

EVT3B BRD REV10

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

PAGE	CONTENTS
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
33580517	1	8GB TOSHIBA 56NM FLASH TSOP48	U29_AP	Y	FLASH_8GB
33580514	1	16GB SAMSUNG 51NM FLASH DSP/WMLP	U29_AP	Y	FLASH_16GB

NAND ALTERNATES

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
33580575	33580517	FLASH_8GB	U29_AP	8GB SAMSUNG 63NM FLASH TSOP48
33580548	33580517	FLASH_8GB	U29_AP	8GB MICRON 50NM FLASH TSOP48
33580545	33580517	FLASH_8GB	U29_AP	8GB INTEL 50NM FLASH TSOP48
33580573	33580514	FLASH_16GB	U29_AP	16GB TOSHIBA 56NM FLASH BGA

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:0XL	Y	MURATA
825-2029	1	EEE FOR 607-2682 (ALPS)	EEE:0XM	Y	ALPS

SERIAL FLASH BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
33580552	1	SST 8MBIT 3V SERIAL FLASH	U11_AP	Y	SFLASH_3V
33580555	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:
35381625	35381650	?	U30_AP	VIDEO AMP

ACC SWITCH ALTERNATE

PART NUMBER	ALTERNATE FOR PART NUMBER	BOM OPTION	REF DES	COMMENTS:
35381769	35381751	?	S1_AP	ACC SWITCH

BB MEMORY BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
33580486	1	BLANK BASEBAND MEMORY	U13_RF	Y	BB_MEM_BLANK
34182247	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
35381988	1	3GPA DC/DC CUSTOM MAX8836	U1_RF	Y	MAX_8836
35381981	1	3GPA DC/DC STAND MAX8805	U1_RF	Y	MAX_8805

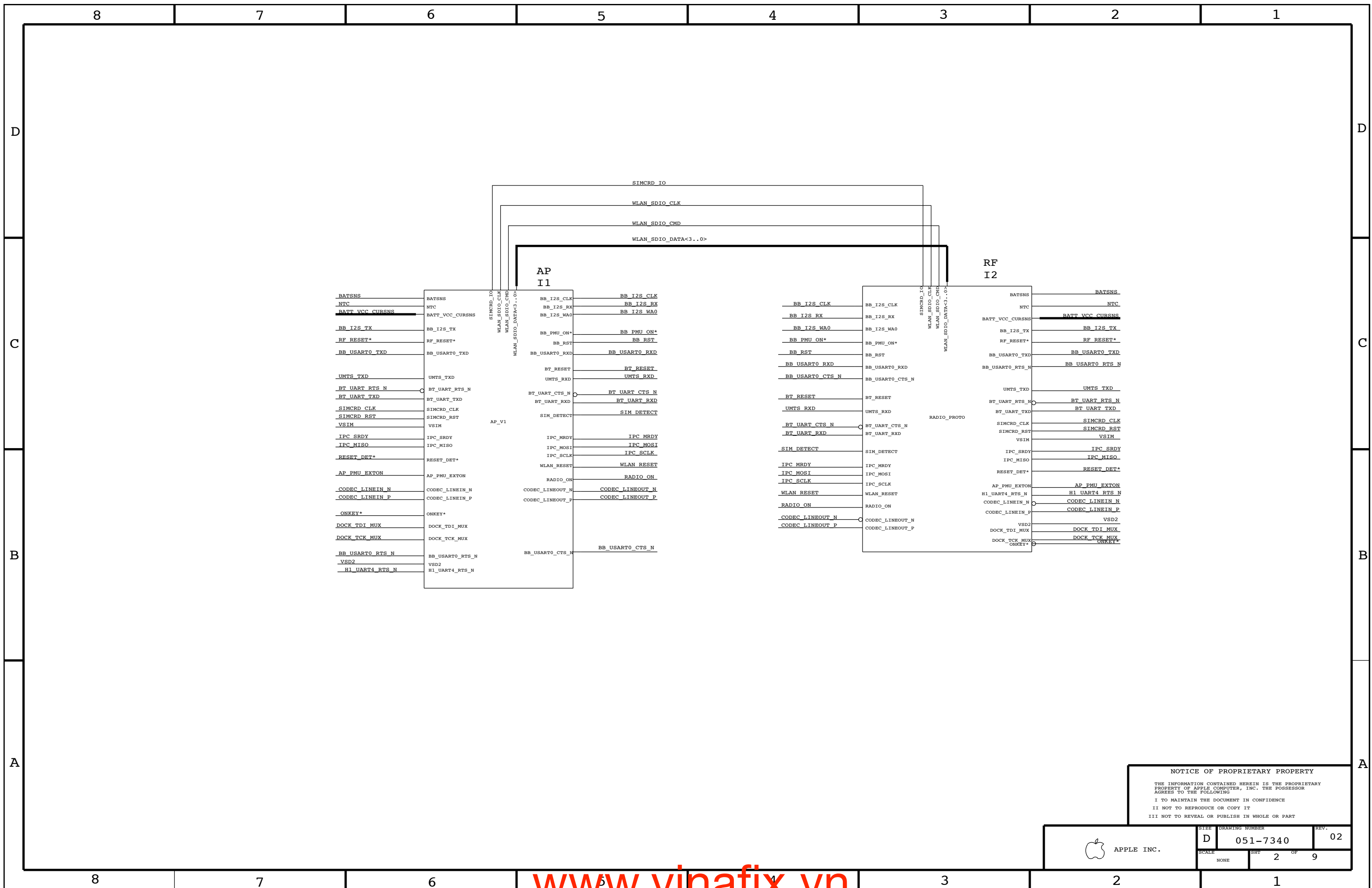
BT/WIFI BOM OPTIONS

PART#	QTY	DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL	BOM OPTION
33980040	1	MURATA BT/WIFI MODULE	U10_RF	Y	MURATA
33980039	1	ALPS BT/WIFI MODULE	U10_RF	Y	ALPS
11880012	1	RESISTER ID FOR MURATA	R61_RF	Y	MURATA
11880012	1	RESISTER ID FOR ALPS	R6_RF	Y	ALPS

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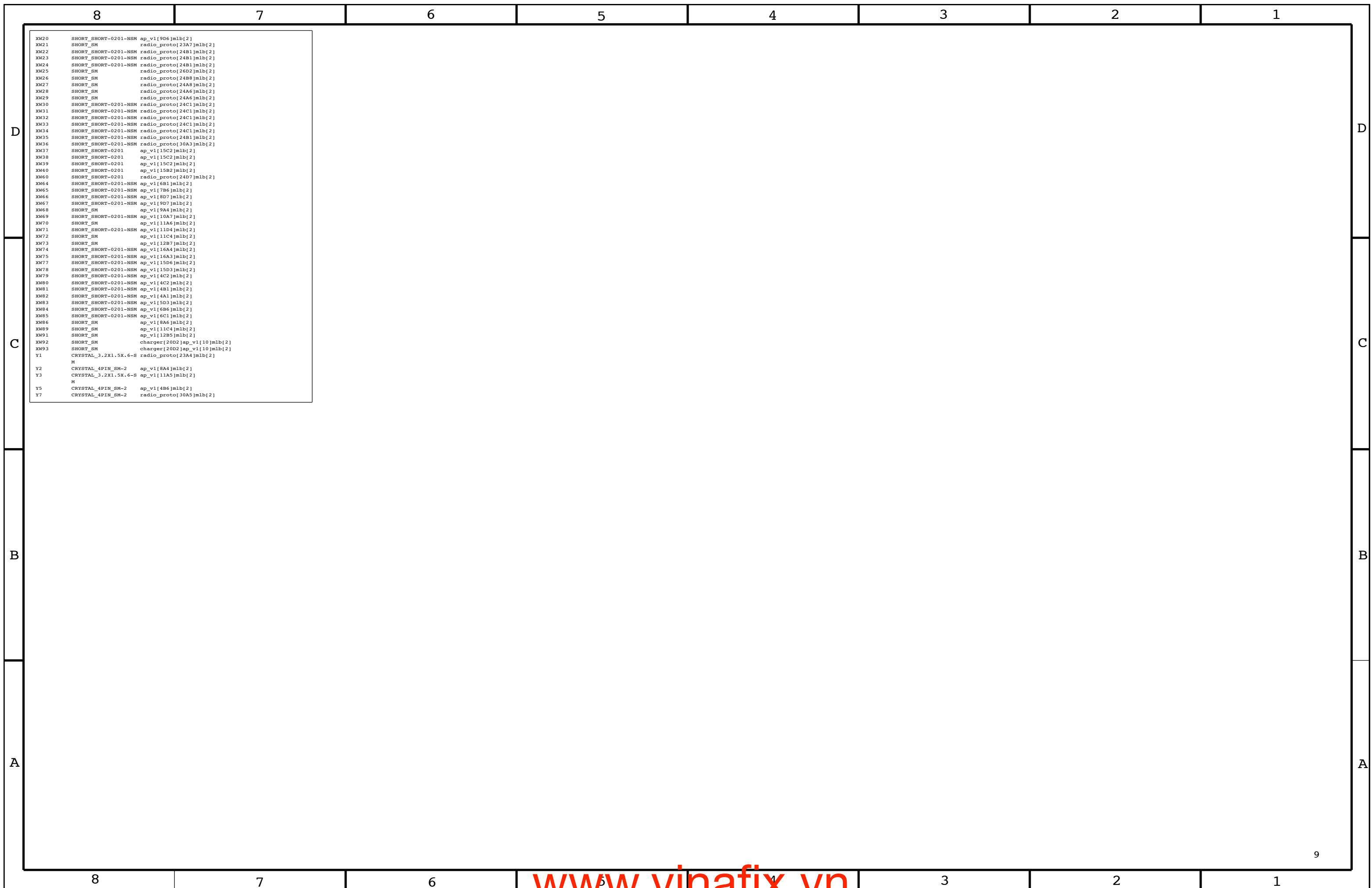
APPLE INC.	SIZE	DRAWING NUMBER	REV.
	D	051-7340	02
SCALE	SHEET 1 OF 9		
NONE			



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	DRAWING NUMBER		REV.
	D	051-7340	02
SCALE		SHEET	
NONE		2 OF 9	

	8	7	6	5	4	3	2	1
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		
	VCO_RC	@single_brd_lib.RADIO_PROT VCO_RC -	25B5	WLAN_BT_RX_EN	WLAN_BT_RX_EN -	30A4 30D1		
	VDD1V5RF	@single_brd_lib.RADIO_PROT VDD1V5RF -	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_RF_IN	WLAN_PA_RF_IN -	30C4		
	VDDMIK2V8	@single_brd_lib.RADIO_PROT VDDMIK2V8 -	25C2	WLAN_RESET	WLAN_RESET -	22A7 27C8 30A8		
	VDDRK2V8	@single_brd_lib.RADIO_PROT VDDRK2V8 -	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_BTDRG	@single_brd_lib.RADIO_PROT VDD_BTDRG -	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 -	30B8			
VDD_WLAN_1V2	@single_brd_lib.RADIO_PROT VDD_WLAN_1V2 -	30C6	WLAN_TMS2	WLAN_TMS2 -	27B1 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						
VTCKO	@single_brd_lib.RADIO_PROT VTCKO - @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						
	@single_brd_lib.RADIO_PROT							



XW20	SHORT_SHORT-0201-NSM	ap_v1[906]mlb[2]
XW21	SHORT_SM	radio_proto[23A7]mlb[2]
XW22	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]
XW23	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]
XW24	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]
XW25	SHORT_SM	radio_proto[26D2]mlb[2]
XW26	SHORT_SM	radio_proto[24B8]mlb[2]
XW27	SHORT_SM	radio_proto[24A8]mlb[2]
XW28	SHORT_SM	radio_proto[24A6]mlb[2]
XW29	SHORT_SM	radio_proto[24A6]mlb[2]
XW30	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]
XW31	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]
XW32	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]
XW33	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]
XW34	SHORT_SHORT-0201-NSM	radio_proto[24C1]mlb[2]
XW35	SHORT_SHORT-0201-NSM	radio_proto[24B1]mlb[2]
XW36	SHORT_SHORT-0201-NSM	radio_proto[30A3]mlb[2]
XW37	SHORT_SHORT-0201	ap_v1[15C2]mlb[2]
XW38	SHORT_SHORT-0201	ap_v1[15C2]mlb[2]
XW39	SHORT_SHORT-0201	ap_v1[15C2]mlb[2]
XW40	SHORT_SHORT-0201	ap_v1[15B2]mlb[2]
XW60	SHORT_SHORT-0201	radio_proto[24D7]mlb[2]
XW64	SHORT_SHORT-0201-NSM	ap_v1[6B1]mlb[2]
XW65	SHORT_SHORT-0201-NSM	ap_v1[7B6]mlb[2]
XW66	SHORT_SHORT-0201-NSM	ap_v1[8D7]mlb[2]
XW67	SHORT_SHORT-0201-NSM	ap_v1[9D7]mlb[2]
XW68	SHORT_SM	ap_v1[9A4]mlb[2]
XW69	SHORT_SHORT-0201-NSM	ap_v1[10A7]mlb[2]
XW70	SHORT_SM	ap_v1[11A6]mlb[2]
XW71	SHORT_SHORT-0201-NSM	ap_v1[11D4]mlb[2]
XW72	SHORT_SM	ap_v1[11C4]mlb[2]
XW73	SHORT_SM	ap_v1[12B7]mlb[2]
XW74	SHORT_SHORT-0201-NSM	ap_v1[16A4]mlb[2]
XW75	SHORT_SHORT-0201-NSM	ap_v1[16A3]mlb[2]
XW77	SHORT_SHORT-0201-NSM	ap_v1[15D6]mlb[2]
XW78	SHORT_SHORT-0201-NSM	ap_v1[15D3]mlb[2]
XW79	SHORT_SHORT-0201-NSM	ap_v1[4C2]mlb[2]
XW80	SHORT_SHORT-0201-NSM	ap_v1[4C2]mlb[2]
XW81	SHORT_SHORT-0201-NSM	ap_v1[4B1]mlb[2]
XW82	SHORT_SHORT-0201-NSM	ap_v1[4A1]mlb[2]
XW83	SHORT_SHORT-0201-NSM	ap_v1[5D3]mlb[2]
XW84	SHORT_SHORT-0201-NSM	ap_v1[6B6]mlb[2]
XW85	SHORT_SHORT-0201-NSM	ap_v1[6C1]mlb[2]
XW86	SHORT_SM	ap_v1[8A6]mlb[2]
XW89	SHORT_SM	ap_v1[11C4]mlb[2]
XW91	SHORT_SM	ap_v1[12B5]mlb[2]
XW92	SHORT_SM	charger[20D2]ap_v1[10]mlb[2]
XW93	SHORT_SM	charger[20D2]ap_v1[10]mlb[2]
Y1	CRYSTAL_3.2X1.5X.6-S	radio_proto[23A4]mlb[2]
	M	
Y2	CRYSTAL_4PIN_SM-2	ap_v1[8A4]mlb[2]
Y3	CRYSTAL_3.2X1.5X.6-S	ap_v1[11A5]mlb[2]
	M	
Y5	CRYSTAL_4PIN_SM-2	ap_v1[4B6]mlb[2]
Y7	CRYSTAL_4PIN_SM-2	radio_proto[30A5]mlb[2]


	8	7	6	5	4	3	2	1	
D	<pre> U29_AP FLASH_4GX8_48P1_TSOP ap_v1[687]mlb[2] U30_AP ISL59121_WLCSF9 ap_v1[8C6]mlb[2] U30_RF SW1_SPDT_DG2717_SOT6 radio_proto[30D8]mlb[2] 66 U31_RF PMB2525_BGA radio_proto[28C7]mlb[2] U33_RF BGAG15L7_TSLP radio_proto[28B3]mlb[2] U36_AP 74LVC1G08GF_SOT891 ap_v1[11A6]mlb[2] U37_RF SKY77434_MCM radio_proto[26A8]mlb[2] U40_AP 74LVC1G157_SOT891 ap_v1[17D7]mlb[2] U41_AP 74LVC1G157_SOT891 ap_v1[17C7]mlb[2] U42_AP SN74AUP1T97_WCSF ap_v1[17B7]mlb[2] U56_AP 74LVC1G86_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] VR1_AP VREG_LP3986_BGA ap_v1[16B2]mlb[2] VR1_RF LREG_TK684_FC-4 radio_proto[30C8]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_ radio_proto[24D7]mlb[2] SM 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_ radio_proto[24D7]mlb[2] SM 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] M 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 </pre>								C
C									C
B									B
A									A
	8	7	6	5	4	3	2	1	

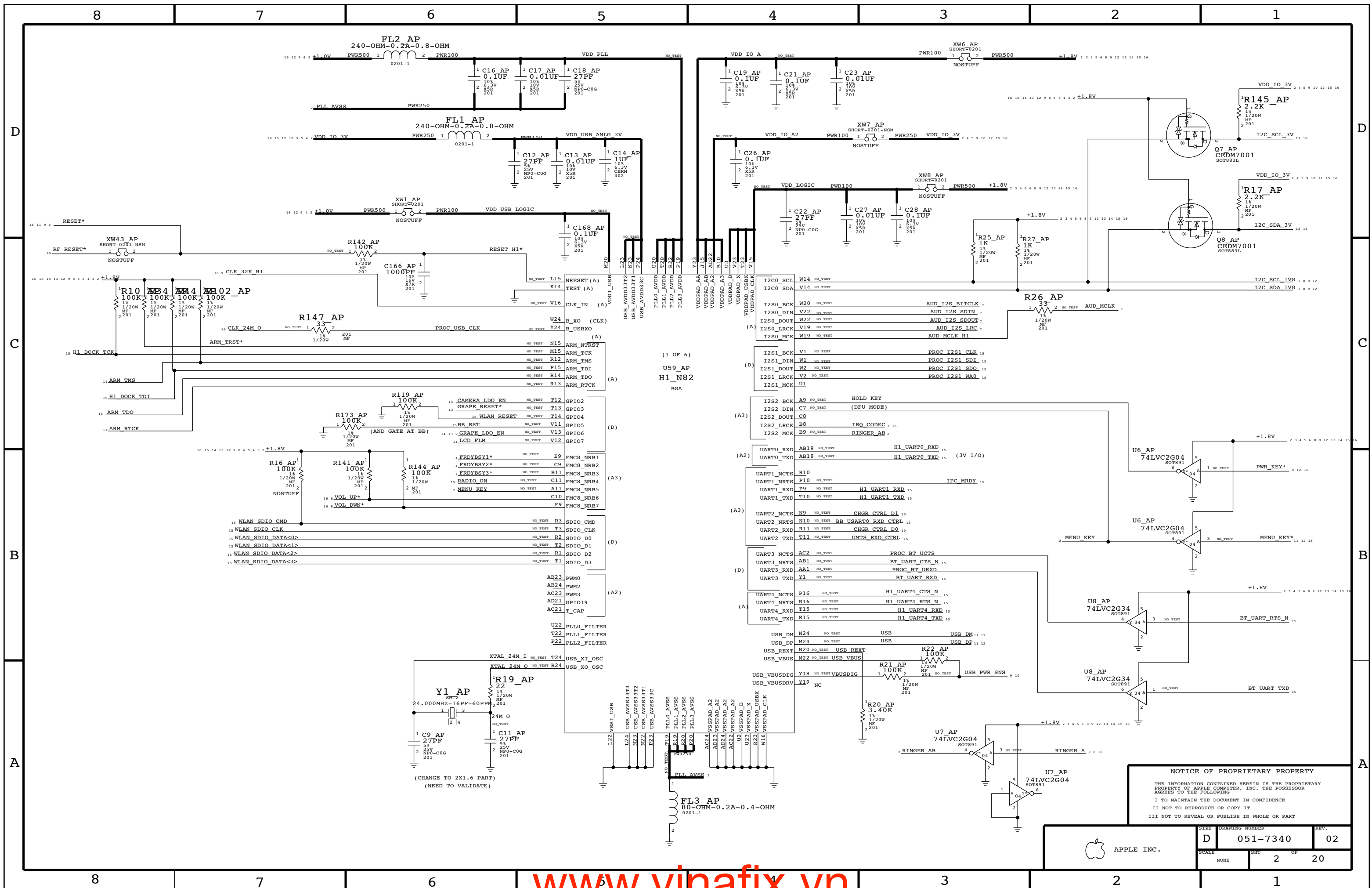
MLB EVT3B REV10

N82 SINGLE BRD (MLB) AP -2/15/2008 (I) REV10

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02	H1 PERIPHERAL INTERFACES (UART/SDIO)
03	H1 DDR SDRAM INTERFACE , BOARD ID, VERSION ID
04	H1 NAND, NAND FLASH
05	H1 LCD INTERFACE, MPL CLCD INTERFACE, SERIAL FLASH
06	H1 CAMERA, VIDEO OUT
07	WM1817 AUDIO CODEC
08	HEADPHONE CONECTOR, VOLUME/HOLD ZIF, VIBRATOR
09	POWER MANAGEMENT UNIT
10	SWITCHING LTC4088 CHARGER
11	DOCK FLEX CONNECTOR
12	1A USB BRICK DETECT, ACCELEROMETER, POWER/MENU/DFU LOGIC
13	ZEPHYR2 LITE AND MARIO LITE (GRAPE), PROX ZIF
14	LCM CONNECTOR, CAMERA CONNECTOR
15	RADIO->AP INTERFACE
16	FUNCTIONAL TEST POINTS

