESTAT1 -	22B7 27C4	UMTS_RSTN	@single_brd_lib.RADIO_PROT UMTS_RSTN -	22D3 22D5	
EBU_A<20>	@single_brd_lib.RADIO_PROT EBU_A<20> -	23C3 23C6	GPS_SDA2	@single_brd_lib.RADIO_PROT GPS_SDA2 -	22A5 28B8	PIPESTAT2	@single_brd_lib.RADIO_PROT PIPESTAT2 -	22B7 27C1	UMTS_RTCK	@single_brd_lib.RADIO_PROT UMTS_RTCK -	22B3 27C1	
EBU_A<21>	@single_brd_lib.RADIO_PROT EBU_A<21> -	23C3 23C6	GPS_UART_CTS_N	@single_brd_lib.RADIO_PROT GPS_UART_CTS_N -	27B4 28A7 28B8	PM_INT	@single_brd_lib.RADIO_PROT PM_INT -	22A5 24A4 24C7	UMTS_RXD	@single_brd_lib.RADIO_PROT UMTS_RXD -	22A5 27C8	
EBU_A<22>	@single_brd_lib.RADIO_PROT EBU_A<22> -	23C3 23C6	GPS_UART_RTS_N	@single_brd_lib.RADIO_PROT GPS_UART_RTS_N -	27B4 28A7 28B8	PM_SCL1	@single_brd_lib.RADIO_PROT PM_SCL1 -	22B5 24C7	UMTS_TDI	@single_brd_lib.RADIO_PROT UMTS_TDI -	22B3 27C4	
EBU_A<23>	@single_brd_lib.RADIO_PROT EBU_A<23> -	23C3 23C6	GPS_UART_RX	@single_brd_lib.RADIO_PROT GPS_UART_RX -	27B4 28A7 28B8	PM_SDA1	@single_brd_lib.RADIO_PROT PM_SDA1 -	22A5 24C7	UMTS_TDO	@single_brd_lib.RADIO_PROT UMTS_TDO -	22B3 27C1	
EBU_A<24>	@single_brd_lib.RADIO_PROT EBU_A<24> -	23C3 23C6	GPS_UART_TX	@single_brd_lib.RADIO_PROT GPS_UART_TX -	27B4 28B7 28B8	PM_VCXOEN	@single_brd_lib.RADIO_PROT PM_VCXOEN -	23A5 23B4 23B5 24A4 24C7	UMTS_TMS	@single_brd_lib.RADIO_PROT UMTS_TMS -	22B3 27C1	
EBU_AD<0>	@single_brd_lib.RADIO_PROT EBU_AD<0> -	23A2 23C6 23D2	GPS_VCC_CORE	@single_brd_lib.RADIO_PROT GPS_VCC_CORE -	28C7	QX_PM	@single_brd_lib.RADIO_PROT QX_PM -	22D7 25C7	UMTS_TRST_N	@single_brd_lib.RADIO_PROT UMTS_TRST_N -	22B3 27C1	
EBU_AD<15..0>	@single_brd_lib.RADIO_PROT EBU_AD<15..0> -	23C5 23D1	GPS_VDD_CAP	@single_brd_lib.RADIO_PROT GPS_VDD_CAP -	28C5	Q_PM	@single_brd_lib.RADIO_PROT Q_PM -	22D7 25C7	UMTS_TXD	@single_brd_lib.RADIO_PROT UMTS_TXD -	22A5	

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D	VAFC_2V65	@single_brd_lib.RADIO_PROT VAFC_2V65 -	24C1 28D2	WDOG	WDOG - @single_brd_lib.RADIO_PROT	22C7 24A4 24C7		
	VAFC_SRC	@single_brd_lib.RADIO_PROT VAFC_SRC -	24C3	WLANBT_LNA_VCTL	WLANBT_LNA_VCTL -	30A4		
	VAUDIOA	@single_brd_lib.RADIO_PROT VAUDIOA -	23B8 24C1	WLANPAVCC1	WLANPAVCC1 -	30C3		
	VAUDIOA_SRC	@single_brd_lib.RADIO_PROT VAUDIOA_SRC -	24C3	WLANPAVCC3	WLANPAVCC3 -	30C3		
	VAUDIOB	@single_brd_lib.RADIO_PROT VAUDIOB -	22B3 23A8 24C1	WLANRX_BAL_IN	WLANRX_BAL_IN -	30B4		
	VAUDIOB_SRC	@single_brd_lib.RADIO_PROT VAUDIOB_SRC -	24C3	WLANRX_BAL_N	WLANRX_BAL_N -	30B4		
	VAUX	@single_brd_lib.RADIO_PROT VAUX - @single_brd_lib.RADIO_PROT	24C1 25D4	WLANRX_BAL_P	WLANRX_BAL_P -	30A4		
	VAUX_SRC	@single_brd_lib.RADIO_PROT VAUX_SRC -	24C3	WLANRX_N	WLANRX_N -	30B5		
	VC1	@single_brd_lib.RADIO_PROT VC1 - @single_brd_lib.RADIO_PROT	26D5	WLANRX_OR_BTTXRX	WLANRX_OR_BTTXRX -	30A5 30D2 30D2		
	VC2	@single_brd_lib.RADIO_PROT VC2 - @single_brd_lib.RADIO_PROT	26D5	WLANRX_P	WLANRX_P -	30A5		
	VC3	@single_brd_lib.RADIO_PROT VC3 - @single_brd_lib.RADIO_PROT	26D5	WLAN_1V8_EN	WLAN_1V8_EN -	22D5 30D8		
	VC4	@single_brd_lib.RADIO_PROT VC4 - @single_brd_lib.RADIO_PROT	26D5	WLAN_32K_CLK	WLAN_32K_CLK -	22C8 30A8		
	VCA	@single_brd_lib.RADIO_PROT VCA - @single_brd_lib.RADIO_PROT	22C1 22D7	WLAN_ACTIVE	WLAN_ACTIVE -	29B4 30B8		
	VCC_WLANPA	@single_brd_lib.RADIO_PROT VCC_WLANPA -	30C4	WLAN_BOOTCFG0	WLAN_BOOTCFG0 -	27B1 30B8 31C3		
	VCC_XO	@single_brd_lib.RADIO_PROT VCC_XO -	25B8	WLAN_BOOTCFG1	WLAN_BOOTCFG1 -	27B1 30B8 31C3		
	VCC_RC	@single_brd_lib.RADIO_PROT VCC_RC -	25B5	WLAN_BT_RX_EN	WLAN_BT_RX_EN -	30A4 30D1		
	VDD1V5SRF	@single_brd_lib.RADIO_PROT VDD1V5SRF -	25D2	WLAN_CLK_REQ	WLAN_CLK_REQ -	24C7 30A6		
	VDDDIG2V8	@single_brd_lib.RADIO_PROT VDDDIG2V8 -	25B2	WLAN_GPIOS	WLAN_GPIOS -	30A6		
	VDDDIGANA1V5	@single_brd_lib.RADIO_PROT VDDDIGANA1V5 -	25D2	WLAN_JTAG_EN_N	WLAN_JTAG_EN_N -	30A6		
	VDDFSYS2V8	@single_brd_lib.RADIO_PROT VDDFSYS2V8 -	25C2	WLAN_PA_RFIN	WLAN_PA_RFIN -	30C4		
	VDDMIX2V8	@single_brd_lib.RADIO_PROT VDDMIX2V8 -	25C2	WLAN_RESET	WLAN_RESET -	22A7 27C8 30A8		
	VDDRFX2V8	@single_brd_lib.RADIO_PROT VDDRFX2V8 -	25C3	WLAN_RESET*	WLAN_RESET* -	22D4 30A5 30A8		
	VDDSD1_IN	@single_brd_lib.RADIO_PROT VDDSD1_IN -	24D5	WLAN_REXT	WLAN_REXT -	30B6		
	VDDSD2_IN	@single_brd_lib.RADIO_PROT VDDSD2_IN -	24D5	WLAN_RX	WLAN_RX -	30B1		
	VDDSD3_IN	@single_brd_lib.RADIO_PROT VDDSD3_IN -	24D5	WLAN_SDIO_CLK	WLAN_SDIO_CLK -	27C5 30B8		
VDDTX2V8	@single_brd_lib.RADIO_PROT VDDTX2V8 -	25C3	WLAN_SDIO_CMD	WLAN_SDIO_CMD -	27C5 30B8			
VDD_3GLNA	@single_brd_lib.RADIO_PROT VDD_3GLNA -	25B5	WLAN_SDIO_DATA<0>	WLAN_SDIO_DATA<0> -	27C5 30B8			
VDD_BTDIRG	@single_brd_lib.RADIO_PROT VDD_BTDIRG -	29A4 29A4 29A5 29B7 29D4	WLAN_SDIO_DATA<1>	WLAN_SDIO_DATA<1> -	27C5 30B8			
VDD_BTRF_1V8	@single_brd_lib.RADIO_PROT VDD_BTRF_1V8 -	29D6	WLAN_SDIO_DATA<2>	WLAN_SDIO_DATA<2> -	27C5 30B8			
VDD_BT_1V8OUT	@single_brd_lib.RADIO_PROT VDD_BT_1V8OUT -	29C4 29D6	WLAN_SDIO_DATA<3>	WLAN_SDIO_DATA<3> -	27C5 30B8			
VDD_BT_2V85	@single_brd_lib.RADIO_PROT VDD_BT_2V85 -	24B1 29B6 30D1	WLAN_TCK	WLAN_TCK -	27B2 30B8			
VDD_E_FUSE	@single_brd_lib.RADIO_PROT VDD_E_FUSE -	22B3	WLAN_TDI_UART_SIN	WLAN_TDI_UART_SIN -	27B2 30B8 31C3			
VDD_FUSE	@single_brd_lib.RADIO_PROT VDD_FUSE -	23B7	WLAN_TDO	WLAN_TDO -	27B1 30B8			
VDD_LNA_3V1	@single_brd_lib.RADIO_PROT VDD_LNA_3V1 -	30A3	WLAN_TMS	WLAN_TMS -	27B1 30B8			
VDD_WLAN_1V2	@single_brd_lib.RADIO_PROT VDD_WLAN_1V2 -	30C6	WLAN_TMS2	WLAN_TMS2 -	30B8			
VDD_WLAN_1V8A	@single_brd_lib.RADIO_PROT VDD_WLAN_1V8A -	30D7	WLAN_TRST_N	WLAN_TRST_N -	27B1 30B8			
VDD_WLAN_3V1	@single_brd_lib.RADIO_PROT VDD_WLAN_3V1 -	24C1 30A2 30C6 30D2	WLAN_TX_EN	WLAN_TX_EN -	30B1 30B5			
VDD_WLAN_IO	@single_brd_lib.RADIO_PROT VDD_WLAN_IO -	30A8 30C5 30D5	WLAN_TX_OUT	WLAN_TX_OUT -	30B6			
VIO	@single_brd_lib.RADIO_PROT VIO - @single_brd_lib.RADIO_PROT	22B3 23B7 23C8 24B1 24C7	WLAN_UART_SOUT	WLAN_UART_SOUT -	27B1 30A5 31C3			
VIO_SRC	@single_brd_lib.RADIO_PROT VIO_SRC -	27C4 24B3	WLAN_XTAL_IN	WLAN_XTAL_IN -	30A5 30B5			
VMICN	@single_brd_lib.RADIO_PROT VMICN - @single_brd_lib.RADIO_PROT	22B5 22D2	WLAN_XTAL_OUT	WLAN_XTAL_OUT -	30A4 30B5			
VMICP	@single_brd_lib.RADIO_PROT VMICP - @single_brd_lib.RADIO_PROT	22B5 22D1						
VMODE	@single_brd_lib.RADIO_PROT VMODE - @single_brd_lib.RADIO_PROT	22C1 26B8						
VMODE_DIV	@single_brd_lib.RADIO_PROT VMODE_DIV -	26B6						
VPLL	@single_brd_lib.RADIO_PROT VPLL - @single_brd_lib.RADIO_PROT	23B8 24B1						
VPLL_SIG	@single_brd_lib.RADIO_PROT VPLL_SIG -	24B3						
VRAMP	@single_brd_lib.RADIO_PROT VRAMP - @single_brd_lib.RADIO_PROT	26C2						
VREF	@single_brd_lib.RADIO_PROT VREF - @single_brd_lib.RADIO_PROT	24C4						
VREG_IN	@single_brd_lib.RADIO_PROT VREG_IN -	30B3						
VRF1V5	@single_brd_lib.RADIO_PROT VRF1V5 -	24B1 25D3						
VRF1_2V8	@single_brd_lib.RADIO_PROT VRF1_2V8 -	22D8 24C1 25B5 25B8 25C4						
VRF1_2V8_FIL	@single_brd_lib.RADIO_PROT VRF1_2V8_FIL -	25C7 26A4 26A7 26D4						
VRF1_SRC	@single_brd_lib.RADIO_PROT VRF1_SRC -	26D5						
VRF2_SRC	@single_brd_lib.RADIO_PROT VRF2_SRC -	24B3						
VRF3	@single_brd_lib.RADIO_PROT VRF3 - @single_brd_lib.RADIO_PROT	24B1 28C3 28C5						
VRF3_GPS_LNA	@single_brd_lib.RADIO_PROT VRF3_GPS_LNA -	28B3						
VRF3_SRC	@single_brd_lib.RADIO_PROT VRF3_SRC -	24B3						
VRTC	@single_brd_lib.RADIO_PROT VRTC - @single_brd_lib.RADIO_PROT	23B8 24B6						
VSD1	@single_brd_lib.RADIO_PROT VSD1 - @single_brd_lib.RADIO_PROT	22B2 23D8 24B8						
VSD1_CMD	@single_brd_lib.RADIO_PROT VSD1_CMD -	24B7						
VSD2	@single_brd_lib.RADIO_PROT VSD2 - @single_brd_lib.RADIO_PROT	22A3 22A4 22A8 23C8 23C8 23D4 24B8 24C4 25D4 27C4 28D4						
VSD3	@single_brd_lib.RADIO_PROT VSD3 - @single_brd_lib.RADIO_PROT	24A8 30D5						
VSIM	@single_brd_lib.RADIO_PROT VSIM - @single_brd_lib.RADIO_PROT	22C8 23B8 24B3 27C5 31D3						
VTXCO	@single_brd_lib.RADIO_PROT VTXCO - @single_brd_lib.RADIO_PROT	28D3						
VTUNE	@single_brd_lib.RADIO_PROT VTUNE - @single_brd_lib.RADIO_PROT	25B8						
VUMTS_SIG	@single_brd_lib.RADIO_PROT VUMTS_SIG -	24B3						
VUSB_SRC	@single_brd_lib.RADIO_PROT VUSB_SRC -	24B3						
VVIB	@single_brd_lib.RADIO_PROT VVIB - @single_brd_lib.RADIO_PROT	24B1 27C8						
VVIB_SRC	@single_brd_lib.RADIO_PROT VVIB_SRC -	24B3						
V_FLASH	@single_brd_lib.RADIO_PROT V_FLASH -	23C4 23D3 23D4						
V_PSRAM	@single_brd_lib.RADIO_PROT V_PSRAM -	23D3						

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Title: Cref Part Report															
Design: mlb															
Date: Apr 3 18:21:53 2007															
C1	CAP_603	charger [20C7] ap_v1 [10] mlb [2]	C126	CAP_201	radio_proto [26A7] mlb [2]	C278	CAP_201	radio_proto [26A6] mlb [2]	C509	CAP_805	ap_v1 [11A2] mlb [2]				
C2	CAP_603	charger [20C7] ap_v1 [10] mlb [2]	C127	CAP_201	radio_proto [22C4] mlb [2]	C279	CAP_201	radio_proto [26A4] mlb [2]	C510	CAP_603	ap_v1 [11C2] mlb [2]				
C3	CAP_603	charger [20C7] ap_v1 [10] mlb [2]	C128	CAP_201	radio_proto [26C4] mlb [2]	C280	CAP_201	radio_proto [26A3] mlb [2]	C511	CAP_201	ap_v1 [11C2] mlb [2]				
C4	CAP_402	charger [20A5] ap_v1 [10] mlb [2]	C129	CAP_201	radio_proto [26C4] mlb [2]	C281	CAP_201	radio_proto [28C4] mlb [2]	C512	CAP_402-LF	ap_v1 [11B1] mlb [2]				
C5	CAP_201	charger [20B4] ap_v1 [10] mlb [2]	C130	CAP_201	radio_proto [26D2] mlb [2]	C282	CAP_402	radio_proto [24A6] mlb [2]	C513	CAP_402-LF	ap_v1 [11B1] mlb [2]				
C6	CAP_603	charger [20B4] ap_v1 [10] mlb [2]	C131	CAP_201	radio_proto [30D6] mlb [2]	C283	CAP_201	radio_proto [26B8] mlb [2]	C514	CAP_P_CASE-AL-SM	ap_v1 [12C7] mlb [2]				
C7	CAP_201	radio_proto [25B6] mlb [2]	C132	CAP_201	ap_v1 [11D4] mlb [2]	C284	CAP_201	radio_proto [30B5] mlb [2]	C515	CAP_P_CASE-AL-SM	ap_v1 [12C7] mlb [2]				
C8	CAP_603	charger [20A5] ap_v1 [10] mlb [2]	C133	CAP_201	radio_proto [22C4] mlb [2]	C285	CAP_201	radio_proto [30C4] mlb [2]	C516	CAP_402	ap_v1 [16A3] mlb [2]				
C9	CAP_201	radio_proto [29C6] mlb [2]	C134	CAP_201	radio_proto [22B4] mlb [2]	C287	CAP_201	radio_proto [28D2] mlb [2]	C518	CAP_201	ap_v1 [16B1] mlb [2]				
C10	CAP_402	ap_v1 [15D4] mlb [2]	C135	CAP_P_CASE-A3	radio_proto [26D2] mlb [2]	C288	CAP_603	radio_proto [24B2] mlb [2]	C519	CAP_201	ap_v1 [16B1] mlb [2]				
C11	CAP_201	radio_proto [29C6] mlb [2]	C136	CAP_201	radio_proto [30A5] mlb [2]	C289	CAP_201	radio_proto [22D8] mlb [2]	C520	CAP_201	ap_v1 [17A6] mlb [2]				
C12	CAP_201	radio_proto [29C6] mlb [2]	C137	CAP_402	ap_v1 [11B3] mlb [2]	C290	CAP_201	radio_proto [22D1] mlb [2]	C521	CAP_603	ap_v1 [15D8] mlb [2]				
C13	CAP_201	ap_v1 [4A6] mlb [2]	C138	CAP_201	radio_proto [22B4] mlb [2]	C291	CAP_402-LF	radio_proto [28D3] mlb [2]	C522	CAP_402	ap_v1 [15A7] mlb [2]				
C14	CAP_201	ap_v1 [4A6] mlb [2]	C139	CAP_201	radio_proto [26C1] mlb [2]	C292	CAP_402	radio_proto [24D6] mlb [2]	C523	CAP_201	ap_v1 [15D7] mlb [2]				
C15	CAP_201	ap_v1 [4A6] mlb [2]	C140	CAP_603	radio_proto [24B8] mlb [2]	C293	CAP_402	radio_proto [24D6] mlb [2]	C524	CAP_201	ap_v1 [15D6] mlb [2]				
C16	CAP_201	ap_v1 [4D5] mlb [2]	C141	CAP_603	radio_proto [24B8] mlb [2]	C294	CAP_402	radio_proto [24D6] mlb [2]	C525	CAP_201	ap_v1 [15D6] mlb [2]				
C17	CAP_402	ap_v1 [4D5] mlb [2]	C142	CAP_201	radio_proto [22C4] mlb [2]	C295	CAP_201	radio_proto [30A3] mlb [2]	C526	CAP_402	ap_v1 [15D6] mlb [2]				
C18	CAP_402	ap_v1 [4D4] mlb [2]	C143	CAP_201	radio_proto [22B4] mlb [2]	C296	CAP_201	radio_proto [30B3] mlb [2]	C527	CAP_201	ap_v1 [15A6] mlb [2]				
C19	CAP_201	radio_proto [30C4] mlb [2]	C144	CAP_402	radio_proto [22B3] mlb [2]	C297	CAP_201	radio_proto [30B2] mlb [2]	C528	CAP_603	ap_v1 [15A5] mlb [2]				
C20	CAP_201	radio_proto [30C4] mlb [2]	C145	CAP_603	radio_proto [24B8] mlb [2]	C300	CAP_201	radio_proto [30D3] mlb [2]	C529	CAP_201	ap_v1 [15B2] mlb [2]				
C21	CAP_201	radio_proto [30B4] mlb [2]	C146	CAP_201	radio_proto [22B3] mlb [2]	C301	CAP_201	radio_proto [26A6] mlb [2]	C530	CAP_402	ap_v1 [11B4] mlb [2]				
C22	CAP_201	ap_v1 [4D4] mlb [2]	C147	CAP_201	radio_proto [23C8] mlb [2]	C303	CAP_201	radio_proto [26D4] mlb [2]	C531	CAP_402	ap_v1 [11B4] mlb [2]				
C23	CAP_201	ap_v1 [4D4] mlb [2]	C148	CAP_201	ap_v1 [13D4] mlb [2]	C304	CAP_201	radio_proto [26B4] mlb [2]	C537	CAP_402	ap_v1 [11B3] mlb [2]				
C24	CAP_201	ap_v1 [4D3] mlb [2]	C149	CAP_603	ap_v1 [13D4] mlb [2]	C305	CAP_201	radio_proto [26B1] mlb [2]	C538	CAP_402	ap_v1 [11B3] mlb [2]				
C25	CAP_201	ap_v1 [4D3] mlb [2]	C150	CAP_402	radio_proto [24B3] mlb [2]	C306	CAP_201	radio_proto [26D5] mlb [2]	C544	CAP_201	ap_v1 [4B2] mlb [2]				
C26	CAP_201	ap_v1 [4D3] mlb [2]	C151	CAP_201	ap_v1 [14B5] mlb [2]	C307	CAP_201	radio_proto [26D5] mlb [2]	C554	CAP_402-LF	charger [20A4] ap_v1 [10] mlb [2]				
C27	CAP_402	radio_proto [28C7] mlb [2]	C152	CAP_201	ap_v1 [14D5] mlb [2]	C308	CAP_201	radio_proto [26D5] mlb [2]	C561	CAP_603	charger [20B4] ap_v1 [10] mlb [2]				
C28	CAP_201	ap_v1 [4D3] mlb [2]	C153	CAP_402	ap_v1 [14B3] mlb [2]	C309	CAP_201	radio_proto [26D5] mlb [2]	D1	DIODE_SCHOT_2P_SOD-9	radio_proto [24B7] mlb [2]				
C29	CAP_201	radio_proto [28C8] mlb [2]	C154	CAP_201	ap_v1 [16D8] mlb [2]	C313	CAP_201	radio_proto [26C4] mlb [2]	D2	DIODE_SCHOT_SM-201	charger [20C6] ap_v1 [10] mlb [2]				
C30	CAP_201	ap_v1 [4A1] mlb [2]	C155	CAP_603	radio_proto [24D4] mlb [2]	C314	CAP_201	radio_proto [26C4] mlb [2]	D3	DIODE_SCHOT_2P_SOD-9	radio_proto [24B7] mlb [2]				
C31	CAP_201	radio_proto [28D6] mlb [2]	C156	CAP_603	radio_proto [24D4] mlb [2]	C315	CAP_201	radio_proto [26D5] mlb [2]	D4	DIODE_SCHOT_2P_SOD-9	radio_proto [24A7] mlb [2]				
C32	CAP_201	radio_proto [29D5] mlb [2]	C157	CAP_201	radio_proto [23C7] mlb [2]	C319	CAP_201	radio_proto [26B8] mlb [2]	D8	DIODE_SCHOT_SM-323	ap_v1 [15A6] mlb [2]				
C33	CAP_201	radio_proto [29C5] mlb [2]	C158	CAP_201	radio_proto [25B8] mlb [2]	C320	CAP_201	radio_proto [26B4] mlb [2]	D18	DIODE_SCHOT_SM-201	charger [20C4] ap_v1 [10] mlb [2]				
C34	CAP_201	radio_proto [29C5] mlb [2]	C159	CAP_201	radio_proto [23C7] mlb [2]	C321	CAP_201	radio_proto [26B2] mlb [2]	D25	DIODE_SCHOT_2P_SOD-9	charger [20C6] ap_v1 [10] mlb [2]				
C35	CAP_201	radio_proto [29D5] mlb [2]	C160	CAP_402	radio_proto [25B8] mlb [2]	C322	CAP_201	radio_proto [26A7] mlb [2]	D26	DIODE_SCHOT_SM	charger [20B5] ap_v1 [10] mlb [2]				
C36	CAP_201	radio_proto [29C4] mlb [2]	C161	CAP_201	radio_proto [25B8] mlb [2]	C326	CAP_201	radio_proto [26A6] mlb [2]	D21	ZENER_GDZ-0201	charger [20C6] ap_v1 [10] mlb [2]				
C37	CAP_201	radio_proto [29D4] mlb [2]	C162	CAP_201	radio_proto [25B8] mlb [2]	C328	CAP_201	radio_proto [26A3] mlb [2]	D22	ZENER_GDZ-0201	charger [20C3] ap_v1 [10] mlb [2]				
C38	CAP_402	radio_proto [29C4] mlb [2]	C163	CAP_201	radio_proto [25C7] mlb [2]	C329	CAP_201	radio_proto [25C3] mlb [2]	D23	SUPPR_TRANSIENT1_201	ap_v1 [12C3] mlb [2]				
C39	CAP_201	radio_proto [29B4] mlb [2]	C164	CAP_201	ap_v1 [15A8] mlb [2]	C330	CAP_201	radio_proto [30C3] mlb [2]	D24	SUPPR_TRANSIENT1_201	ap_v1 [13C7] mlb [2]				
C40	CAP_402	radio_proto [29D4] mlb [2]	C165	CAP_201	ap_v1 [15D7] mlb [2]	C331	CAP_201	radio_proto [30C3] mlb [2]	D25	SUPPR_TRANSIENT1_201	ap_v1 [13B3] mlb [2]				
C43	CAP_201	radio_proto [30C1] mlb [2]	C166	CAP_402	radio_proto [25B7] mlb [2]	C332	CAP_201	radio_proto [30B2] mlb [2]	D26	SUPPR_TRANSIENT1_201	ap_v1 [13B3] mlb [2]				
C44	CAP_201	ap_v1 [6E2] mlb [2]	C167	CAP_201	radio_proto [25B6] mlb [2]	C333	CAP_201	radio_proto [30B2] mlb [2]	D27	SUPPR_TRANSIENT1_201	ap_v1 [13B3] mlb [2]				
C45	CAP_201	ap_v1 [6C2] mlb [2]	C168	CAP_201	radio_proto [25A6] mlb [2]	C334	CAP_201	radio_proto [30B2] mlb [2]	D29	SUPPR_TRANSIENT1_201	ap_v1 [13B4] mlb [2]				
C46	CAP_201	ap_v1 [6C2] mlb [2]	C169	CAP_201	radio_proto [25A6] mlb [2]	C335	CAP_201	radio_proto [25B7] mlb [2]	D210	SUPPR_TRANSIENT1_201	ap_v1 [12B4] mlb [2]				
C47	CAP_201	ap_v1 [6B2] mlb [2]	C170	CAP_0201	radio_proto [25A6] mlb [2]	C421	CAP_201	ap_v1 [15D8] mlb [2]	FL1	FILTER_2P_0201	radio_proto [24D5] mlb [2]				
C48	CAP_201	ap_v1 [6B2] mlb [2]	C171	CAP_201	radio_proto [25B4] mlb [2]	C422	CAP_402	ap_v1 [11B7] mlb [2]	FL2	FILTER_2P_0201	ap_v1 [4D6] mlb [2]				
C50	CAP_201	ap_v1 [6C2] mlb [2]	C172	CAP_201	radio_proto [25B4] mlb [2]	C423	CAP_603	ap_v1 [13B4] mlb [2]	FL3	FILTER_2P_0201	ap_v1 [4A5] mlb [2]				
C51	CAP_201	radio_proto [30C2] mlb [2]	C173	CAP_201	radio_proto [25C4] mlb [2]	C424	CAP_201	ap_v1 [11B2] mlb [2]	FL4	FILTER_2P_0201	ap_v1 [5D3] mlb [2]				
C52	CAP_201	radio_proto [30C2] mlb [2]	C174	CAP_201	radio_proto [25D4] mlb [2]	C425	CAP_201	ap_v1 [12D5] mlb [2]	FL5	FILTER_2P_0402	ap_v1 [6C1] mlb [2]				
C53	CAP_201	ap_v1 [6B2] mlb [2]	C175	CAP_201	radio_proto [25D4] mlb [2]	C426	CAP_402	ap_v1 [14D6] mlb [2]	FL6	FILTER_2P_0201	radio_proto [24D5] mlb [2]				
C54	CAP_201	ap_v1 [6C2] mlb [2]	C176	CAP_201	radio_proto [25C4] mlb [2]	C427	CAP_603	ap_v1 [16D7] mlb [2]	FL7	FIL_NUP2441FC_BGA	radio_proto [22C4] mlb [2]				
C55	CAP_402	ap_v1 [6C2] mlb [2]	C177	CAP_201	radio_proto [25D3] mlb [2]	C428	CAP_603	ap_v1 [16D7] mlb [2]	FL8	FILTER_2P_0201	radio_proto [24D5] mlb [2]				
C56	CAP_201	radio_proto [28D5] mlb [2]	C178	CAP_0201	radio_proto [25C4] mlb [2]	C429	CAP_201	ap_v1 [16D4] mlb [2]	FL9	FILTER_SAFR82G44AA0F	radio_proto [30C4] mlb [2]				
C57	CAP_402	radio_proto [28D6] mlb [2]	C179	CAP_201	radio_proto [25C3] mlb [2]	C430	CAP_201	ap_v1 [16A2] mlb [2]	FL10	FILTER_2P_0201	radio_proto [26D4] mlb [2]				
C58	CAP_201	ap_v1 [6B2] mlb [2]	C180	CAP_201	radio_proto [25D3] mlb [2]	C431	CAP_201	ap_v1 [15D3] mlb [2]	FL11	FILTER_LFBZH_2.5X2X1	radio_proto [30D4] mlb [2]				
C59	CAP_201	ap_v1 [6C2] mlb [2]	C181	CAP_402	ap_v1 [11B3] mlb [2]	C432	CAP_201	ap_v1 [5D4] mlb [2]	FL12	FILTER_SAFEB1G57KB_L	radio_proto [28B1] mlb [2]				
C60	CAP_402	radio_proto [23A5] mlb [2]	C182	CAP_402	charger [20B5] ap_v1 [10] mlb [2]	C433	CAP_201	ap_v1 [5D4] mlb [2]	FL13	FILTER_2P_0201	ap_v1 [13D7] mlb [2]				
C62	CAP_201	radio_proto [30B4] mlb [2]	C183	CAP_201	radio_proto [25C3] mlb [2]	C434	CAP_201	ap_v1 [5D4] mlb [2]	FL14	FILTER_SAFEB1G57FM_L	radio_proto [28B4] mlb [2]				
C63	CAP_201	radio_proto [30B3] mlb [2]	C184	CAP_402	radio_proto [25D3] mlb [2]	C436	CAP_201	ap_v1 [6A6] mlb [2]	FL15	FIL_NUP2441FC_BGA	radio_proto [22D4] mlb [2]				
C64	CAP_201	radio_proto [23A4] mlb [2]	C185	CAP_201	radio_proto [25C3] mlb [2]	C437	CAP_201	ap_v1 [6D5] mlb [2]	FL16	FILTER_2P_0201	ap_v1 [13A7] mlb [2]				
C65	CAP_201	radio_proto [28D5] mlb [2]	C186	CAP_201	radio_proto [25C3] mlb [2]	C438	CAP_402	ap_v1 [6A5] mlb [2]	FL17	FILTER_2P_0201	ap_v1 [13C6] mlb [2]				
C66	CAP_201	radio_proto [23A4] mlb [2]	C187	CAP_201	radio_proto [25D3] mlb [2]	C439	CAP_201	ap_v1 [6B1] mlb [2]	FL18	FILTER_2P_0201	ap_v1 [13B4] mlb [2]				
C67	CAP_201	radio_proto [28C6] mlb [2]	C188	CAP_201	radio_proto [25C2] mlb [2]	C440	CAP_201	ap_v1 [6B1] mlb [2]	FL19	FILTER_2P_0201	ap_v1 [13A4] mlb [2]				
C68	CAP_201	ap_v1 [6B1] mlb [2]	C189	CAP_201	radio_proto [25D2] mlb [2]	C441	CAP_201	ap_v1 [8B5] mlb [2]	FL20	FILTER_2P_0201	ap_v1 [13A4] mlb [2]				
C69	CAP_201	ap_v1 [7B6] mlb [2]	C190	CAP_201	radio_proto [25D2] mlb [2]	C442	CAP_201	ap_v1 [8C3] mlb [2]	FL21	FILTER_2P_0201	ap_v1 [14D6] mlb [2]				
C70	CAP_201	ap_v1 [7B5] mlb [2]	C191	CAP_201	radio_proto [25B2] mlb [2]	C443	CAP_201	ap_v1 [4D8] mlb [2]	FL22	FILTER_2					




	8	7	6	5	4	3	2	1
U29_AP	FLASH_4GX8_48P1_TSOP	ap_v1[687]mlb[2]						
U30_AP	ISL59121_WLCSP9	ap_v1[8C6]mlb[2]						
U30_RF	SW1_SPDT_DG2717_SOT66	radio_proto[30D8]mlb[2]						
U31_RF	PMB2525_BGA	radio_proto[28C7]mlb[2]						
U33_RF	BGA615L7_TSLP	radio_proto[28B3]mlb[2]						
U36_AP	74LV1G08GF_SOT891	ap_v1[11A6]mlb[2]						
U37_RF	SKY77434_MCM	radio_proto[2A8A]mlb[2]						
U40_AP	74LV1G157_SOT891	ap_v1[17D7]mlb[2]						
U41_AP	74LV1G157_SOT891	ap_v1[17C7]mlb[2]						
U42_AP	SN74AUP1T97_WCSP	ap_v1[17B7]mlb[2]						
U56_AP	74LV1G86_SOT891	ap_v1[14B7]mlb[2]						
U59_AP	H1_N82_BGA	ap_v1[4C5]mlb[2]						
U59_AP	H1_N82_BGA	ap_v1[5C6]mlb[2]						
U59_AP	H1_N82_BGA	ap_v1[6D4_6D6]mlb[2]						
U59_AP	H1_N82_BGA	ap_v1[7B6]mlb[2]						
U59_AP	H1_N82_BGA	ap_v1[8C4]mlb[2]						
V13_AP	VRE3_LF3986_BGA	ap_v1[16B2]mlb[2]						
V13_RF	LREC_TK684_FC-4	radio_proto[30C9]mlb[2]						
XW1_AP	SHORT_SHORT-0201-NSM	ap_v1[4D6]mlb[2]						
XW1_RF	SHORT_SHORT-0201-NSM	radio_proto[30B6]mlb[2]						
XW2_AP	SHORT_SHORT-0201-NSM	ap_v1[17C2]mlb[2]						
XW2_RF	SHORT8L25_WITH_ALTS_SM	radio_proto[24D7]mlb[2]						
XW3_AP	SHORT_SHORT-0201-NSM	ap_v1[17C2]mlb[2]						
XW3_RF	SHORT_SHORT-0201	radio_proto[28D5]mlb[2]						
XW4_AP	SHORT_SHORT-0201-NSM	ap_v1[17C2]mlb[2]						
XW4_RF	SHORT_SHORT-0201	radio_proto[22D3]mlb[2]						
XW5_AP	SHORT_SHORT-0201-NSM	ap_v1[17C2]mlb[2]						
XW6_AP	SHORT_SHORT-0201-NSM	ap_v1[4D3]mlb[2]						
XW6_RF	SHORT8L25_WITH_ALTS_SM	radio_proto[24D7]mlb[2]						
XW7_AP	SHORT_SHORT-0201-NSM	ap_v1[4D3]mlb[2]						
XW8_AP	SHORT_SHORT-0201-NSM	ap_v1[4D3]mlb[2]						
XW8_RF	SHORT_SHORT-0201	radio_proto[23D4]mlb[2]						
XW9_AP	SHORT_SHORT-0201-NSM	ap_v1[11A3]mlb[2]						
XW9_RF	SHORT_SHORT-0201	radio_proto[23D4]mlb[2]						
XW10_AP	SHORT_SHORT-0201-NSM	ap_v1[6C6]mlb[2]						
XW10_RF	SHORT_SM	radio_proto[26D2]mlb[2]						
XW11_AP	SHORT_SHORT-0201-NSM	ap_v1[6D3]mlb[2]						
XW11_RF	SHORT_SM	radio_proto[24B7]mlb[2]						
XW12_AP	SHORT_SHORT-0201-NSM	ap_v1[13B6]mlb[2]						
XW12_RF	SHORT_SM	radio_proto[24B8]mlb[2]						
XW13_AP	SHORT_SHORT-0201-NSM	ap_v1[7B6]mlb[2]						
XW13_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW14_AP	SHORT_SHORT-0201-NSM	ap_v1[7B2]mlb[2]						
XW15_AP	SHORT_SHORT-0201-NSM	ap_v1[8C2]mlb[2]						
XW15_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW16_AP	SHORT_SM	ap_v1[8A6]mlb[2]						
XW16_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW17_AP	SHORT_SHORT-0201-NSM	ap_v1[8D2]mlb[2]						
XW18_AP	SHORT_SHORT-0201-NSM	ap_v1[9D5]mlb[2]						
XW19_AP	SHORT_SHORT-0201-NSM	ap_v1[9D4]mlb[2]						
XW20_AP	SHORT_SHORT-0201-NSM	ap_v1[13B6]mlb[2]						
XW21_AP	SHORT_SM	ap_v1[9A5]mlb[2]						
XW21_RF	SHORT_SM	radio_proto[23A7]mlb[2]						
XW22_AP	SHORT_SHORT-0201-NSM	ap_v1[16B3]mlb[2]						
XW22_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW23_AP	SHORT_SM	ap_v1[11B6]mlb[2]						
XW23_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW24_AP	SHORT_SHORT-0201-NSM	ap_v1[17B4]mlb[2]						
XW24_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW25_AP	SHORT_SM	ap_v1[11C4]mlb[2]						
XW25_RF	SHORT_SM	radio_proto[26D2]mlb[2]						
XW26_AP	SHORT_SM	ap_v1[11C4]mlb[2]						
XW26_RF	SHORT_SM	radio_proto[24B8]mlb[2]						
XW27_AP	SHORT_SHORT-0201-NSM	ap_v1[17B4]mlb[2]						
XW27_RF	SHORT_SM	radio_proto[24A8]mlb[2]						
XW28_AP	SHORT_SHORT-0201-NSM	ap_v1[17B4]mlb[2]						
XW28_RF	SHORT_SM	radio_proto[24A6]mlb[2]						
XW29_AP	SHORT_SHORT-0201-NSM	ap_v1[16B6]mlb[2]						
XW29_RF	SHORT_SM	radio_proto[24A6]mlb[2]						
XW30_AP	SHORT_SHORT-0201-NSM	ap_v1[17B4]mlb[2]						
XW30_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW31_AP	SHORT_SHORT-0201-NSM	ap_v1[15D5]mlb[2]						
XW31_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW32_AP	SHORT_SHORT-0201-NSM	ap_v1[15D1]mlb[2]						
XW32_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW33_AP	SHORT_SHORT-0201	ap_v1[15B5]mlb[2]						
XW33_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW34_AP	SHORT_SHORT-0201	ap_v1[15B5]mlb[2]						
XW34_RF	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]						
XW35_AP	SHORT_SHORT-0201	ap_v1[15C5]mlb[2]						
XW35_RF	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]						
XW36_AP	SHORT_SHORT-0201	ap_v1[15C5]mlb[2]						
XW37_AP	SHORT_SHORT-0201-NSM	ap_v1[17B4]mlb[2]						
XW38_AP	SHORT_SHORT-0201-NSM	ap_v1[15A2]mlb[2]						
XW39_AP	SHORT_SHORT-0201-NSM	ap_v1[15A2]mlb[2]						
XW43_AP	SHORT_SHORT-0201-NSM	ap_v1[4C8]mlb[2]						
XW60_RF	SHORT_SHORT-0201	radio_proto[24D7]mlb[2]						
Y1_AP	CRYSTAL_4PIN_SM-2	ap_v1[4A6]mlb[2]						
Y1_RF	CRYSTAL_3_2X1.5X.6-S	radio_proto[23A4]mlb[2]						
Y2_AP	CRYSTAL_4PIN_SM-2	ap_v1[8B4]mlb[2]						
Y3_AP	CRYSTAL_3_2X1.5X.6-S	ap_v1[11C8]mlb[2]						
	M							

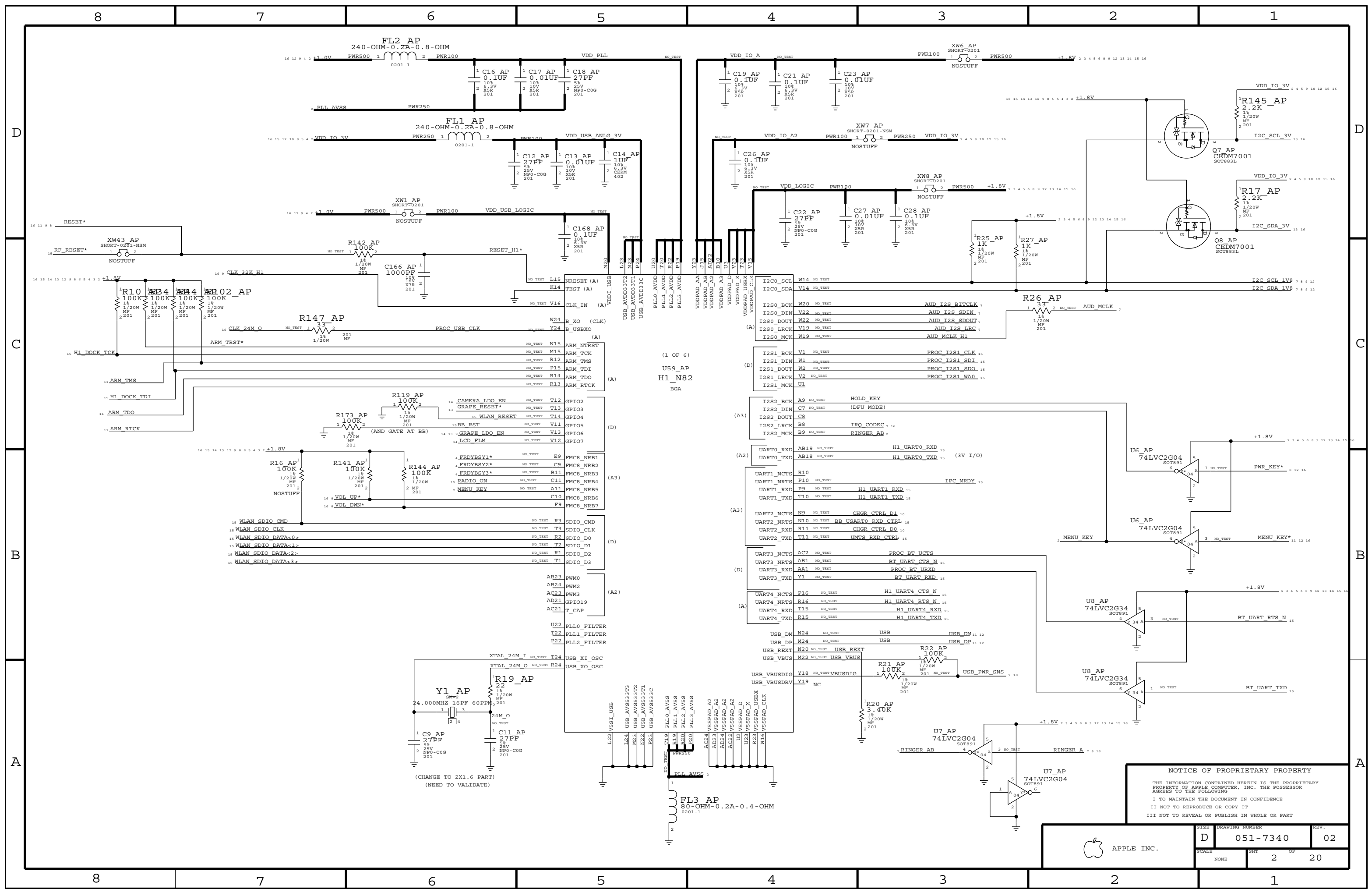
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 APPLE INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7340	02
	SCALE	SHT	OF
	NONE	1	20



NOTICE OF PROPRIETARY PROPERTY

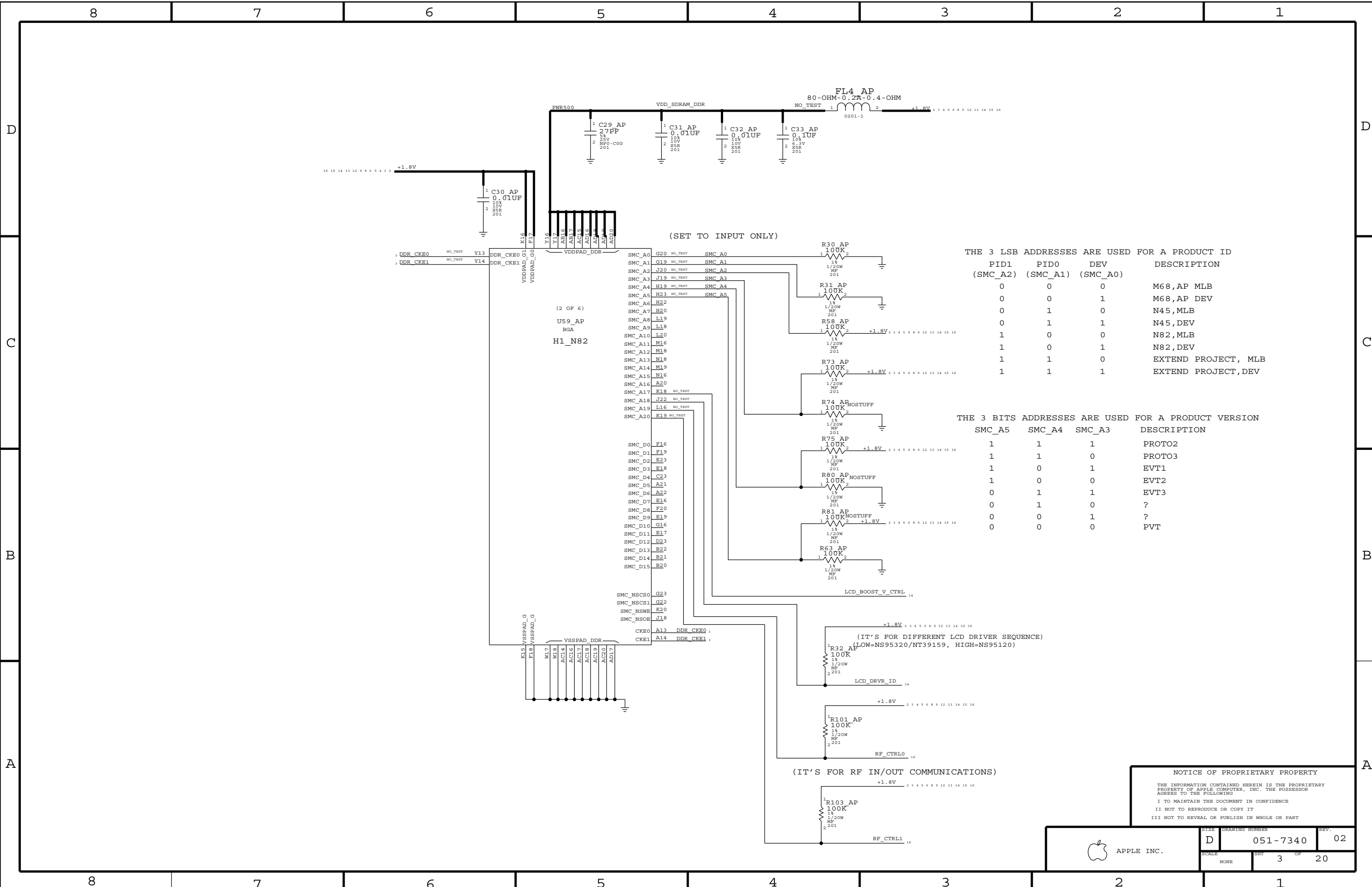
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APPLE INC.	DRAWING NUMBER	REV.
	D 051-7340	02
SCALE	SHEET	OF
NONE	2	20



THE 3 LSB ADDRESSES ARE USED FOR A PRODUCT ID

PID1 (SMC_A2)	PID0 (SMC_A1)	DEV (SMC_A0)	DESCRIPTION
0	0	0	M68, AP MLB
0	0	1	M68, AP DEV
0	1	0	N45, MLB
0	1	1	N45, DEV
1	0	0	N82, MLB
1	0	1	N82, DEV
1	1	0	EXTEND PROJECT, MLB
1	1	1	EXTEND PROJECT, DEV

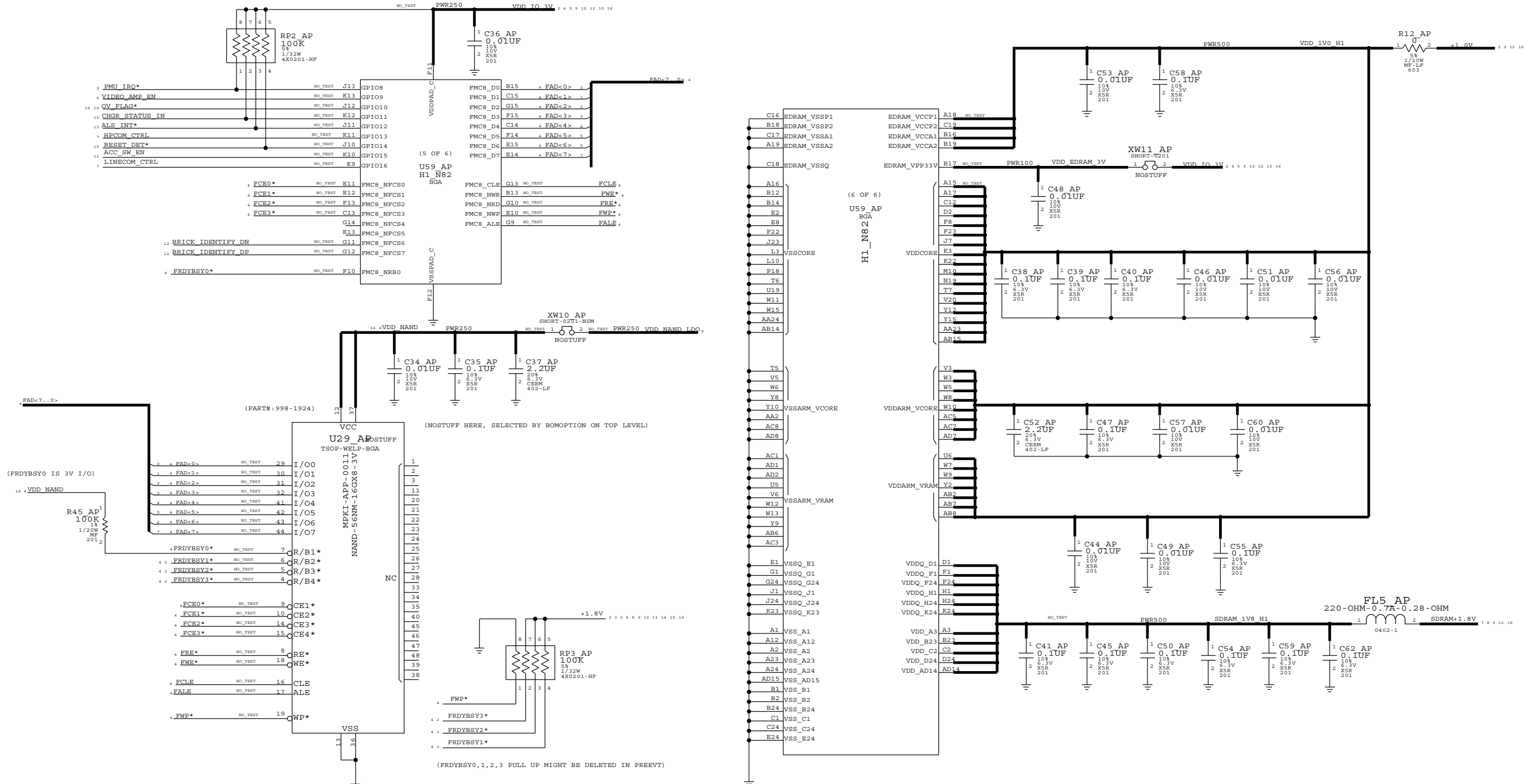
THE 3 BITS ADDRESSES ARE USED FOR A PRODUCT VERSION