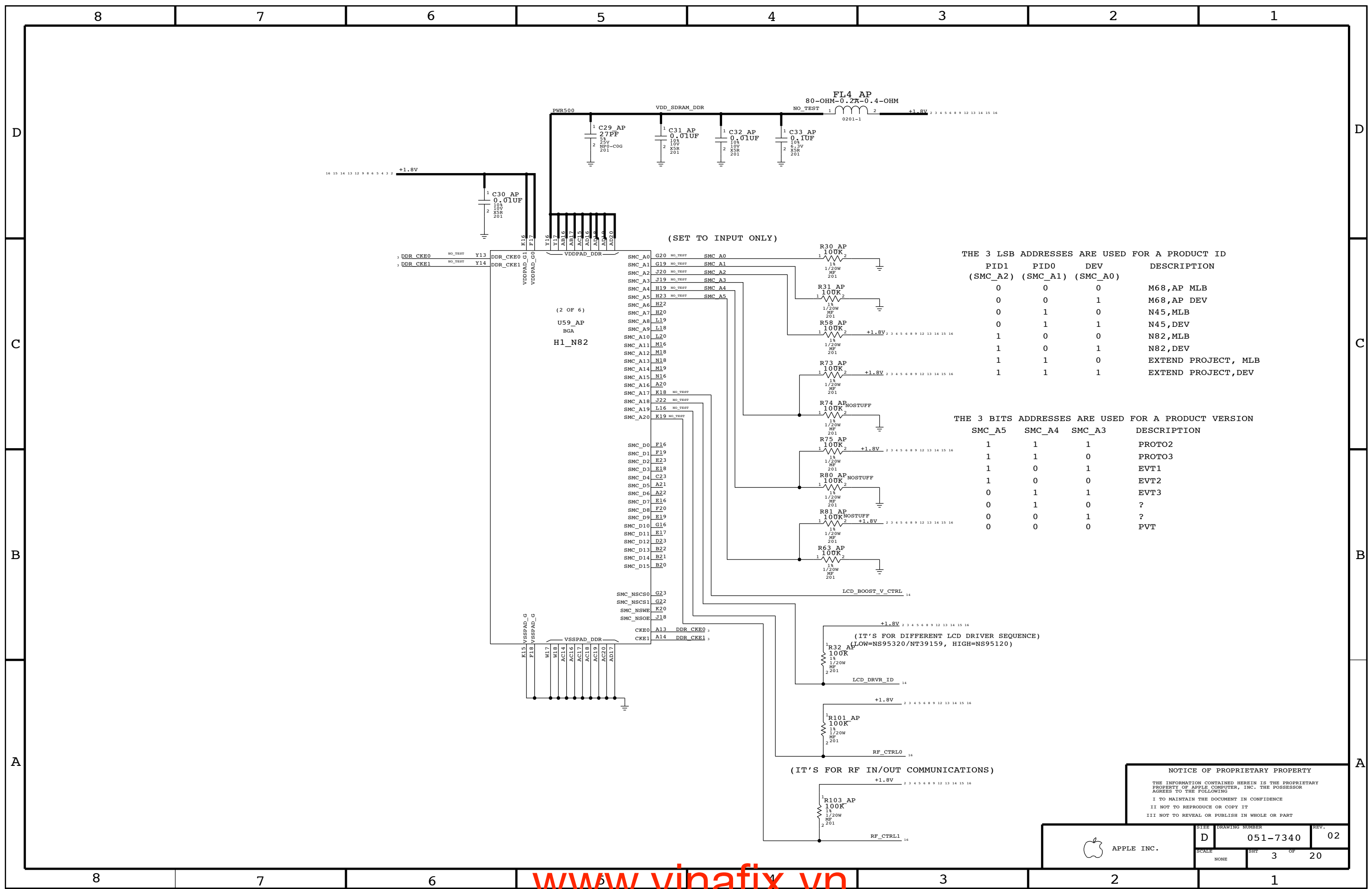
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THE 3 LSB ADDRESSES ARE USED FOR A PRODUCT ID

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

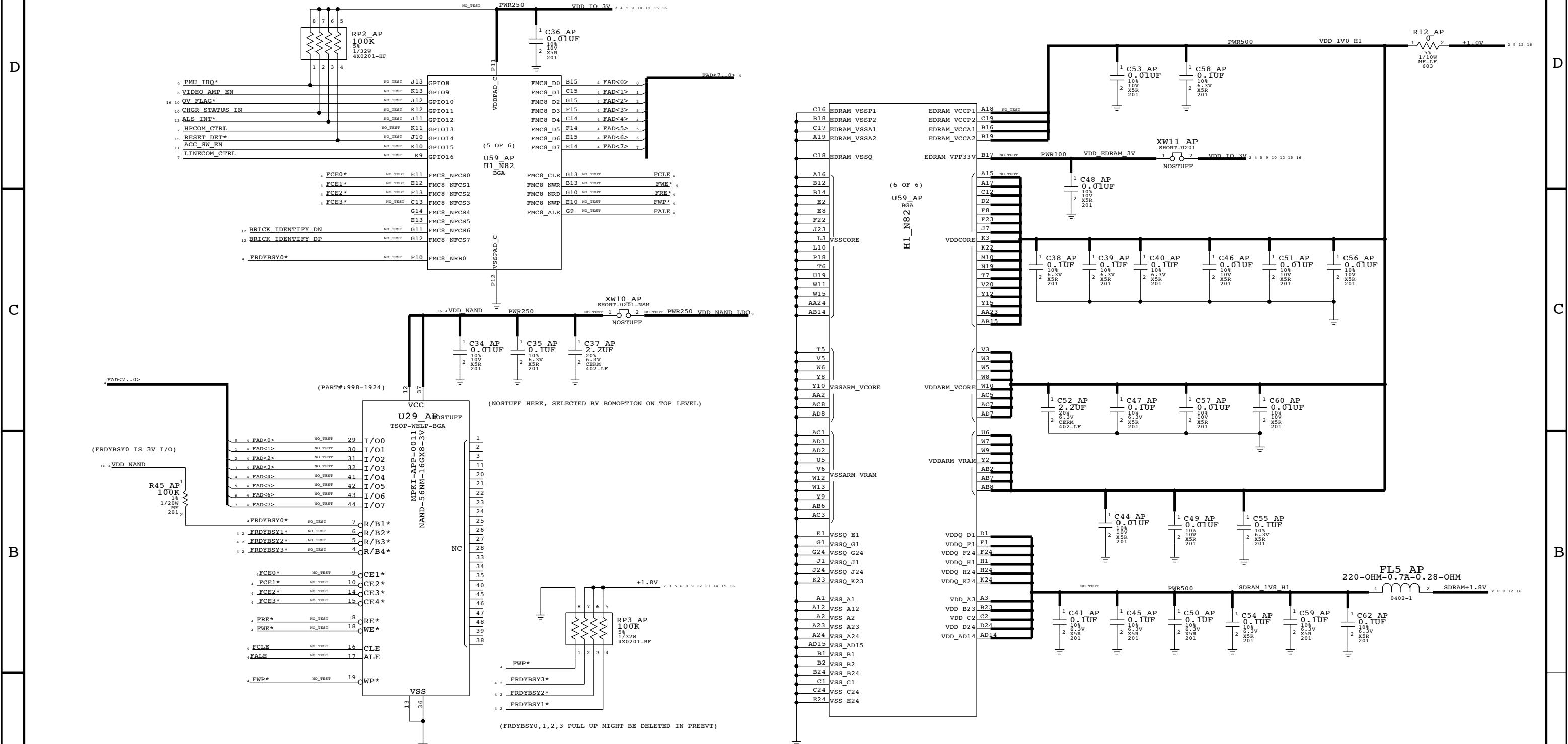
THE 3 BITS ADDRESSES ARE USED FOR A PRODUCT VERSION

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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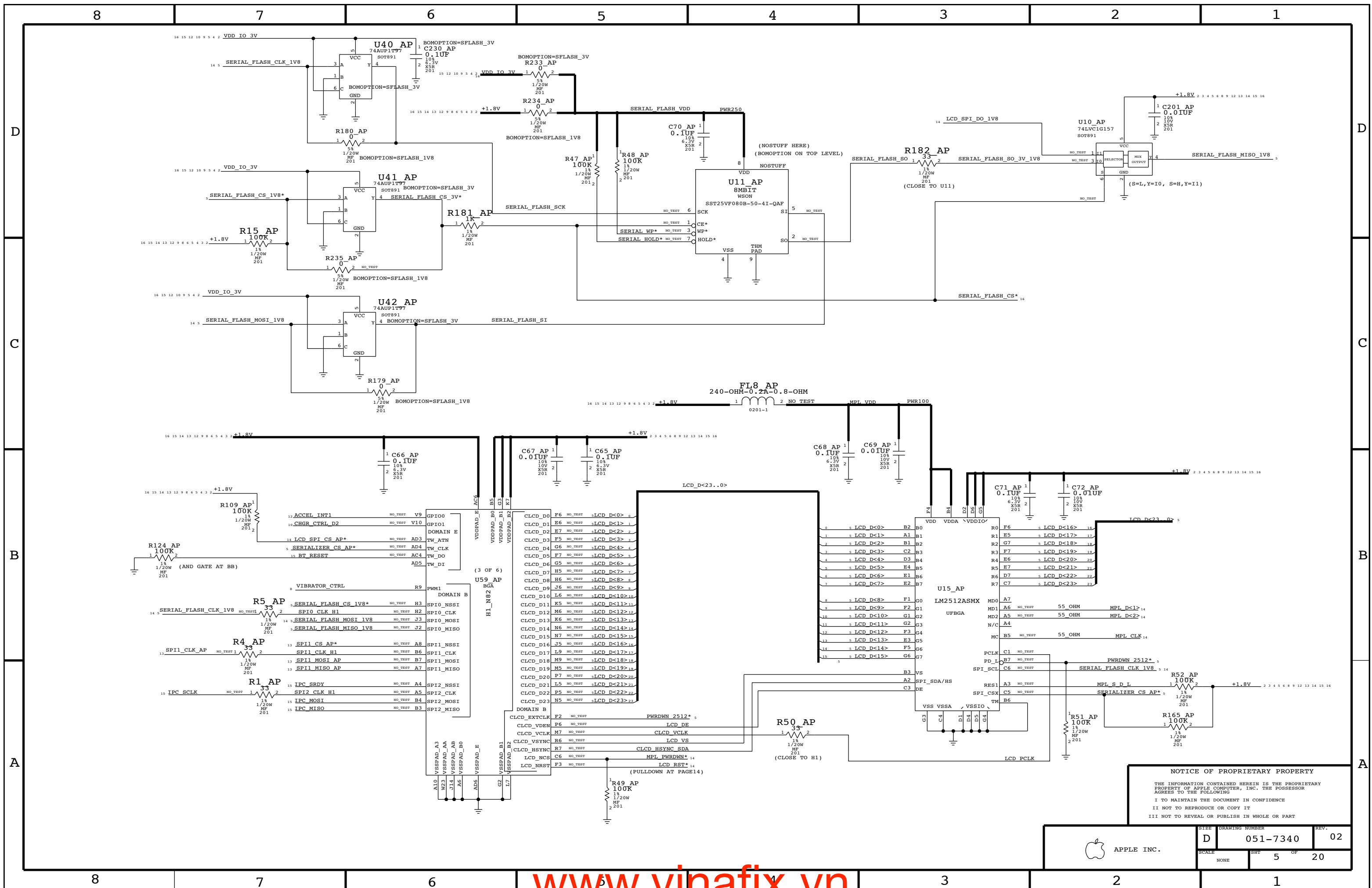
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	D	051-7340	02
SCALE	SHEET		OF
NONE	3		20

NAND FLASH & GPIO



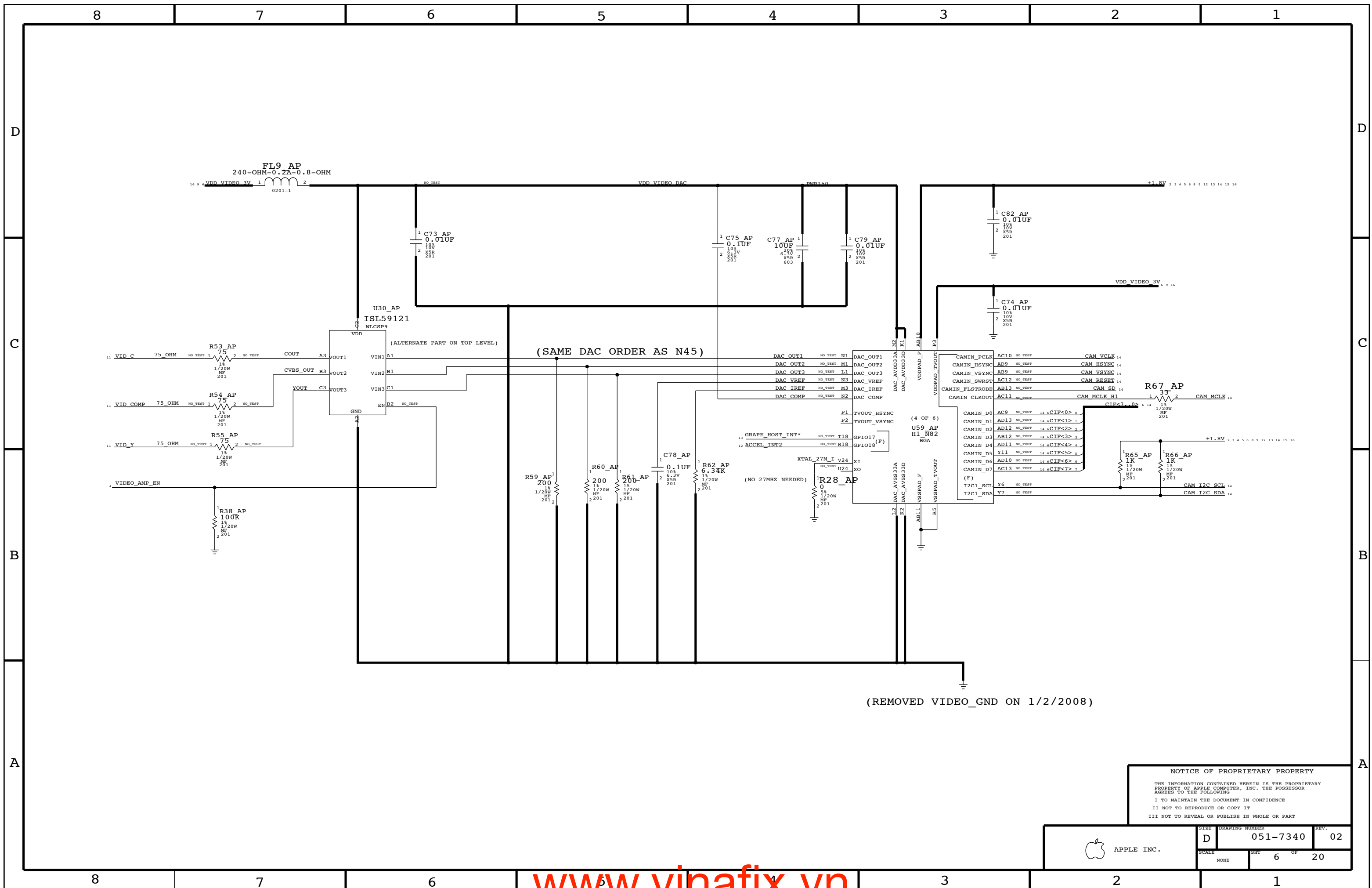
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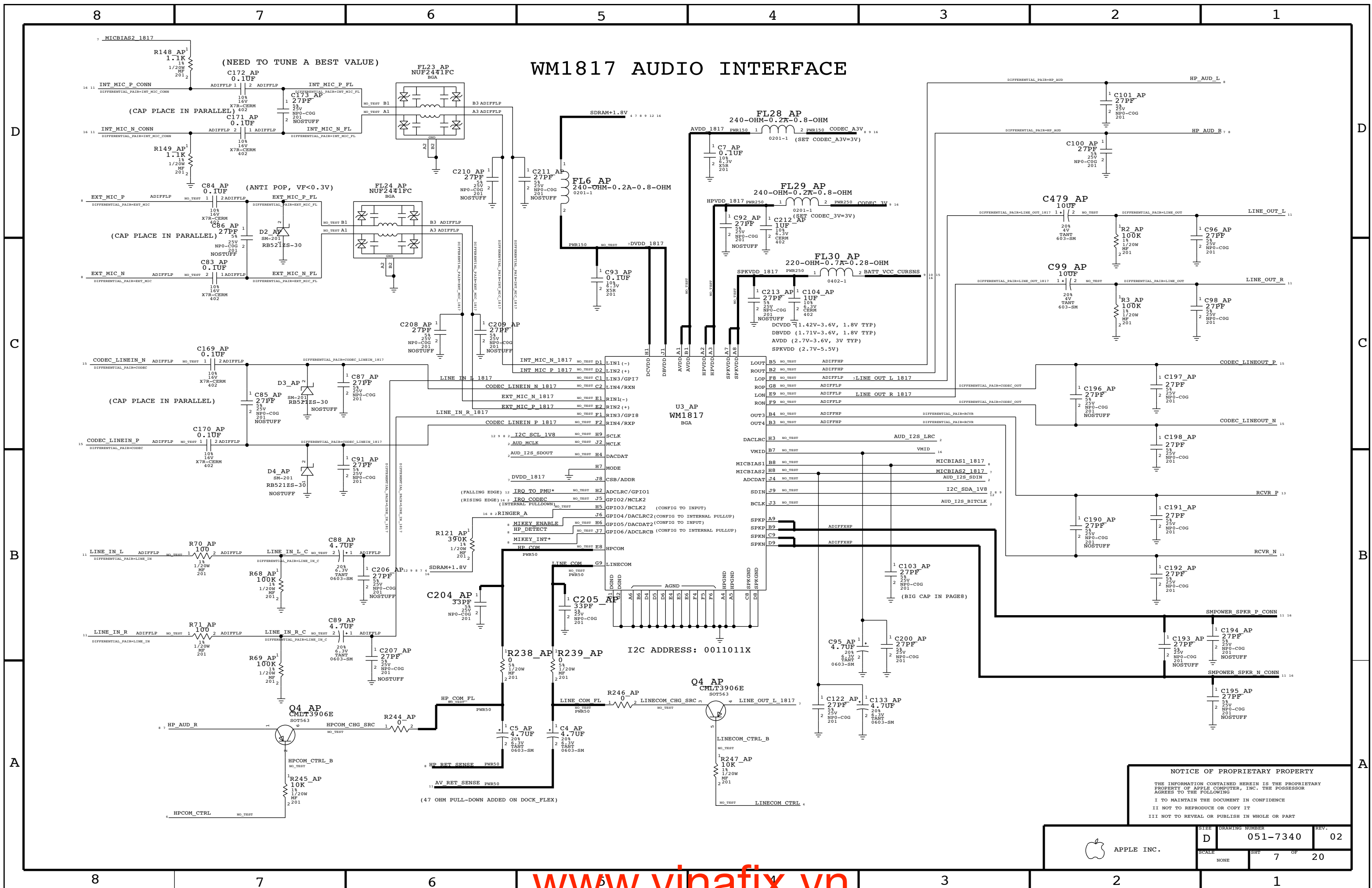
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	SCALE: NONE	SHEET: 5 OF 20



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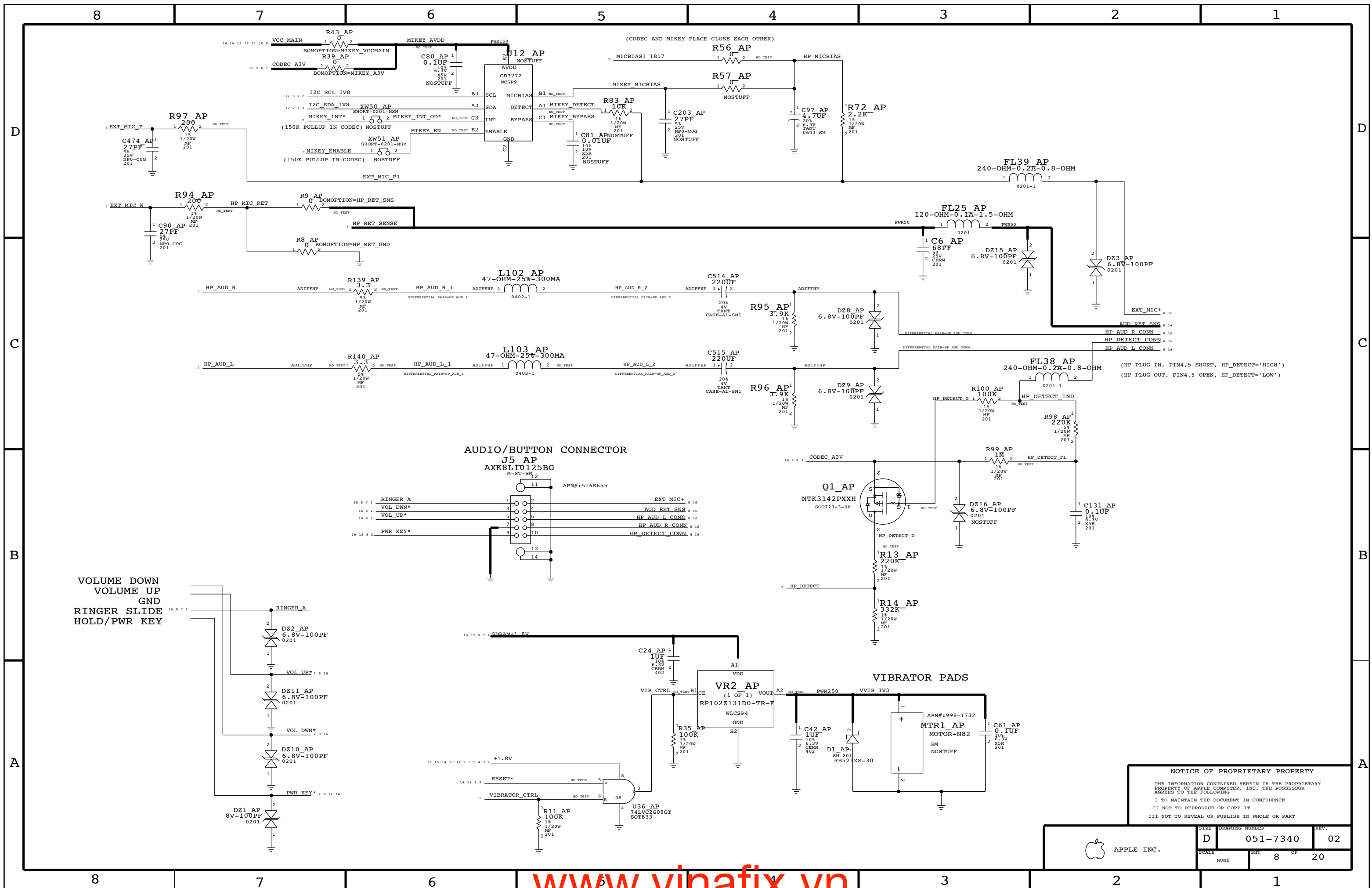
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SCALE	SHT	6 OF	20
NONE			

WM1817 AUDIO INTERFACE



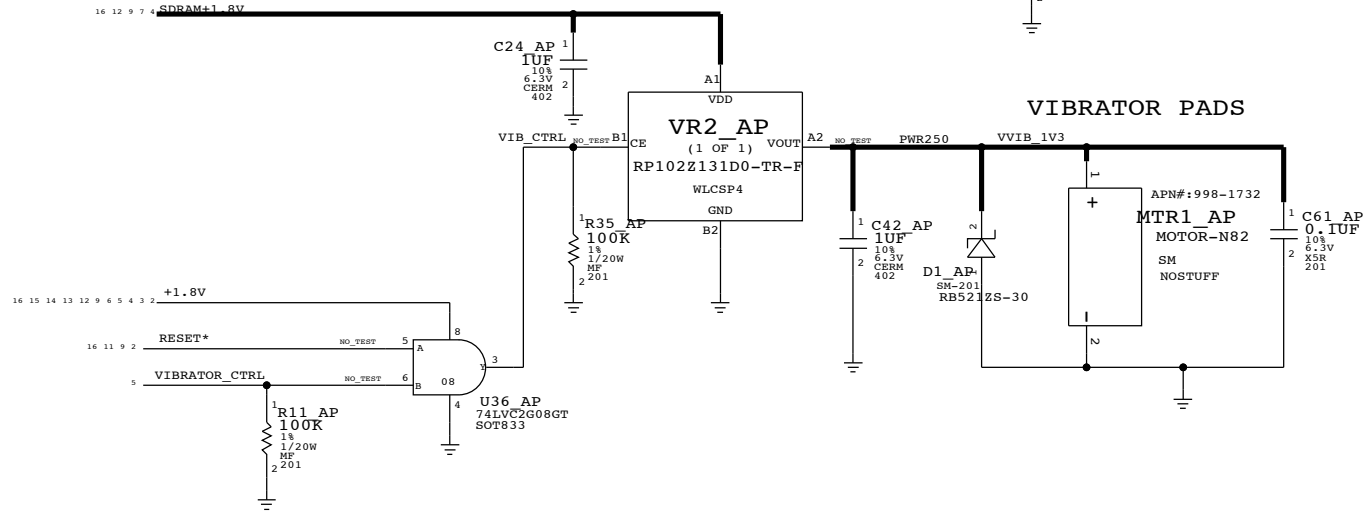
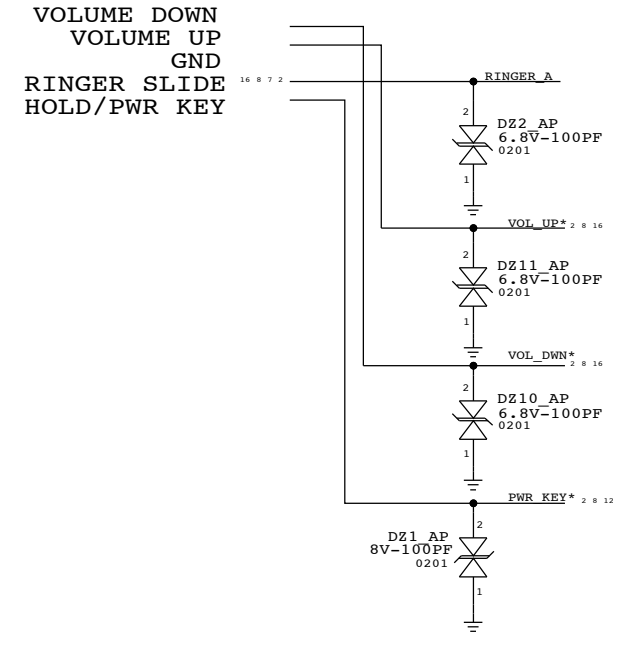
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	SCALE	NONE	SHT	7 OF 20



AUDIO/BUTTON CONNECTOR
J5 AP
AXK8L10125BG
 H-ST-SH12
 APN#:516S655

16 8 7 2	RINGER_A	1	2	EXT_MIC+	8 16
16 8 2	VOL_DWN*	3	4	AUD_RET_SNS	8 16
16 8 2	VOL_UP*	5	6	HP_AUD_L_CONN	8 16
16 12 8 2	PWR_KEY*	7	8	HP_AUD_R_CONN	8 16
		9	10	HP_DETECT_CONN	8 16
		13			
		14			

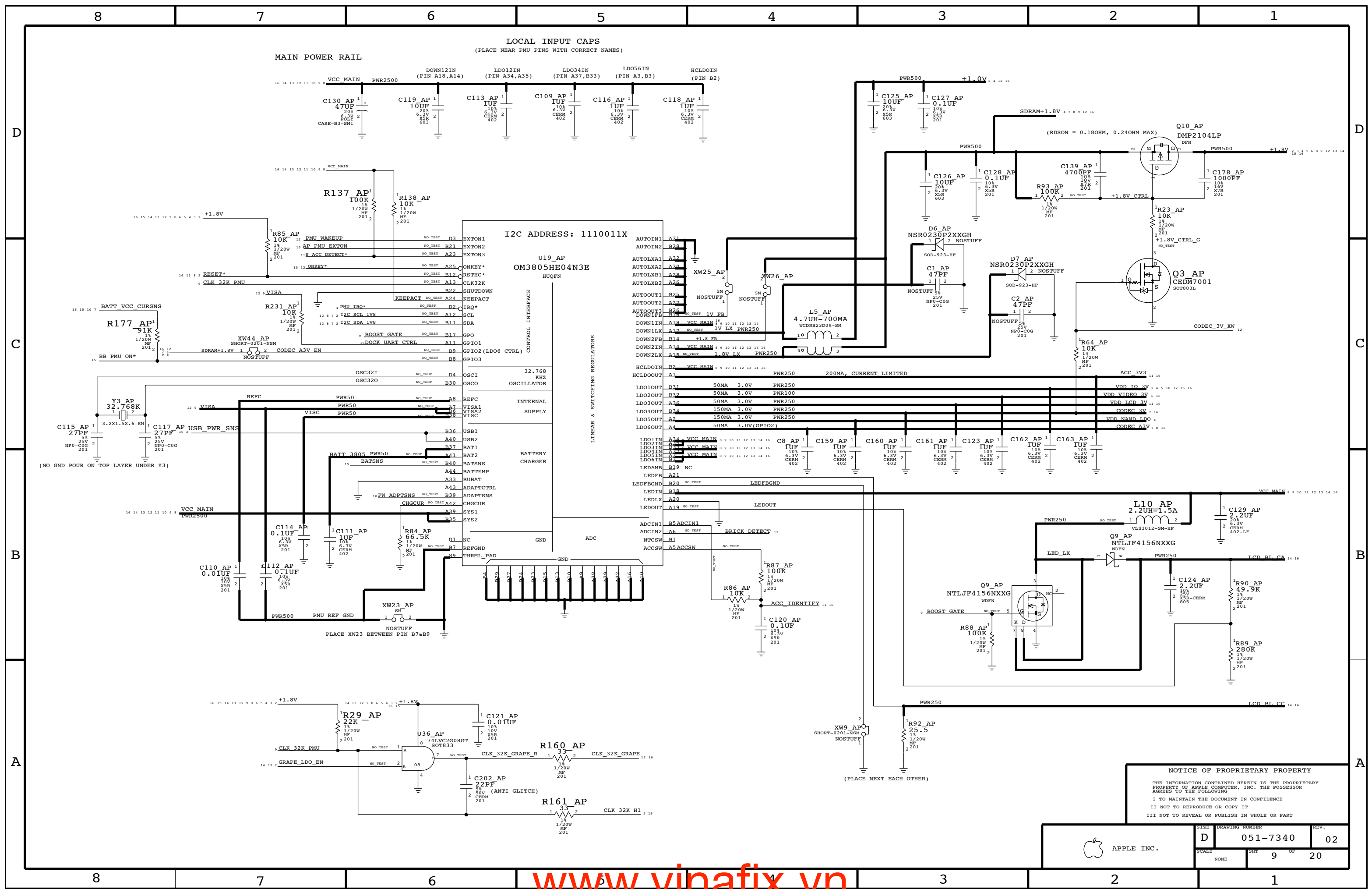


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	NONE	D	051-7340	02
		SHT	8 OF	20



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

MAIN POWER RAIL
VCC_MAIN PWR2500
DOWN12IN (PIN A18,A14)
LDO12IN (PIN A34,A35)
LDO34IN (PIN A37,B33)
LDO56IN (PIN A3,B3)
HCLDOIN (PIN B2)

I2C ADDRESS: 1110011X

U19 AP
OM3805HE04N3E
HUQFN

CONTROL INTERFACE
AUTOIN1 A31
AUTOIN2 B29
AUTOLXA1 A32
AUTOLXA2 A30
AUTOLXB1 A28
AUTOLXB2 A26
AUTOOUT1 B25
AUTOOUT2 A27
AUTOOUT3 B26
DOWN1FB B16
DOWN1IN A18
DOWN1LX A17
DOWN2FB B14
DOWN2IN A14
DOWN2LX A15
HCLDOIN B2
HCLDOOUT A1
LDO1OUT B31
LDO2OUT B32
LDO3OUT A36
LDO4OUT B34
LDO5OUT A2
LDO6OUT A4
LDO1IN A34
LDO2IN B33
LDO3IN A35
LDO4IN A37
LDO5IN A38
LDO6IN B3

OSCILLATOR
OSC321 NO_TEST D4
OSC320 NO_TEST B30

INTERNAL SUPPLY
REFC PWR50
VISA1 PWR50
VISA2 PWR50
VISC PWR50

BATTERY CHARGER
BAT1 B37
BAT2 B40
BATSNS B40
BATTEMP A44
BUBAT A33
ADAPCTRL A43
ADAPTSNS B39
CHGCUR A42
SYS1 B39
SYS2 B35

ADC
ADCIN1 B5
ADCIN2 A6
NTCSW B1
ACCSSW A5

LED FBGND
LEDFBGND B20
LEDLX A20
LEDOUT A19

BRICK DETECT B12
ACC IDENTIFY B11

PMU REF GND
PMU REF GND B7

THRM_PAD B9

LED LX
LED LX B14

LED CA
LED CA B14

LED CG
LED CG B14

CLK_32K_GRAPE_R
CLK_32K_GRAPE B13

CLK_32K_H1
CLK_32K_H1 B12

ANTENNA
ANTENNA B1

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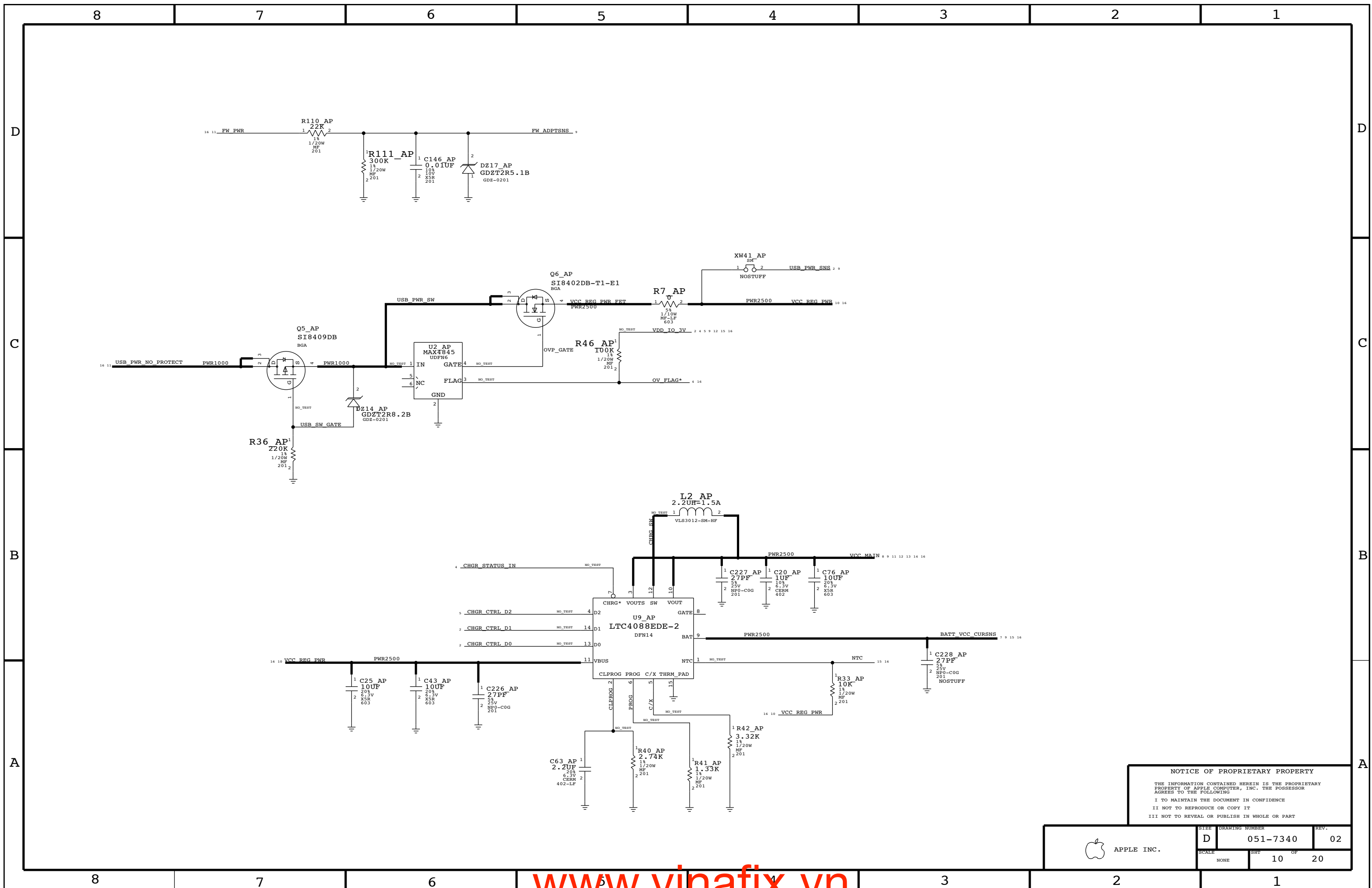
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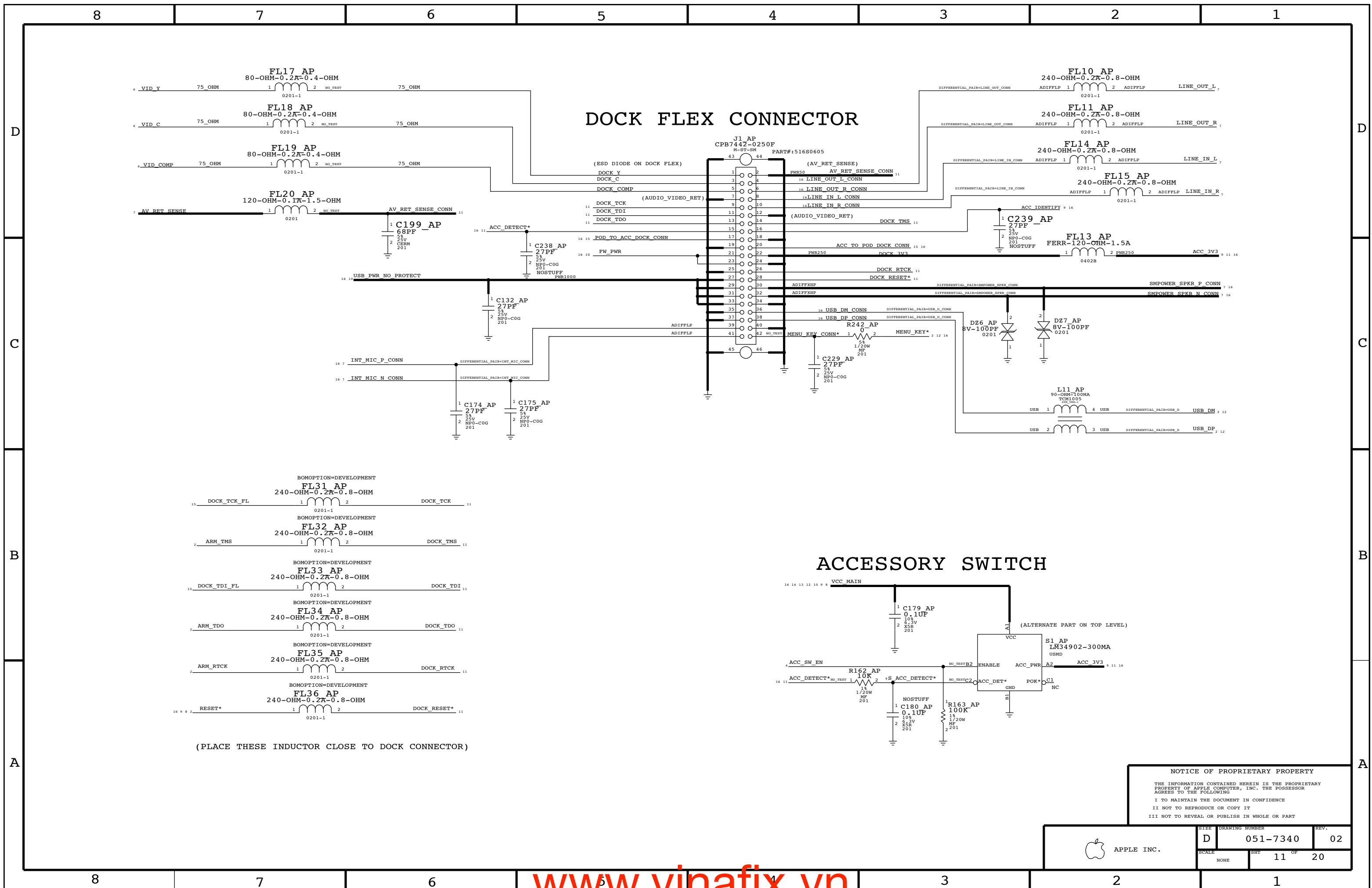
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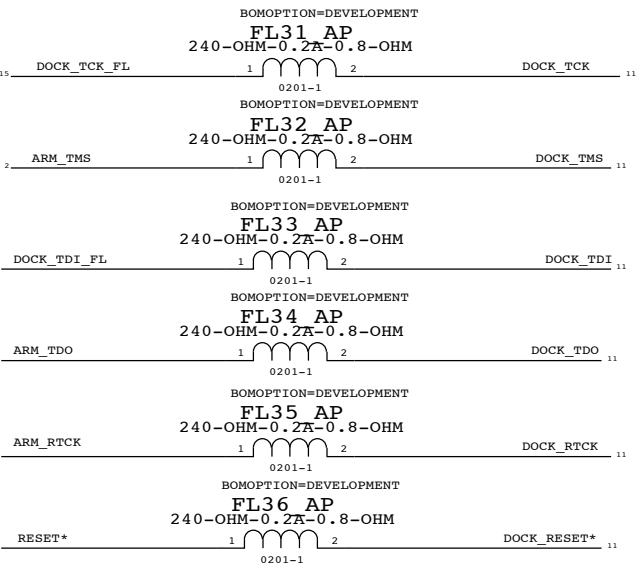
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NONE	10	20	



DOCK FLEX CONNECTOR

ACCESSORY SWITCH



(PLACE THESE INDUCTOR CLOSE TO DOCK CONNECTOR)

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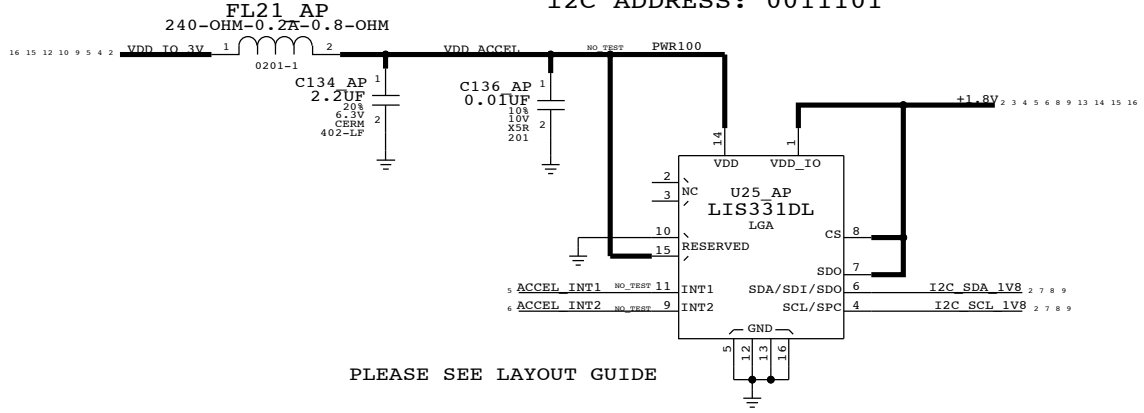
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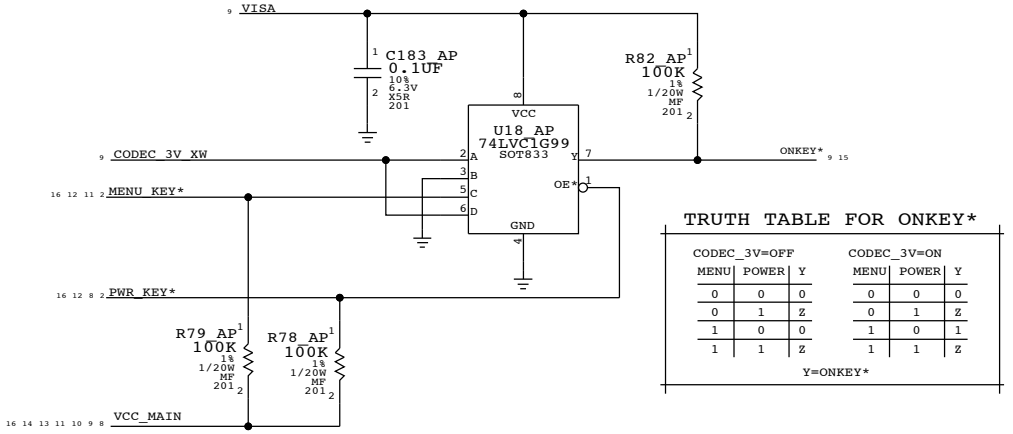
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	D	051-7340	02
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NONE			