SMC_A5	SMC_A4	SMC_A3	DESCRIPTION
1	1	1	PROTO2
1	1	0	PROTO3
1	0	1	EVT1
1	0	0	EVT2
0	1	1	EVT3
0	1	0	?
0	0	1	?
0	0	0	PVT

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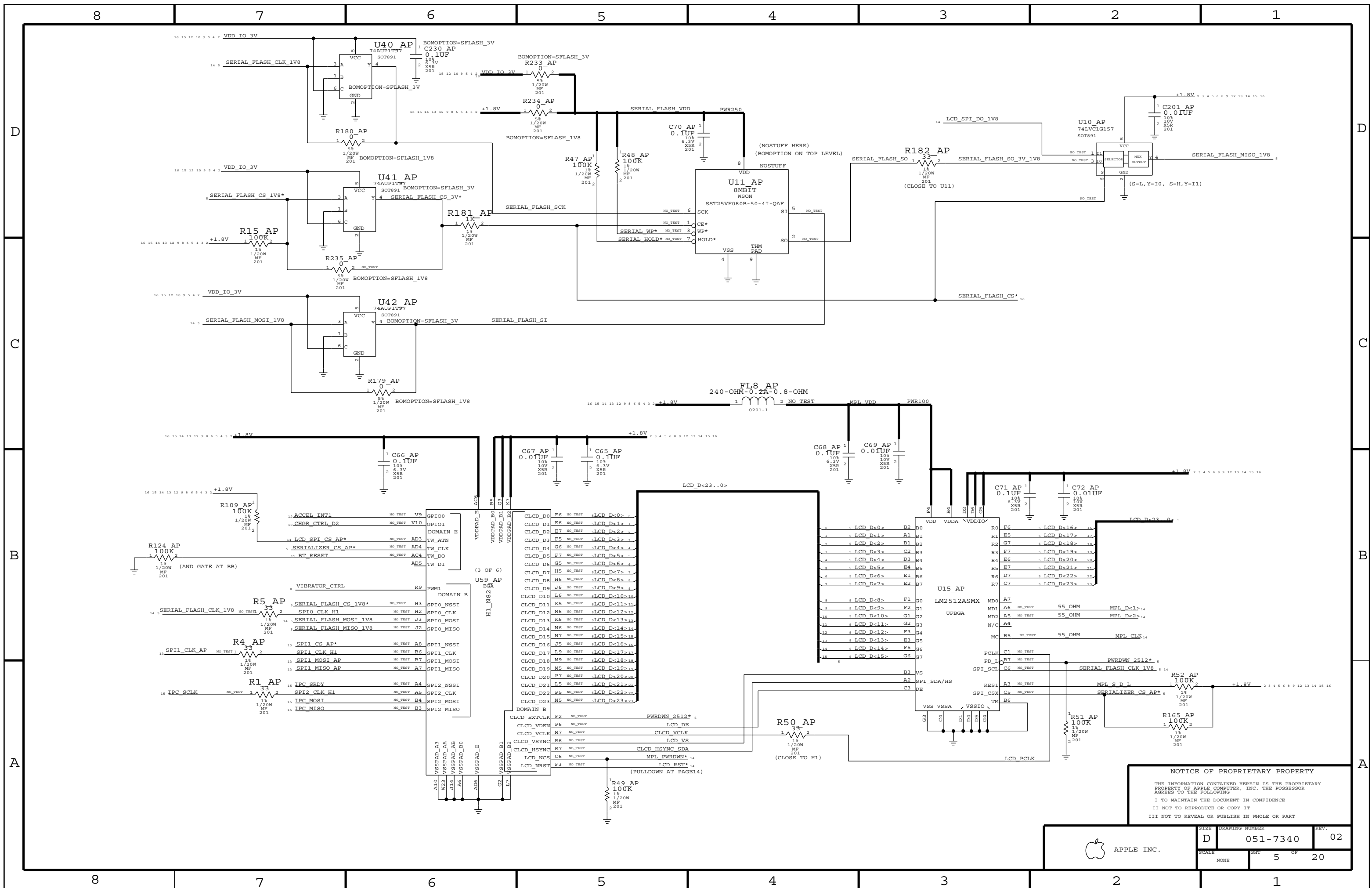
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	D	051-7340	02
SCALE	SHT	OF	
NONE	3	20	

NAND FLASH & GPIO

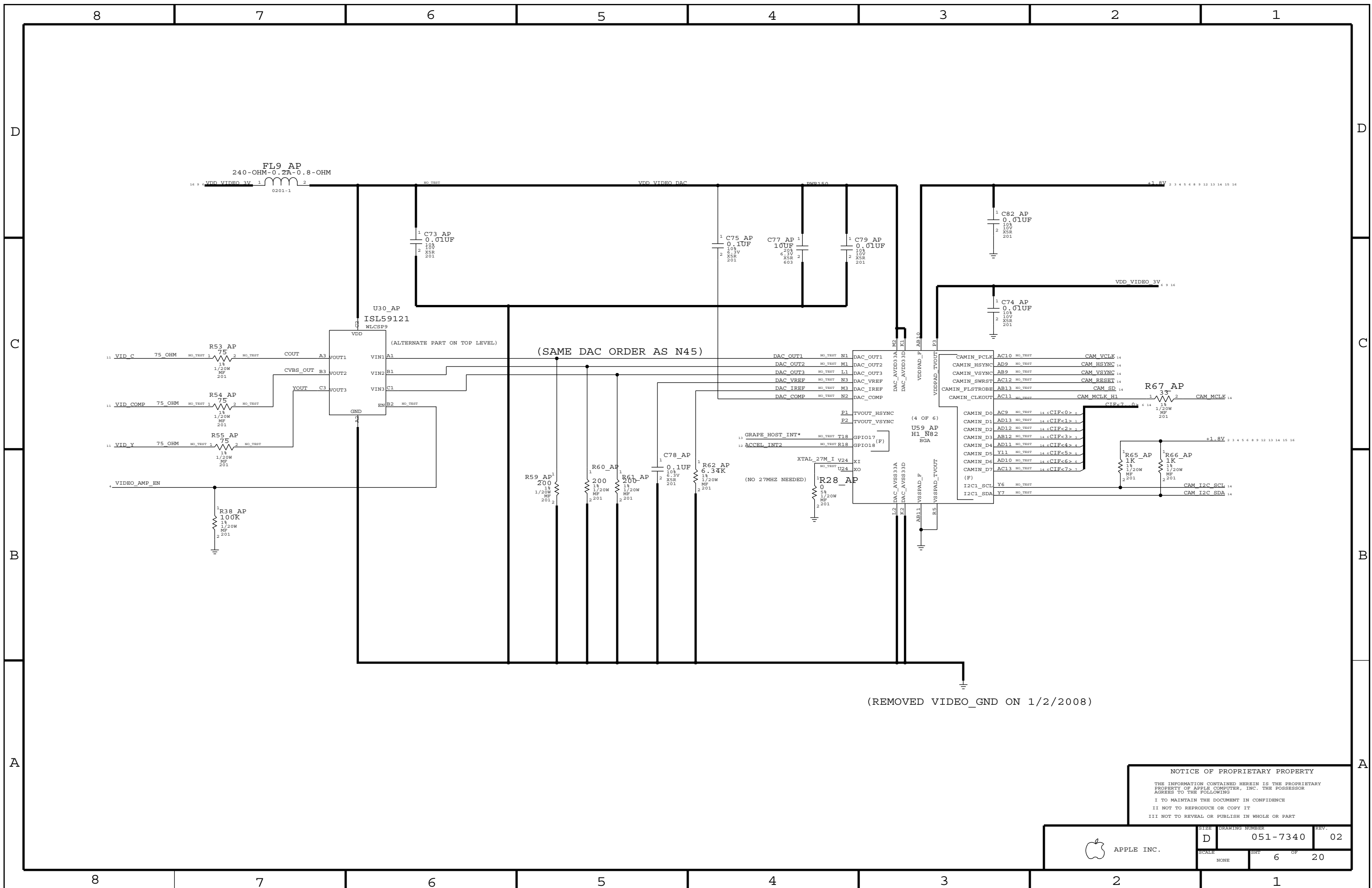


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APPLE INC.	SCALE	DRAWING NUMBER		REV.
	NONE	D	051-7340	02
		SHT	4 OF 20	



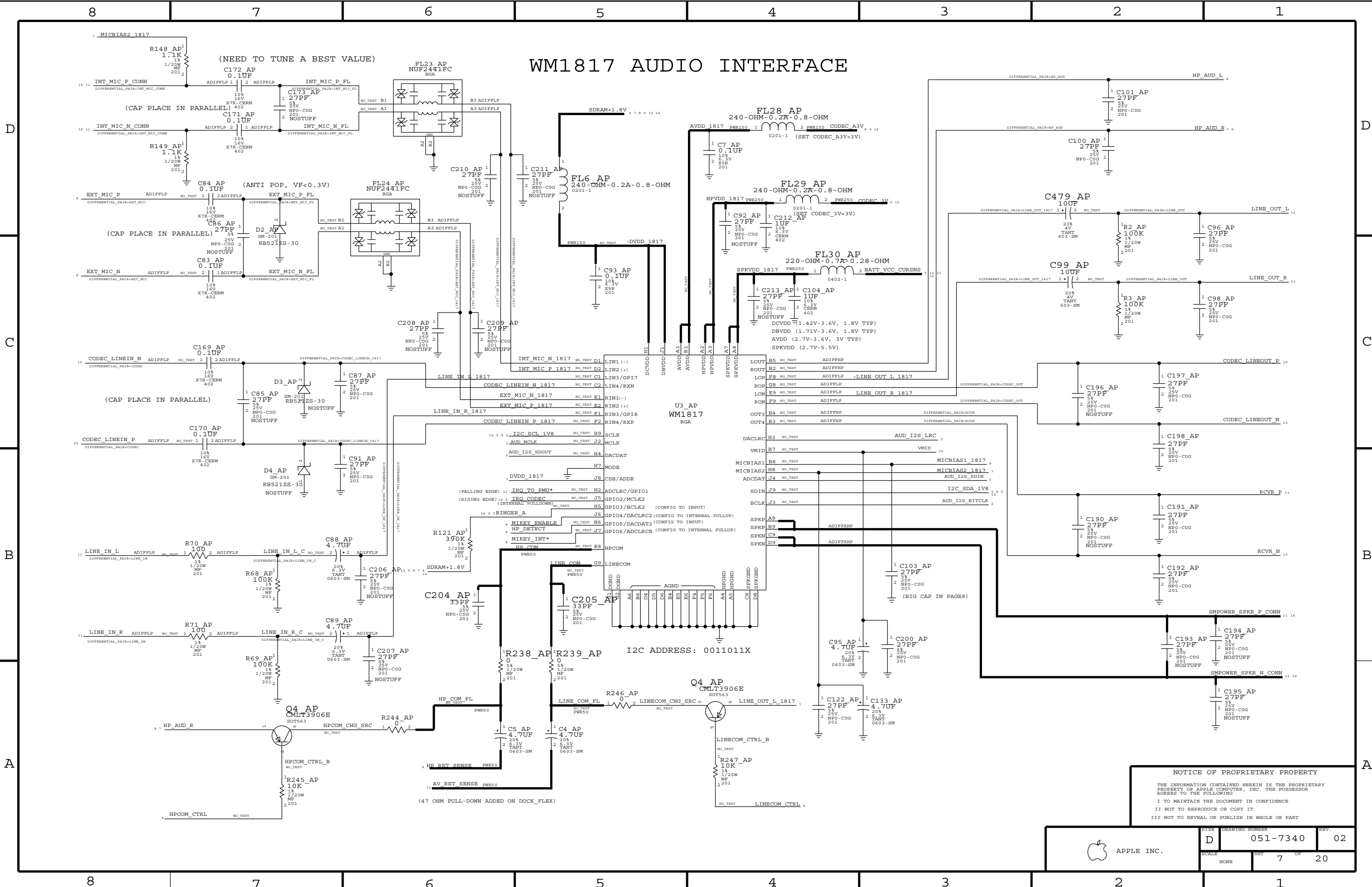
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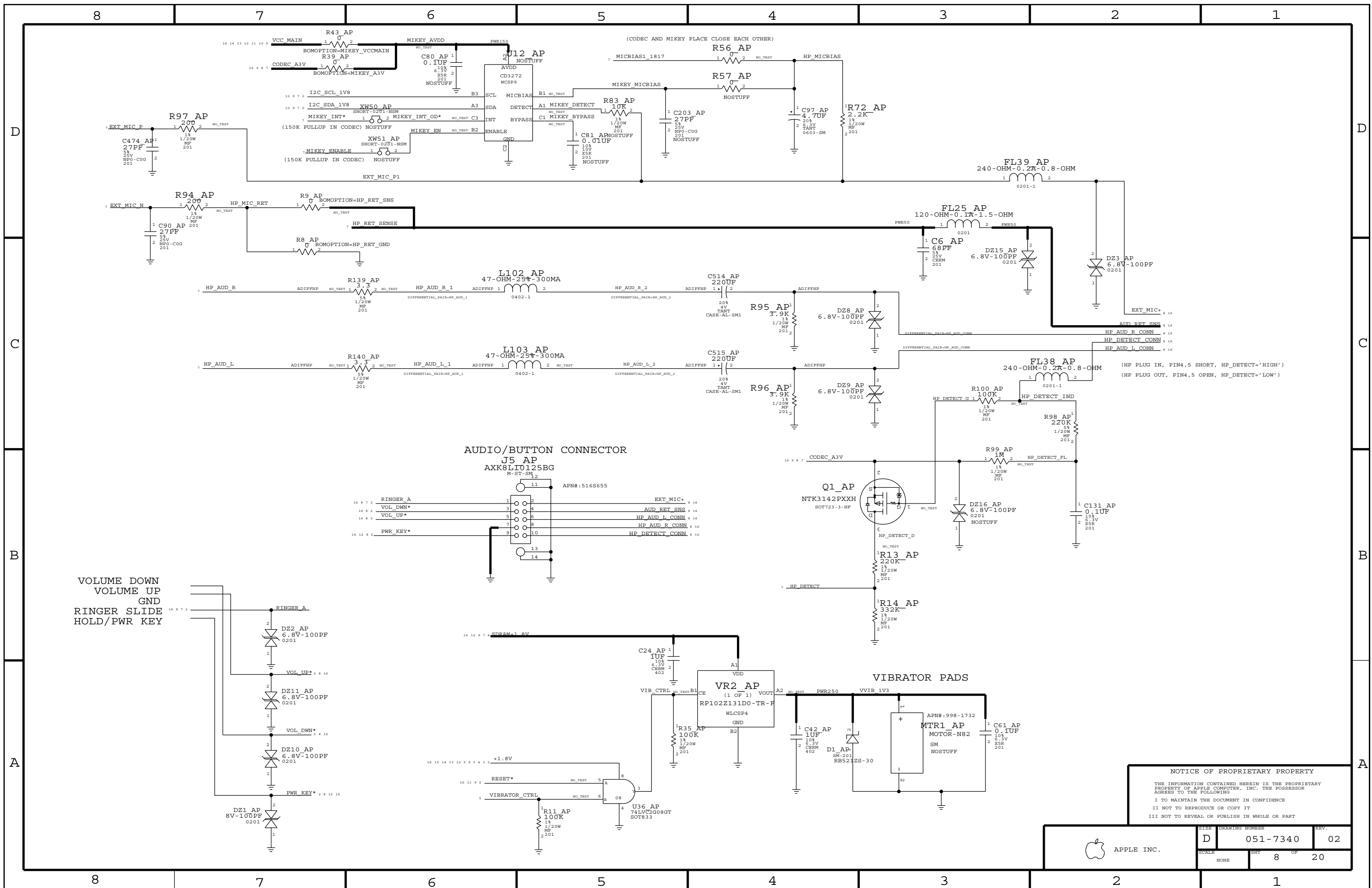
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	D	051-7340	02
SCALE	SHEET		OF
NONE	6		20

WM1817 AUDIO INTERFACE



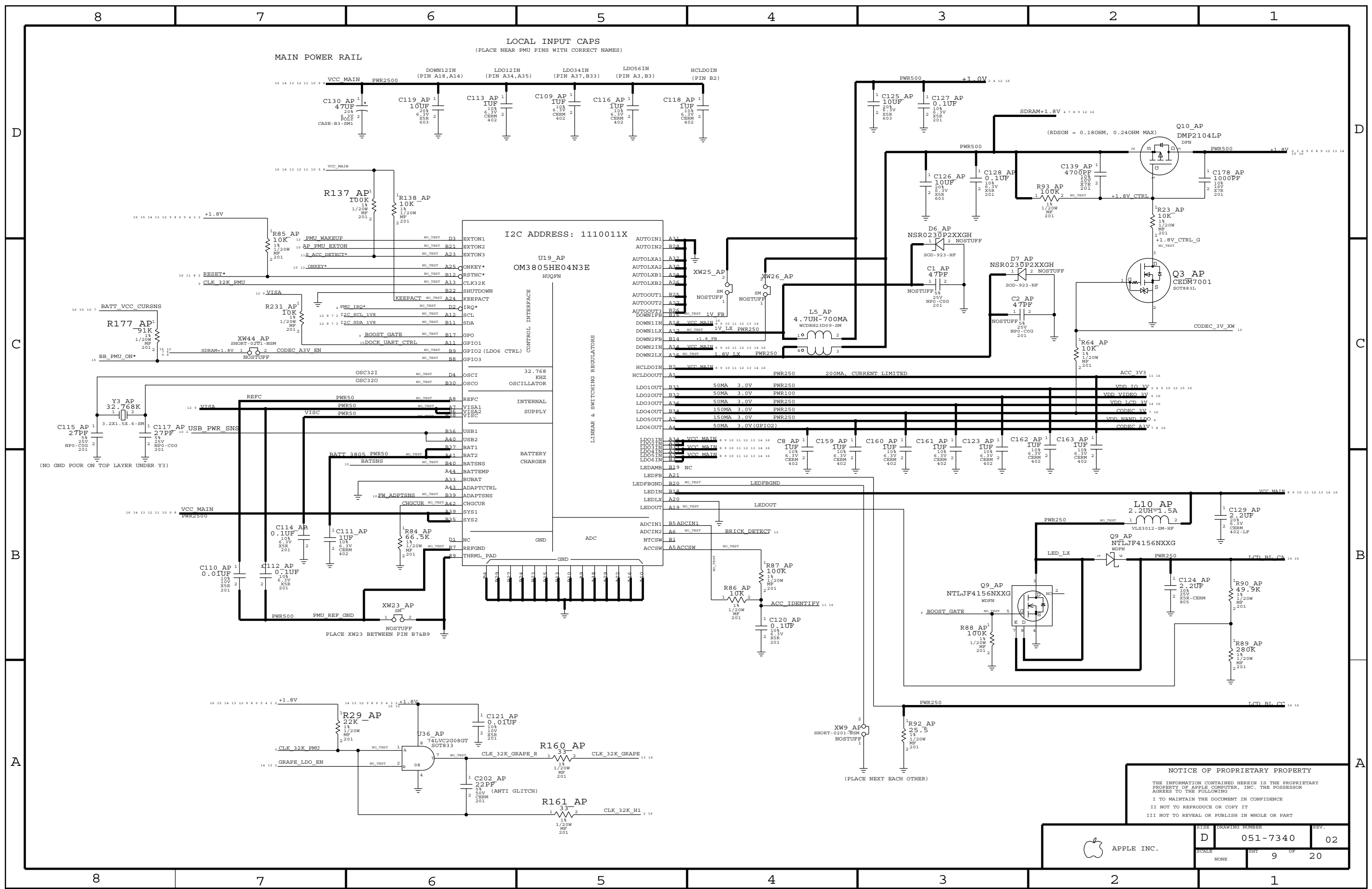
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	D	051-7340	02
SCALE	NONE	SHT	7 OF 20



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APPLE INC.	SCALE	8	OF	20
	DRAWING NUMBER	051-7340	REV.	02



LOCAL INPUT CAPS
(PLACE NEAR PMU PINS WITH CORRECT NAMES)

MAIN POWER RAIL

I2C ADDRESS: 1110011X

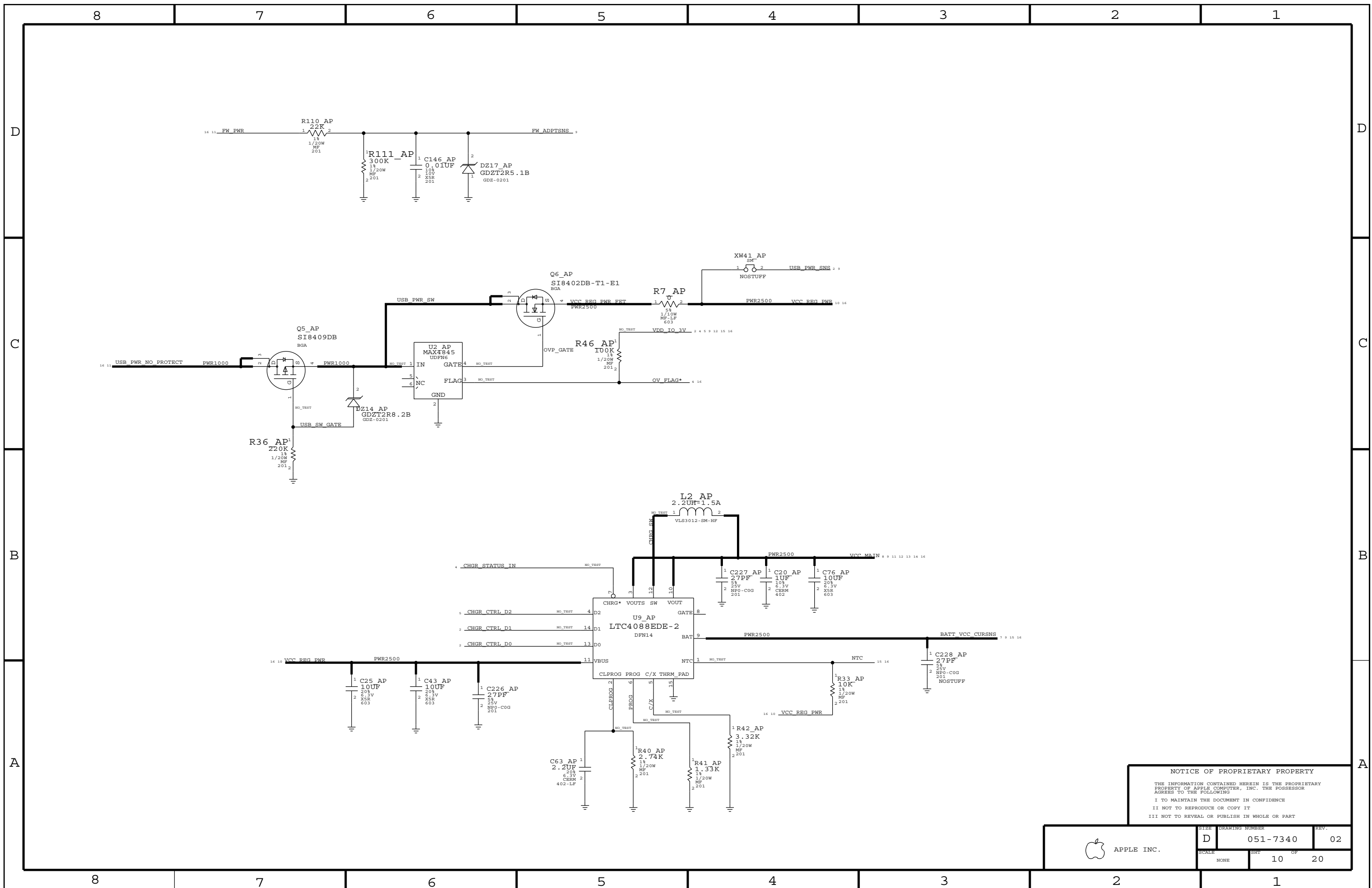
LINEAR & SWITCHING REGULATORS

Model	Current	Voltage	Control
HCLDOOUT A1	200MA	3.0V	PWR250
LDO1OUT B1	50MA	3.0V	PWR250
LDO2OUT B2	50MA	3.0V	PWR100
LDO3OUT A3	50MA	3.0V	PWR250
LDO4OUT B3	150MA	3.0V	PWR250
LDO5OUT A2	150MA	3.0V	PWR250
LDO6OUT A4	50MA	3.0V	(GPIO2)
LDO1IN A34	VCC MAIN	8 9 10 11 12 13 14 16	
LDO3IN B4	VCC MAIN	8 9 10 11 12 13 14 16	
LDO4IN A2	VCC MAIN	8 9 10 11 12 13 14 16	
LDO5IN B2	VCC MAIN	8 9 10 11 12 13 14 16	
LDO6IN B5	VCC MAIN	8 9 10 11 12 13 14 16	

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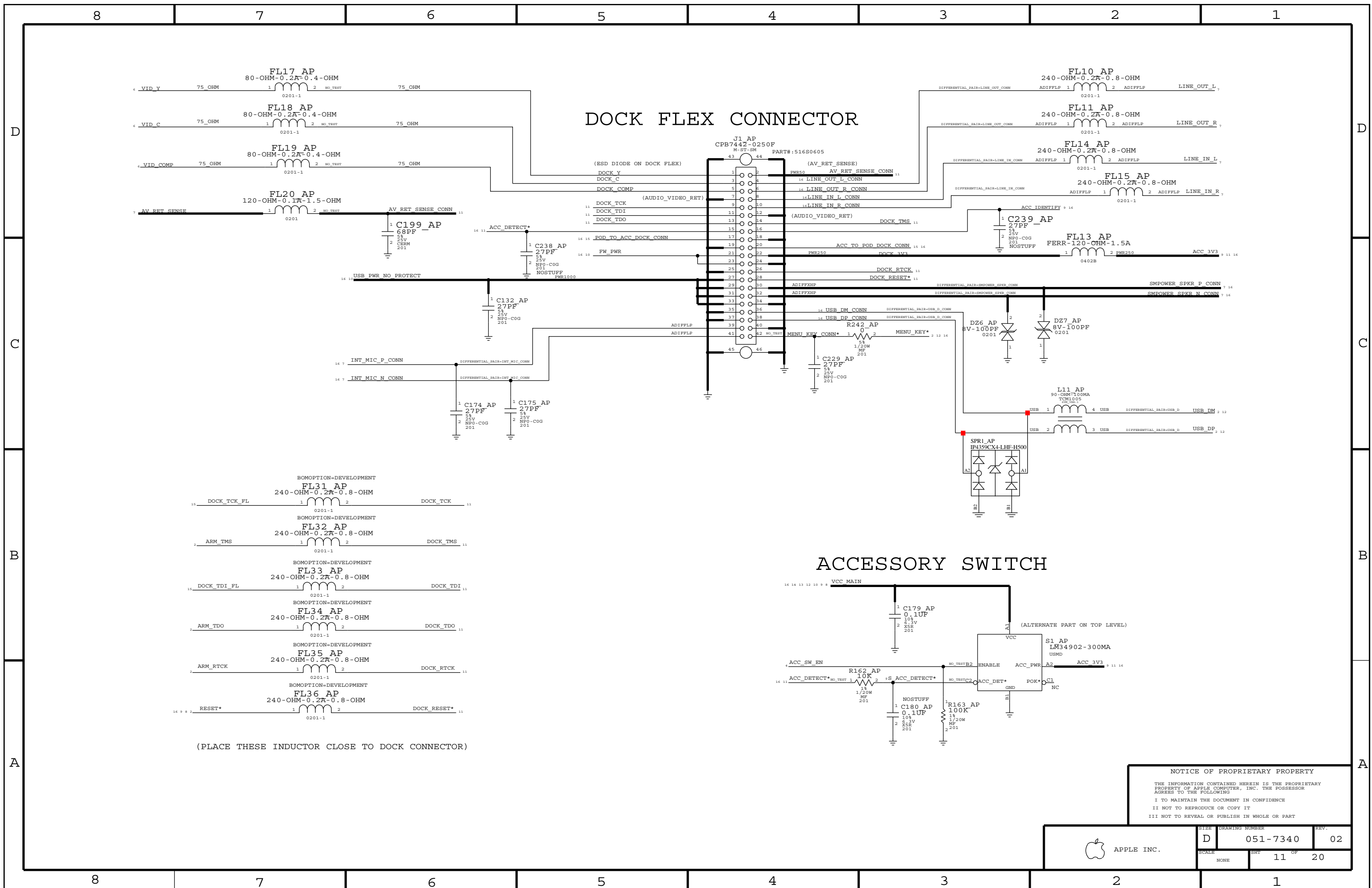
SCALE	DRAWING NUMBER	REV.
NONE	D 051-7340	02
SHEET		9 OF 20