ACCELEROMETER

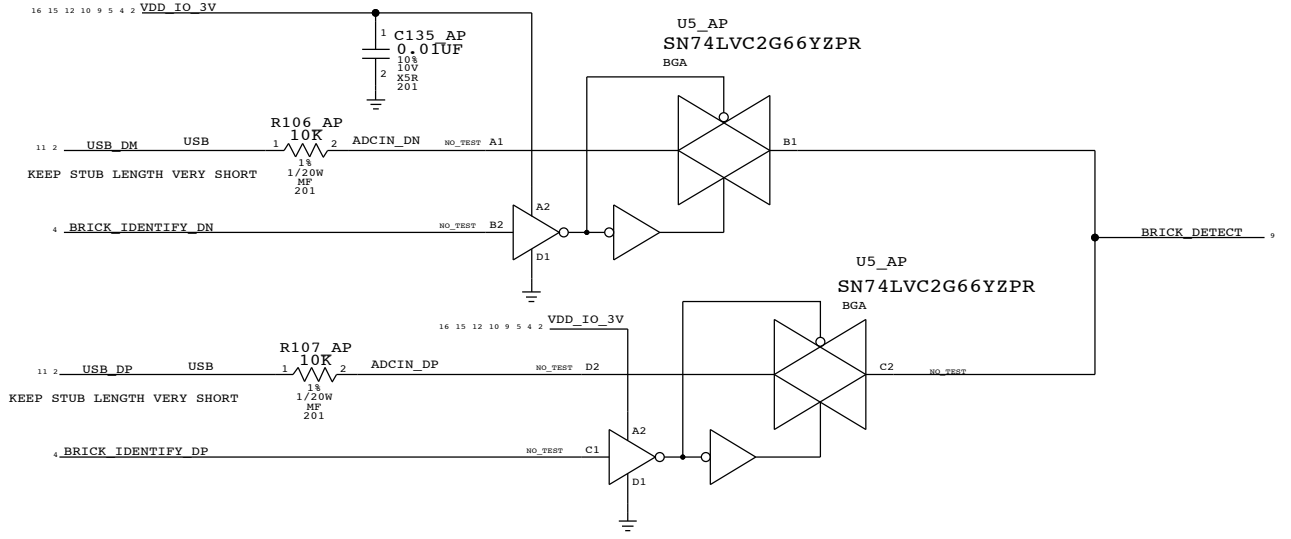
I2C ADDRESS: 0011101



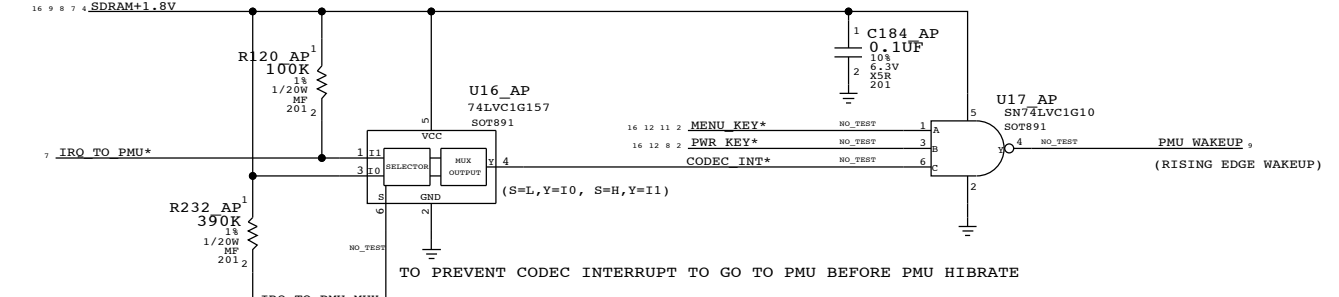
U18+ONKEY* IS USED TO WAKE FROM OFF (PMU STANDBY)
ONKEY* HELD LOW FOR 6 SECONDS INITIATES PMU RESET SEQUENCE.



ADAPTER CURRENT CAPACITY DETECTION



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

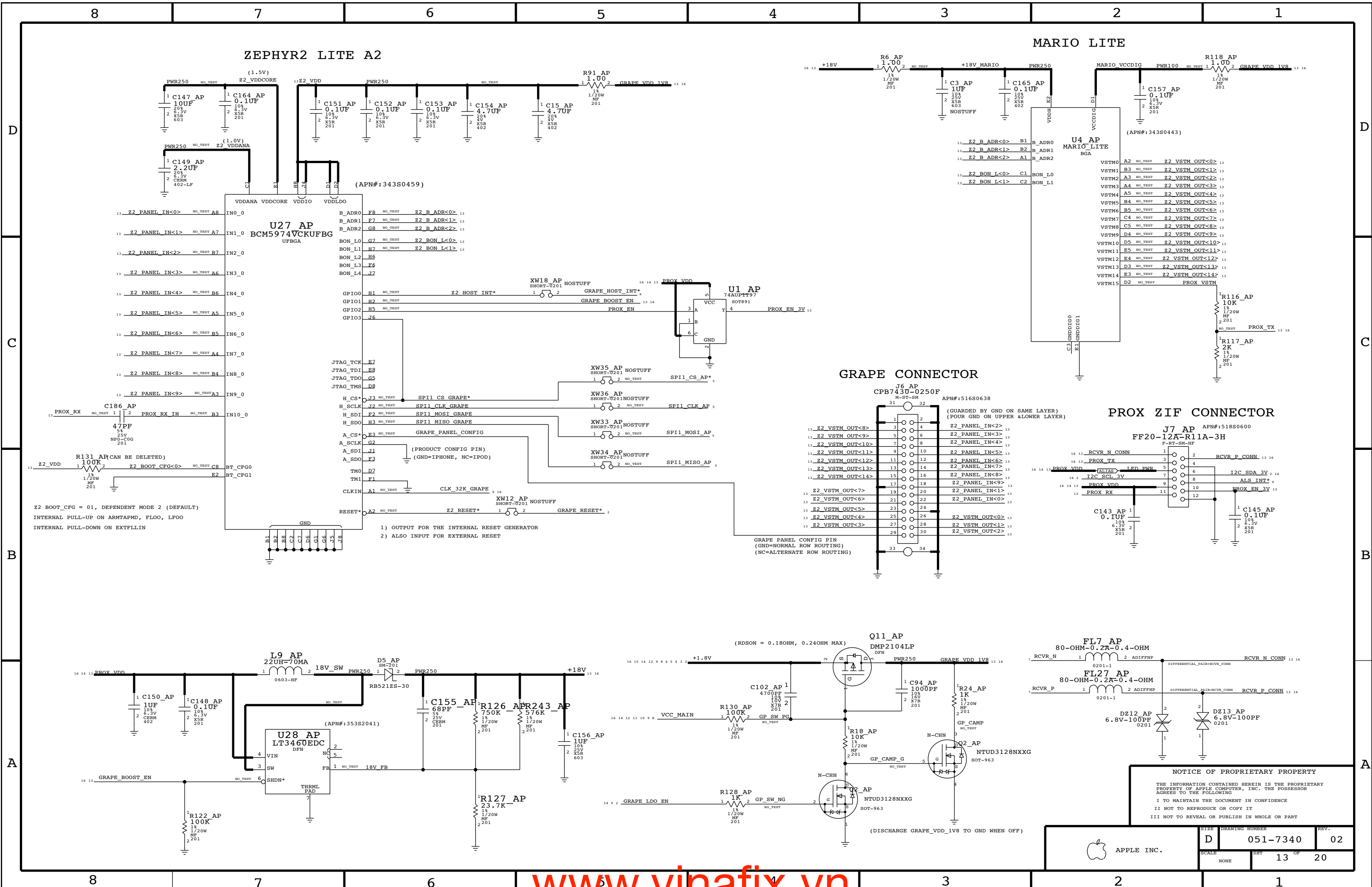


EVENTS	SDRAM+1.8V=ON(PHONE IN HIBERNATE MODE)			
	CODEC INT*	MENU KEY*	POWER KEY*	PMU WAKEUP
WM8991 INT HAPPENS, MENU&HOLD KEY PRESSED	0	0	0	1
WM8991 INT HAPPENS & MENU KEY PRESSED	0	0	1	1
WM8991 INT HAPPENS & HOLD KEY PRESSED	0	1	0	1
WM8991 INTERRUPT HAPPENED	0	1	1	1
MENU & HOLD KEY PRESSED	1	0	0	1
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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NONE			



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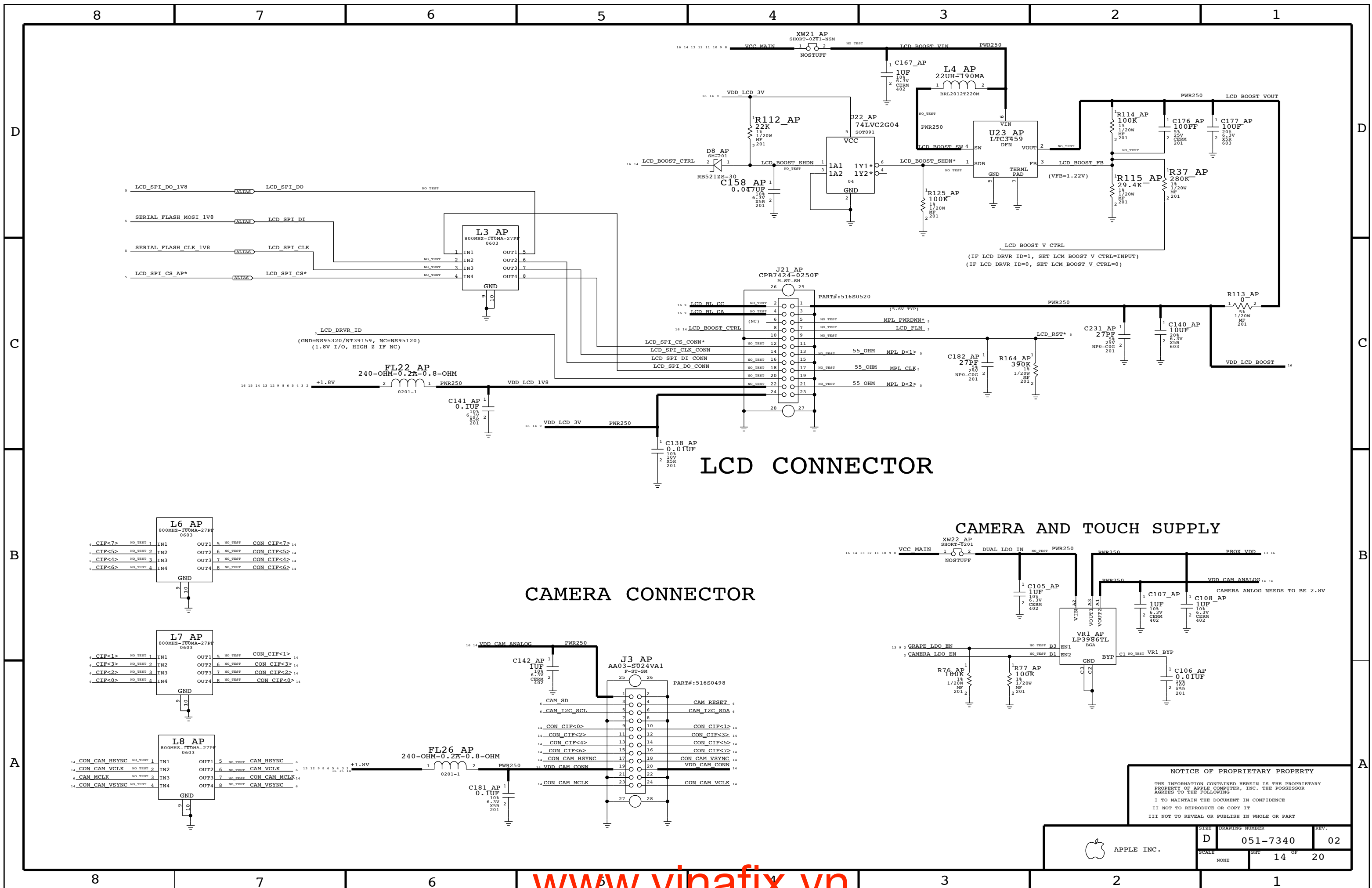
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SCALE	SHT	OF
NONE	13	20



LCD CONNECTOR

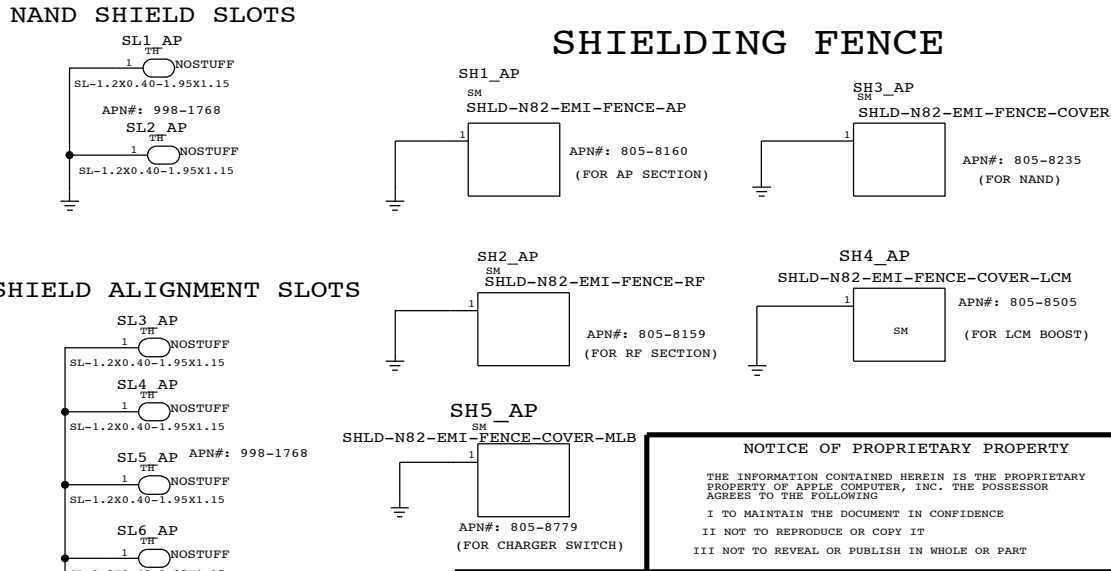
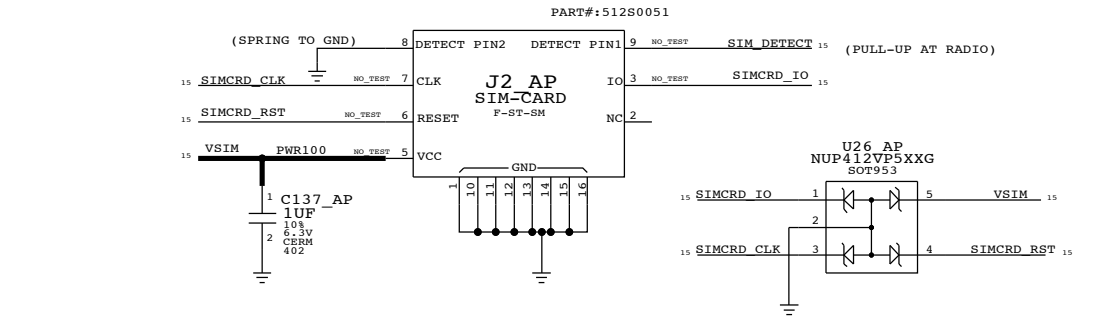
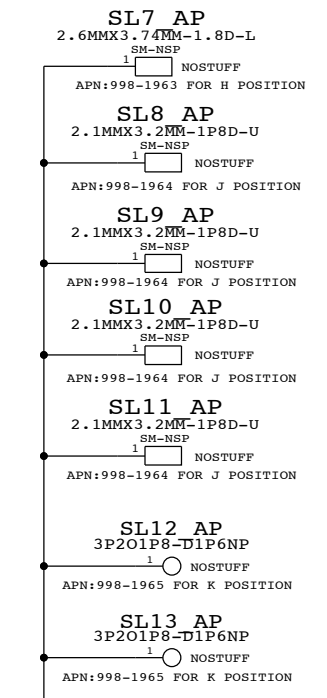
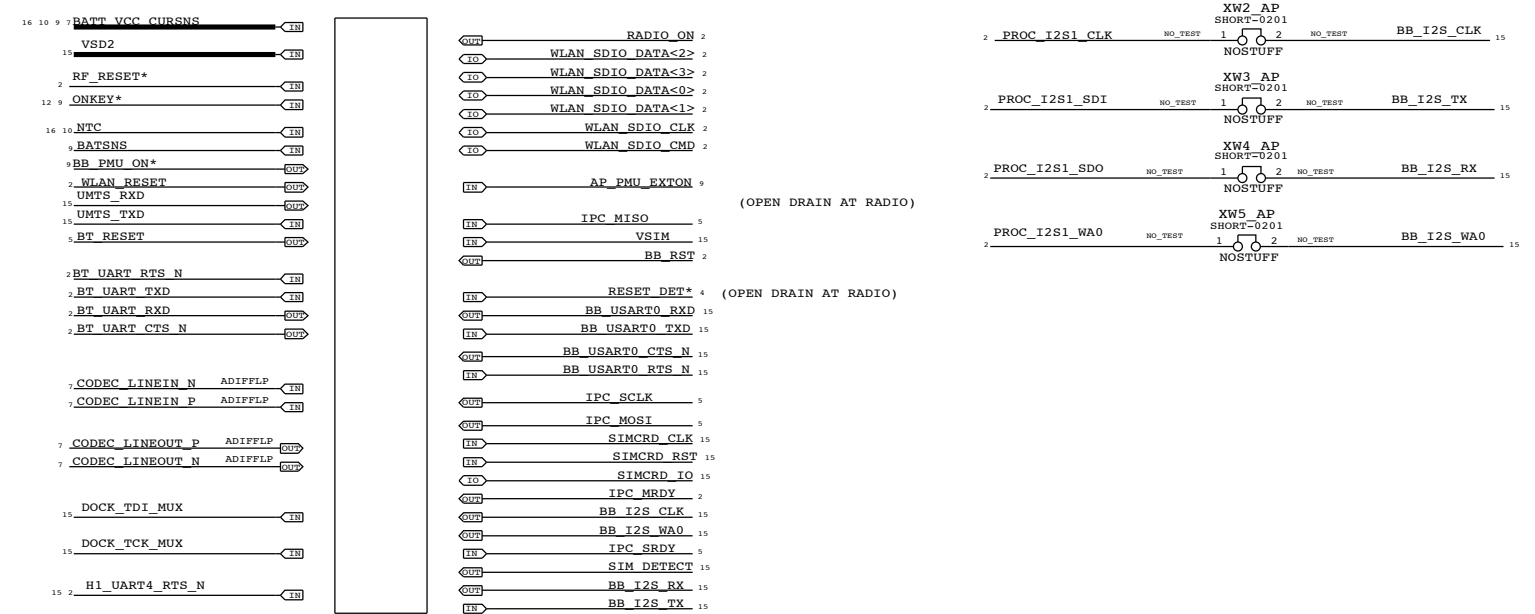
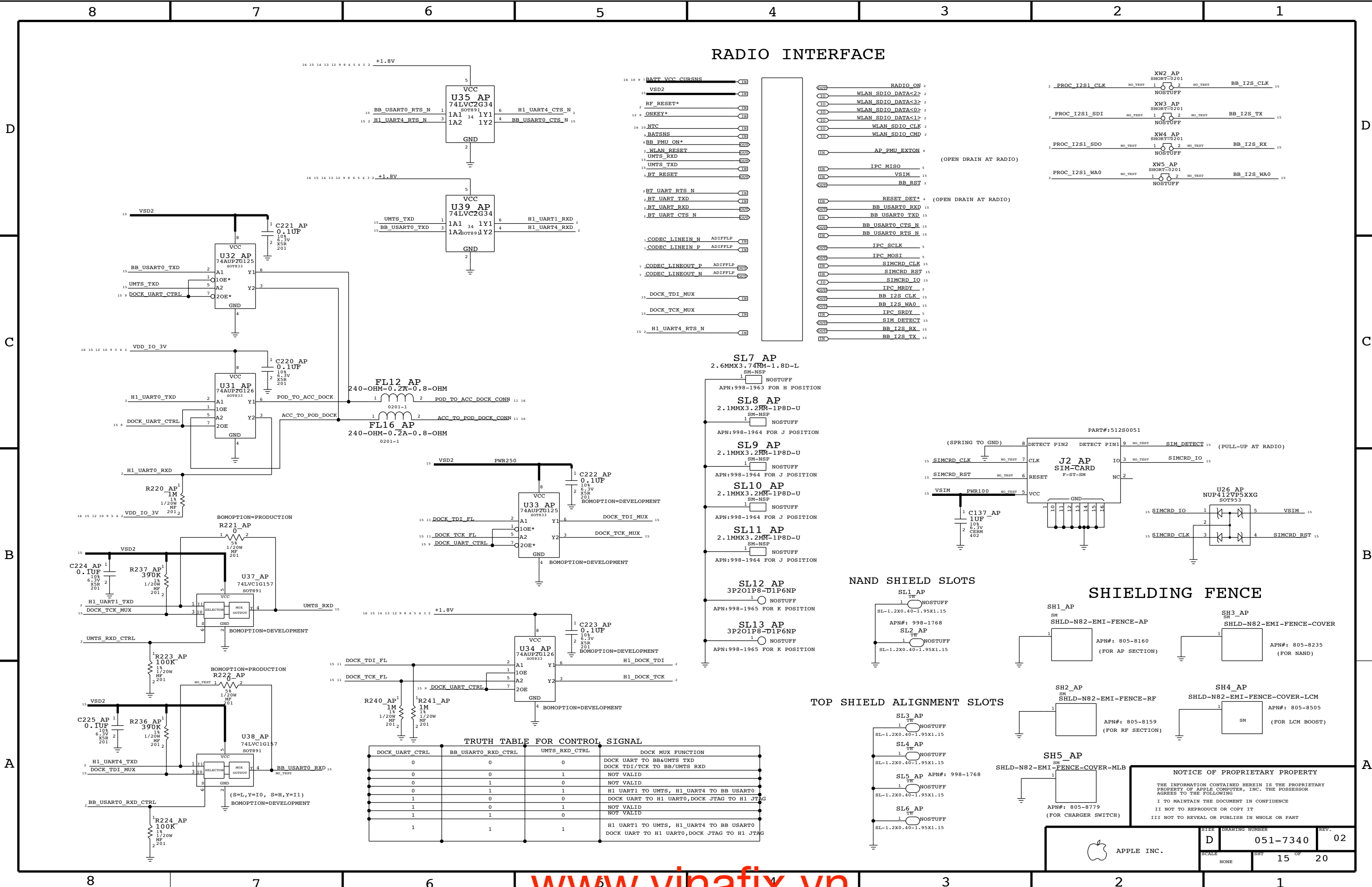
CAMERA CONNECTOR