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	D	051-7340	02
SCALE	SHT	OF	REV.
NONE	10	20	



DOCK FLEX CONNECTOR

ACCESSORY SWITCH

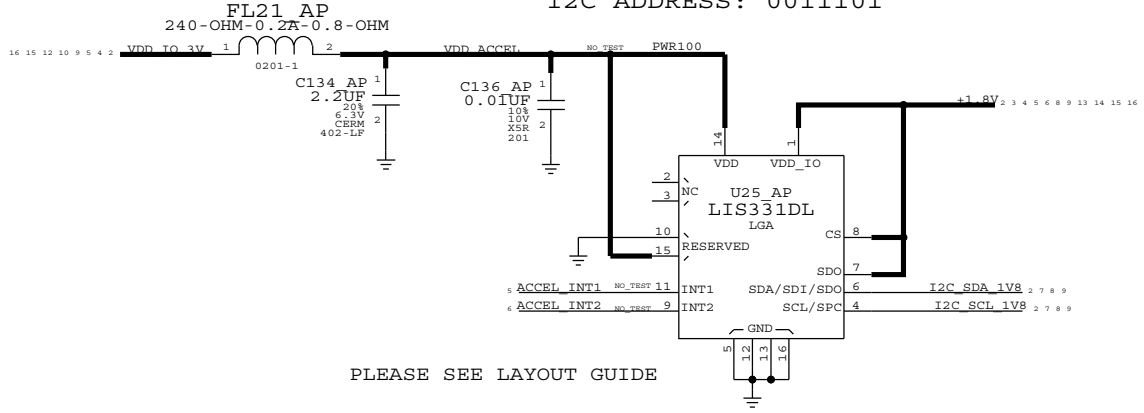
(PLACE THESE INDUCTOR CLOSE TO DOCK CONNECTOR)

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	D	051-7340	02
SCALE	SHEET		OF
NONE	11		20

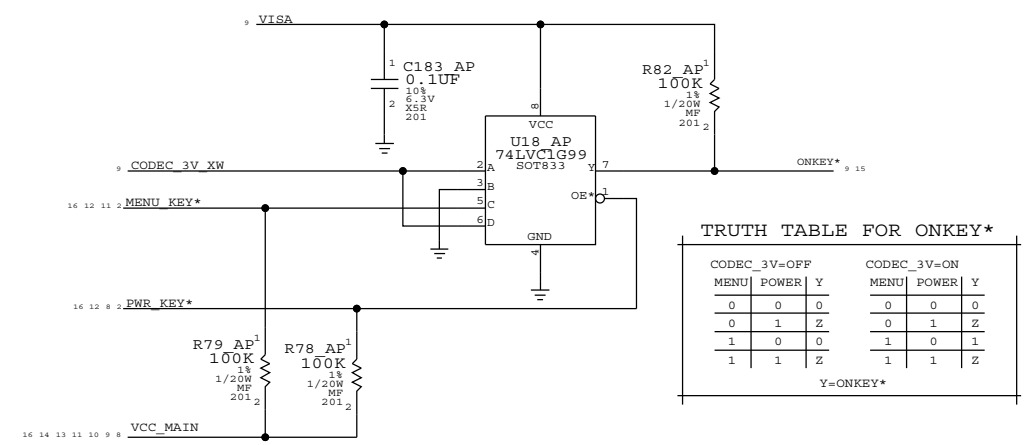
ACCELEROMETER

I2C ADDRESS: 0011101



PLEASE SEE LAYOUT GUIDE

U18+ONKEY* IS USED TO WAKE FROM OFF (PMU STANDBY)
ONKEY* HELD LOW FOR 6 SECONDS INITIATES PMU RESET SEQUENCE.

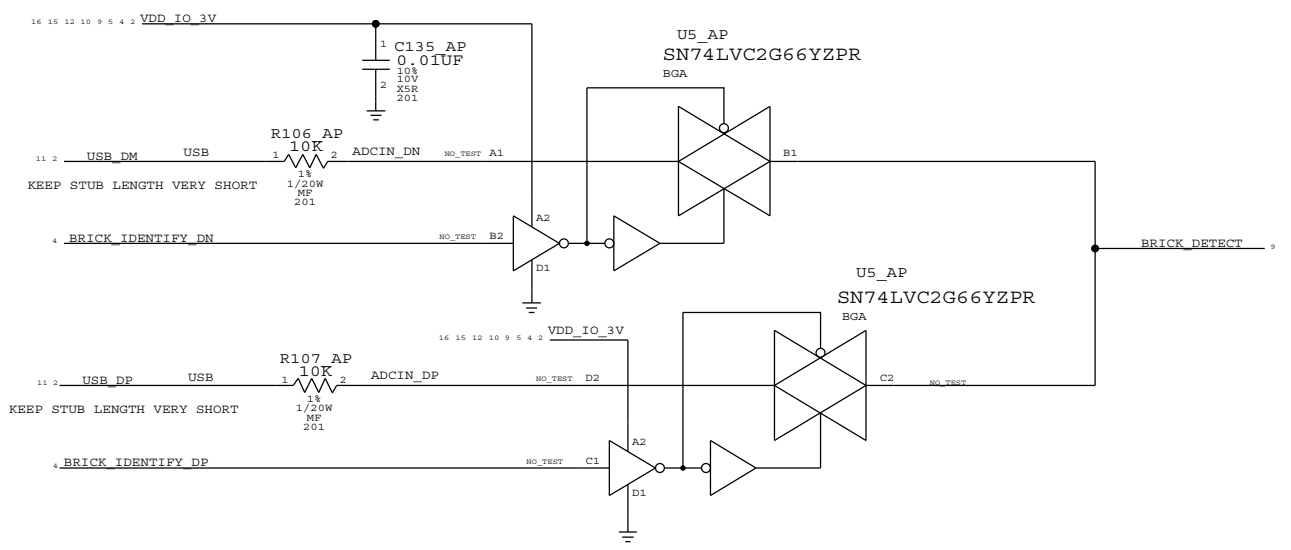


TRUTH TABLE FOR ONKEY*

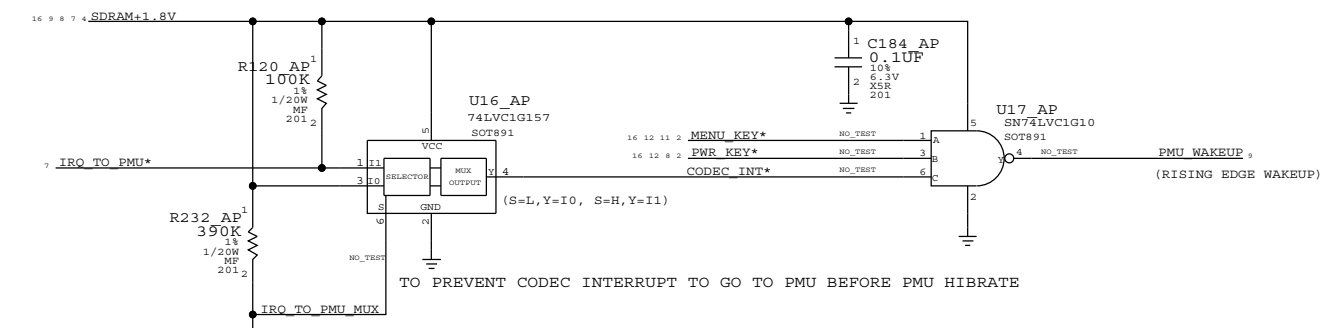
CODEC_3V=OFF			CODEC_3V=ON		
MENU	POWER	Y	MENU	POWER	Y
0	0	0	0	0	0
0	1	Z	0	1	Z
1	0	0	1	0	1
1	1	Z	1	1	Z

Y=ONKEY*

ADAPTER CURRENT CAPACITY DETECTION



U17+WAKEUP IS USED TO WAKE FROM HIBERNATE (SUSPEND TO RAM)



TRUTH TABLE FOR PMU_WAKEUP

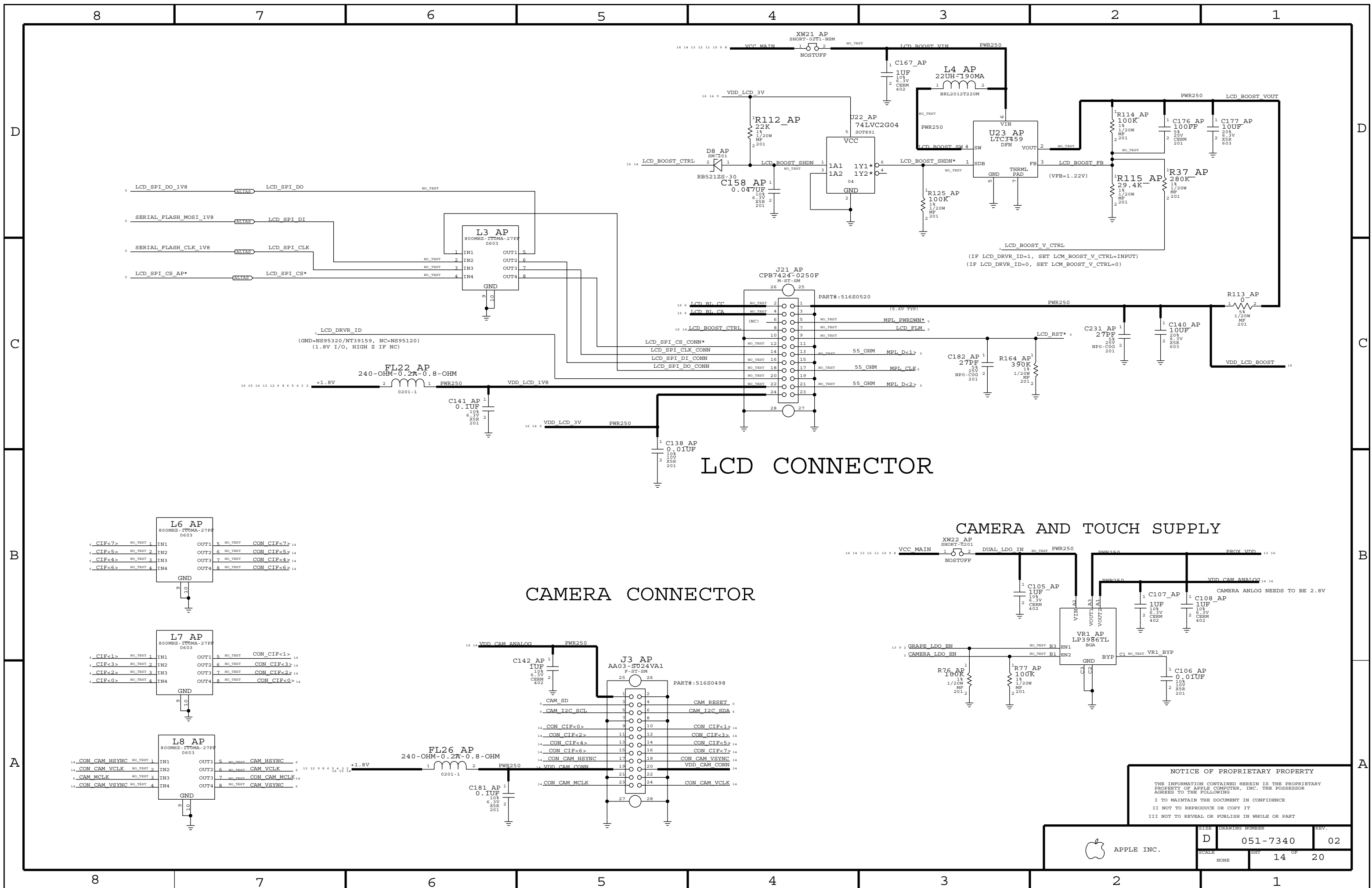
EVENTS	SDRAM+1.8V=ON (PHONE IN HIBERNATE MODE)			
	CODEC INT*	MENU KEY*	POWER KEY*	PMU WAKEUP
WM8991 INT HAPPENS, MENU&HOLD KEY PRESSED	0	0	0	1
WM8991 INT HAPPENS & MENU KEY PRESSED	0	0	1	1
WM8991 INT HAPPENS & HOLD KEY PRESSED	0	1	0	1
WM8991 INTERRUPT HAPPENED	0	1	1	1
MENU & HOLD KEY PRESSED	1	0	0	1
MENU KEY PRESSED	1	0	1	1
HOLD KEY PRESSED	1	1	0	1
NO KEY PRESSED	1	1	1	0

WM8991 INTERRUPT HAPPENS AT:
 (1) RINGER KEY SLIDES
 (2) HEAD PHONE PLUG IN/OUT
 (3) HEAD PHONE SEND KEY PRESSED

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APPLE INC.

SCALE	DRAWING NUMBER	REV.
NONE	D 051-7340	02
	SHT	12 OF 20



LCD CONNECTOR

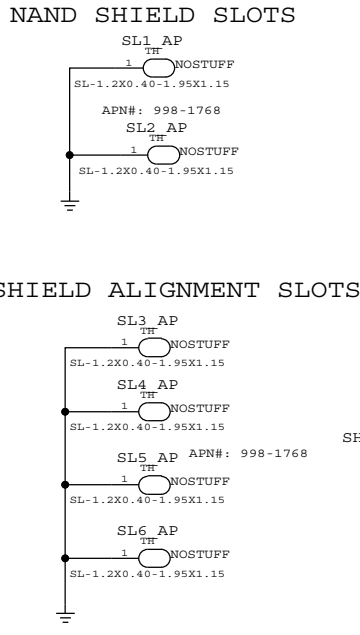
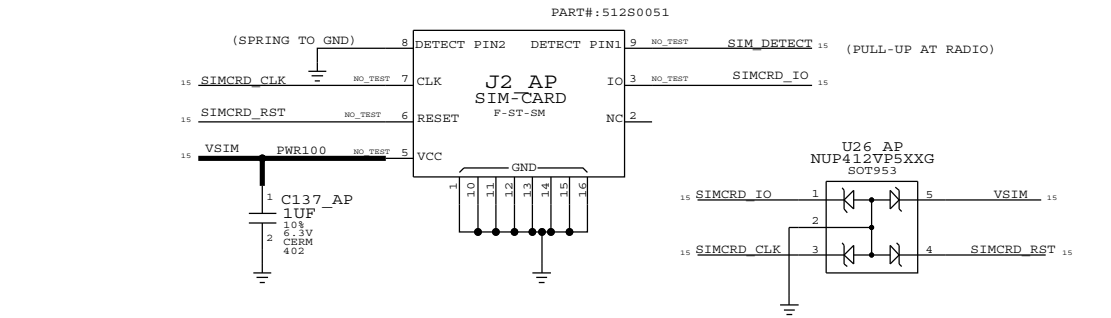
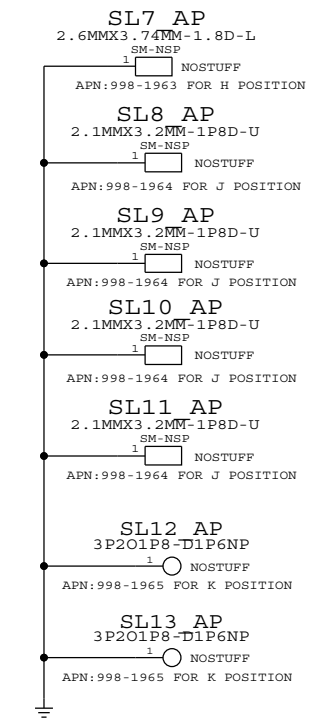
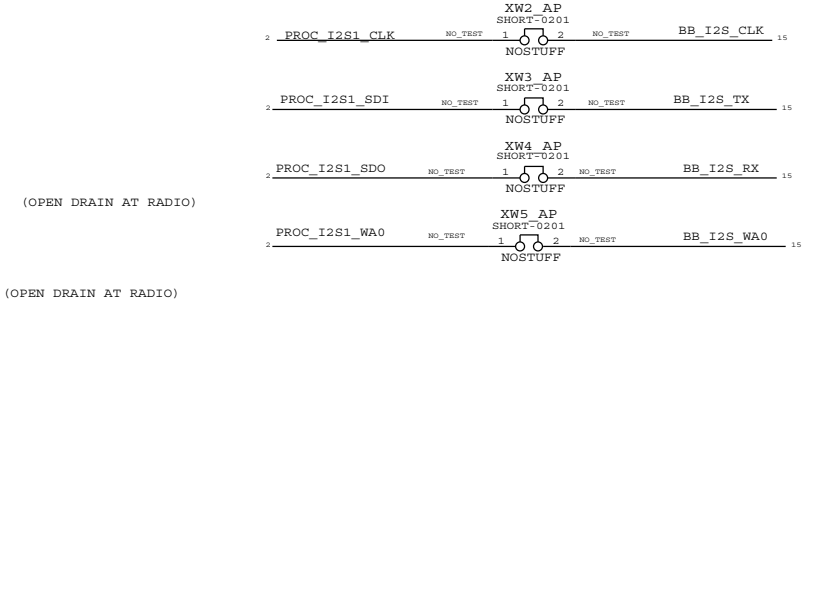
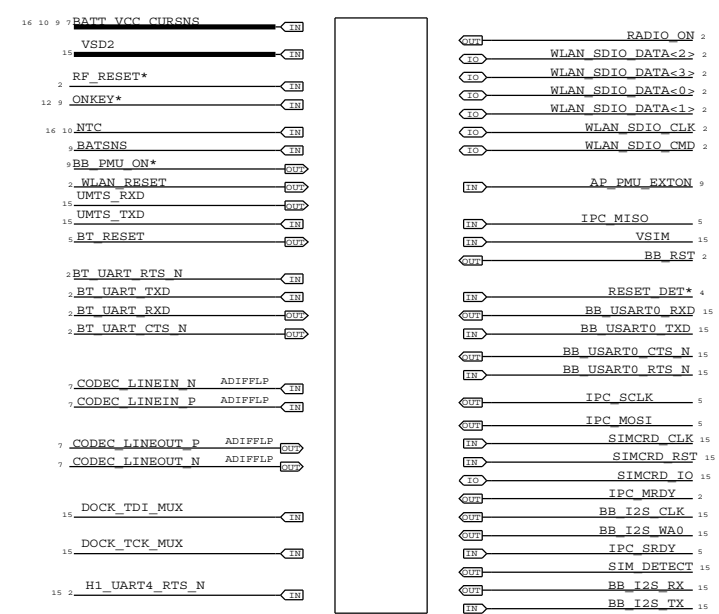
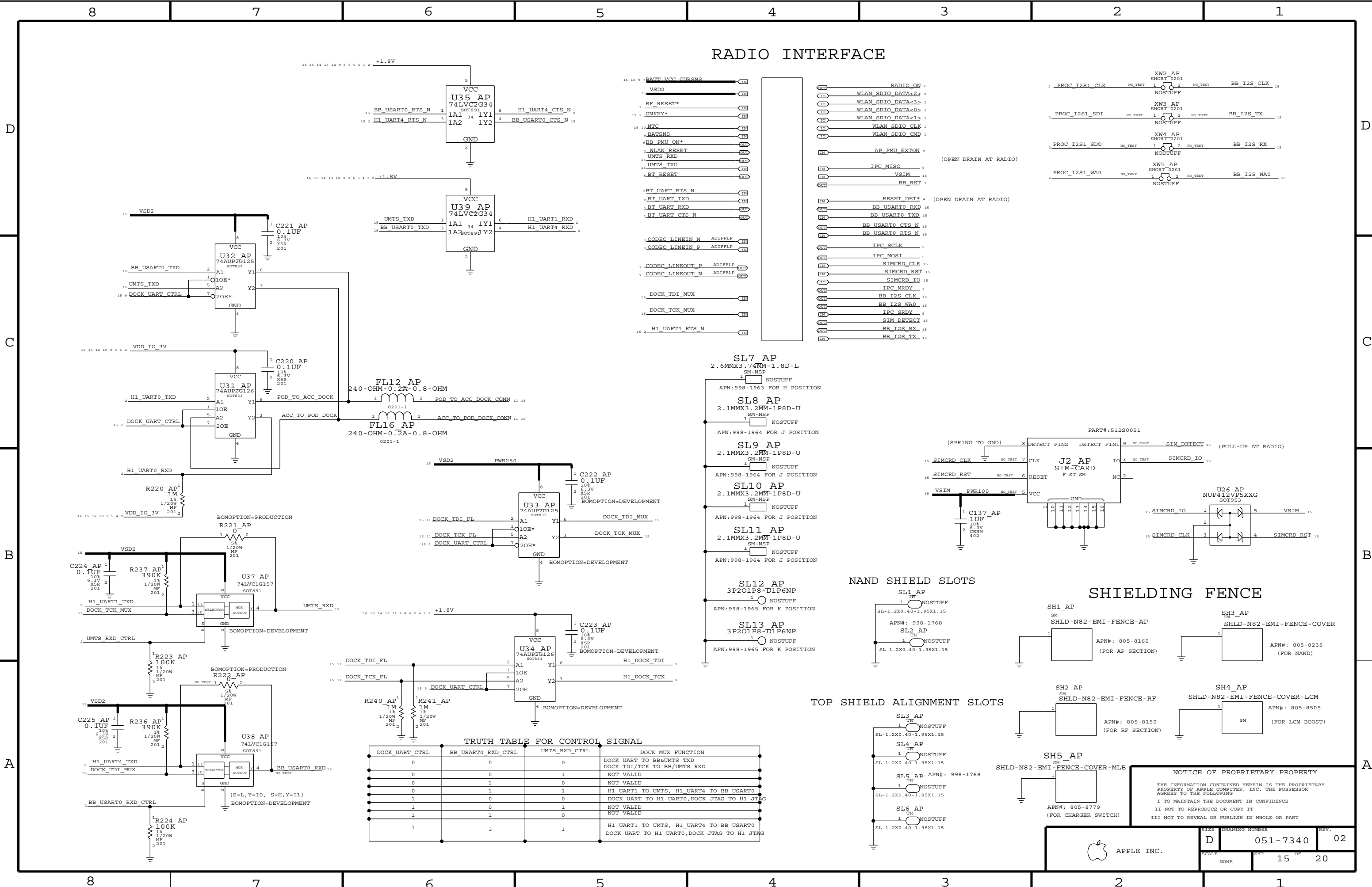
CAMERA CONNECTOR

CAMERA AND TOUCH SUPPLY

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	D	051-7340	02
SCALE	NONE	SHT	14 OF 20

RADIO INTERFACE



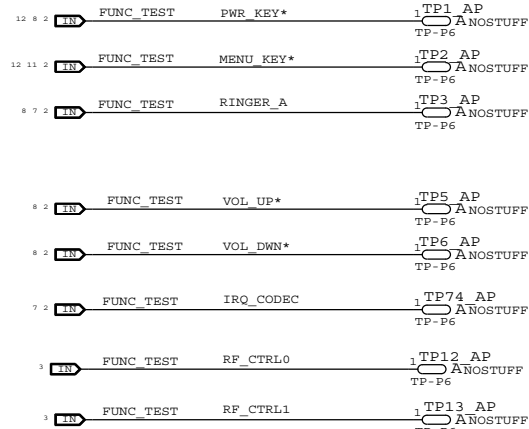
TRUTH TABLE FOR CONTROL SIGNAL

DOCK_UART_CTRL	BB_USART0_RXD_CTRL	UMTS_RXD_CTRL	DOCK_MUX FUNCTION
0	0	0	DOCK UART TO BB/UMTS TXD
0	0	1	DOCK TDI/TCK TO BB/UMTS RXD
0	1	0	NOT VALID
0	1	1	NOT VALID
1	0	0	H1 UART1 TO UMTS, H1_UART4 TO BB USART0
1	0	1	DOCK UART TO H1 UART0, DOCK JTAG TO H1 JTAG
1	1	0	NOT VALID
1	1	1	NOT VALID
1	1	1	H1 UART1 TO UMTS, H1_UART4 TO BB USART0 DOCK UART TO H1 UART0, DOCK JTAG TO H1 JTAG

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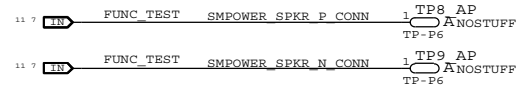
TEST POINTS