CAMERA AND TOUCH SUPPLY

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	DRAWING NUMBER D 051-7340	REV. 02
	SCALE NONE	SHEET 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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DRAWING NUMBER: **D 051-7340**

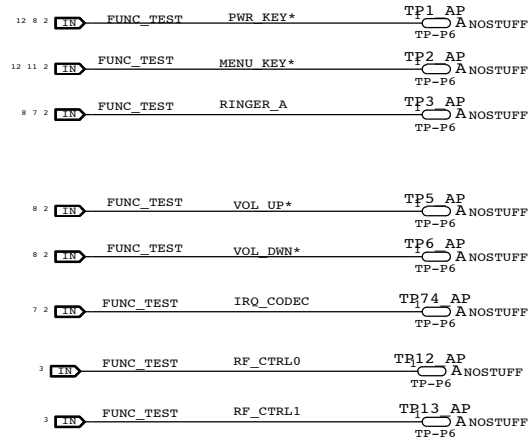
REV: **02**

SCALE: NONE

SHEET: **15** OF **20**

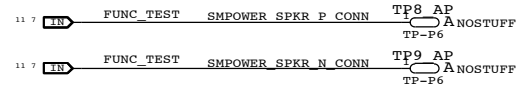
TEST POINTS

GPIO

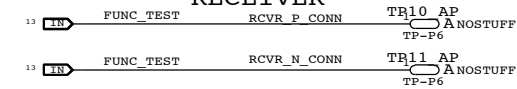


AUDIO

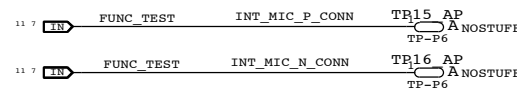
SPEAKER



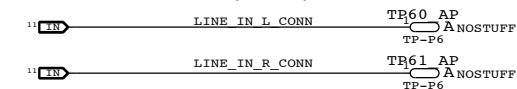
RECEIVER



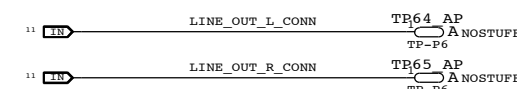
MIC



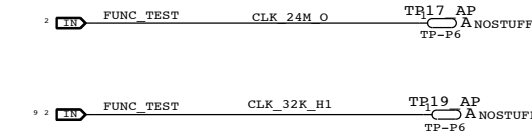
LINE IN



LINE OUT



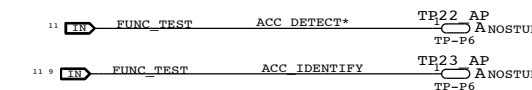
CLOCK



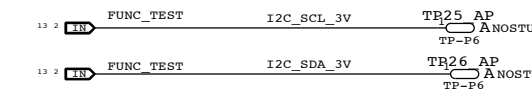
RESET



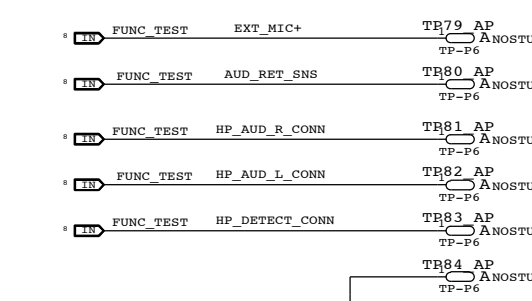
ACCESSORY DETECT



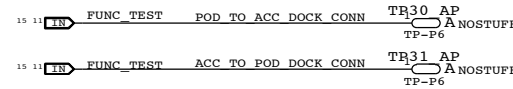
I2C PINS



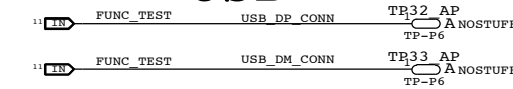
HEADPHONE



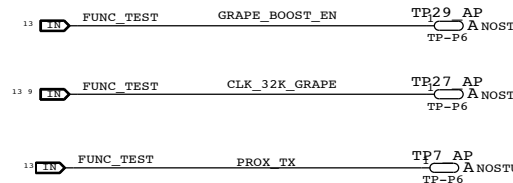
UART



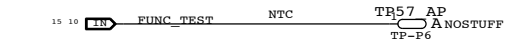
USB



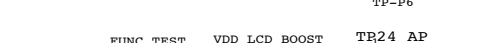
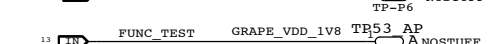
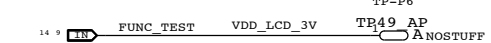
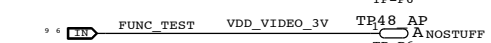
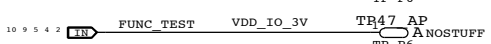
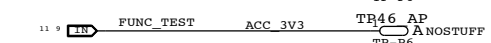
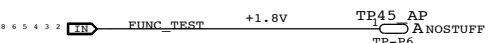
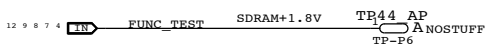
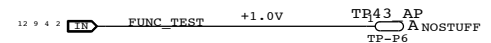
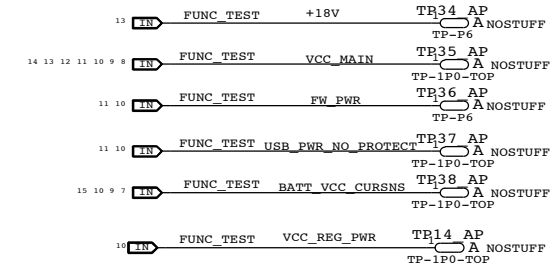
GRAPE



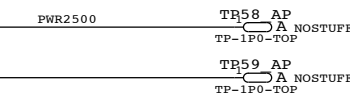
THERMISTOR



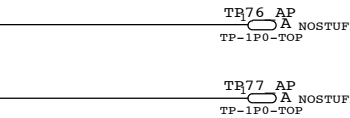
POWER



POWER GND



SIGNAL GND



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	D	051-7340	02
SCALE	SHT 16 OF 20		
NONE			

Table with 8 columns (labeled 1-8) and multiple rows of electronic component designations and their corresponding pin numbers. The table is organized into four quadrants (A, B, C, D) and includes a footer with the URL www.vinafix.vn.

	8	7	6	5	4	3	2	1
D	VDD_USB_LOGIC	VDD_USB_LOGIC - @ap_v1_lib.AP_V1	2D6					
	VDD_VIDEO_3V	VDD_VIDEO_3V - @ap_v1_lib.AP_V1	6C2 6D7 9C2 16B3					
	VDD_VIDEO_DAC	VDD_VIDEO_DAC - @ap_v1_lib.AP_V1	6D5					
	VIBRATOR_CTRL	VIBRATOR_CTRL - @ap_v1_lib.AP_V1	5B7 8A6					
	VIB_CTRL	VIB_CTRL - @ap_v1_lib.AP_V1	8A5					
	VIDEO_AMP_EN	VIDEO_AMP_EN - @ap_v1_lib.AP_V1	4D8 6B8					
	VID_C	VID_C - @ap_v1_lib.AP_V1	6C8 11D8					
	VID_COMP	VID_COMP - @ap_v1_lib.AP_V1	6C8 11D8					
	VID_Y	VID_Y - @ap_v1_lib.AP_V1	6B8 11D8					
	VISA	VISA - @ap_v1_lib.AP_V1	9C7 9C7 12D8					
	VISC	VISC - @ap_v1_lib.AP_V1	9C7					
	VMID	VMID - @ap_v1_lib.AP_V1	7B3 16B6					
	VOL_DWN*	VOL_DWN* - @ap_v1_lib.AP_V1	2B7 8A7 8B6 16C8					
	VOL_UP*	VOL_UP* - @ap_v1_lib.AP_V1	2B7 8A7 8B6 16C8					
	VR1_BYP	VR1_BYP - @ap_v1_lib.AP_V1	14A2					
	VSD2	VSD2 - @ap_v1_lib.AP_V1	15A8 15B6 15B8 15D5 15D8					
	VSIM	VSIM - @ap_v1_lib.AP_V1	15B1 15B3 15D3					
	WVIB_IV3	WVIB_IV3 - @ap_v1_lib.AP_V1	9A3					
	WLAN_RESET	WLAN_RESET - @ap_v1_lib.AP_V1	2C6 15D5					
	WLAN_SDIO_CLK	WLAN_SDIO_CLK - @ap_v1_lib.AP_V1	2B7 15D3					
	WLAN_SDIO_CMD	WLAN_SDIO_CMD - @ap_v1_lib.AP_V1	2B7 15D3					
	WLAN_SDIO_DATA<0>	WLAN_SDIO_DATA<0> - @ap_v1_lib.AP_V1	2B7 15D3					
	WLAN_SDIO_DATA<1>	WLAN_SDIO_DATA<1> - @ap_v1_lib.AP_V1	2B7 15D3					
	WLAN_SDIO_DATA<2>	WLAN_SDIO_DATA<2> - @ap_v1_lib.AP_V1	2B7 15D3					
	WLAN_SDIO_DATA<3>	WLAN_SDIO_DATA<3> - @ap_v1_lib.AP_V1	2B7 15D3					
	XTAL_24M_I	XTAL_24M_I - @ap_v1_lib.AP_V1	2A6					
	XTAL_24M_O	XTAL_24M_O - @ap_v1_lib.AP_V1	2A6					
	XTAL_27M_I	XTAL_27M_I - @ap_v1_lib.AP_V1	6B4					
	YOUT	YOUT - @ap_v1_lib.AP_V1	6C7					
	Z2_BON_L<0>	Z2_BON_L<0> - @ap_v1_lib.AP_V1	13C6 13D3					
	Z2_BON_L<1>	Z2_BON_L<1> - @ap_v1_lib.AP_V1	13C6 13D3					
	Z2_BOOT_CFG<0>	Z2_BOOT_CFG<0> - @ap_v1_lib.AP_V1	13B8					
	Z2_B_ADDR<0>	Z2_B_ADDR<0> - @ap_v1_lib.AP_V1	13D3 13D6					
	Z2_B_ADDR<1>	Z2_B_ADDR<1> - @ap_v1_lib.AP_V1	13C6 13D3					
	Z2_B_ADDR<2>	Z2_B_ADDR<2> - @ap_v1_lib.AP_V1	13C6 13D3					
	Z2_HOST_INT*	Z2_HOST_INT* - @ap_v1_lib.AP_V1	13C6					
	Z2_PANEL_IN<0>	Z2_PANEL_IN<0> - @ap_v1_lib.AP_V1	13B3 13D8					
	Z2_PANEL_IN<1>	Z2_PANEL_IN<1> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<2>	Z2_PANEL_IN<2> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<3>	Z2_PANEL_IN<3> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<4>	Z2_PANEL_IN<4> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<5>	Z2_PANEL_IN<5> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<6>	Z2_PANEL_IN<6> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<7>	Z2_PANEL_IN<7> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<8>	Z2_PANEL_IN<8> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_PANEL_IN<9>	Z2_PANEL_IN<9> - @ap_v1_lib.AP_V1	13B3 13C8					
	Z2_RESET*	Z2_RESET* - @ap_v1_lib.AP_V1	13B6					
	Z2_VDD	Z2_VDD - @ap_v1_lib.AP_V1	13B8 13D7					
	Z2_VDDANA	Z2_VDDANA - @ap_v1_lib.AP_V1	13D7					
	Z2_VDDCORE	Z2_VDDCORE - @ap_v1_lib.AP_V1	13D7					
	Z2_VSTM_OUT<0>	Z2_VSTM_OUT<0> - @ap_v1_lib.AP_V1	13B3 13D1					
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	Z2_VSTM_OUT<2>	Z2_VSTM_OUT<2> - @ap_v1_lib.AP_V1	13B3 13D1					
	Z2_VSTM_OUT<3>	Z2_VSTM_OUT<3> - @ap_v1_lib.AP_V1	13B4 13D1					
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Z2_VSTM_OUT<11>	Z2_VSTM_OUT<11> - @ap_v1_lib.AP_V1	13B4 13C1						
Z2_VSTM_OUT<12>	Z2_VSTM_OUT<12> - @ap_v1_lib.AP_V1	13B4 13C1						
Z2_VSTM_OUT<13>	Z2_VSTM_OUT<13> - @ap_v1_lib.AP_V1	13B4 13C1						
Z2_VSTM_OUT<14>	Z2_VSTM_OUT<14> - @ap_v1_lib.AP_V1	13B4 13C1						
C								
B								
A								

	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_SFT25VF0808_WS ap_v1[5D4]					
	R182 RES_201 ap_v1[5D3]		ON					
	R220 RES_201 ap_v1[15B7]		U12 CD3272_NCP99 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 DDCDC_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_NUP412VP5_SOT9 53					
	R236 RES_201 ap_v1[15A8]		U27 BCM5974_BGA57_UFBGA ap_v1[13D7]					
	R237 RES_201 ap_v1[15B8]		U28 LT3460EDC_DFN ap_v1[13A7]					
	R238 RES_201 ap_v1[7A6]		U29 FLASH_16GX8_48P_TSOP -WELP-BGA					
	R239 RES_201 ap_v1[7A5]		U30 ISL59121_WLSCP9 ap_v1[6C6]					
	R240 RES_201 ap_v1[15A6]		U31 74AUP2G126_SOT833 ap_v1[15C7]					
	R241 RES_201 ap_v1[15A6]		U32 74AUP2G125_SOT833 ap_v1[15C7]					
	R242 RES_201 ap_v1[11C3]		U33 74AUP2G125_SOT833 ap_v1[15B5]					
	R243 RES_201 ap_v1[13A5]		U34 74AUP2G126_SOT833 ap_v1[15B5]					
	R244 RES_201 ap_v1[7A6]		U35 74LVC2G34_SOT891 ap_v1[15D6]					
	R245 RES_201 ap_v1[7A7]		U36 74LVC2G08_SOT833 ap_v1[8A5]					
	R246 RES_201 ap_v1[7A5]		U36 74LVC2G08_SOT833 ap_v1[9A6]					
	R247 RES_201 ap_v1[7A4]		U37 74LVC1G157_SOT891 ap_v1[15B7]					
	RP2 RPAK4P_4X0201-HF ap_v1[4D7]		U38 74LVC1G157_SOT891 ap_v1[15A7]					
	RP3 RPAK4P_4X0201-HF ap_v1[4B5]		U39 74LVC2G34_SOT891 ap_v1[15D6]					
	S1 SWI_LM34902_USMD ap_v1[11B3]		U40 74AUP1T97_SOT891 ap_v1[5D7]					
	SH1 SHLD_LP_SM ap_v1[15B2]		U41 74AUP1T97_SOT891 ap_v1[5D7]					
	SH2 SHLD_LP_SM ap_v1[15A2]		U42 74AUP1T97_SOT891 ap_v1[5C7]					
	SH3 SHLD_LP_SM ap_v1[15B1]		U59 H1_N82_BGA ap_v1[2C5]					
	SH4 SHLD_LP_SM ap_v1[15A1]		U59 H1_N82_BGA ap_v1[3C6]					
	SH5 SHLD_LP_SM ap_v1[15A2]		U59 H1_N82_BGA ap_v1[4D4 4D6]					
	SL1 SLOT_TH ap_v1[15B3]		U59 H1_N82_BGA ap_v1[5B6]					
	SL2 SLOT_TH ap_v1[15B3]		U59 H1_N82_BGA ap_v1[6C4]					
	SL3 SLOT_TH ap_v1[15A3]		VR1 VREG_LP3986_BGA ap_v1[14B2]					
	SL4 SLOT_TH ap_v1[15A3]		VR2 LREG_LP1022_WLSCP4					
	SL5 SLOT_TH ap_v1[15A3]		XW1 SHORT_SHORT-0201 ap_v1[2D6]					
	SL6 SLOT_TH ap_v1[15A3]		XW2 SHORT_SHORT-0201 ap_v1[15D2]					
	SL7 SMT_PAD_SM-NSP ap_v1[15C4]		XW3 SHORT_SHORT-0201 ap_v1[15D2]					
	SL8 SMT_PAD_SM-NSP ap_v1[15C4]		XW4 SHORT_SHORT-0201 ap_v1[15D2]					
	SL9 SMT_PAD_SM-NSP ap_v1[15B4]		XW5 SHORT_SHORT-0201 ap_v1[15D2]					
	SL10 SMT_PAD_SM-NSP ap_v1[15B4]		XW6 SHORT_SHORT-0201 ap_v1[2D3]					
	SL11 SMT_PAD_SM-NSP ap_v1[15B4]		XW7 SHORT_SHORT-0201-NSM ap_v1[2D3]					
	SL12 MTGHOLE ap_v1[15B4]		XW8 SHORT_SHORT-0201 ap_v1[2D3]					
	SL13 MTGHOLE ap_v1[15B4]		XW9 SHORT_SHORT-0201-NSM ap_v1[9A3]					
	TP1 TP_TP-P6 ap_v1[16D7]		XW10 SHORT_SHORT-0201-NSM ap_v1[4C5]					
	TP2 TP_TP-P6 ap_v1[16D7]		XW11 SHORT_SHORT-0201 ap_v1[4D3]					
	TP3 TP_TP-P6 ap_v1[16D7]		XW12 SHORT_SHORT-0201 ap_v1[13B6]					
	TP5 TP_TP-P6 ap_v1[16C7]		XW18 SHORT_SHORT-0201 ap_v1[13C5]					
	TP6 TP_TP-P6 ap_v1[16C7]		XW21 SHORT_SHORT-0201-NSM ap_v1[14D4]					
	TP7 TP_TP-P6 ap_v1[16C4]		XW22 SHORT_SHORT-0201 ap_v1[14B3]					
	TP8 TP_TP-P6 ap_v1[16C7]		XW23 SHORT_SM ap_v1[9B6]					
	TP9 TP_TP-P6 ap_v1[16B7]		XW25 SHORT_SM ap_v1[9C4]					
	TP10 TP_TP-P6 ap_v1[16B7]		XW26 SHORT_SM ap_v1[9C4]					
	TP11 TP_TP-P6 ap_v1[16B7]		XW33 SHORT_SHORT-0201 ap_v1[13B5]					
	TP12 TP_TP-P6 ap_v1[16C7]		XW34 SHORT_SHORT-0201 ap_v1[13B5]					
	TP13 TP_TP-P6 ap_v1[16C7]		XW35 SHORT_SHORT-0201 ap_v1[13C5]					
	TP14 TP_TP-1P0-TOP ap_v1[16C2]		XW36 SHORT_SHORT-0201 ap_v1[13C5]					
	TP15 TP_TP-P6 ap_v1[16B7]		XW41 SHORT_SM ap_v1[10C4]					
	TP16 TP_TP-P6 ap_v1[16B7]		XW43 SHORT_SHORT-0201-NSM ap_v1[2C8]					
	TP17 TP_TP-P6 ap_v1[16D5]		XW44 SHORT_SHORT-0201-NSM ap_v1[9C7]					
	TP19 TP_TP-P6 ap_v1[16D5]		XW50 SHORT_SHORT-0201-NSM ap_v1[8D6]					
	TP20 TP_TP-P6 ap_v1[16A2]		XW51 SHORT_SHORT-0201-NSM ap_v1[8D6]					
	TP21 TP_TP-P6 ap_v1[16C5]		Y1 CRYSTAL_4PIN_SM-2 ap_v1[2A6]					
	TP22 TP_TP-P6 ap_v1[16C5]		Y3 CRYSTAL_3_2X1.5X.6-S ap_v1[9C8]					
	TP23 TP_TP-P6 ap_v1[16C5]		M					
	TP24 TP_TP-P6 ap_v1[16A2]							
	TP25 TP_TP-P6 ap_v1[16B5]							
	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]							
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	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]							
A								
B								
C								
D								

N82 HSDPA RADIO


EVT3B - 02/15/08:BRD REV10

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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