GPIO

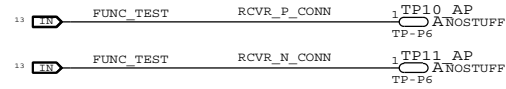


AUDIO

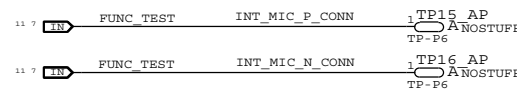
SPEAKER



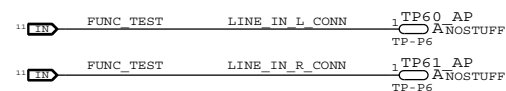
RECEIVER



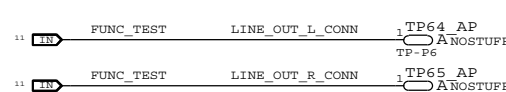
MIC



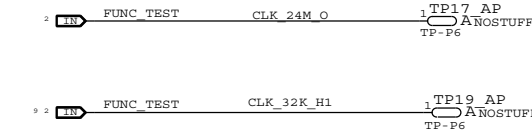
LINE IN



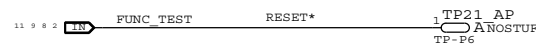
LINE OUT



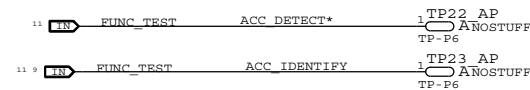
CLOCK



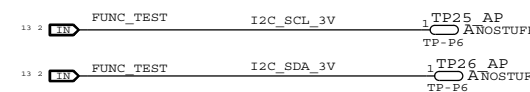
RESET



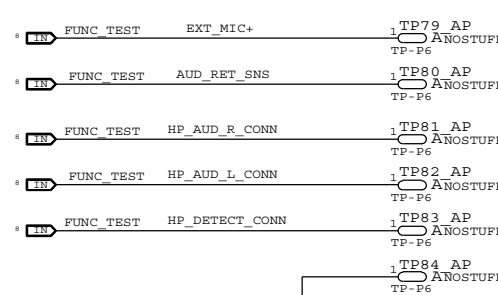
ACCESSORY DETECT



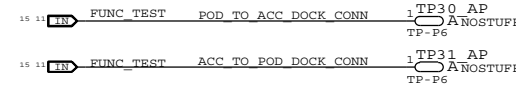
I2C PINS



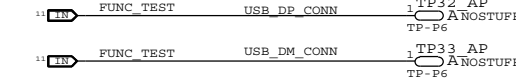
HEADPHONE



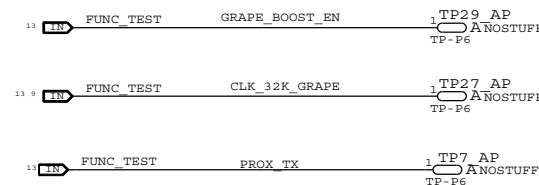
UART



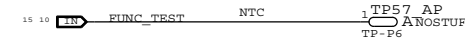
USB



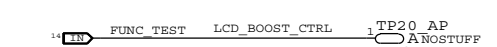
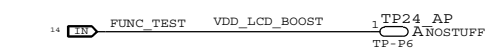
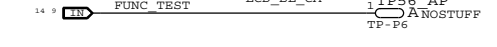
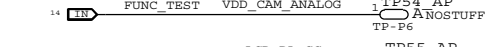
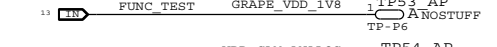
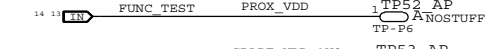
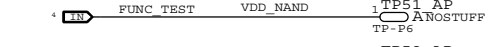
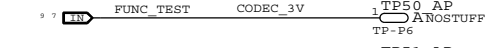
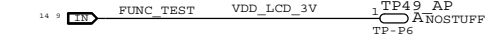
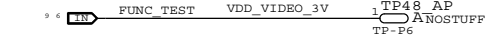
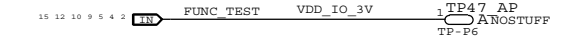
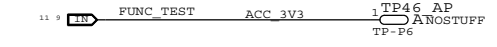
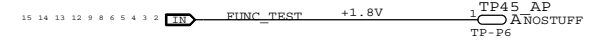
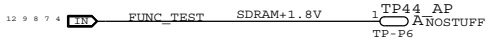
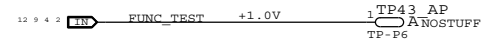
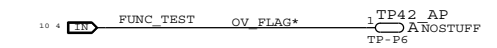
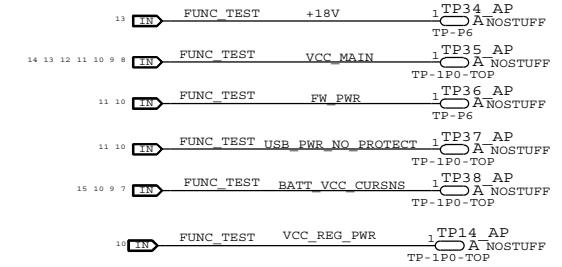
GRAPE



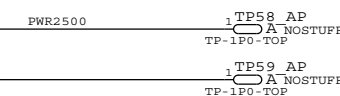
THERMISTOR



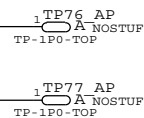
POWER



POWER GND

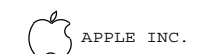


SIGNAL GND

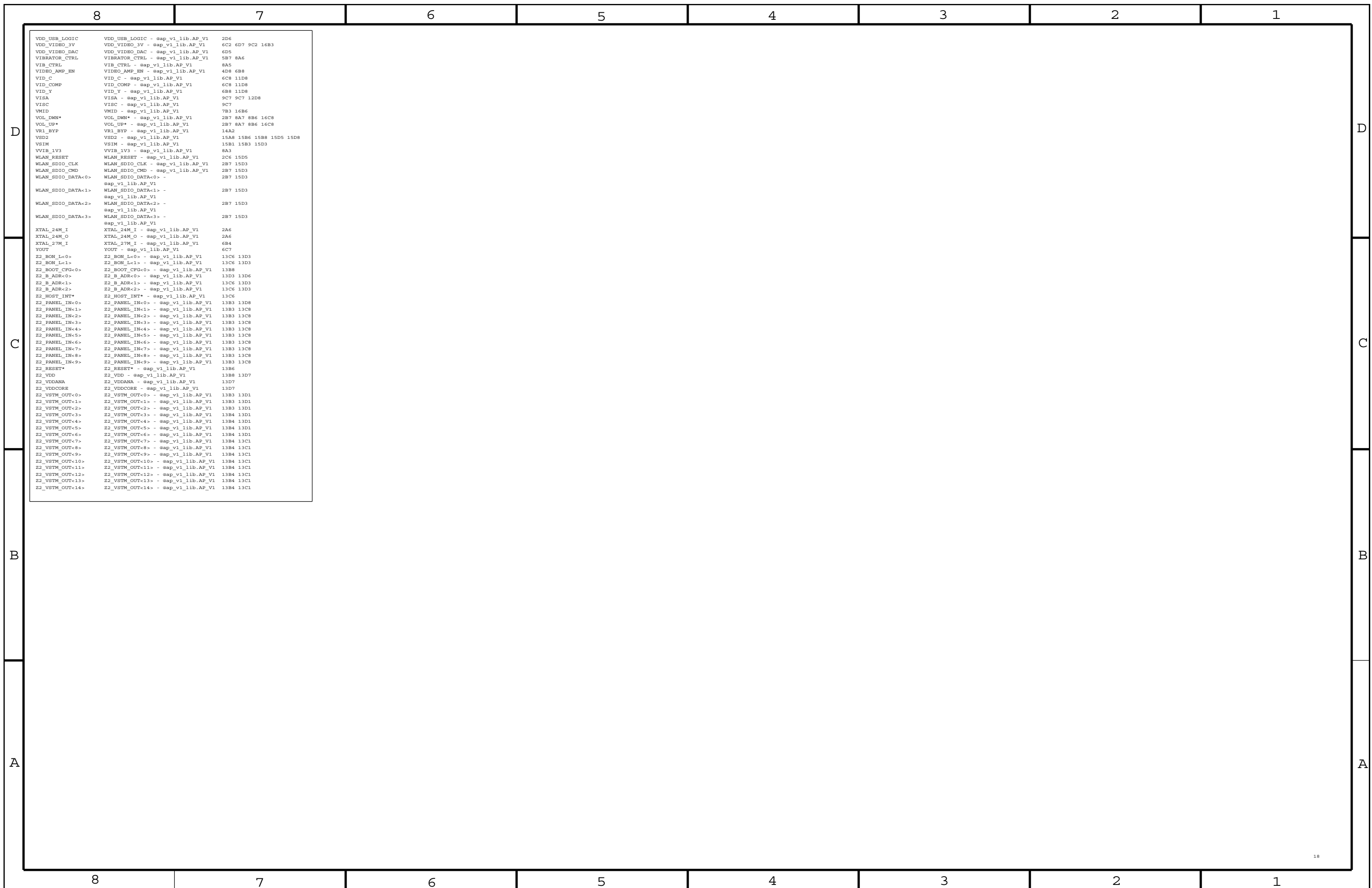


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SIZE	DRAWING NUMBER	REV.
D	051-7340	02
SCALE	SHT 16 OF 20	
NONE		



8			7			6			5			4			3			2			1		
Title: Cref Part Report																							
Design: ap_v1																							
Date: Feb 14 18:02:47 2008																							
C1	CAP_201	ap_v1[9C3]	C122	CAP_201	ap_v1[7A4]	C228	CAP_201	ap_v1[9A6]	D28	1	SUPPR_TRANSIENT1_020 ap_v1[8C3]	R18	RES_201	ap_v1[13A4]									
C2	CAP_201	ap_v1[9C3]	C123	CAP_402	ap_v1[9B3]	C229	CAP_201	ap_v1[9A6]	D29	1	SUPPR_TRANSIENT1_020 ap_v1[8C3]	R19	RES_201	ap_v1[2A6]									
C3	CAP_603	ap_v1[13D3]	C124	CAP_805	ap_v1[9B2]	C230	CAP_201	ap_v1[9A6]	D210	1	SUPPR_TRANSIENT1_020 ap_v1[8A7]	R20	RES_201	ap_v1[2A3]									
C4	CAP_P_0603-SM	ap_v1[7A5]	C125	CAP_603	ap_v1[9D3]	C231	CAP_201	ap_v1[9A6]	D211	1	SUPPR_TRANSIENT1_020 ap_v1[8A7]	R21	RES_201	ap_v1[2A3]									
C5	CAP_P_0603-SM	ap_v1[7A6]	C126	CAP_603	ap_v1[9D3]	C232	CAP_201	ap_v1[9A6]	D212	1	SUPPR_TRANSIENT1_020 ap_v1[13A2]	R22	RES_201	ap_v1[2A3]									
C6	CAP_201	ap_v1[8C3]	C127	CAP_201	ap_v1[9D3]	C233	CAP_201	ap_v1[11C6]	D213	1	SUPPR_TRANSIENT1_020 ap_v1[13A1]	R23	RES_201	ap_v1[9C2]									
C7	CAP_201	ap_v1[7D4]	C128	CAP_201	ap_v1[9D3]	C234	CAP_P_0603-SM	ap_v1[7A3]	D214	1	ZENER_GDZ-0201 ap_v1[10C6]	R24	RES_201	ap_v1[13A3]									
C8	CAP_402	ap_v1[9B4]	C129	CAP_402-LF	ap_v1[9B1]	C235	CAP_402-LF	ap_v1[12D3]	D215	1	SUPPR_TRANSIENT1_020 ap_v1[8C3]	R25	RES_201	ap_v1[2C3]									
C9	CAP_201	ap_v1[2A6]	C130	CAP_P_CASE-B3-SM1	ap_v1[9D6]	C236	CAP_201	ap_v1[12C3]	D216	1	SUPPR_TRANSIENT1_020 ap_v1[8B3]	R26	RES_201	ap_v1[2C2]									
C11	CAP_201	ap_v1[2A6]	C131	CAP_201	ap_v1[8B2]	C237	CAP_201	ap_v1[12D3]	D217	1	ZENER_GDZ-0201 ap_v1[10D6]	R27	RES_201	ap_v1[2C3]									
C12	CAP_201	ap_v1[2D6]	C132	CAP_201	ap_v1[11C6]	C238	CAP_201	ap_v1[12D3]	FL1	FILTER_2P_0201-1	ap_v1[2D6]	R28	RES_201	ap_v1[6B4]									
C13	CAP_402	ap_v1[2D5]	C133	CAP_P_0603-SM	ap_v1[7A3]	C239	CAP_201	ap_v1[12C3]	FL2	FILTER_2P_0201-1	ap_v1[2D6]	R29	RES_201	ap_v1[9A7]									
C14	CAP_402	ap_v1[13D5]	C134	CAP_402-LF	ap_v1[12D3]	C240	CAP_201	ap_v1[12C3]	FL3	FILTER_2P_0201-1	ap_v1[2A5]	R30	RES_201	ap_v1[3C4]									
C15	CAP_201	ap_v1[2D6]	C135	CAP_201	ap_v1[12C3]	C241	CAP_201	ap_v1[12D3]	FL4	FILTER_2P_0201-1	ap_v1[3D4]	R31	RES_201	ap_v1[3C4]									
C16	CAP_201	ap_v1[2D5]	C136	CAP_201	ap_v1[12D3]	C242	CAP_402	ap_v1[13A8]	FL5	FILTER_2P_0402-1	ap_v1[4B1]	R32	RES_201	ap_v1[3A4]									
C17	CAP_201	ap_v1[2D5]	C137	CAP_402	ap_v1[15B3]	C243	CAP_201	ap_v1[14B5]	FL6	FILTER_2P_0201-1	ap_v1[7D5]	R33	RES_201	ap_v1[10A4]									
C18	CAP_201	ap_v1[2D5]	C138	CAP_201	ap_v1[14B5]	C244	CAP_201	ap_v1[9D2]	FL7	FILTER_2P_0201-1	ap_v1[13A2]	R34	RES_201	ap_v1[2C8]									
C19	CAP_201	ap_v1[2D4]	C139	CAP_201	ap_v1[9D2]	C245	CAP_603	ap_v1[14C2]	FL8	FILTER_2P_0201-1	ap_v1[5C4]	R35	RES_201	ap_v1[8A5]									
C20	CAP_402	ap_v1[10B4]	C140	CAP_603	ap_v1[14C2]	C246	CAP_201	ap_v1[14C6]	FL9	FILTER_2P_0201-1	ap_v1[6D7]	R36	RES_201	ap_v1[10B7]									
C21	CAP_201	ap_v1[2D4]	C141	CAP_201	ap_v1[14C6]	C247	CAP_201	ap_v1[14A5]	FL10	FILTER_2P_0201-1	ap_v1[11D2]	R37	RES_201	ap_v1[14D2]									
C22	CAP_201	ap_v1[2D4]	C142	CAP_402	ap_v1[13B2]	C248	CAP_201	ap_v1[13A7]	FL11	FILTER_2P_0201-1	ap_v1[11D2]	R38	RES_201	ap_v1[6B7]									
C23	CAP_201	ap_v1[2D4]	C143	CAP_201	ap_v1[13B2]	C249	CAP_402-LF	ap_v1[13D8]	FL12	FILTER_2P_0201-1	ap_v1[15C6]	R39	RES_201	ap_v1[8D7]									
C24	CAP_402	ap_v1[10A5]	C144	CAP_201	ap_v1[13B1]	C250	CAP_402-LF	ap_v1[13D8]	FL13	IND_0402B	ap_v1[11C2]	R40	RES_201	ap_v1[10A5]									
C25	CAP_603	ap_v1[10A6]	C145	CAP_201	ap_v1[13B1]	C251	CAP_402-LF	ap_v1[13A8]	FL14	FILTER_2P_0201-1	ap_v1[11D2]	R41	RES_201	ap_v1[10A4]									
C26	CAP_201	ap_v1[2D4]	C146	CAP_201	ap_v1[10D6]	C252	CAP_402-LF	ap_v1[13A8]	FL15	FILTER_2P_0201-1	ap_v1[11D2]	R42	RES_201	ap_v1[10A4]									
C27	CAP_201	ap_v1[2D4]	C147	CAP_603	ap_v1[13D8]	C253	CAP_402-LF	ap_v1[13A8]	FL16	FILTER_2P_0201-1	ap_v1[15C6]	R43	RES_201	ap_v1[8D7]									
C28	CAP_201	ap_v1[2D4]	C148	CAP_201	ap_v1[13A7]	C254	CAP_402-LF	ap_v1[13A8]	FL17	FILTER_2P_0201-1	ap_v1[11D7]	R44	RES_201	ap_v1[2C8]									
C29	CAP_201	ap_v1[2D3]	C149	CAP_402-LF	ap_v1[13D8]	C255	CAP_402-LF	ap_v1[13A8]	FL18	FILTER_2P_0201-1	ap_v1[11D7]	R45	RES_201	ap_v1[4B8]									
C30	CAP_201	ap_v1[3D5]	C150	CAP_201	ap_v1[13A8]	C256	CAP_402-LF	ap_v1[13A8]	FL19	FILTER_2P_0201-1	ap_v1[6D7]	R46	RES_201	ap_v1[10C5]									
C31	CAP_201	ap_v1[3D5]	C151	CAP_201	ap_v1[13D7]	C257	CAP_402-LF	ap_v1[13A8]	FL20	FILTER_2P_0201-1	ap_v1[11D7]	R47	RES_201	ap_v1[5D5]									
C32	CAP_201	ap_v1[3D4]	C152	CAP_201	ap_v1[13D6]	C258	CAP_402-LF	ap_v1[13A8]	FL21	FILTER_2P_0201-1	ap_v1[12D4]	R48	RES_201	ap_v1[5D5]									
C33	CAP_201	ap_v1[3D4]	C153	CAP_201	ap_v1[13D6]	C259	CAP_201	ap_v1[13A6]	FL22	FILTER_2P_0201-1	ap_v1[14C6]	R49	RES_201	ap_v1[5A5]									
C34	CAP_201	ap_v1[3D4]	C154	CAP_402	ap_v1[13D6]	C260	CAP_201	ap_v1[13A6]	FL23	FIL_NUF244FC_BGA	ap_v1[7D6]	R50	RES_201	ap_v1[5A4]									
C35	CAP_201	ap_v1[4C6]	C155	CAP_201	ap_v1[13A6]	C261	CAP_201	ap_v1[13A6]	FL24	FIL_NUF244FC_BGA	ap_v1[7C6]	R51	RES_201	ap_v1[5A2]									
C36	CAP_201	ap_v1[4D6]	C156	CAP_603	ap_v1[13A5]	C262	CAP_201	ap_v1[13D2]	FL25	FILTER_2P_0201-1	ap_v1[18C3]	R52	RES_201	ap_v1[5A2]									
C37	CAP_402-LF	ap_v1[4C6]	C157	CAP_201	ap_v1[13D2]	C263	CAP_201	ap_v1[13D2]	FL26	FILTER_2P_0201-1	ap_v1[14A6]	R53	RES_201	ap_v1[6C7]									
C38	CAP_201	ap_v1[4C3]	C158	CAP_201	ap_v1[14D4]	C264	CAP_201	ap_v1[14D4]	FL27	FILTER_2P_0201-1	ap_v1[13A2]	R54	RES_201	ap_v1[6C7]									
C39	CAP_201	ap_v1[4C3]	C159	CAP_402	ap_v1[9B4]	C265	CAP_402	ap_v1[9B4]	FL28	FILTER_2P_0201-1	ap_v1[7D4]	R55	RES_201	ap_v1[6B7]									
C40	CAP_201	ap_v1[4C3]	C160	CAP_402	ap_v1[9B3]	C266	CAP_402	ap_v1[9B3]	FL29	FILTER_2P_0201-1	ap_v1[11D7]	R56	RES_201	ap_v1[8D4]									
C41	CAP_201	ap_v1[4B3]	C161	CAP_402	ap_v1[9B3]	C267	CAP_402	ap_v1[9B3]	FL30	FILTER_2P_0402-1	ap_v1[7C4]	R57	RES_201	ap_v1[8D4]									
C42	CAP_402	ap_v1[8A4]	C162	CAP_402	ap_v1[9B2]	C268	CAP_402	ap_v1[9B2]	FL31	FILTER_2P_0201-1	ap_v1[11B7]	R58	RES_201	ap_v1[3C4]									
C43	CAP_603	ap_v1[10A6]	C163	CAP_402	ap_v1[9B2]	C269	CAP_402	ap_v1[9B2]	FL32	FILTER_2P_0201-1	ap_v1[11B7]	R59	RES_201	ap_v1[6B5]									
C44	CAP_201	ap_v1[4B3]	C164	CAP_201	ap_v1[13D7]	C270	CAP_402	ap_v1[9B2]	FL33	FILTER_2P_0201-1	ap_v1[11B7]	R60	RES_201	ap_v1[6B5]									
C45	CAP_201	ap_v1[4B3]	C165	CAP_402	ap_v1[13D3]	C271	CAP_402	ap_v1[9B2]	FL34	FILTER_2P_0201-1	ap_v1[11B7]	R61	RES_201	ap_v1[6B5]									
C46	CAP_201	ap_v1[4C2]	C166	CAP_201	ap_v1[2C6]	C272	CAP_402	ap_v1[9B2]	FL35	FILTER_2P_0201-1	ap_v1[11A7]	R62	RES_201	ap_v1[6B4]									
C47	CAP_201	ap_v1[4C2]	C167	CAP_402	ap_v1[14D3]	C273	CAP_402	ap_v1[9B2]	FL36	FILTER_2P_0201-1	ap_v1[11A7]	R63	RES_201	ap_v1[3B4]									
C48	CAP_201	ap_v1[4C3]	C168	CAP_201	ap_v1[2C5]	C274	CAP_402	ap_v1[9B2]	FL37	FILTER_2P_0201-1	ap_v1[8C2]	R64	RES_201	ap_v1[9A2]									
C49	CAP_201	ap_v1[4B3]	C169	CAP_402	ap_v1[9C7]	C275	CAP_402	ap_v1[9B2]	FL38	FILTER_2P_0201-1	ap_v1[8C2]	R65	RES_201	ap_v1[6B2]									
C50	CAP_201	ap_v1[4B3]	C170	CAP_402	ap_v1[9B7]	C276	CAP_402	ap_v1[9B2]	FL39	FILTER_2P_0201-1	ap_v1[8C3]	R66	RES_201	ap_v1[6B2]									
C51	CAP_201	ap_v1[4C2]	C171	CAP_402	ap_v1[9D7]	C277	CAP_402	ap_v1[9B2]	J1	CON_M42ST_D4MT_SM_M- ap_v1[11D4]		R67	RES_201	ap_v1[6C2]									
C52	CAP_402-LF	ap_v1[4C3]	C172	CAP_402	ap_v1[9D7]	C278	CAP_402	ap_v1[9B2]	J2	CON_F8ST_7MT_SIMCARD ap_v1[15B3]		R68	RES_201	ap_v1[7B7]									
C53	CAP_201	ap_v1[4D3]	C173	CAP_201	ap_v1[7D7]	C279	CAP_402	ap_v1[9B2]	J3	CON_F24ST_D4MT_SM_F- ap_v1[14A5]		R69	RES_201	ap_v1[7A7]									
C54	CAP_201	ap_v1[4B2]	C174	CAP_201	ap_v1[11C6]	C280	CAP_402	ap_v1[9B2]	J5	CON_M10ST_D4MT_SM_M- ap_v1[8B5]		R70	RES_201	ap_v1[7B7]									
C55	CAP_201	ap_v1[4B2]	C175	CAP_201	ap_v1[11C6]	C281	CAP_402	ap_v1[9B2]	J6	CON_M30ST_D4MT_SM_M- ap_v1[13C3]		R71	RES_201	ap_v1[8D4]									
C56	CAP_201	ap_v1[4C2]	C176	CAP_201	ap_v1[14D2]	C282	CAP_402	ap_v1[9B2]	J7	CON_F12RT_D_SMI_P-RT ap_v1[13B2]		R72	RES_201	ap_v1[3C4]									
C57	CAP_201	ap_v1[4C2]	C177	CAP_201	ap_v1[14D1]	C283	CAP_402	ap_v1[9B2]	J21	CON_M24ST_D4MT_SM_M- ap_v1[14C4]		R73	RES_201	ap_v1[8D4]									
C58	CAP_201	ap_v1[4D2]	C178	CAP_201	ap_v1[9D1]	C284	CAP_402	ap_v1[9B2]	L2	IND_VLS3012-SM-HF ap_v1[10B4]		R74	RES_201	ap_v1[3C4]									
C59	CAP_201	ap_v1[4B2]	C179	CAP_201	ap_v1[13B1]	C285	CAP_402	ap_v1[9B2]	L3	FILTER_10P_0603 ap_v1[14C6]		R75	RES_201	ap_v1[3B4]									
C60																							