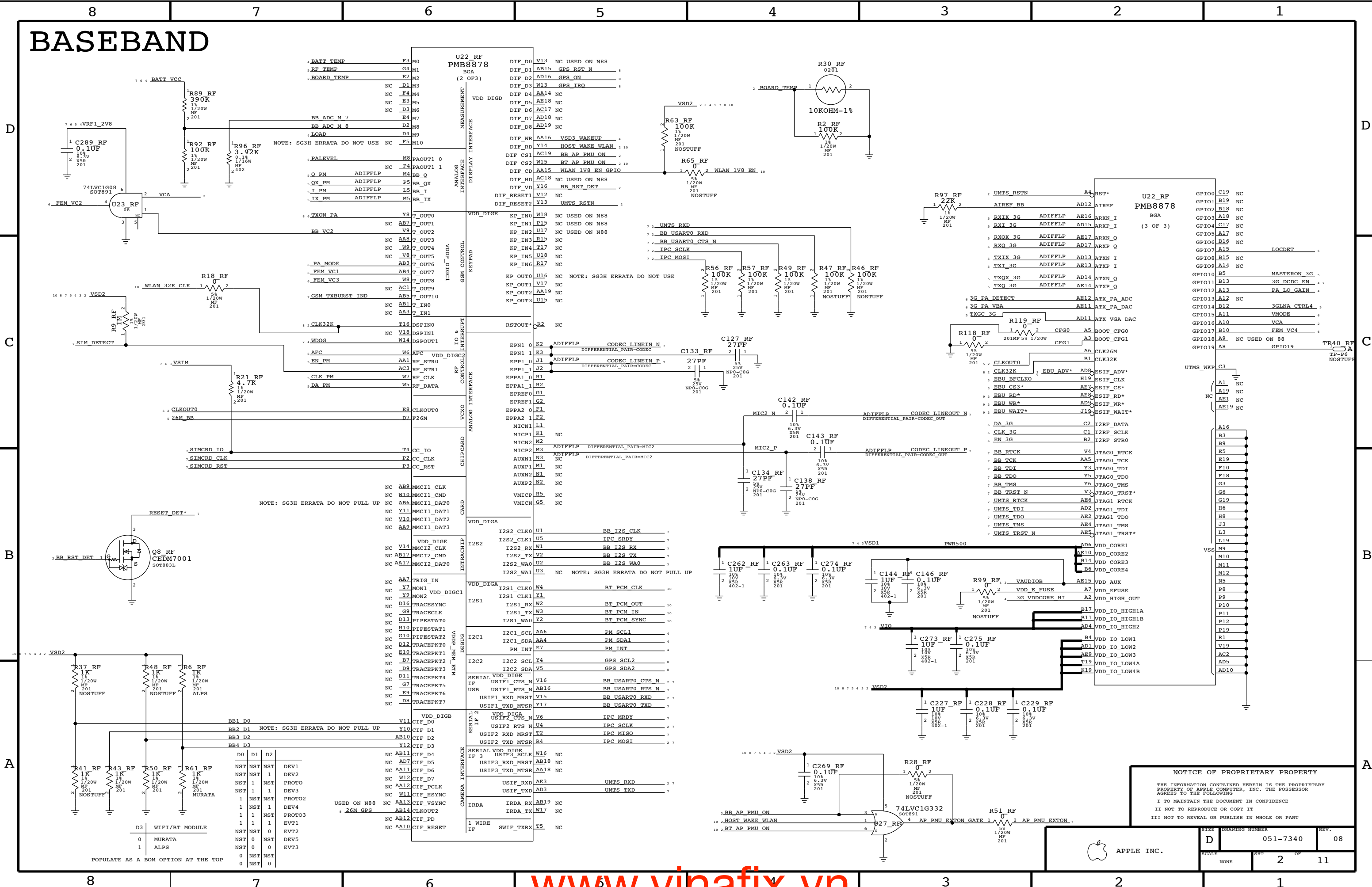
BOARD - 820-2186
SCHEMATIC - 051-7340
BOM - 630-8772

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: Y5K(8GB), YEU(16GB)	EEE:Y5K	Y	

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	SCALE	NONE	SHT	1	OF	11

BASEBAND

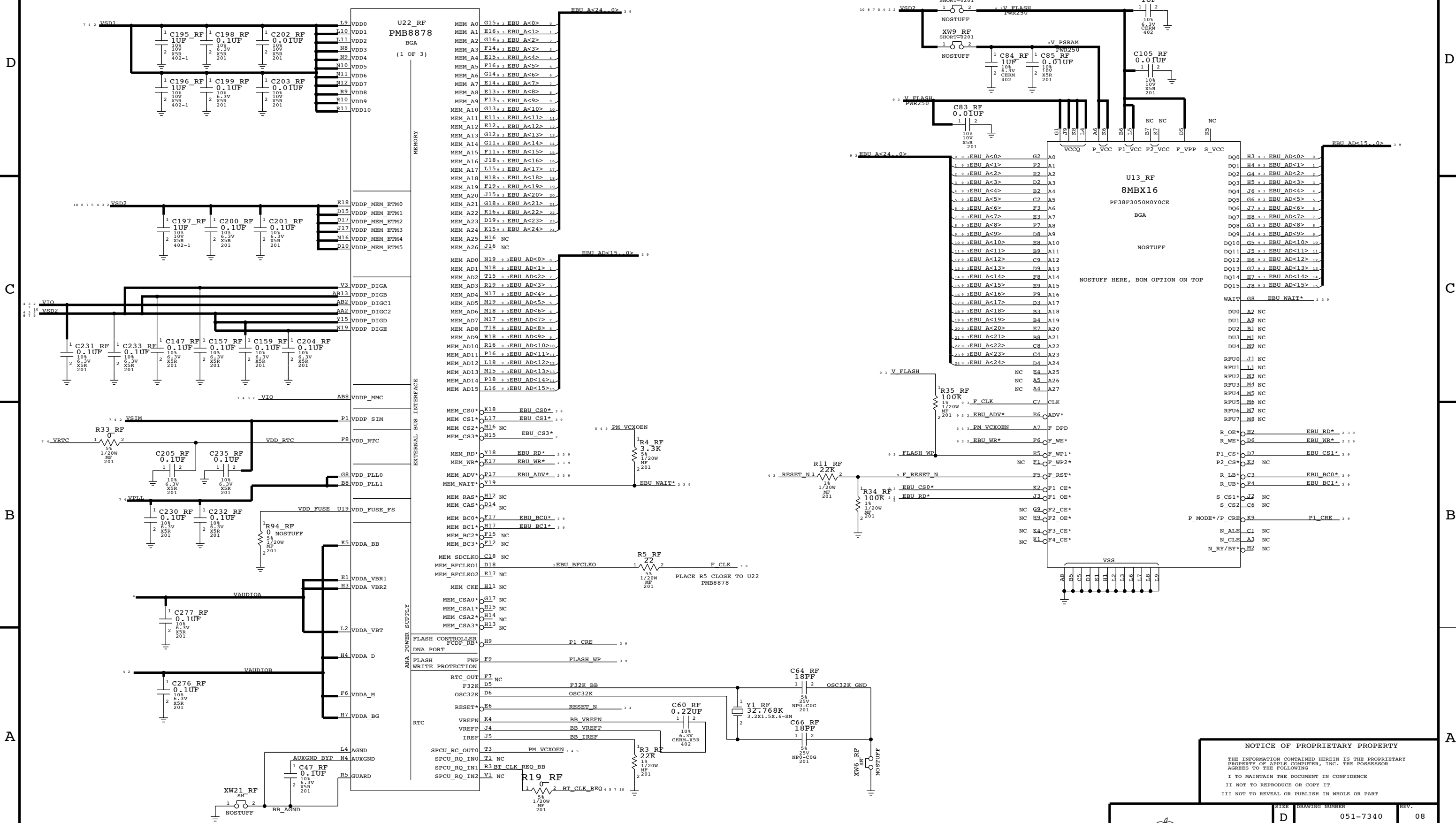


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SCALE	D	DRAWING NUMBER	051-7340	REV.	08
	NONE	SHT	2	OF	11

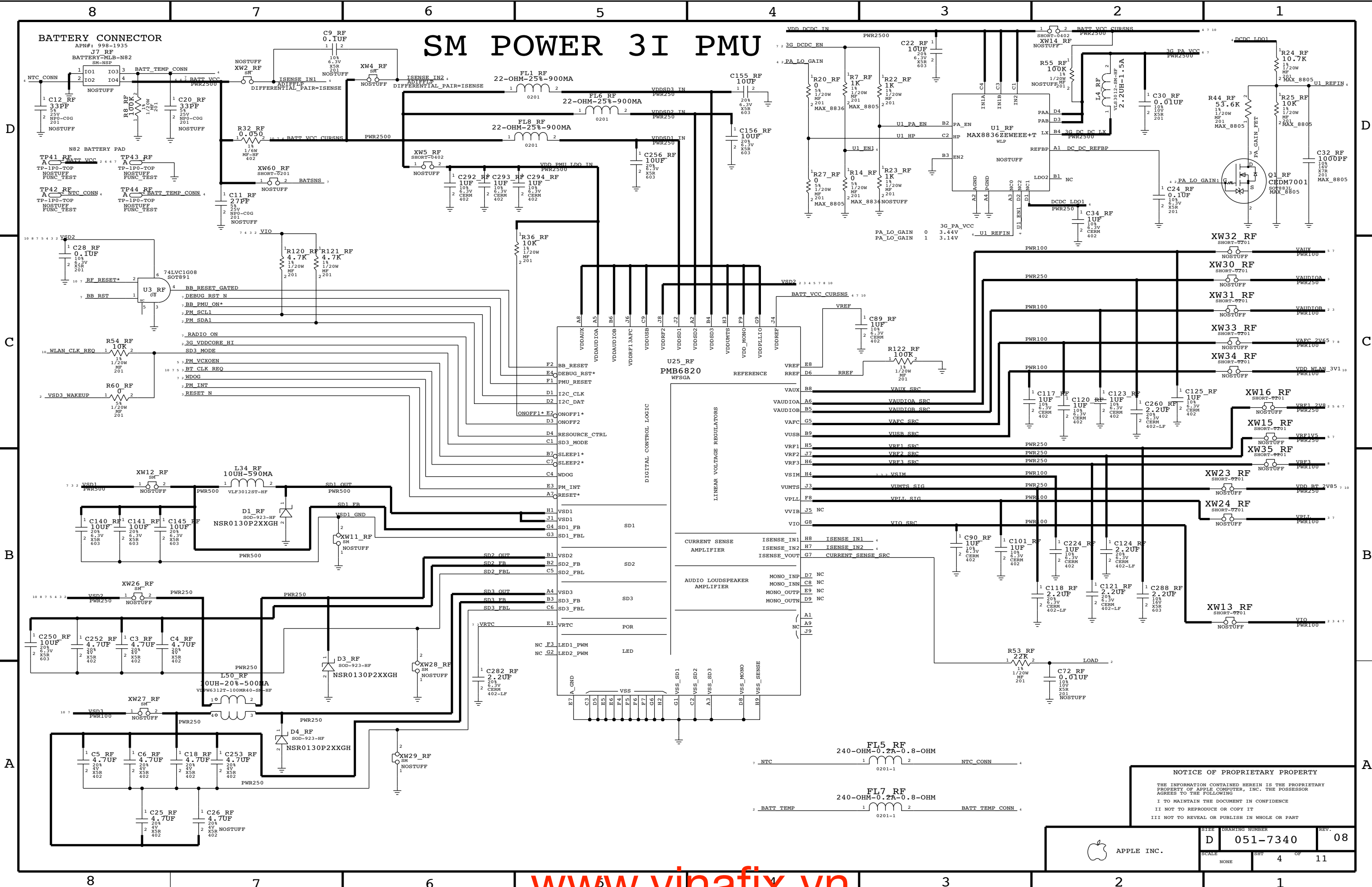
BASEBAND/RADIO MEM



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	NONE	3	11	08

SM POWER 3I PMU

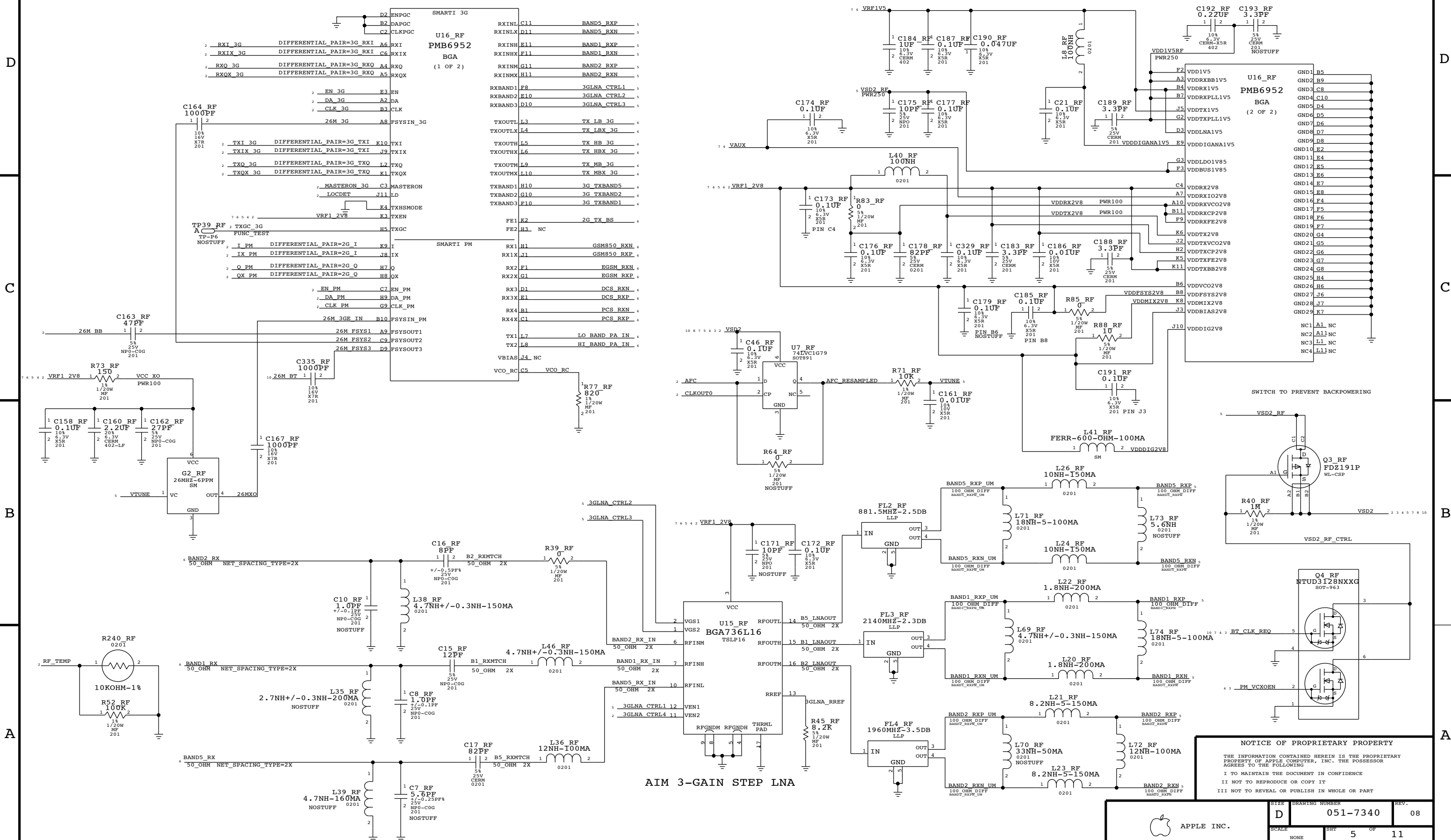


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SCALE	DRAWING NUMBER	REV.
NONE	D 051-7340	08
SHEET		OF
4		11