	8	7	6	5	4	3	2	1
D	R164	RES_201	ap_v1[14C2]	U5	74LVC2G66_BGA	ap_v1[12B2 12B3]		
	R165	RES_201	ap_v1[5A2]	U6	74LVC2G04_SOT891	ap_v1[2B2 2B2]		
	R173	RES_201	ap_v1[2C6]	U7	74LVC2G04_SOT891	ap_v1[2A3 2A3]		
	R177	RES_201	ap_v1[9C8]	U8	74LVC2G34_SOT891	ap_v1[2B2 2A2]		
	R179	RES_201	ap_v1[5C6]	U9	LTC4088EDE2_DFN14	ap_v1[10B5]		
	R180	RES_201	ap_v1[5D6]	U10	74LVC1G157_SOT891	ap_v1[5D2]		
	R181	RES_201	ap_v1[5C6]	U11	FLASH_SST25VF080B_WS	ap_v1[5D4]		
	R182	RES_201	ap_v1[5D3]		ON			
	R220	RES_201	ap_v1[15B7]	U12	CD3272_NCSPP	ap_v1[8D6]		
	R221	RES_201	ap_v1[15B7]	U15	LM2512_UFBGA	ap_v1[5B3]		
	R222	RES_201	ap_v1[15A7]	U16	74LVC1G157_SOT891	ap_v1[12B7]		
	R223	RES_201	ap_v1[15A8]	U17	74LVC1G10_SOT891	ap_v1[12B6]		
	R224	RES_201	ap_v1[15A8]	U18	74LVC1G99_SOT833	ap_v1[12D7]		
	R231	RES_201	ap_v1[9C7]	U19	OM3805_HUQFN	ap_v1[9C5]		
	R232	RES_201	ap_v1[12B8]	U22	74LVC2G04_SOT891	ap_v1[14D4]		
	R233	RES_201	ap_v1[5D5]	U23	DCDC_LTC3459_DFN	ap_v1[14D3]		
	R234	RES_201	ap_v1[5D5]	U25	LIS331DL_LGA	ap_v1[12D3]		
	R235	RES_201	ap_v1[5C7]	U26	SUPPR_NUP412VPS_SOT9	ap_v1[15B1]		
	R236	RES_201	ap_v1[15A8]		53			
	R237	RES_201	ap_v1[15B8]	U27	BCM5974_BGA57_UFBGA	ap_v1[13D7]		
	R238	RES_201	ap_v1[7A6]	U28	LT3460EDC_DFN	ap_v1[13A7]		
	R239	RES_201	ap_v1[7A5]	U29	FLASH_16GX8_48P_TSOP	ap_v1[4C7]		
	R240	RES_201	ap_v1[15A6]		-WELP-BGA			
	R241	RES_201	ap_v1[15A6]	U30	ISL59121_WLCSPP	ap_v1[6C6]		
	R242	RES_201	ap_v1[11C3]	U31	74AUP2G126_SOT833	ap_v1[15C7]		
	R243	RES_201	ap_v1[13A5]	U32	74AUP2G125_SOT833	ap_v1[15C7]		
	R244	RES_201	ap_v1[7A6]	U33	74AUP2G125_SOT833	ap_v1[15B5]		
R245	RES_201	ap_v1[7A7]	U34	74AUP2G126_SOT833	ap_v1[15B5]			
R246	RES_201	ap_v1[7A5]	U35	74LVC2G34_SOT891	ap_v1[15D6]			
R247	RES_201	ap_v1[7A4]	U36	74LVC2G08_SOT833	ap_v1[8A5]			
RP2	RPAK4P_4X0201-HF	ap_v1[4D7]	U36	74LVC2G08_SOT833	ap_v1[9A6]			
RP3	RPAK4P_4X0201-HF	ap_v1[4B5]	U37	74LVC1G157_SOT891	ap_v1[15B7]			
S1	SWI_LM34902_USMD	ap_v1[11B3]	U38	74LVC1G157_SOT891	ap_v1[15A7]			
SH1	SHLD_1P_SM	ap_v1[15B2]	U39	74LVC2G34_SOT891	ap_v1[15D6]			
SH2	SHLD_1P_SM	ap_v1[15A2]	U40	74AUP1T97_SOT891	ap_v1[5D7]			
SH3	SHLD_1P_SM	ap_v1[15B1]	U41	74AUP1T97_SOT891	ap_v1[5D7]			
SH4	SHLD_1P_SM	ap_v1[15A1]	U42	74AUP1T97_SOT891	ap_v1[5C7]			
SH5	SHLD_1P_SM	ap_v1[15A2]	U59	H1_N82_BGA	ap_v1[2C5]			
SL1	SLOT_TH	ap_v1[15B3]	U59	H1_N82_BGA	ap_v1[3C6]			
SL2	SLOT_TH	ap_v1[15B3]	U59	H1_N82_BGA	ap_v1[4D4 4D6]			
SL3	SLOT_TH	ap_v1[15A3]	U59	H1_N82_BGA	ap_v1[5B6]			
SL4	SLOT_TH	ap_v1[15A3]	U59	H1_N82_BGA	ap_v1[6C4]			
SL5	SLOT_TH	ap_v1[15A3]	VR1	VREG_LP3986_BGA	ap_v1[14B2]			
SL6	SLOT_TH	ap_v1[15A3]	VR2	LREG_RP1022_WLCSPP4	ap_v1[8A4]			
SL7	SMT_PAD_SM-NSP	ap_v1[15C4]	XW1	SHORT_SHORT-0201	ap_v1[2D6]			
SL8	SMT_PAD_SM-NSP	ap_v1[15C4]	XW2	SHORT_SHORT-0201	ap_v1[15D2]			
SL9	SMT_PAD_SM-NSP	ap_v1[15B4]	XW3	SHORT_SHORT-0201	ap_v1[15D2]			
SL10	SMT_PAD_SM-NSP	ap_v1[15B4]	XW4	SHORT_SHORT-0201	ap_v1[15D2]			
SL11	SMT_PAD_SM-NSP	ap_v1[15B4]	XW5	SHORT_SHORT-0201	ap_v1[15D2]			
SL12	MTGHOLE	ap_v1[15B4]	XW6	SHORT_SHORT-0201	ap_v1[2D3]			
SL13	MTGHOLE	ap_v1[15B4]	XW7	SHORT_SHORT-0201-NSM	ap_v1[2D3]			
TP1	TP_TP-P6	ap_v1[16D7]	XW8	SHORT_SHORT-0201	ap_v1[2D3]			
TP2	TP_TP-P6	ap_v1[16D7]	XW9	SHORT_SHORT-0201-NSM	ap_v1[9A3]			
TP3	TP_TP-P6	ap_v1[16D7]	XW10	SHORT_SHORT-0201-NSM	ap_v1[4C5]			
TP5	TP_TP-P6	ap_v1[16C7]	XW11	SHORT_SHORT-0201	ap_v1[4D3]			
TP6	TP_TP-P6	ap_v1[16C7]	XW12	SHORT_SHORT-0201	ap_v1[13B6]			
TP7	TP_TP-P6	ap_v1[16C4]	XW18	SHORT_SHORT-0201	ap_v1[13C5]			
TP8	TP_TP-P6	ap_v1[16C7]	XW21	SHORT_SHORT-0201-NSM	ap_v1[14D4]			
TP9	TP_TP-P6	ap_v1[16B7]	XW22	SHORT_SHORT-0201	ap_v1[14B3]			
TP10	TP_TP-P6	ap_v1[16B7]	XW23	SHORT_SM	ap_v1[9B6]			
TP11	TP_TP-P6	ap_v1[16B7]	XW25	SHORT_SM	ap_v1[9C4]			
TP12	TP_TP-P6	ap_v1[16C7]	XW26	SHORT_SM	ap_v1[9C4]			
TP13	TP_TP-P6	ap_v1[16C7]	XW33	SHORT_SHORT-0201	ap_v1[13B5]			
TP14	TP_TP-1P0-TOP	ap_v1[16C2]	XW34	SHORT_SHORT-0201	ap_v1[13B5]			
TP15	TP_TP-P6	ap_v1[16B7]	XW35	SHORT_SHORT-0201	ap_v1[13C5]			
TP16	TP_TP-P6	ap_v1[16B7]	XW36	SHORT_SHORT-0201	ap_v1[13C5]			
TP17	TP_TP-P6	ap_v1[16D5]	XW41	SHORT_SM	ap_v1[10C4]			
TP19	TP_TP-P6	ap_v1[16D5]	XW43	SHORT_SHORT-0201-NSM	ap_v1[2C8]			
TP20	TP_TP-P6	ap_v1[16A2]	XW44	SHORT_SHORT-0201-NSM	ap_v1[9C7]			
TP21	TP_TP-P6	ap_v1[16C5]	XW50	SHORT_SHORT-0201-NSM	ap_v1[8D6]			
TP22	TP_TP-P6	ap_v1[16C5]	XW51	SHORT_SHORT-0201-NSM	ap_v1[8D6]			
TP23	TP_TP-P6	ap_v1[16C5]	Y1	CRYSTAL_4PIN_SM-2	ap_v1[2A6]			
TP24	TP_TP-P6	ap_v1[16A2]	Y3	CRYSTAL_3_2X1.5X.6-S	ap_v1[9C8]			
TP25	TP_TP-P6	ap_v1[16B5]		M				
TP26	TP_TP-P6	ap_v1[16B5]						
TP27	TP_TP-P6	ap_v1[16C4]						
TP29	TP_TP-P6	ap_v1[16C4]						
TP30	TP_TP-P6	ap_v1[16D4]						
TP31	TP_TP-P6	ap_v1[16D4]						
TP32	TP_TP-P6	ap_v1[16C4]						
TP33	TP_TP-P6	ap_v1[16C4]						
TP34	TP_TP-P6	ap_v1[16D2]						
TP35	TP_TP-1P0-TOP	ap_v1[16D2]						
TP36	TP_TP-P6	ap_v1[16D2]						
TP37	TP_TP-1P0-TOP	ap_v1[16C2]						
TP38	TP_TP-1P0-TOP	ap_v1[16C2]						
TP42	TP_TP-P6	ap_v1[16C2]						
TP43	TP_TP-P6	ap_v1[16C2]						
TP44	TP_TP-P6	ap_v1[16C2]						
TP45	TP_TP-P6	ap_v1[16C2]						
TP46	TP_TP-P6	ap_v1[16C2]						
TP47	TP_TP-P6	ap_v1[16B2]						
TP48	TP_TP-P6	ap_v1[16B2]						
TP49	TP_TP-P6	ap_v1[16B2]						
TP50	TP_TP-P6	ap_v1[16B2]						
TP51	TP_TP-P6	ap_v1[16B2]						
TP52	TP_TP-P6	ap_v1[16B2]						
TP53	TP_TP-P6	ap_v1[16B2]						
TP54	TP_TP-P6	ap_v1[16B2]						
TP55	TP_TP-P6	ap_v1[16B2]						
TP56	TP_TP-P6	ap_v1[16B2]						
TP57	TP_TP-P6	ap_v1[16B4]						
TP58	TP_TP-1P0-TOP	ap_v1[16A4]						
TP59	TP_TP-1P0-TOP	ap_v1[16A4]						
TP60	TP_TP-P6	ap_v1[16A7]						
TP61	TP_TP-P6	ap_v1[16A7]						
TP64	TP_TP-P6	ap_v1[16A7]						
TP65	TP_TP-P6	ap_v1[16A7]						
TP73	TP_TP-P6	ap_v1[16A2]						
TP74	TP_TP-P6	ap_v1[16C7]						
TP75	TP_TP-P6	ap_v1[16B5]						
TP76	TP_TP-1P0-TOP	ap_v1[16A4]						
TP77	TP_TP-1P0-TOP	ap_v1[16A4]						
TP78	TP_TP-P6	ap_v1[16B5]						
TP79	TP_TP-P6	ap_v1[16A5]						
TP80	TP_TP-P6	ap_v1[16A5]						
TP81	TP_TP-P6	ap_v1[16A5]						
TP82	TP_TP-P6	ap_v1[16A5]						
TP83	TP_TP-P6	ap_v1[16A5]						
TP84	TP_TP-P6	ap_v1[16A5]						
U1	74AUP1T97_SOT891	ap_v1[13C4]						
U2	MAX4845_UDFN6	ap_v1[10C6]						
U3	WM1817_BGA	ap_v1[7C5]						
U4	MARIO_LITE_BGA	ap_v1[13D2]						

N82 HSDPA RADIO

EVT3B - 02/15/08:BRD REV10

PAGE	CONTENTS
02	BASEBAND
03	BASEBAND + MEMORY
04	BASEBAND PMU
05	GSM & UMTS TRANSCEIVER
06	POWER AMPS AND RF FRONT END
07	SYSTEM CONNECTORS
08	A-GPS
09	BLUETOOTH
10	WLAN RADIO

BOARD - 820-2186
SCHEMATIC - 051-7340
BOM - 630-8772

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
051-7340	1	N82_RF_AND_AP_SCHEMATIC	SCH	Y	
820-2186	1	N82_RF_AND_AP_PCB	PCB	Y	
825-2029	1	EEE: YSK(8GB), YEU(16GB)	EEE:YSK	Y	

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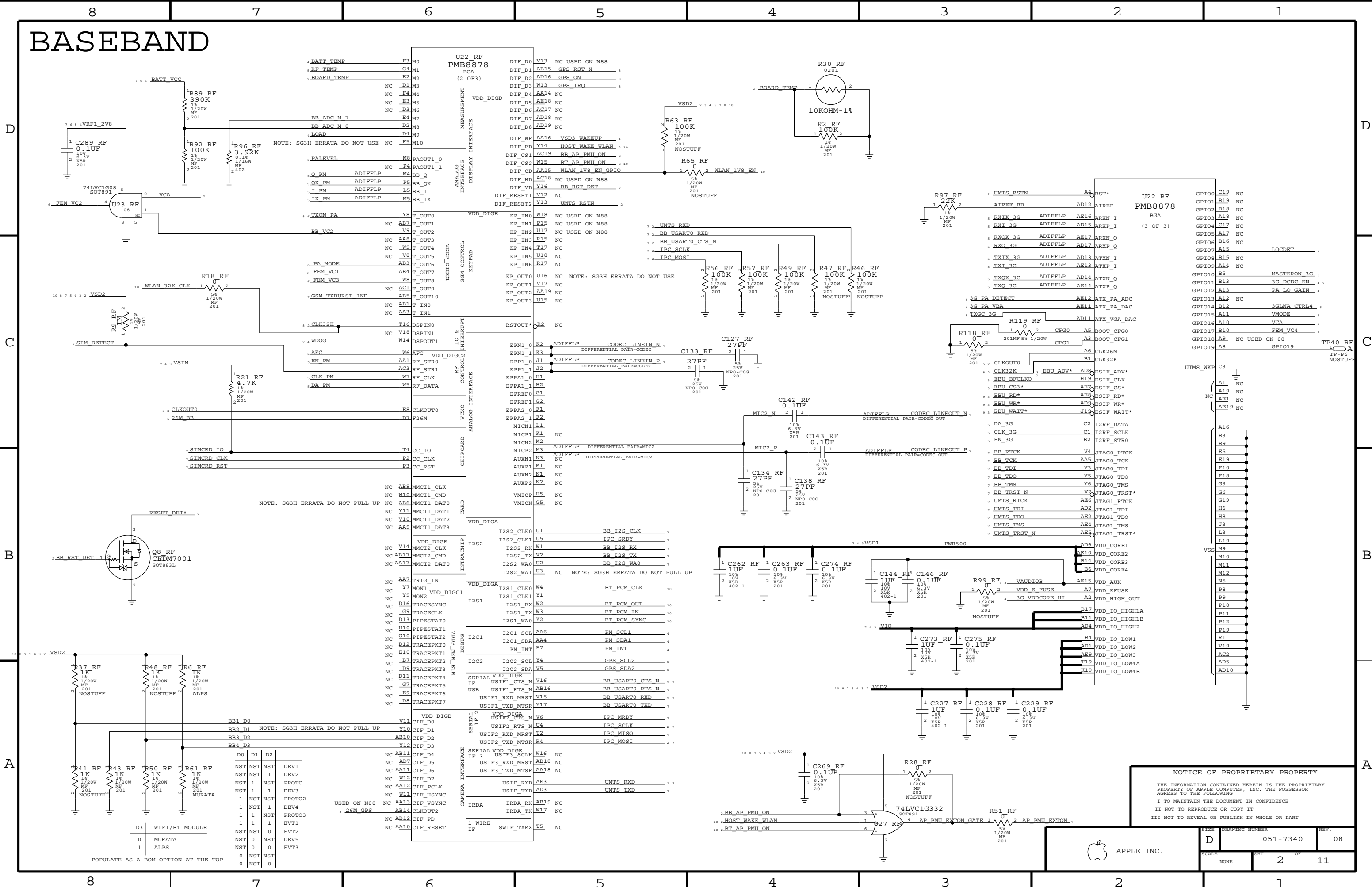
APPLE INC.

SIZE: DRAWING NUMBER REV.

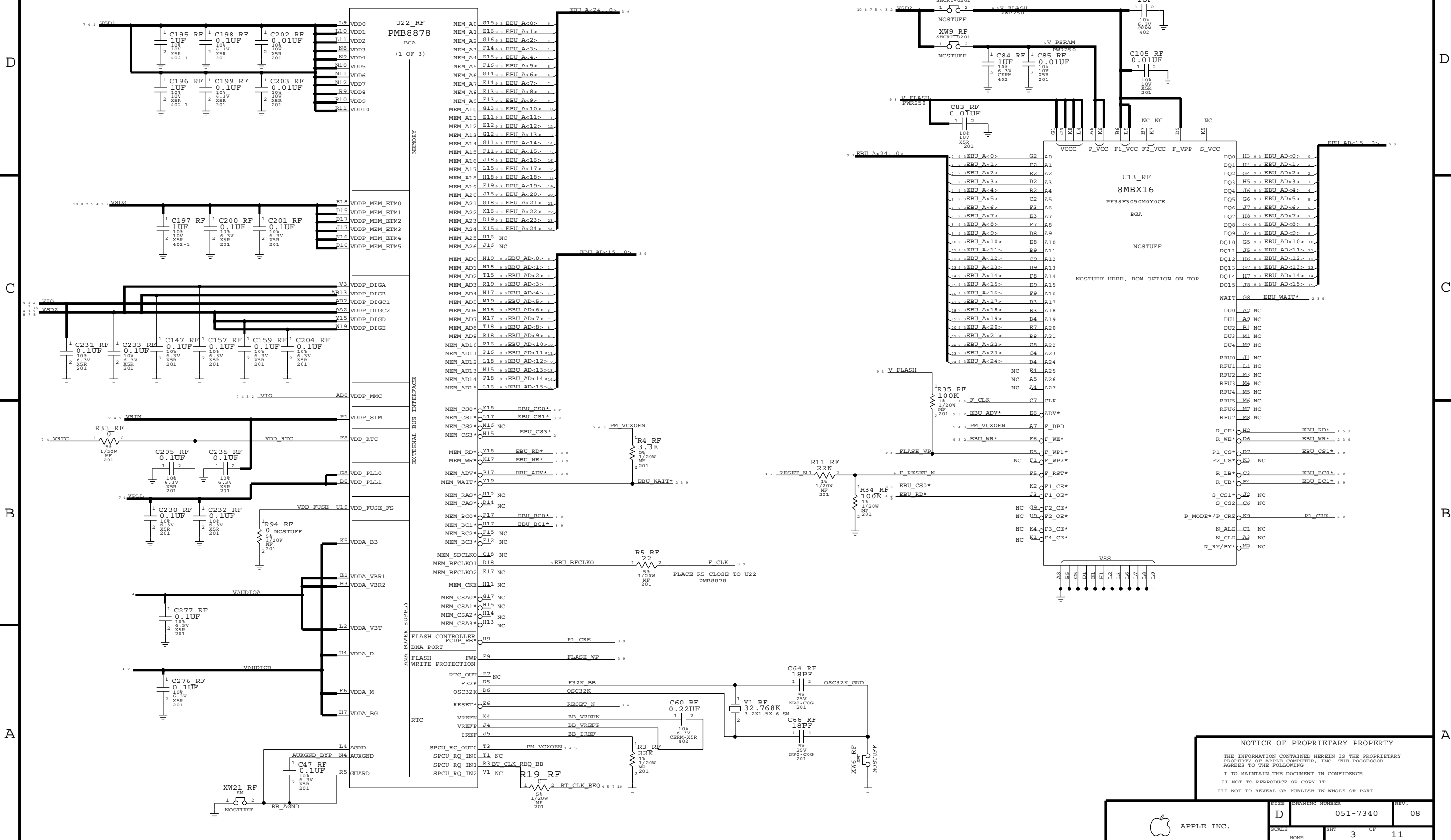
D 051-7340 08

SCALE: NONE SHEET 1 OF 11

BASEBAND



BASEBAND/RADIO MEM



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	051-7340		08
SCALE	NONE	SHT	3 OF 11



APPLE INC.