GSM & UMTS TRANSCIVER - SMARTI 3GE

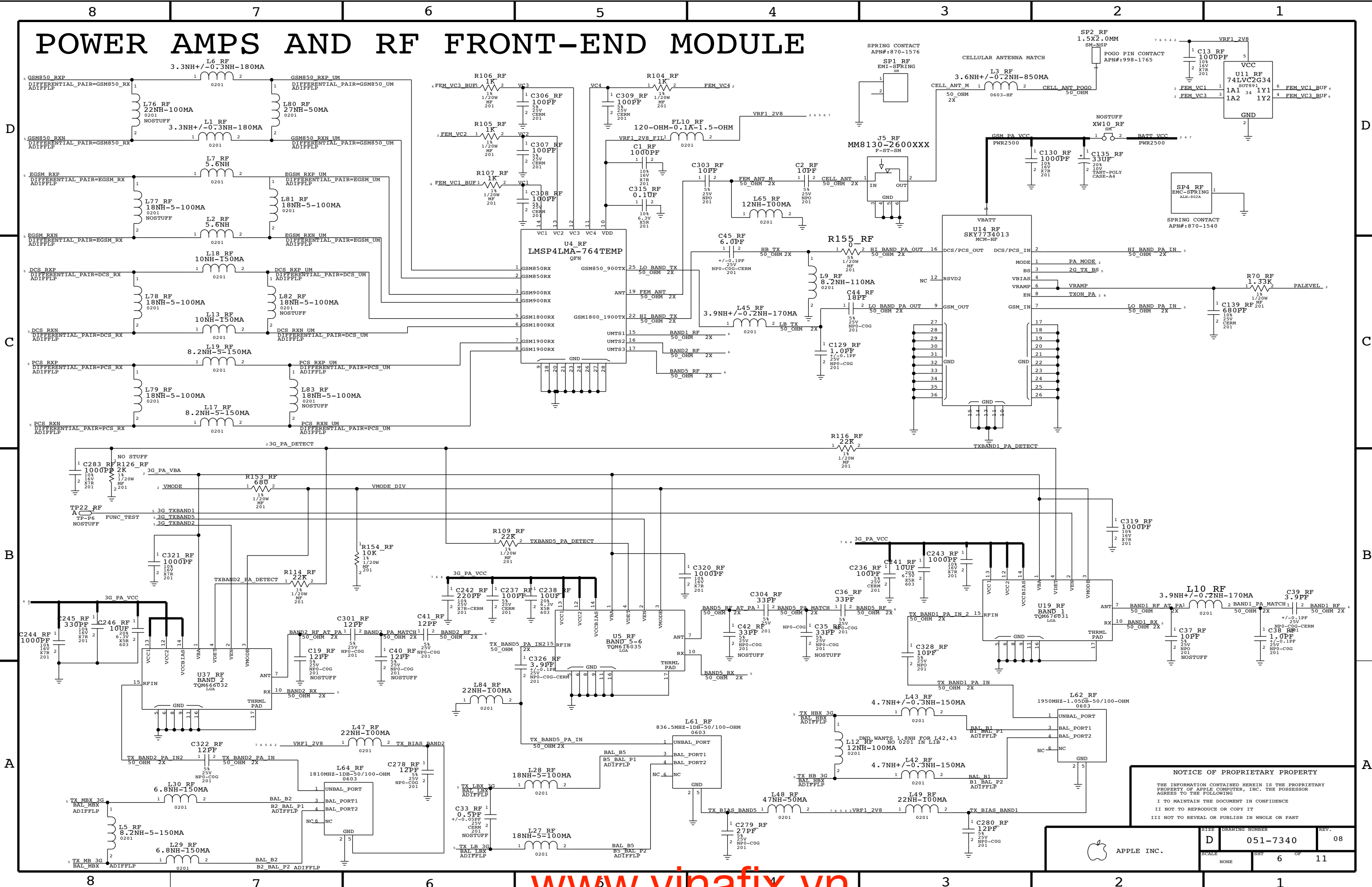
SMARTI3GE SUPPLIES



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SCALE	SHEET	OF
NONE	5	11

POWER AMPS AND RF FRONT-END MODULE



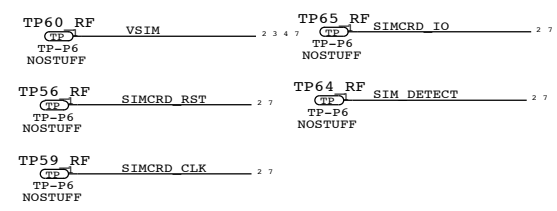
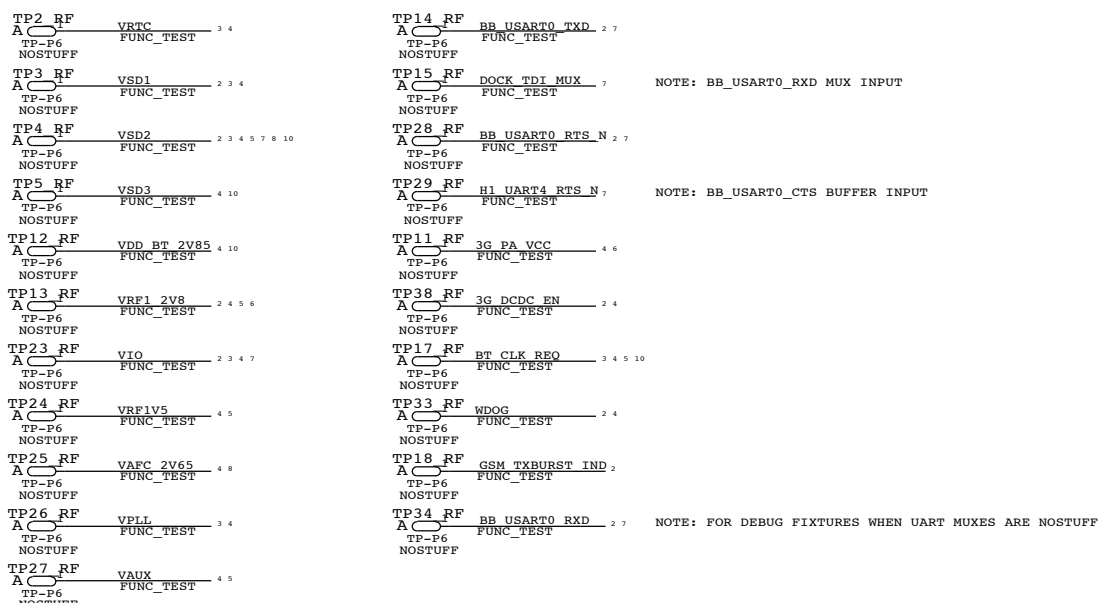
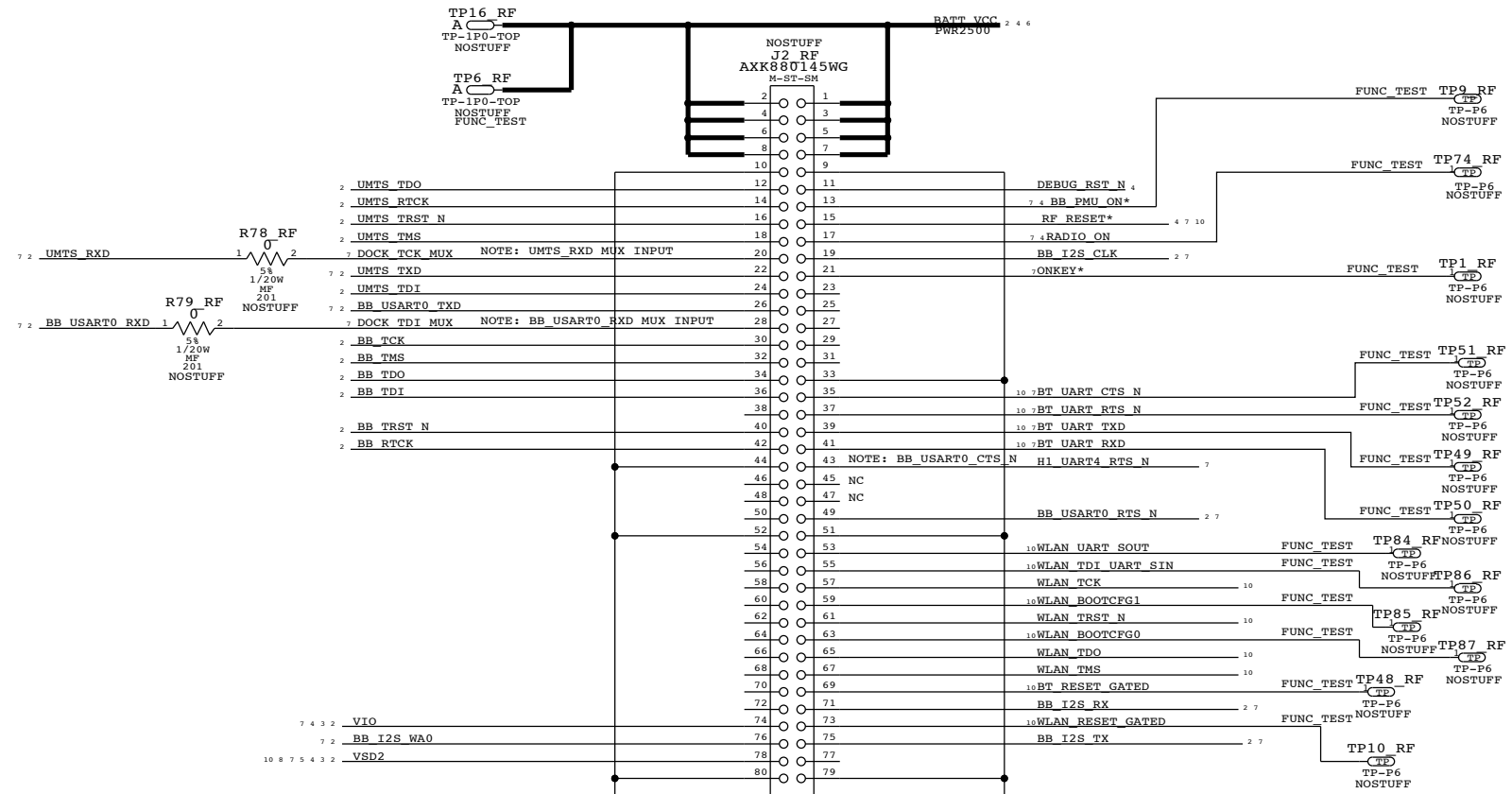
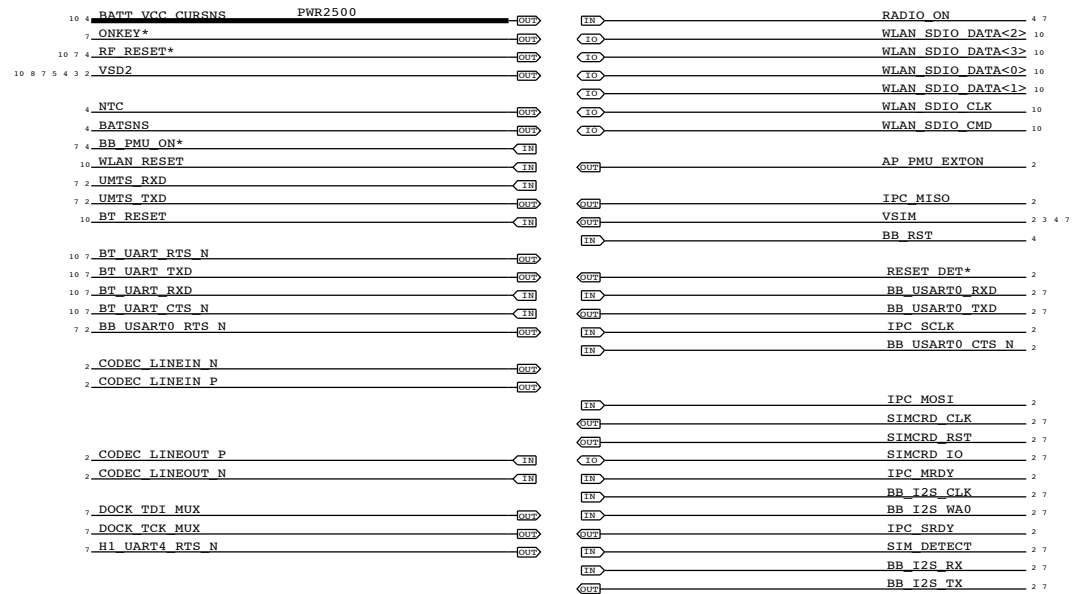
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D	051-7340	08
SCALE	SHEET	OF
NONE	6	11

SYSTEM CONNECTORS

AP CONNECTIONS

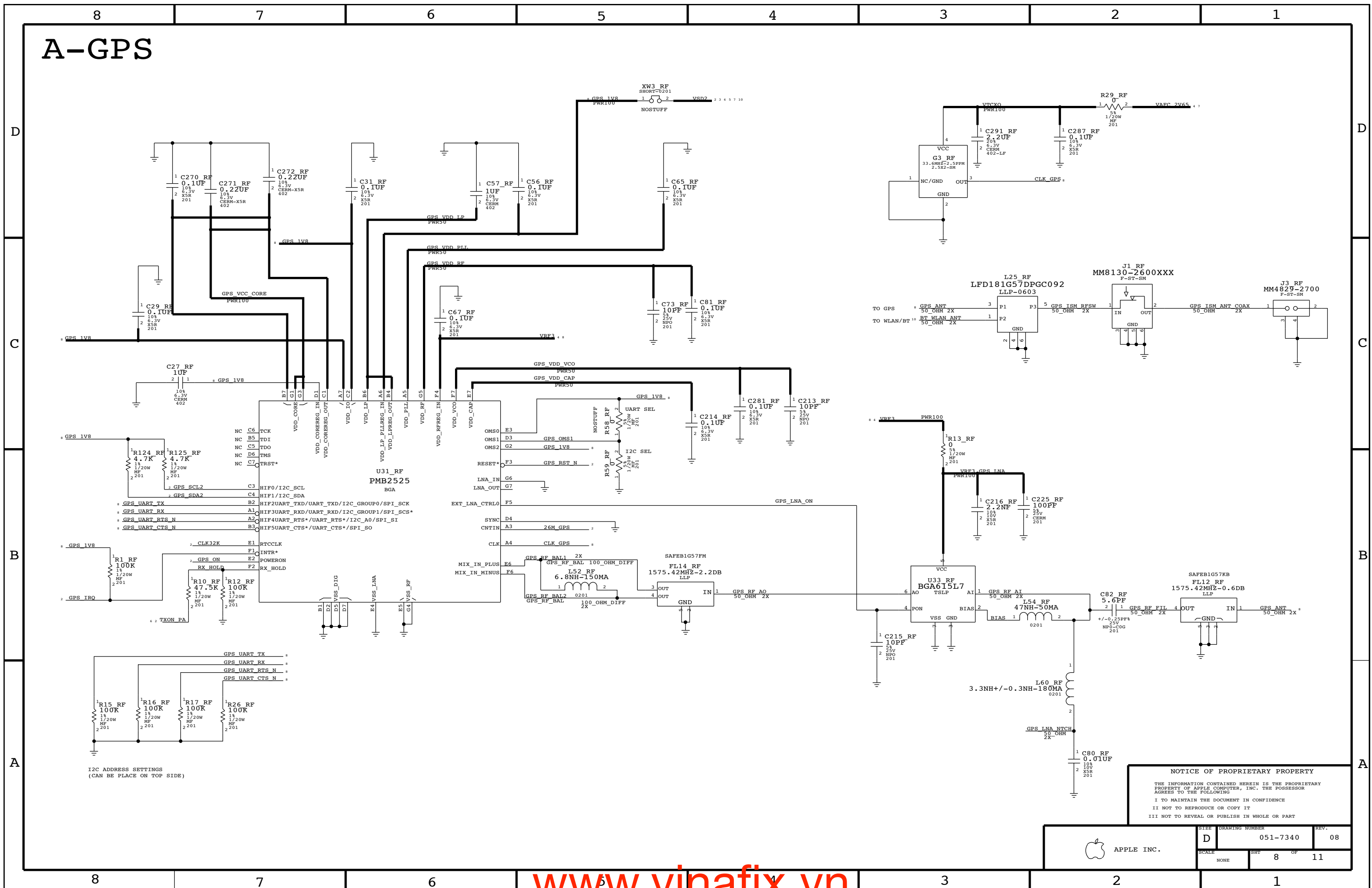
DEBUG CONNECTOR 516S0612



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	D	051-7340	08
SCALE	SHEET		OF
NONE	7		11

A-GPS



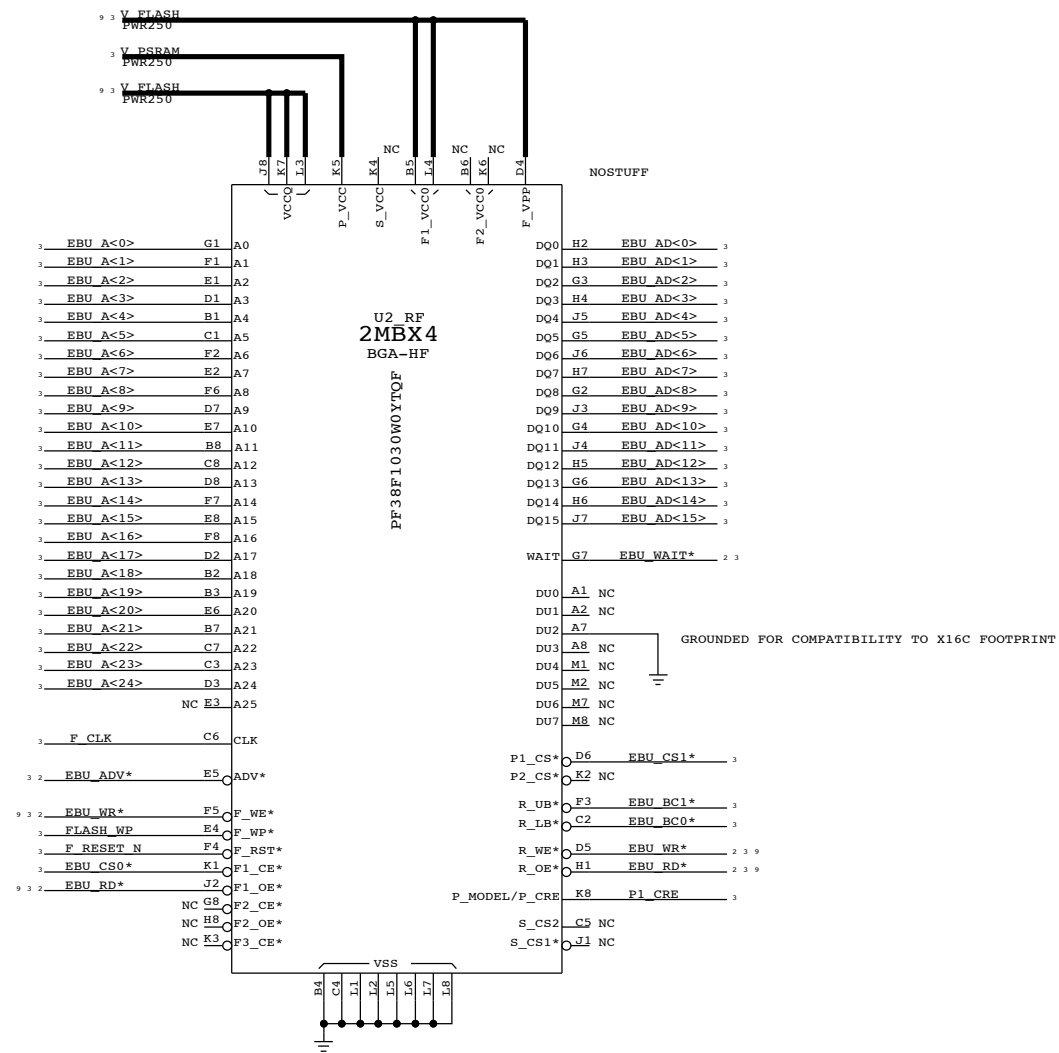
I2C ADDRESS SETTINGS
(CAN BE PLACE ON TOP SIDE)

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			08
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DUAL FOOTPRINTED LOW-COST MEMORY OPTION



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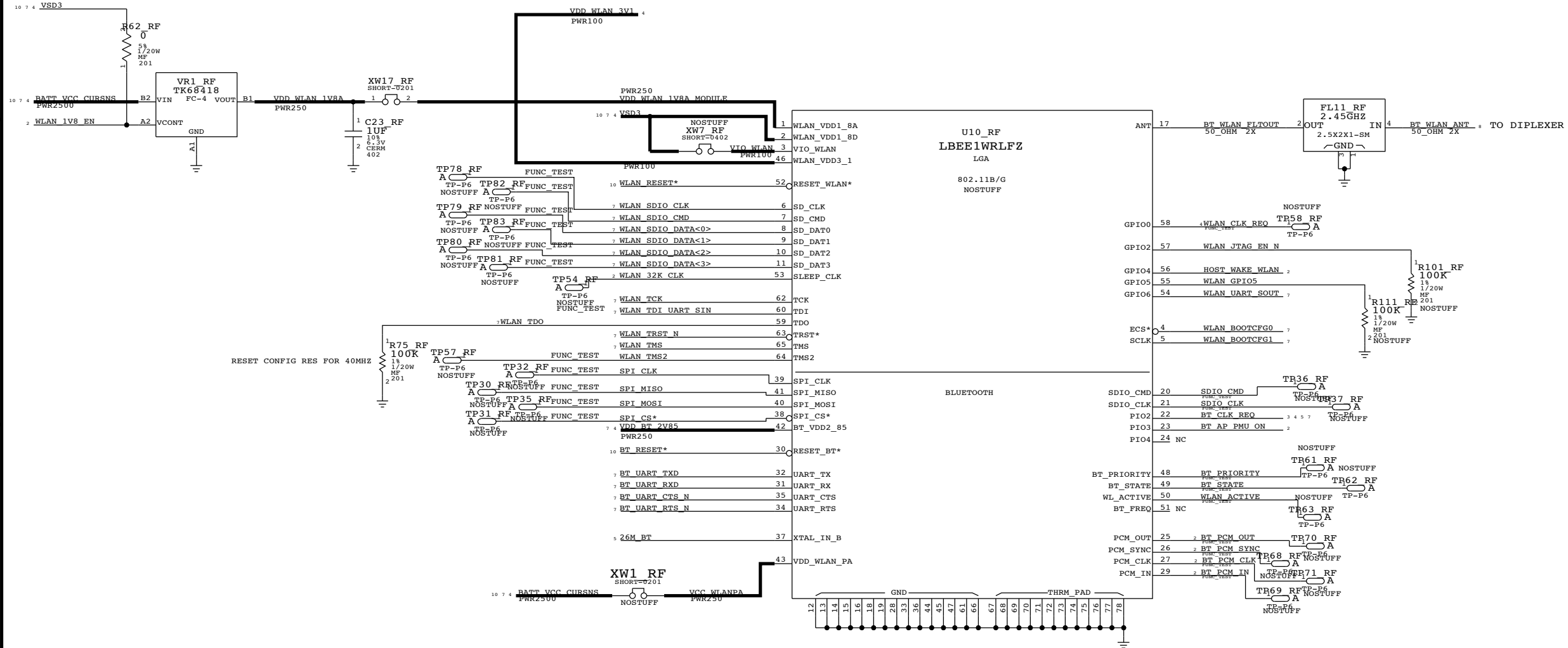
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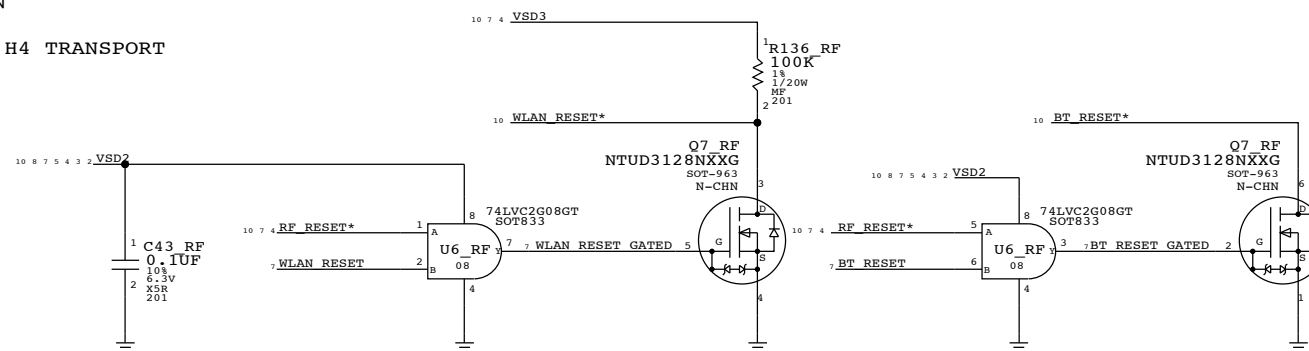
SIZE	DRAWING NUMBER	REV.
D	051-7340	08
SCALE	SHT	OF
NONE	9	11

WLAN RADIO



HOST TRANSPORT CONFIGURATION
MODULE CONFIGURED INTERNALLY FOR H4 TRANSPORT

TO ALLOW AP TO USE ACTIVE HIGH



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APPLE INC.	SCALE	DRAWING NUMBER	REV.
	NONE	D 051-7340	08
		SHT	OF
		10	11

Title: Basenet Report	
Design: radio_proto	
Date: Feb 15 9:18:04 2008	
Base nets and synonyms for radio_proto.lib.RADIO_PROTO@radio_proto.lib.radio_proto(sch_1)	
Base Signal	Location((Zone) dir))
Synonyms	
2G_TX_BS	2G_TX_BS - 5C5 6C2
3GLNA_CTRL1	@radio_proto.lib.RADIO_PROTO 3GLNA_CTRL1 - 5A5 5D5
3GLNA_CTRL2	@radio_proto.lib.RADIO_PROTO 3GLNA_CTRL2 - 5B5 5D5
3GLNA_CTRL3	@radio_proto.lib.RADIO_PROTO 3GLNA_CTRL3 - 5B5 5D5
3GLNA_CTRL4	@radio_proto.lib.RADIO_PROTO 3GLNA_CTRL4 - 2C1 5A5
3GLNA_RREF	@radio_proto.lib.RADIO_PROTO 3GLNA_RREF - 5A4
3G_DCCD_EN	@radio_proto.lib.RADIO_PROTO 3G_DCCD_EN - 2C1 4D4 7A6
3G_DC_DC_LX	@radio_proto.lib.RADIO_PROTO 3G_DC_DC_LX - 4D2
3G_PA_DETECT	@radio_proto.lib.RADIO_PROTO 3G_PA_DETECT - 2C3 6B7
3G_PA_VBA	@radio_proto.lib.RADIO_PROTO 3G_PA_VBA - 2C3 6B8
3G_PA_VCC	@radio_proto.lib.RADIO_PROTO 3G_PA_VCC - 4D1 6B4 6B6 6B8 7A6
3G_TXBAND1	@radio_proto.lib.RADIO_PROTO 3G_TXBAND1 - 5C5 6B8
3G_TXBAND2	@radio_proto.lib.RADIO_PROTO 3G_TXBAND2 - 5C5 6B8
3G_TXBAND5	@radio_proto.lib.RADIO_PROTO 3G_TXBAND5 - 5C5 6B8
3G_VDDCORE_HI	@radio_proto.lib.RADIO_PROTO 3G_VDDCORE_HI - 2B3 4C7
26MXO	@radio_proto.lib.RADIO_PROTO 26MXO - 5B7
26M_3G	@radio_proto.lib.RADIO_PROTO 26M_3G - 5D7
26M_3GE_IN	@radio_proto.lib.RADIO_PROTO 26M_3GE_IN - 5C7
26M_BB	@radio_proto.lib.RADIO_PROTO 26M_BB - 2C8 5C8
26M_BT	@radio_proto.lib.RADIO_PROTO 26M_BT - 5C7 10B6
26M_FSYS1	@radio_proto.lib.RADIO_PROTO 26M_FSYS1 - 5C7
26M_FSYS2	@radio_proto.lib.RADIO_PROTO 26M_FSYS2 - 5C7
26M_FSYS3	@radio_proto.lib.RADIO_PROTO 26M_FSYS3 - 5C7
26M_GPS	@radio_proto.lib.RADIO_PROTO 26M_GPS - 2A6 8B5
AFC	@radio_proto.lib.RADIO_PROTO AFC - 2C7 5B5
AFC_RESAMPLED	@radio_proto.lib.RADIO_PROTO AFC_RESAMPLED - 5B4
AIREF_BB	@radio_proto.lib.RADIO_PROTO AIREF_BB - 2D3
AP_PMU_EXTON	@radio_proto.lib.RADIO_PROTO AP_PMU_EXTON - 2A2 7C5
AP_PMU_EXTON_GATE	@radio_proto.lib.RADIO_PROTO AP_PMU_EXTON_GATE - 2A3
AUXGND_BYP	@radio_proto.lib.RADIO_PROTO AUXGND_BYP - 3A7
B1_BAL_P1	@radio_proto.lib.RADIO_PROTO B1_BAL_P1 - 6A3
B1_BAL_P2	@radio_proto.lib.RADIO_PROTO B1_BAL_P2 - 6A3
B1_LNAOUT	@radio_proto.lib.RADIO_PROTO B1_LNAOUT - 5A4
B1_RXMTCH	@radio_proto.lib.RADIO_PROTO B1_RXMTCH - 5A6
B2_BAL_P1	@radio_proto.lib.RADIO_PROTO B2_BAL_P1 - 6A7
B2_BAL_P2	@radio_proto.lib.RADIO_PROTO B2_BAL_P2 - 6A7
B2_LNAOUT	@radio_proto.lib.RADIO_PROTO B2_LNAOUT - 5A4
B2_RXMTCH	@radio_proto.lib.RADIO_PROTO B2_RXMTCH - 5B6
B5_BAL_P1	@radio_proto.lib.RADIO_PROTO B5_BAL_P1 - 6A5
B5_BAL_P2	@radio_proto.lib.RADIO_PROTO B5_BAL_P2 - 6A5
B5_LNAOUT	@radio_proto.lib.RADIO_PROTO B5_LNAOUT - 5A4
B5_RXMTCH	@radio_proto.lib.RADIO_PROTO B5_RXMTCH - 5A6
BAND1_PA_MATCH	@radio_proto.lib.RADIO_PROTO BAND1_PA_MATCH - 6B1
BAND1_RF	@radio_proto.lib.RADIO_PROTO BAND1_RF - 6B1 6C4
BAND1_RF_AT_PA	@radio_proto.lib.RADIO_PROTO BAND1_RF_AT_PA - 6B2
BAND1_RX	@radio_proto.lib.RADIO_PROTO BAND1_RX - 5A7 6B2
BAND1_RXN	@radio_proto.lib.RADIO_PROTO BAND1_RXN - 5A2 5D5
BAND1_RXN_UM	@radio_proto.lib.RADIO_PROTO BAND1_RXN_UM - 5A3
BAND1_RXP	@radio_proto.lib.RADIO_PROTO BAND1_RXP - 5B2 5D5
BAND1_RXP_UM	@radio_proto.lib.RADIO_PROTO BAND1_RXP_UM - 5B3
BAND1_RX_IN	@radio_proto.lib.RADIO_PROTO BAND1_RX_IN - 5A5
BAND2_PA_MATCH	@radio_proto.lib.RADIO_PROTO BAND2_PA_MATCH - 6B6
BAND2_RF	@radio_proto.lib.RADIO_PROTO BAND2_RF - 6B6 6C4
BAND2_RF_AT_PA	@radio_proto.lib.RADIO_PROTO BAND2_RF_AT_PA - 6B7
BAND2_RX	@radio_proto.lib.RADIO_PROTO BAND2_RX - 5B7 6A7
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BAND2_RXP_UM	@radio_proto.lib.RADIO_PROTO BAND2_RXP_UM - 5A3