SM POWER 3 I PMU

BATTERY CONNECTOR

APN#: 998-1935

BATTERY-MLB-N82

NTC CONN

TP41 RF

TP42 RF

TP43 RF

TP44 RF

TP45 RF

TP46 RF

TP47 RF

TP48 RF

TP49 RF

TP50 RF

TP51 RF

TP52 RF

TP53 RF

TP54 RF

TP55 RF

TP56 RF

TP57 RF

TP58 RF

TP59 RF

TP60 RF

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TP323 RF

TP324 RF

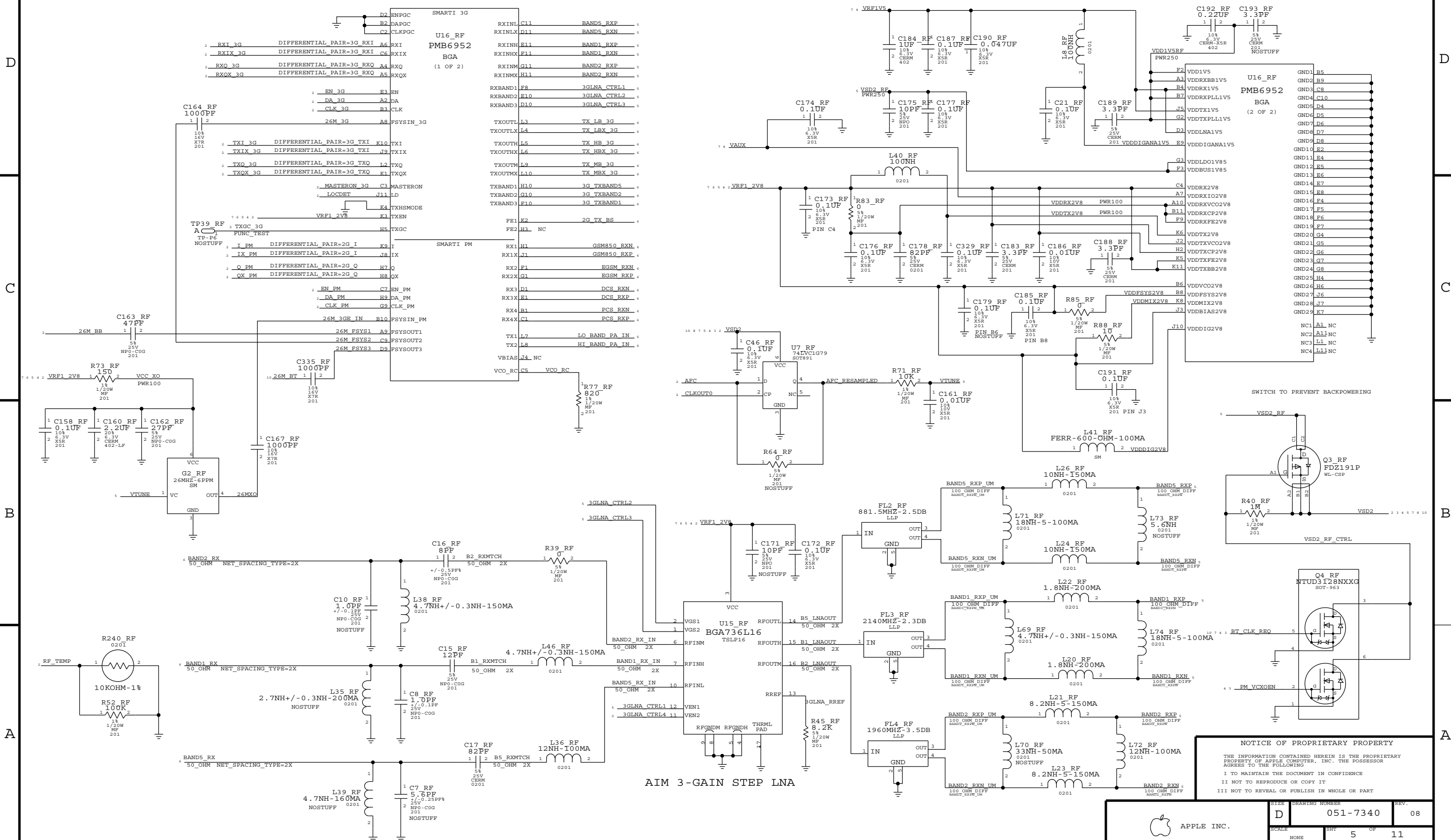
TP325 RF

TP326 RF

TP327 RF

GSM & UMTS TRANSCIEVER - SMARTI 3GE

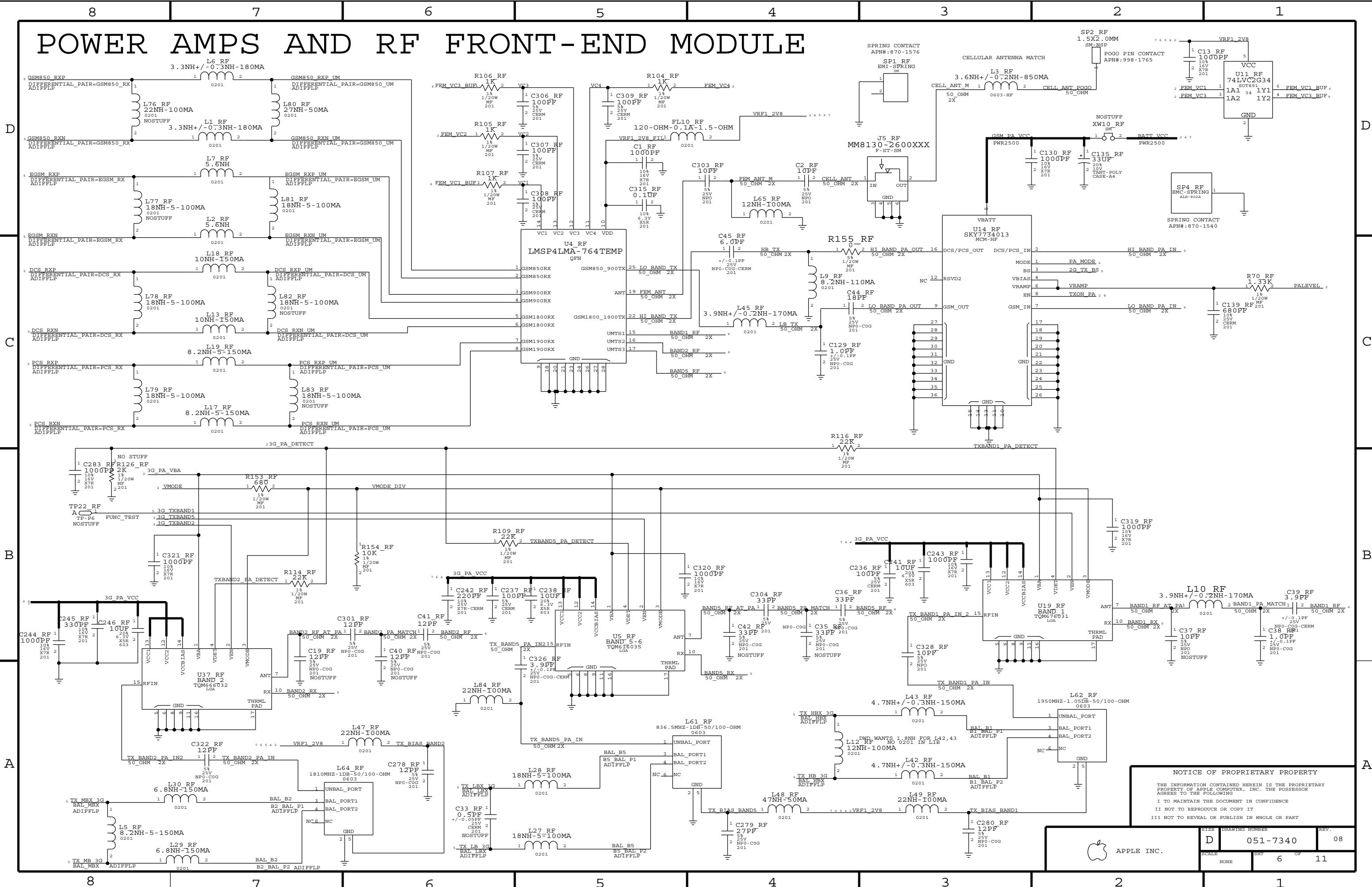
SMARTI3GE SUPPLIES



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NONE	5	11

POWER AMPS AND RF FRONT-END MODULE



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NONE	6	11

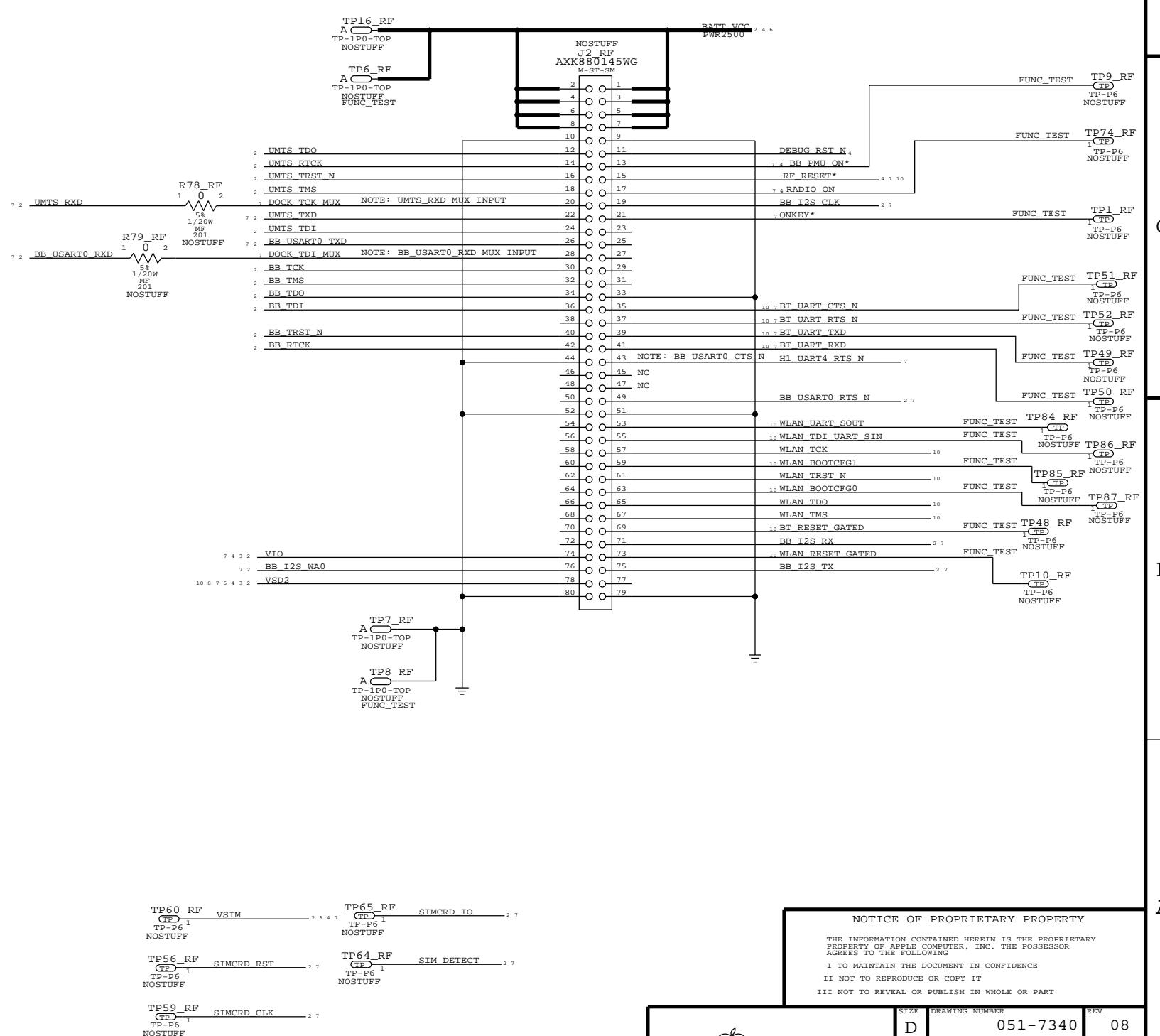
SYSTEM CONNECTORS

AP CONNECTIONS

DEBUG CONNECTOR 516S0612

10 4	BATT_VCC_CHRGNS	PWR2500	HEX	RADIO_ON	4 7
7	ONKEY*		HEX	WLAN_SDIO_DATA<2>	10
10 7 4	RF_RESET*		HEX	WLAN_SDIO_DATA<3>	10
10 8 7 5 4 3 2	VSD2		HEX	WLAN_SDIO_DATA<0>	10
			HEX	WLAN_SDIO_DATA<1>	10
4	NTC		HEX	WLAN_SDIO_CLK	10
4	BATSNS		HEX	WLAN_SDIO_CMD	10
7 4	BB_PMU_ON*		HEX		
10	WLAN_RESET		HEX	AP_PMU_EXTON	2
7 2	UMTS_RXD		HEX		
7 2	UMTS_TXD		HEX	IPC_MISO	2
10	BT_RESET		HEX	VSIM	2 3 4 7
			HEX	BB_RST	4
10 7	BT_UART_RTS_N		HEX		
10 7	BT_UART_TXD		HEX	RESET_DET*	2
10 7	BT_UART_RXD		HEX	BB_USART0_RXD	2 7
10 7	BT_UART_CTS_N		HEX	BB_USART0_TXD	2 7
7 2	BB_USART0_RTS_N		HEX	IPC_SCLK	2
			HEX	BB_USART0_CTS_N	2
2	CODEC_LINEIN_N		HEX		
2	CODEC_LINEIN_P		HEX		
			HEX	IPC_MOSI	2
			HEX	SIMCRD_CLK	2 7
			HEX	SIMCRD_RST	2 7
			HEX	SIMCRD_IO	2 7
2	CODEC_LINEOUT_P		HEX	IPC_MRDY	2
2	CODEC_LINEOUT_N		HEX	BB_I2S_CLK	2 7
7	DOCK_TDI_MUX		HEX	BB_I2S_WAO	2 7
7	DOCK_TCK_MUX		HEX	IPC_SRDY	2
7	H1_UART4_RTS_N		HEX	SIM_DETECT	2
			HEX	BB_I2S_RX	2 7
			HEX	BB_I2S_TX	2 7

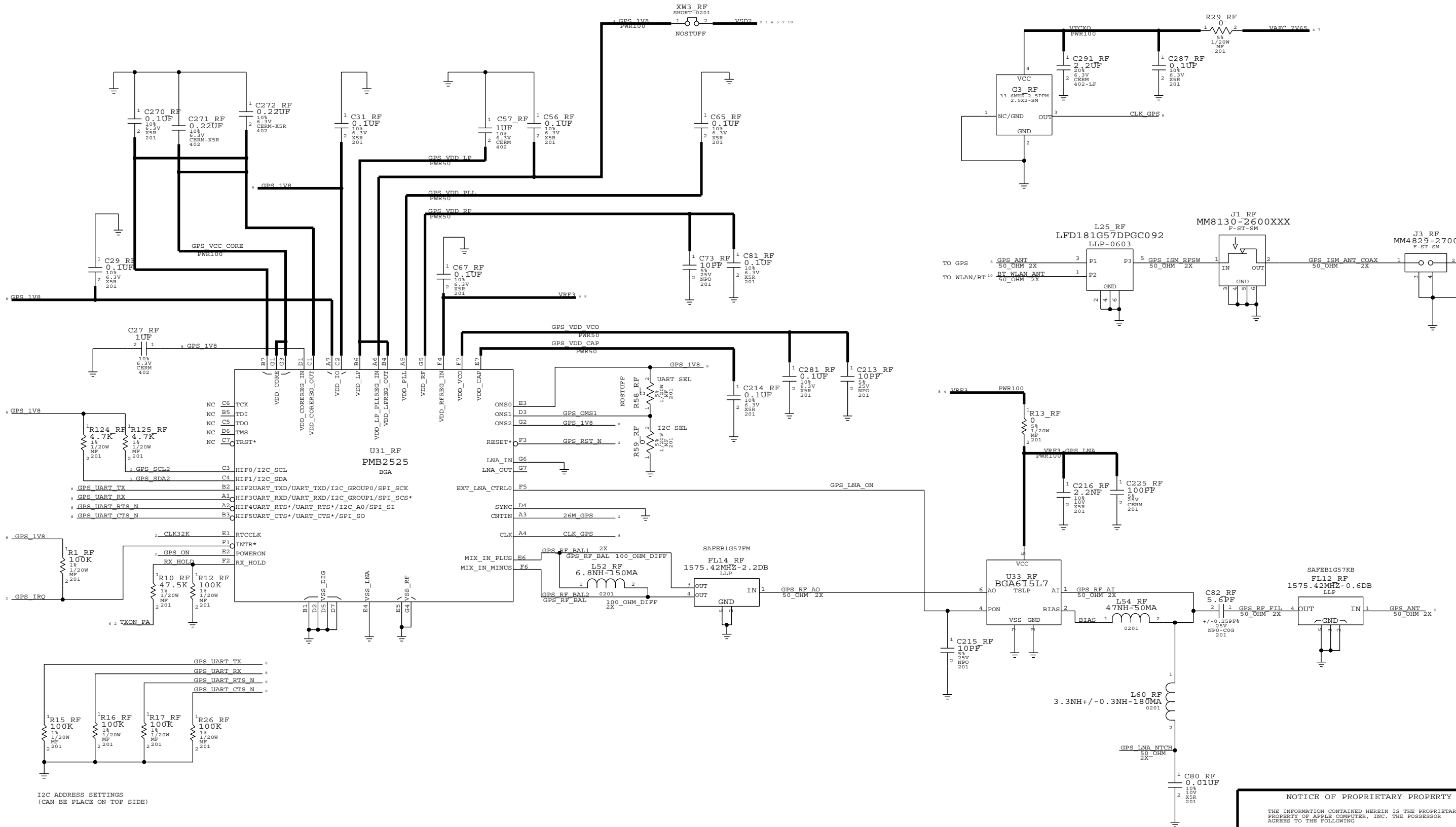
A	TP2_RF	VRTC	3 4	A	TP14_RF	BB_USART0_TXD	2 7
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP3_RF	VSD1	2 3 4	A	TP15_RF	DOCK_TDI_MUX	7
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP4_RF	VSD2	2 3 4 5 7 8 10	A	TP28_RF	BB_USART0_RTS_N	2 7
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP5_RF	VSD3	4 10	A	TP29_RF	H1_UART4_RTS_N	7
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP12_RF	VDD_BT_2V85	4 10	A	TP11_RF	3G_PA_VCC	4 6
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP13_RF	VRF1_2V8	2 4 5 6	A	TP38_RF	3G_DCDC_EN	2 4
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP23_RF	VIO	2 3 4 7	A	TP17_RF	BT_CLK_REQ	3 4 5 10
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP24_RF	VRF1V5	4 5	A	TP23_RF	WDOG	2 4
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP25_RF	VAFC_2V65	4 8	A	TP18_RF	GSM_TXBURST_IND	2
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP26_RF	VPLL	3 4	A	TP34_RF	BB_USART0_RXD	2 7
	TP-P6	FUNC_TEST			TP-P6	FUNC_TEST	
	NOSTUFF				NOSTUFF		
A	TP27_RF	VAUX	4 5				
	TP-P6	FUNC_TEST					
	NOSTUFF						



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	NONE	7 OF 11	08

A-GPS

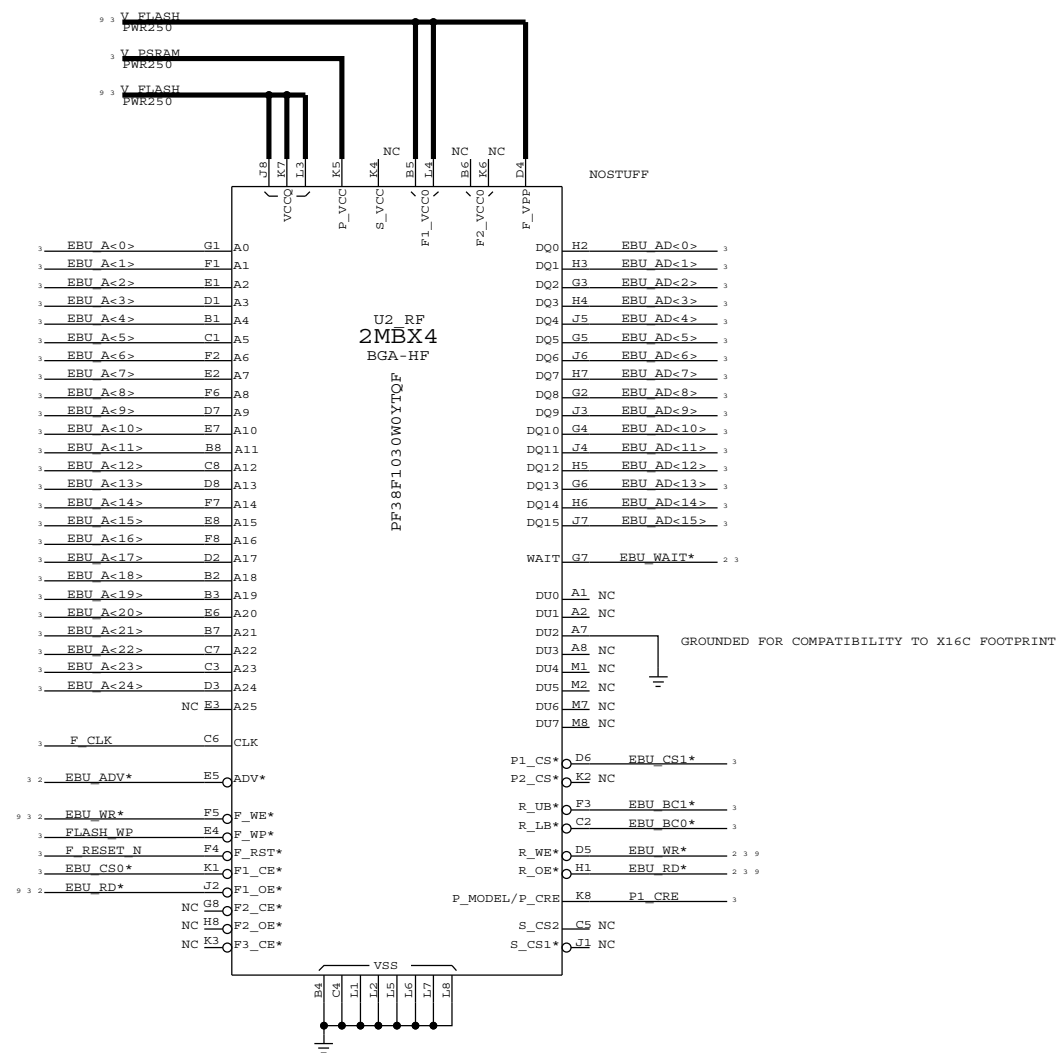


I2C ADDRESS SETTINGS
(CAN BE PLACE ON TOP SIDE)

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NONE	8		11

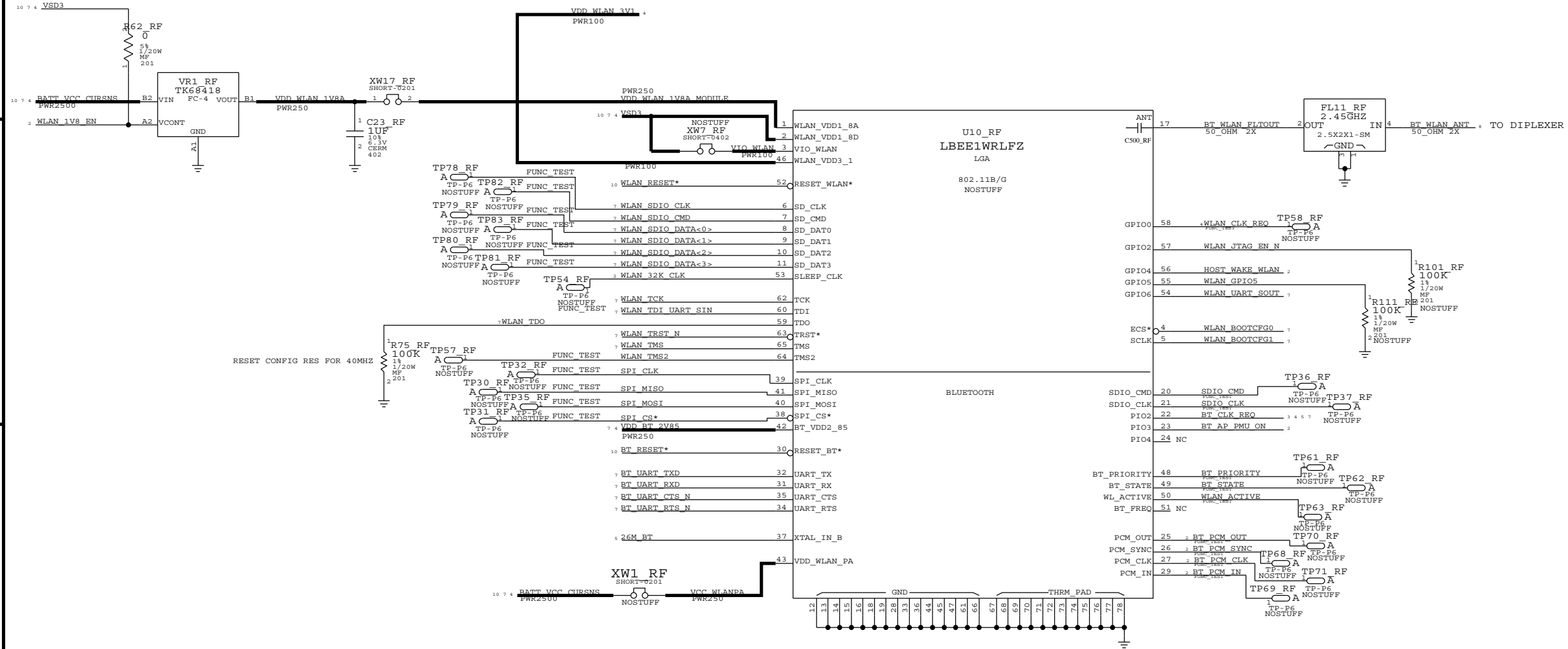
DUAL FOOTPRINTED LOW-COST MEMORY OPTION



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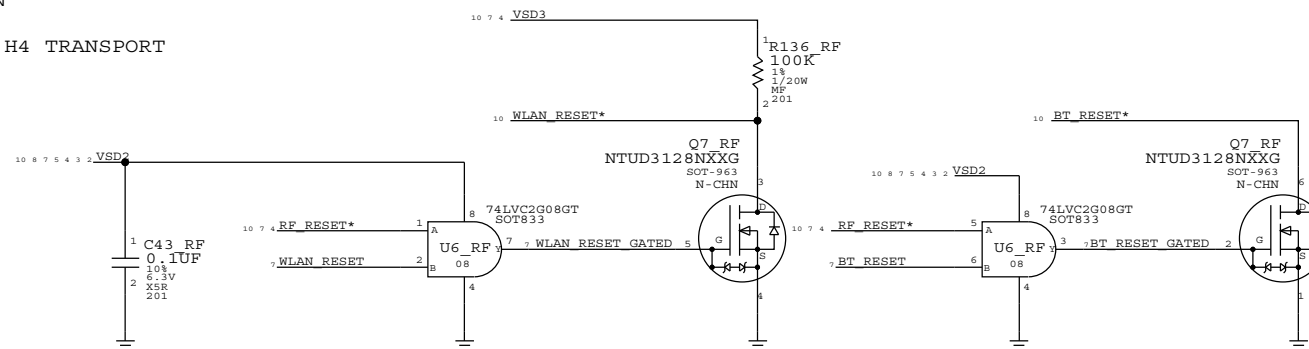
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NONE	9		11