BAND2_RX_IN	@radio_proto.lib.RADIO_PROTO BAND2_RX_IN - 5A5
BAND5_PA_MATCH	@radio_proto.lib.RADIO_PROTO BAND5_PA_MATCH - 6B4
BAND5_RF	@radio_proto.lib.RADIO_PROTO BAND5_RF - 6B3 6C4
BAND5_RF_AT_PA	@radio_proto.lib.RADIO_PROTO BAND5_RF_AT_PA - 6B4
BAND5_RX	@radio_proto.lib.RADIO_PROTO BAND5_RX - 5A7 6A4
BAND5_RXN	@radio_proto.lib.RADIO_PROTO BAND5_RXN - 5B2 5D5
BAND5_RXN_UM	@radio_proto.lib.RADIO_PROTO BAND5_RXN_UM - 5B3
BAND5_RXP	@radio_proto.lib.RADIO_PROTO BAND5_RXP - 5B2 5D5
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BAND5_RX_IN	@radio_proto.lib.RADIO_PROTO BAND5_RX_IN - 5A5
BATSNS	@radio_proto.lib.RADIO_PROTO BATSNS - 4D7 7C8
BATT_TEMP	@radio_proto.lib.RADIO_PROTO BATT_TEMP - 2D7 4A4
BATT_TEMP_CONN	@radio_proto.lib.RADIO_PROTO BATT_TEMP_CONN - 4A3 4D7 4D7
BATT_VCC	@radio_proto.lib.RADIO_PROTO BATT_VCC - 2D8 4D7 4D8 6D2 7C2
BATT_VCC_CURSNS	@radio_proto.lib.RADIO_PROTO BATT_VCC_CURSNS - 4C4 4D1 4D7 7C8 10B6 10C8
BB1_D0	@radio_proto.lib.RADIO_PROTO BB1_D0 - 2A7
BB2_D1	@radio_proto.lib.RADIO_PROTO BB2_D1 - 2A7
BB3_D2	@radio_proto.lib.RADIO_PROTO BB3_D2 - 2A7
BB4_D3	@radio_proto.lib.RADIO_PROTO BB4_D3 - 2A7
BB_ADC_M_7	@radio_proto.lib.RADIO_PROTO BB_ADC_M_7 - 2D7
BB_ADC_M_8	@radio_proto.lib.RADIO_PROTO BB_ADC_M_8 - 2D7
BB_AGND	@radio_proto.lib.RADIO_PROTO BB_AGND - 3A7
BB_AP_PMU_ON	@radio_proto.lib.RADIO_PROTO BB_AP_PMU_ON - 2A4 2D5
BB_I2S_CLK	@radio_proto.lib.RADIO_PROTO BB_I2S_CLK - 2B5 7B5 7C2
BB_I2S_RX	@radio_proto.lib.RADIO_PROTO BB_I2S_RX - 2B5 7B1 7B5
BB_I2S_TX	@radio_proto.lib.RADIO_PROTO BB_I2S_TX - 2B5 7B1 7B5
BB_I2S_WA0	@radio_proto.lib.RADIO_PROTO BB_I2S_WA0 - 2B5 7B4 7B5
BB_IREF	@radio_proto.lib.RADIO_PROTO BB_IREF - 3A5
BB_PMU_ON*	@radio_proto.lib.RADIO_PROTO BB_PMU_ON* - 4C7 7C2 7C8
BB_RESET_GATED	@radio_proto.lib.RADIO_PROTO BB_RESET_GATED - 4C7
BB_RST	@radio_proto.lib.RADIO_PROTO BB_RST - 4C8 7C5
BB_RST_DET	@radio_proto.lib.RADIO_PROTO BB_RST_DET - 2B8 2D5
BB_RTCK	@radio_proto.lib.RADIO_PROTO BB_RTCK - 2B3 7C4
BB_TCK	@radio_proto.lib.RADIO_PROTO BB_TCK - 2B3 7C4
BB_TDI	@radio_proto.lib.RADIO_PROTO BB_TDI - 2B3 7C4
BB_TDO	@radio_proto.lib.RADIO_PROTO BB_TDO - 2B3 7C4
BB_TMS	@radio_proto.lib.RADIO_PROTO BB_TMS - 2B3 7C4
BB_TRST_N	@radio_proto.lib.RADIO_PROTO BB_TRST_N - 2B3 7C4
BB_USART0_CTS_N	@radio_proto.lib.RADIO_PROTO BB_USART0_CTS_N - 2A5 2C5 7C5
BB_USART0_RTS_N	@radio_proto.lib.RADIO_PROTO BB_USART0_RTS_N - 2A5 7B1 7B6 7C8
BB_USART0_RXD	@radio_proto.lib.RADIO_PROTO BB_USART0_RXD - 2A5 2C5 7A6 7C5 7C5
BB_USART0_TXD	@radio_proto.lib.RADIO_PROTO BB_USART0_TXD - 2A5 7B6 7C4 7C5
BB_VC2	@radio_proto.lib.RADIO_PROTO BB_VC2 - 2C7
BB_VREFN	@radio_proto.lib.RADIO_PROTO BB_VREFN - 3A5
BB_VREFP	@radio_proto.lib.RADIO_PROTO BB_VREFP - 3A5
BIAS	@radio_proto.lib.RADIO_PROTO BIAS - 8B3
BOARD_TEMP	@radio_proto.lib.RADIO_PROTO BOARD_TEMP - 2D4 2D7
BT_AP_PMU_ON	@radio_proto.lib.RADIO_PROTO BT_AP_PMU_ON - 2A4 2D5 10B3
BT_CLK_REQ	@radio_proto.lib.RADIO_PROTO BT_CLK_REQ - 3A5 4C7 5A2 7A6 10B3
BT_CLK_REQ_BB	@radio_proto.lib.RADIO_PROTO BT_CLK_REQ_BB - 3A6
BT_PCM_CLK	@radio_proto.lib.RADIO_PROTO BT_PCM_CLK - 2B5 10B4
BT_PCM_IN	@radio_proto.lib.RADIO_PROTO BT_PCM_IN - 2B5 10B4
BT_PCM_OUT	@radio_proto.lib.RADIO_PROTO BT_PCM_OUT - 2B5 10B4
BT_PCM_SYNC	@radio_proto.lib.RADIO_PROTO BT_PCM_SYNC - 2B5 10B4
BT_PRIORITY	@radio_proto.lib.RADIO_PROTO BT_PRIORITY - 10B4
BT_RESET	@radio_proto.lib.RADIO_PROTO BT_RESET - 7C8 10A4
BT_RESET*	@radio_proto.lib.RADIO_PROTO BT_RESET* - 10A3 10B6
BT_RESET_GATED	@radio_proto.lib.RADIO_PROTO BT_RESET_GATED - 7B2 10A3
BT_STATE	@radio_proto.lib.RADIO_PROTO BT_STATE - 10B4
BT_UART_CTS_N	@radio_proto.lib.RADIO_PROTO BT_UART_CTS_N - 7C2 7C8 10B6
BT_UART_RTS_N	@radio_proto.lib.RADIO_PROTO BT_UART_RTS_N - 7C2 7C8 10B6
BT_UART_RXD	@radio_proto.lib.RADIO_PROTO BT_UART_RXD - 7C2 7C8 10B6

BT_UART_TXD	@radio_proto.lib.RADIO_PROTO BT_UART_TXD - 7C2 7C8 10B6
BT_WLAN_ANT	@radio_proto.lib.RADIO_PROTO BT_WLAN_ANT - 8C3 10C2
BT_WLAN_FLTOUT	@radio_proto.lib.RADIO_PROTO BT_WLAN_FLTOUT - 10C4
CELL_ANT	@radio_proto.lib.RADIO_PROTO CELL_ANT - 6D4
CELL_ANT_M	@radio_proto.lib.RADIO_PROTO CELL_ANT_M - 6D3
CELL_ANT_POGO	@radio_proto.lib.RADIO_PROTO CELL_ANT_POGO - 6D2
CFG0	@radio_proto.lib.RADIO_PROTO CFG0 - 2C2
CFG1	@radio_proto.lib.RADIO_PROTO CFG1 - 2C2
CLK32K	@radio_proto.lib.RADIO_PROTO CLK32K - 2C3 2C7 8B7
CLKOUT0	@radio_proto.lib.RADIO_PROTO CLKOUT0 - 2C3 2C8 5B5
CLK_3G	@radio_proto.lib.RADIO_PROTO CLK_3G - 2B3 5D7
CLK_GPS	@radio_proto.lib.RADIO_PROTO CLK_GPS - 8B5 8D2
CLK_PM	@radio_proto.lib.RADIO_PROTO CLK_PM - 2C7 5C7
CODEC_LINEIN_N	@radio_proto.lib.RADIO_PROTO CODEC_LINEIN_N - 2C5 7C8
CODEC_LINEIN_P	@radio_proto.lib.RADIO_PROTO CODEC_LINEIN_P - 2C5 7C8
CODEC_LINEOUT_N	@radio_proto.lib.RADIO_PROTO CODEC_LINEOUT_N - 2C3 7B8
CODEC_LINEOUT_P	@radio_proto.lib.RADIO_PROTO CODEC_LINEOUT_P - 2B3 7B8
CURRENT_SENSE_SRC	@radio_proto.lib.RADIO_PROTO CURRENT_SENSE_SRC - 4B4
DA_3G	@radio_proto.lib.RADIO_PROTO DA_3G - 2C3 5D7
DA_PM	@radio_proto.lib.RADIO_PROTO DA_PM - 2C7 5C7
DCCD_LD01	@radio_proto.lib.RADIO_PROTO DCCD_LD01 - 4D1 4D2
DCS_RXN	@radio_proto.lib.RADIO_PROTO DCS_RXN - 5C5 6C8
DCS_RXN_UM	@radio_proto.lib.RADIO_PROTO DCS_RXN_UM - 6C7
DCS_RXP	@radio_proto.lib.RADIO_PROTO DCS_RXP - 5C5 6C8
DCS_RXP_UM	@radio_proto.lib.RADIO_PROTO DCS_RXP_UM - 6C7
DC_DC_REFBP	@radio_proto.lib.RADIO_PROTO DC_DC_REFBP - 4D2
DEBUG_RST_N	@radio_proto.lib.RADIO_PROTO DEBUG_RST_N - 4C7 7C2
DOCK_TCK_MUX	@radio_proto.lib.RADIO_PROTO DOCK_TCK_MUX - 7B8 7C4
DOCK_TDI_MUX	@radio_proto.lib.RADIO_PROTO DOCK_TDI_MUX - 7B6 7B8 7C4
EBU_A<0>	@radio_proto.lib.RADIO_PROTO EBU_A<0> - 3C3 3D6 9C5
EBU_A<24..0>	@radio_proto.lib.RADIO_PROTO EBU_A<24..0> - 3C4 3D5
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EBU_A<9>	@radio_proto.lib.RADIO_PROTO EBU_A<9> - 3C3 3D6 9C5
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EBU_AD<3>	@radio_proto.lib.RADIO_PROTO EBU_AD<3> - 3C2 3C6 9C4
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EBU_AD<6>	@radio_proto.lib.RADIO_PROTO EBU_AD<6> - 3C2 3C6 9C4

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EBU_AD<8>	@radio_proto.lib.RADIO_PROTO EBU_AD<8> - 3C2 3C6 9C4
EBU_AD<9>	@radio_proto.lib.RADIO_PROTO EBU_AD<9> - 3C2 3C6 9C4
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EBU_BC0*	@radio_proto.lib.RADIO_PROTO EBU_BC0* - 3B1 3B5 9B4
EBU_BC1*	@radio_proto.lib.RADIO_PROTO EBU_BC1* - 3B1 3B5 9B4
EBU_BFCLKO	@radio_proto.lib.RADIO_PROTO EBU_BFCLKO - 2C3 3B5
EBU_CS0*	@radio_proto.lib.RADIO_PROTO EBU_CS0* - 3B4 3B5 9B5
EBU_CS1*	@radio_proto.lib.RADIO_PROTO EBU_CS1* - 3B1 3B5 9B4
EBU_CS3*	@radio_proto.lib.RADIO_PROTO EBU_CS3* - 2C3 3B5
EBU_RD*	@radio_proto.lib.RADIO_PROTO EBU_RD* - 2C3 3B1 3B4 3B5 9B4 9B5
EBU_WAIT*	@radio_proto.lib.RADIO_PROTO EBU_WAIT* - 2C3 3B5 3C1 9B4
EBU_WR*	@radio_proto.lib.RADIO_PROTO EBU_WR* - 2C3 3B1 3B3 3B5 9B4 9B5
EGSM_RXN	@radio_proto.lib.RADIO_PROTO EGSM_RXN - 5C5 6C8
EGSM_RXN_UM	@radio_proto.lib.RADIO_PROTO EGSM_RXN_UM - 6C7
EGSM_RXP	@radio_proto.lib.RADIO_PROTO EGSM_RXP - 5C5 6D8
EGSM_RXP_UM	@radio_proto.lib.RADIO_PROTO EGSM_RXP_UM - 6D7
EN_3G	@radio_proto.lib.RADIO_PROTO EN_3G - 2B3 5D7
EN_PM	@radio_proto.lib.RADIO_PROTO EN_PM - 2C7 5C7
F32K_BB	@radio_proto.lib.RADIO_PROTO F32K_BB - 3A5
FEM_ANT	@radio_proto.lib.RADIO_PROTO FEM_ANT - 6C5
FEM_ANT_M	@radio_proto.lib.RADIO_PROTO FEM_ANT_M - 6D4
FEM_VC1	@radio_proto.lib.RADIO_PROTO FEM_VC1 - 2C7 6D2
FEM_VC1_BUF	@radio_proto.lib.RADIO_PROTO FEM_VC1_BUF - 6D1 6D6
FEM_VC2	@radio_proto.lib.RADIO_PROTO FEM_VC2 - 2D8 6D6
FEM_VC3	@radio_proto.lib.RADIO_PROTO FEM_VC3 - 2C7 6D2
FEM_VC3_BUF	@radio_proto.lib.RADIO_PROTO FEM_VC3_BUF - 6D1 6D6
FEM_VC4	@radio_proto.lib.RADIO_PROTO FEM_VC4 - 2C1 6D4
FLASH_WP	@radio_proto.lib.RADIO_PROTO FLASH_WP - 3A5 3B4 9B5
F_CLK	@radio_proto.lib.RADIO_PROTO F_CLK - 3B3 3B4 9B5
F_RESET_N	@radio_proto.lib.RADIO_PROTO F_RESET_N - 3B4 9B5
GPIO19	@radio_proto.lib.RADIO_PROTO GPIO19 - 2C1
GPS_V18	@radio_proto.lib.RADIO_PROTO GPS_V18 - 8B5 8B8 8B8 8C5 8C7 8C7
GPS_ANT	@radio_proto.lib.RADIO_PROTO GPS_ANT - 8C8 8D5
GPS_IRQ	@radio_proto.lib.RADIO_PROTO GPS_IRQ - 8B1 8C3
GPS_ISM_ANT_COAX	@radio_proto.lib.RADIO_PROTO GPS_ISM_ANT_COAX - 8C2
GPS_ISM_RFSW	@radio_proto.lib.RADIO_PROTO GPS_ISM_RFSW - 8C2
GPS_LNA_NTCH	@radio_proto.lib.RADIO_PROTO GPS_LNA_NTCH - 8A3
GPS_LNA_ON	@radio_proto.lib.RADIO_PROTO GPS_LNA_ON - 8B4
GPS_OMS1	@radio_proto.lib.RADIO_PROTO GPS_OMS1 - 8B5
GPS_ON	@radio_proto.lib.RADIO_PROTO GPS_ON - 2D5 8B7
GPS_RF_AI	@radio_proto.lib.RADIO_PROTO GPS_RF_AI - 8B3
GPS_RF_AO	@radio_proto.lib.RADIO_PROTO GPS_RF_AO - 8B4
GPS_RF_BAL1	@radio_proto.lib.RADIO_PROTO GPS_RF_BAL1 - 8B5
GPS_RF_BAL2	@radio_proto.lib.RADIO_PROTO GPS_RF_BAL2 - 8B5
GPS_RF_FIL	@radio_proto.lib.RADIO_PROTO GPS_RF_FIL - 8B2
GPS_RST_N	@radio_proto.lib.RADIO_PROTO GPS_RST_N - 2D5 8B5
GPS_SCL2	@radio_proto.lib.RADIO_PROTO GPS_SCL2 - 2A5 8B8
GPS_SDA2	@radio_proto.lib.RADIO_PROTO GPS_SDA2 - 2A5 8B8
GPS_UART_CTS_N	@radio_proto.lib.RADIO_PROTO GPS_UART_CTS_N - 8A7 8B8
GPS_UART_RTS_N	@radio_proto.lib.RADIO_PROTO GPS_UART_RTS_N - 8A7 8B8
GPS_UART_RX	@radio_proto.lib.RADIO_PROTO GPS_UART_RX - 8A7 8B8
GPS_UART_TX	@radio_proto.lib.RADIO_PROTO GPS_UART_TX - 8A7 8B8
GPS_VCC_CORE	@radio_proto.lib.RADIO_PROTO GPS_VCC_CORE - 8C7
GPS_VDD_CAP	@radio_proto.lib.RADIO_PROTO GPS_VDD_CAP - 8C5
GPS_VDD_LP	@radio_proto.lib.RADIO_PROTO GPS_VDD_LP - 8C6

8			7			6			5			4			3			2			1		
Title: Cref Part Report Design: radio_proto Date: Feb 15 9:18:04 2008			C193 CAP_201 radio_proto[5D2] C195 CAP_402-1 radio_proto[3D8] C196 CAP_402-1 radio_proto[3D8] C197 CAP_402-1 radio_proto[3C8] C198 CAP_201 radio_proto[3D7] C199 CAP_201 radio_proto[3D7] C200 CAP_201 radio_proto[3C7] C201 CAP_201 radio_proto[3C7] C202 CAP_201 radio_proto[3D7] C203 CAP_201 radio_proto[3D7] C204 CAP_201 radio_proto[3C7] C205 CAP_201 radio_proto[388] C213 CAP_201 radio_proto[8C4] C214 CAP_201 radio_proto[8C4] C215 CAP_201 radio_proto[8A3] C216 CAP_201 radio_proto[8B3] C224 CAP_402 radio_proto[4B2] C225 CAP_201 radio_proto[8B3] C227 CAP_402-1 radio_proto[2A3] C228 CAP_201 radio_proto[2A3] C229 CAP_201 radio_proto[2A3] C230 CAP_201 radio_proto[388] C231 CAP_201 radio_proto[3C8] C232 CAP_201 radio_proto[3B7] C233 CAP_201 radio_proto[3C8] C235 CAP_201 radio_proto[3B7] C236 CAP_201 radio_proto[6B3] C237 CAP_201 radio_proto[6B6] C238 CAP_603 radio_proto[6B5] C241 CAP_603 radio_proto[6B3] C242 CAP_201 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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_PN25VD_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] 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