WLAN RADIO



HOST TRANSPORT CONFIGURATION
MODULE CONFIGURED INTERNALLY FOR H4 TRANSPORT

TO ALLOW AP TO USE ACTIVE HIGH



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		SHT	OF
		10	11

	8	7	6	5	4	3	2	1					
D	GPS_VDD_PLL	GPS_VDD_PLL - @radio_proto_lib.RADIO_PROTO	8C6	SD1_FB	@radio_proto_lib.RADIO_PROTO	4B7	VAUX_SRC	VAUX_SRC - @radio_proto_lib.RADIO_PROTO	4C3	WLAN_GPIOS	@radio_proto_lib.RADIO_PROTO	10C4	
	GPS_VDD_RF	GPS_VDD_RF - @radio_proto_lib.RADIO_PROTO	8C6	SD1_OUT	@radio_proto_lib.RADIO_PROTO	4B7	VC1	@radio_proto_lib.RADIO_PROTO	6D5	WLAN_JTAG_EN_N	@radio_proto_lib.RADIO_PROTO	10C4	
	GPS_VDD_VCO	GPS_VDD_VCO - @radio_proto_lib.RADIO_PROTO	8C5	SD2_FB	@radio_proto_lib.RADIO_PROTO	4B6	VC2	@radio_proto_lib.RADIO_PROTO	6D5	WLAN_RESET	@radio_proto_lib.RADIO_PROTO	7C8 10A5	
	GSM850_RXN	GSM850_RXN - @radio_proto_lib.RADIO_PROTO	5C5 6D8	SD2_FBL	@radio_proto_lib.RADIO_PROTO	4B6	VC3	@radio_proto_lib.RADIO_PROTO	6D5	WLAN_RESET*	@radio_proto_lib.RADIO_PROTO	10A5 10C6	
	GSM850_RXN_UM	GSM850_RXN_UM - @radio_proto_lib.RADIO_PROTO	6D7	SD2_OUT	@radio_proto_lib.RADIO_PROTO	4B6	VC4	@radio_proto_lib.RADIO_PROTO	6D5	WLAN_RESET_GATED	@radio_proto_lib.RADIO_PROTO	7B2 10A5	
	GSM850_RXP	GSM850_RXP - @radio_proto_lib.RADIO_PROTO	5C5 6D8	SD3_FB	@radio_proto_lib.RADIO_PROTO	4B6	VCA	@radio_proto_lib.RADIO_PROTO	2C1 2D7	WLAN_SDIO_CLK	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	GSM850_RXP_UM	GSM850_RXP_UM - @radio_proto_lib.RADIO_PROTO	6D7	SD3_FBL	@radio_proto_lib.RADIO_PROTO	4B6	VCC_WLANPA	@radio_proto_lib.RADIO_PROTO	10B6	WLAN_SDIO_CMD	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	GSM_PA_VCC	GSM_PA_VCC - @radio_proto_lib.RADIO_PROTO	6D3	SD3_MODE	@radio_proto_lib.RADIO_PROTO	4C7	VCC_XO	@radio_proto_lib.RADIO_PROTO	5C8	WLAN_SDIO_DATA<0>	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	GSM_TXBURST_IND	GSM_TXBURST_IND - @radio_proto_lib.RADIO_PROTO	2C7 7A6	SD3_OUT	@radio_proto_lib.RADIO_PROTO	4B6	VCO_RC	@radio_proto_lib.RADIO_PROTO	5C5	WLAN_SDIO_DATA<1>	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	H1_UART4_RTS_N	H1_UART4_RTS_N - @radio_proto_lib.RADIO_PROTO	7B6 7B8 7C1	SDIO_CLK	@radio_proto_lib.RADIO_PROTO	10B4	VDDI1V5RF	@radio_proto_lib.RADIO_PROTO	5D2	WLAN_SDIO_DATA<2>	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	HB_TX	HB_TX - @radio_proto_lib.RADIO_PROTO	6C4	SDIO_CMD	@radio_proto_lib.RADIO_PROTO	10C4	VDDI2V8	@radio_proto_lib.RADIO_PROTO	5B2	WLAN_SDIO_DATA<3>	@radio_proto_lib.RADIO_PROTO	7C5 10C6	
	HI_BAND_PA_IN	HI_BAND_PA_IN - @radio_proto_lib.RADIO_PROTO	5C5 6C2	SIMCRD_CLK	@radio_proto_lib.RADIO_PROTO	2B7 7A4 7C5	VDDMIX2V8	@radio_proto_lib.RADIO_PROTO	5C2	WLAN_TCK	@radio_proto_lib.RADIO_PROTO	7B1 10C6	
	HI_BAND_PA_OUT	HI_BAND_PA_OUT - @radio_proto_lib.RADIO_PROTO	6C3	SIMCRD_IO	@radio_proto_lib.RADIO_PROTO	2B7 7A3 7B5	VDDR2V8	@radio_proto_lib.RADIO_PROTO	5C3	WLAN_TDI_UART_SIN	@radio_proto_lib.RADIO_PROTO	7B2 10C6	
	HI_BAND_TX	HI_BAND_TX - @radio_proto_lib.RADIO_PROTO	6C5	SIMCRD_RST	@radio_proto_lib.RADIO_PROTO	2B7 7A4 7B5	VDDSD1_IN	@radio_proto_lib.RADIO_PROTO	4D5	WLAN_TDO	@radio_proto_lib.RADIO_PROTO	7B1 10C6	
	HOST_WAKE_WLAN	HOST_WAKE_WLAN - @radio_proto_lib.RADIO_PROTO	2A4 2D5 10C3	SIM_DETECT	@radio_proto_lib.RADIO_PROTO	2C8 7A3 7B5	VDDSD2_IN	@radio_proto_lib.RADIO_PROTO	4D5	WLAN_TMS	@radio_proto_lib.RADIO_PROTO	7B1 10C6	
	IPC_MISO	IPC_MISO - @radio_proto_lib.RADIO_PROTO	2A5 7C5	SPI_CLK	@radio_proto_lib.RADIO_PROTO	10C6	VDDSD3_IN	@radio_proto_lib.RADIO_PROTO	4D5	WLAN_TMS2	@radio_proto_lib.RADIO_PROTO	10C6	
	IPC_MOSI	IPC_MOSI - @radio_proto_lib.RADIO_PROTO	2A5 2C5 7C5	SPI_CS*	@radio_proto_lib.RADIO_PROTO	10B6	VDDTX2V8	@radio_proto_lib.RADIO_PROTO	5C3	WLAN_TRST_N	@radio_proto_lib.RADIO_PROTO	7B1 10C6	
	IPC_MRDI	IPC_MRDI - @radio_proto_lib.RADIO_PROTO	2A5 7B5	SPI_MISO	@radio_proto_lib.RADIO_PROTO	10C6	VDD_BT_2V85	@radio_proto_lib.RADIO_PROTO	4B1 7A7 10B6	WLAN_UART_SOUT	@radio_proto_lib.RADIO_PROTO	7B2 10C3	
	IPC_SCLK	IPC_SCLK - @radio_proto_lib.RADIO_PROTO	2A5 2C5 7C5	SPI_MOSI	@radio_proto_lib.RADIO_PROTO	10B6	VDD_DCDC_IN	@radio_proto_lib.RADIO_PROTO	4D4				
	IPC_SRDI	IPC_SRDI - @radio_proto_lib.RADIO_PROTO	2B5 7B5	SPI_CS*	@radio_proto_lib.RADIO_PROTO	10B6	VDD_E_FUSE	@radio_proto_lib.RADIO_PROTO	2B3				
	ISENSE_IN1	ISENSE_IN1 - @radio_proto_lib.RADIO_PROTO	4B3 4D7	TXBAND1_PA_DETECT	@radio_proto_lib.RADIO_PROTO	6B3	VDD_FUSE	@radio_proto_lib.RADIO_PROTO	3B7				
	ISENSE_IN2	ISENSE_IN2 - @radio_proto_lib.RADIO_PROTO	4B3 4D6	TXBAND2_PA_DETECT	@radio_proto_lib.RADIO_PROTO	6B7	VDD_PMU_LDO_IN	@radio_proto_lib.RADIO_PROTO	4D5				
	IX_PM	IX_PM - @radio_proto_lib.RADIO_PROTO	2D7 5C7	TXBAND5_PA_DETECT	@radio_proto_lib.RADIO_PROTO	6B5	VDD_RTC	@radio_proto_lib.RADIO_PROTO	3B7				
C	I_PM	I_PM - @radio_proto_lib.RADIO_PROTO	2D7 5C7	TXGQ_3G	@radio_proto_lib.RADIO_PROTO	2C3 5C7	VDD_WLAN_1V8A	@radio_proto_lib.RADIO_PROTO	10C7				
	LB_TX	LB_TX - @radio_proto_lib.RADIO_PROTO	6C4	TXIX_3G	@radio_proto_lib.RADIO_PROTO	2C3 5D7	VDD_WLAN_1V8A_MODULE	@radio_proto_lib.RADIO_PROTO	10C6				
	LOAD	LOAD - @radio_proto_lib.RADIO_PROTO	2D7 4A2	TXI_3G	@radio_proto_lib.RADIO_PROTO	2C3 5D7	VDD_WLAN_3V1	@radio_proto_lib.RADIO_PROTO	4C1 10D6				
	LOCDET	LOCDET - @radio_proto_lib.RADIO_PROTO	2C1 5C7	TXON_PA	@radio_proto_lib.RADIO_PROTO	2C7 6C2 8B8	VIO	@radio_proto_lib.RADIO_PROTO	2B3 3B7 3C8 4B1 4C7 7A7 7B4 4B3				
	LO_BAND_PA_IN	LO_BAND_PA_IN - @radio_proto_lib.RADIO_PROTO	5C5 6C2	TXQX_3G	@radio_proto_lib.RADIO_PROTO	2C3 5C7	VIO_SRC	@radio_proto_lib.RADIO_PROTO	10C5				
	LO_BAND_PA_OUT	LO_BAND_PA_OUT - @radio_proto_lib.RADIO_PROTO	6C3	TXQ_3G	@radio_proto_lib.RADIO_PROTO	2C3 5C7	VIO_WLAN	@radio_proto_lib.RADIO_PROTO	2C1 6B8				
	LO_BAND_TX	LO_BAND_TX - @radio_proto_lib.RADIO_PROTO	6C5	TX_BAND1_PA_IN	@radio_proto_lib.RADIO_PROTO	6A3	VMODE	@radio_proto_lib.RADIO_PROTO	6B6				
	MASTERTON_3G	MASTERTON_3G - @radio_proto_lib.RADIO_PROTO	2C1 5C7	TX_BAND1_PA_IN_2	@radio_proto_lib.RADIO_PROTO	6B3	VMODE_DIV	@radio_proto_lib.RADIO_PROTO	3B8 4B1 7A7 4B3				
	MIC2_N	MIC2_N - @radio_proto_lib.RADIO_PROTO	2C4	TX_BAND2_PA_IN	@radio_proto_lib.RADIO_PROTO	6A7	VPLL	@radio_proto_lib.RADIO_PROTO	6C2				
	MIC2_P	MIC2_P - @radio_proto_lib.RADIO_PROTO	2B4	TX_BAND2_PA_IN2	@radio_proto_lib.RADIO_PROTO	6A8	VPLL_SIG	@radio_proto_lib.RADIO_PROTO	4C4				
	NTC	NTC - @radio_proto_lib.RADIO_PROTO	4A4 7C8	TX_BAND5_PA_IN	@radio_proto_lib.RADIO_PROTO	6A5	VRAMP	@radio_proto_lib.RADIO_PROTO	4C4				
	NTC_CONN	NTC_CONN - @radio_proto_lib.RADIO_PROTO	4A3 4D8 4D8	TX_BAND5_PA_IN2	@radio_proto_lib.RADIO_PROTO	6A6	VRF1V5	@radio_proto_lib.RADIO_PROTO	4B1 5D4 7A7				
	ONKEY*	ONKEY* - @radio_proto_lib.RADIO_PROTO	7C2 7C8	TX_BIAS_BAND1	@radio_proto_lib.RADIO_PROTO	6A3	VRF1_2V8	@radio_proto_lib.RADIO_PROTO	2D8 4C1 5B5 5C4 5C7 5C8				
	ONOFF1*	ONOFF1* - @radio_proto_lib.RADIO_PROTO	4C5	TX_BIAS_BAND2	@radio_proto_lib.RADIO_PROTO	6A6	VRF1_2V8_FIL	@radio_proto_lib.RADIO_PROTO	6A4 6A7 6D2 6D4 7A7 6D5				
	OSC32K	OSC32K - @radio_proto_lib.RADIO_PROTO	3A5	TX_BIAS_BAND5	@radio_proto_lib.RADIO_PROTO	6A4	VRF1_SRC	@radio_proto_lib.RADIO_PROTO	4B3				
	OSC32K_GND	OSC32K_GND - @radio_proto_lib.RADIO_PROTO	3A4	TX_HBX_3G	@radio_proto_lib.RADIO_PROTO	5D5 6A4	VRF2_SRC	@radio_proto_lib.RADIO_PROTO	4B3				
	F1_CRE	F1_CRE - @radio_proto_lib.RADIO_PROTO	3A5 3B1 9B4	TX_HB_3G	@radio_proto_lib.RADIO_PROTO	5D5 6A4	VRF3	@radio_proto_lib.RADIO_PROTO	4B1 8C3 8C5				
	PALEVEL	PALEVEL - @radio_proto_lib.RADIO_PROTO	2D7 6C1	TX_LBX_3G	@radio_proto_lib.RADIO_PROTO	5D5 6A6	VRF3_GFS_LNA	@radio_proto_lib.RADIO_PROTO	8B3				
	PA_GAIN_FET	PA_GAIN_FET - @radio_proto_lib.RADIO_PROTO	4D1	TX_LB_3G	@radio_proto_lib.RADIO_PROTO	5D5 6A6	VRF3_SRC	@radio_proto_lib.RADIO_PROTO	4B3				
	PA_LO_GAIN	PA_LO_GAIN - @radio_proto_lib.RADIO_PROTO	2C1 4D2 4D4	TX_MB_3G	@radio_proto_lib.RADIO_PROTO	5C5 6A8	VRTC	@radio_proto_lib.RADIO_PROTO	3B8 4B6 7B7				
	PA_MODE	PA_MODE - @radio_proto_lib.RADIO_PROTO	2C7 6C2	U1_EN1	@radio_proto_lib.RADIO_PROTO	4C3 4D3	VSD1	@radio_proto_lib.RADIO_PROTO	2B3 3D8 4B8 7B7				
	PCS_RXN	PCS_RXN - @radio_proto_lib.RADIO_PROTO	5C5 6C8	U1_HP	@radio_proto_lib.RADIO_PROTO	4D3	VSD1_GND	@radio_proto_lib.RADIO_PROTO	4B7				
	PCS_RXN_UM	PCS_RXN_UM - @radio_proto_lib.RADIO_PROTO	6C7	U1_PA_EN	@radio_proto_lib.RADIO_PROTO	4D3	VSD2	@radio_proto_lib.RADIO_PROTO	2A3 2A4 2A8 2C8 2D4 3C8 3C8 3D4 4B8 4C4 4C8 5B1 5C5 7B4 7B7 7C8 8D4 10A3 10A6				
	PCS_RXP	PCS_RXP - @radio_proto_lib.RADIO_PROTO	5C5 6C8	U1_REFIN	@radio_proto_lib.RADIO_PROTO	4C3 4D1	VSD2_RF	@radio_proto_lib.RADIO_PROTO	5B2 5D4				
	PCS_RXP_UM	PCS_RXP_UM - @radio_proto_lib.RADIO_PROTO	6C7	UMTS_RSTN	@radio_proto_lib.RADIO_PROTO	2D3 2D5	VSD2_RF_CTRL	@radio_proto_lib.RADIO_PROTO	5B1				
	PM_INT	PM_INT - @radio_proto_lib.RADIO_PROTO	2A5 4C7	UMTS_RTCK	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VSD3	@radio_proto_lib.RADIO_PROTO	4A8 7B7 10A5 10C6 10D8				
	PM_SCL1	PM_SCL1 - @radio_proto_lib.RADIO_PROTO	2B5 4C7	UMTS_RXD	@radio_proto_lib.RADIO_PROTO	2A5 2C5 7C5 7C8	VSD3_WAKEUP	@radio_proto_lib.RADIO_PROTO	2D9 4C8				
	PM_SDA1	PM_SDA1 - @radio_proto_lib.RADIO_PROTO	2A5 4C7	UMTS_TDI	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VSIM	@radio_proto_lib.RADIO_PROTO	2C8 3B8 4B3 7A4 7C5				
	PM_VCXOEN	PM_VCXOEN - @radio_proto_lib.RADIO_PROTO	3A5 3B3 3B5 4C7 5A2	UMTS_TDO	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VTXCO	@radio_proto_lib.RADIO_PROTO	8D3				
	QX_PM	QX_PM - @radio_proto_lib.RADIO_PROTO	2D7 5C7	UMTS_TMS	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VTUNE	@radio_proto_lib.RADIO_PROTO	5B3 5B8				
	Q_PM	Q_PM - @radio_proto_lib.RADIO_PROTO	2D7 5C7	UMTS_TMS2	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VUMTS_SIG	@radio_proto_lib.RADIO_PROTO	4B3				
	RADIO_ON	RADIO_ON - @radio_proto_lib.RADIO_PROTO	4C7 7C2 7C5	UMTS_TRST_N	@radio_proto_lib.RADIO_PROTO	2B3 7C4	VUSB_SRC	@radio_proto_lib.RADIO_PROTO	4B3				
	RESET_DET*	RESET_DET* - @radio_proto_lib.RADIO_PROTO	2B7 7C5	UMTS_TXD	@radio_proto_lib.RADIO_PROTO	2A5 7C4 7C8	V_FLASH	@radio_proto_lib.RADIO_PROTO	3C4 3D3 3D4 9C5 9D5				
	RESET_N	RESET_N - @radio_proto_lib.RADIO_PROTO	3A5 3B4 4C7	VAFPC_2V65	@radio_proto_lib.RADIO_PROTO	4C1 7A7 8D2	V_PSRAM	@radio_proto_lib.RADIO_PROTO	3D3 9C5				
	RF_RESET*	RF_RESET* - @radio_proto_lib.RADIO_PROTO	4C8 7C2 7C8 10A4 10A5	VAFPC_SRC	@radio_proto_lib.RADIO_PROTO	4C3	WDOG	@radio_proto_lib.RADIO_PROTO	2C7 4C7 7A6				
	RF_TEMP	RF_TEMP - @radio_proto_lib.RADIO_PROTO	2D7 5A8	VAUDIOA	@radio_proto_lib.RADIO_PROTO	3B8 4C1	WLAN_1V8_EN	@radio_proto_lib.RADIO_PROTO	2D4 10C8				
	RREF	RREF - @radio_proto_lib.RADIO_PROTO	4C4	VAUDIOA_SRC	@radio_proto_lib.RADIO_PROTO	4C3	WLAN_1V8_EN_GPIO	@radio_proto_lib.RADIO_PROTO	2D5				
	RXIX_3G	RXIX_3G - @radio_proto_lib.RADIO_PROTO	2C3 5D7	VAUDIOB	@radio_proto_lib.RADIO_PROTO	2B3 3A8 4C1	WLAN_32K_CLK	@radio_proto_lib.RADIO_PROTO	2C8 10C6				
	RXI_3G	RXI_3G - @radio_proto_lib.RADIO_PROTO	2C3 5D7	VAUDIOB_SRC	@radio_proto_lib.RADIO_PROTO	4C3	WLAN_ACTIVE	@radio_proto_lib.RADIO_PROTO	10B4				
	RXQX_3G	RXQX_3G - @radio_proto_lib.RADIO_PROTO	2C3 5D7	VAUX	@radio_proto_lib.RADIO_PROTO	4C1 5D4 7A7	WLAN_BOOTCFG0	@radio_proto_lib.RADIO_PROTO	7B2 10C3				
	RXQ_3G	RXQ_3G - @radio_proto_lib.RADIO_PROTO	2C3 5D7				WLAN_BOOTCFG1	@radio_proto_lib.RADIO_PROTO	7B2 10C3				
	RX_HOLD	RX_HOLD - @radio_proto_lib.RADIO_PROTO	8B7				WLAN_CLK_REQ	@radio_proto_lib.RADIO_PROTO	4C8 10C4				
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radio_proto[4A3]			FL6 FILTER_2P_0201 radio_proto[4D5]			FL7 FILTER_2P_0201-1 radio_proto[4A3]			FL8 FILTER_2P_0201 radio_proto[4D5]			FL10 FILTER_2P_0201 radio_proto[6D4]			FL11 FILTER_LFB2H_2_5X2X1 radio_proto[10C3]			-SM			FL12 FILTER_SAFEBIG57KB_L LP radio_proto[8B1]			LP			FL14 FILTER_SAFEBIG57FM_L LP radio_proto[8B4]			LP			G2 OSC_6P_FN25VD SM radio_proto[5B8]			G3 OSC_4PIN_NCGND_2_5X2 radio_proto[8D3]			-SM			J1 CON_F2ST_COAX_4MT_SM _F-ST-SM radio_proto[8C2]			J2 CON_M80ST_D_SMA_M-ST _SM radio_proto[7C3]			J3 CON_F2ST_COAX_S2MT_S M_F-ST-SM radio_proto[8C1]			J5 CON_F2ST_COAX_4MT_SM _F-ST-SM radio_proto[6D3]			J7 BATTERY_4P2_SM-NSP radio_proto[4D8]			L1 IND_0201 radio_proto[6D7]			L2 IND_0201 radio_proto[6C7]			L3 IND_0603-HF radio_proto[6D3]			L4 IND_VLS3012-SM-HF radio_proto[4D2]			L5 IND_0201 radio_proto[6A8]			L6 IND_0201 radio_proto[6D7]			L7 IND_0201 radio_proto[6D7]			L8 IND_0201 radio_proto[5D3]			L9 IND_0201 radio_proto[6C4]			L10 IND_0201 radio_proto[6B1]			L12 IND_0201 radio_proto[6A4]			L13 IND_0201 radio_proto[6C7]			L17 IND_0201 radio_proto[6C7]			L18 IND_0201 radio_proto[6C7]			L19 IND_0201 radio_proto[6C7]			L20 IND_0201 radio_proto[5A3]			L21 IND_0201 radio_proto[5A3]			L22 IND_0201 radio_proto[5B3]			L23 IND_0201 radio_proto[5A3]			L24 IND_0201 radio_proto[5B3]			L25 FIL_LFD18105YDPCC092 _LLP-0603 radio_proto[8C3]			L26 IND_0201 radio_proto[5B3]			L27 IND_0201 radio_proto[6A5]			L28 IND_0201 radio_proto[6A5]			L29 IND_0201 radio_proto[6A7]			L30 IND_0201 radio_proto[6A7]			L34 IND_VLF3012ST-HF radio_proto[4B7]			L35 IND_0201 radio_proto[5A6]			L36 IND_0201 radio_proto[5A5]			L38 IND_0201 radio_proto[5A6]			L39 IND_0201 radio_proto[5A6]			L40 IND_0201 radio_proto[5C4]			L41 IND_SM radio_proto[5B2]			L42 IND_0201 radio_proto[6A3]			L43 IND_0201 radio_proto[6A3]			L45 IND_0201 radio_proto[6C4]			L46 IND_0201 radio_proto[5A5]			L47 IND_0201 radio_proto[5A6]			L48 IND_0201 radio_proto[6A4]			L49 IND_0201 radio_proto[6A3]			L50 IND_4P_2COIL_VLWP631 2T-100MH40-SM-HF radio_proto[4A7]			L52 IND_0201 radio_proto[8B5]			L54 IND_0201 radio_proto[8B2]			L60 IND_0201 radio_proto[8A2]			L61 FIL_LDB18_A_0603 radio_proto[6A5]			L62 FIL_LDB18_A_0603 radio_proto[6A2]			L64 FIL_LDB18_A_0603 radio_proto[6A7]			L65 IND_0201 radio_proto[6C4]			L69 IND_0201 radio_proto[5A3]			L70 IND_0201 radio_proto[5A3]			L71 IND_0201 radio_proto[5B3]			L72 IND_0201 radio_proto[5A2]			L73 IND_0201 radio_proto[5B2]			L74 IND_0201 radio_proto[5A2]			L76 IND_0201 radio_proto[6B8]			L77 IND_0201 radio_proto[6B8]			L78 IND_0201 radio_proto[6C8]			L79 IND_0201 radio_proto[6C8]			L80 IND_0201 radio_proto[6D7]			L81 IND_0201 radio_proto[6D7]			L82 IND_0201 radio_proto[6C7]			L83 IND_0201 radio_proto[6C7]			L84 IND_0201 radio_proto[6A6]			Q1 TRA_MOSFET_NCHN_3P_S OT883L radio_proto[4D1]			Q3 TRA_PCH_FDZ191P_WL-C SP radio_proto[5B1]			Q4 TRA_DUAL_MOSFET_NCHN 3_SOT-963 radio_proto[5B1]			Q7 TRA_DUAL_MOSFET_NCHN 3_SOT-963 radio_proto[10A4 10A3]			Q8 TRA_MOSFET_NCHN_3P_S OT883L radio_proto[2B8]			R1 RES_201 radio_proto[8B8]			R2 RES_201 radio_proto[2D4]			R3 RES_201 radio_proto[3A5]			R4 RES_201 radio_proto[3B5]			R5 RES_201 radio_proto[3B5]			R6 RES_201 radio_proto[2A7]			R7 RES_201 radio_proto[4D4]			R8 RES_201 radio_proto[4D8]			R9 RES_201 radio_proto[2C8]			R10 RES_201 radio_proto[8B7]			R11 RES_201 radio_proto[3B4]			R12 RES_201 radio_proto[8B7]			R13 RES_201 radio_proto[8B3]			R14 RES_201 radio_proto[4D4]			R15 RES_201 radio_proto[8A8]			R16 RES_201 radio_proto[8A8]			R17 RES_201 radio_proto[8A7]			R18 RES_201 radio_proto[2C7]			R19 RES_201 radio_proto[3A6]			R20 RES_201 radio_proto[4D4]			R21 RES_201 radio_proto[2C7]			R22 RES_201 radio_proto[4D3]			R23 RES_201 radio_proto[4D3]			R24 RES_201 radio_proto[4D1]			R25 RES_201 radio_proto[4D1]			R26 RES_201 radio_proto[8A7]			R27 RES_201 radio_proto[4D4]			R28 RES_201 radio_proto[2A3]			R29 RES_201 radio_proto[8D2]			R30 THERMISTOR_0201 radio_proto[2D4]			R32 RES_402 radio_proto[4D7]			R33 RES_201 radio_proto[3B8]			R34 RES_201 radio_proto[3B4]			R35 RES_201 radio_proto[3B3]			R36 RES_201 radio_proto[4C5]			R37 RES_201 radio_proto[2A8]			R39 RES_201 radio_proto[5B5]			R40 RES_201 radio_proto[5B2]			R41 RES_201 radio_proto[2A8]			R43 RES_201 radio_proto[2A8]			R44 RES_201 radio_proto[4D1]			R45 RES_201 radio_proto[5A4]			R46 RES_201 radio_proto[2C4]			R47 RES_201 radio_proto[2C4]			R48 RES_201 radio_proto[2A8]			R49 RES_201 radio_proto[2C4]			R50 RES_201 radio_proto[2A8]			R51 RES_201 radio_proto[2A3]			R52 RES_201 radio_proto[5A8]			R53 RES_201 radio_proto[4A3]			R54 RES_201 radio_proto[4C8]			R55 RES_201 radio_proto[4D2]			R56 RES_201 radio_proto[2C4]			R57 RES_201 radio_proto[2C4]			R58 RES_201 radio_proto[8B5]			R59 RES_201 radio_proto[8B5]			R60 RES_201 radio_proto[4C8]			R61 RES_201 radio_proto[2A7]			R62 RES_201 radio_proto[10D8]			R63 RES_201 radio_proto[2D5]			R64 RES_201 radio_proto[5B4]			R65 RES_201 radio_proto[2D4]			R70 RES_201 radio_proto[6C1]			R71 RES_201 radio_proto[5B4]			R73 RES_201 radio_proto[5C8]			R75 RES_201 radio_proto[10C7]			R77 RES_201 radio_proto[5B5]			R78 RES_201 radio_proto[7C4]			R79 RES_201 radio_proto[7C4]			R83 RES_201 radio_proto[5C4]			R85 RES_201 radio_proto[5C3]			R88 RES_201 radio_proto[5C2]			R89 RES_201 radio_proto[2D7]			R92 RES_201 radio_proto[2D7]			R94 RES_201 radio_proto[3B7]			R96 RES_402 radio_proto[2D7]			R97 RES_201 radio_proto[2D3]			R99 RES_201 radio_proto[2B3]			R101 RES_201 radio_proto[10C3]			R104 RES_201 radio_proto[6D5]			R105 RES_201 radio_proto[6D6]			R106 RES_201 radio_proto[6D6]			R107 RES_201 radio_proto[6D6]			R109 RES_201 radio_proto[6B6]			R111 RES_201 radio_proto[10C3]			R114 RES_201 radio_proto[6B7]			R116 RES_201 radio_proto[6B4]			R118 RES_201 radio_proto[2C3]			R119 RES_201 radio_proto[2C3]			R120 RES_201 radio_proto[4C7]			R121 RES_201 radio_proto[4C7]			R122 RES_201 radio_proto[4C3]			R124 RES_201 radio_proto[8B8]			R125 RES_201 radio_proto[8B8]			R126 RES_201 radio_proto[6B8]			R136 RES_201 radio_proto[10A4]			R153 RES_201 radio_proto[6B7]			R154 RES_201 radio_proto[6B6]			R155 RES_201 radio_proto[6C4]			R240 THERMISTOR_0201 radio_proto[5A8]			SP1 SPRING_CLIP_2P_SM radio_proto[6D3]			SP2 SMT_PAD_SM-NSP radio_proto[6D2]			SP4 SPRING_CLIP_1P_RMI_A LH-802A radio_proto[6D1]			TP1 TP_TP-P6 radio_proto[7C1]			TP2 TP_TP-P6 radio_proto[7B8]			TP3 TP_TP-P6 radio_proto[7B8]			TP4 TP_TP-P6 radio_proto[7B8]			TP5 TP_TP-P6 radio_proto[7B8]			TP6 TP_TP-1P0-TOP radio_proto[7C3]			TP7 TP_TP-1P0-TOP radio_proto[7B3]			TP8 TP_TP-1P0-TOP radio_proto[7B3]			TP9 TP_TP-P6 radio_proto[7C1]			TP10 TP_TP-P6 radio_proto[7B1]			TP11 TP_TP-P6 radio_proto[7A7]			TP12 TP_TP-P6 radio_proto[7A8]			TP13 TP_TP-P6 radio_proto[7A8]			TP14 TP_TP-P6 radio_proto[7B7]			TP15 TP_TP-P6 radio_proto[7B7]			TP16 TP_TP-1P0-TOP radio_proto[7C3]			TP17 TP_TP-P6 radio_proto[7A7]			TP18 TP_TP-P6 radio_proto[7A7]			TP22 TP_TP-P6 radio_proto[6B8]			TP23 TP_TP-P6 radio_proto[7A8]			TP24 TP_TP-P6 radio_proto[7A8]			TP25 TP_TP-P6 radio_proto[7A8]			TP26 TP_TP-P6 radio_proto[7A8]			TP27 TP_TP-P6 radio_proto[7A8]			TP28 TP_TP-P6 radio_proto[7B7]			TP29 TP_TP-P6 radio_proto[7B7]			TP30 TP_TP-P6 radio_proto[10C6]			TP31 TP_TP-P6 radio_proto[10B6]			TP32 TP_TP-P6 radio_proto[10C6]			TP33 TP_TP-P6 radio_proto[7A7]			TP34 TP_TP-P6 radio_proto[7A7]			TP35 TP_TP-P6 radio_proto[10B6]			TP36 TP_TP-P6 radio_proto[10C3]			TP37 TP_TP-P6 radio_proto[10B3]			TP38 TP_TP-P6 radio_proto[7A7]			TP39 TP_TP-P6 radio_proto[5C7]			TP40 TP_TP-P6 radio_proto[2C1]			TP41 TP_TP-1P0-TOP radio_proto[4D8]			TP42 TP_TP-1P0-TOP radio_proto[4D8]			TP43 TP_TP-1P0-TOP radio_proto[4D8]			TP44 TP_TP-1P0-TOP radio_proto[4D8]			TP48 TP_TP-P6 radio_proto[7B1]			TP49 TP_TP-P6 radio_proto[7C1]			TP50 TP_TP-P6 radio_proto[7B1]			TP51 TP_TP-P6 radio_proto[7C1]			TP52 TP_TP-P6 radio_proto[7C1]			TP54 TP_TP-P6 radio_proto[10C6]			TP56 TP_TP-P6 radio_proto[7A4]			TP57 TP_TP-P6 radio_proto[10C7]			TP58 TP_TP-P6 radio_proto[10C3]			TP59 TP_TP-P6 radio_proto[7A4]			TP60 TP_TP-P6 radio_proto[7A4]			TP61 TP_TP-P6 radio_proto[10B3]			TP62 TP_TP-P6 radio_proto[10B3]			TP63 TP_TP-P6 radio_proto[10B3]			TP64 TP_TP-P6 radio_proto[7A3]			TP65 TP_TP-P6 radio_proto[7A3]			TP68 TP_TP-P6 radio_proto[10B3]			TP69 TP_TP-P6 radio_proto[10B3]			TP70 TP_TP-P6 radio_proto[10B3]			TP71 TP_TP-P6 radio_proto[7B1]			TP74 TP_TP-P6 radio_proto[7C1]			TP78 TP_TP-P6 radio_proto[10C7]			TP79 TP_TP-P6 radio_proto[10C7]			TP80 TP_TP-P6 radio_proto[10C7]			TP81 TP_TP-P6 radio_proto[10C6]			TP82 TP_TP-P6 radio_proto[10C6]			TP83 TP_TP-P6 radio_proto[10C6]			TP84 TP_TP-P6 radio_proto[5A8]			TP85 TP_TP-P6 radio_proto[7B1]			TP86 TP_TP-P6 radio_proto[7B1]			TP87 TP_TP-P6 radio_proto[7B1]			U1 MAX8836_WLP radio_proto[4D3]			U2 FLASH_2MBX4_BG888_1 BGA-HF radio_proto[9C5]			U3 74LVC1G08GF_SOT891 radio_proto[4C8]			U4 LMSF4LMA_QFN radio_proto[6C5]			U5 AMP_TQM616035_LGA radio_proto[6B5]			U6 74LVC2G08_SOT833 radio_proto[10A5 10A3]			U7 74LVC1G79_SOT891 radio_proto[5C4]		

