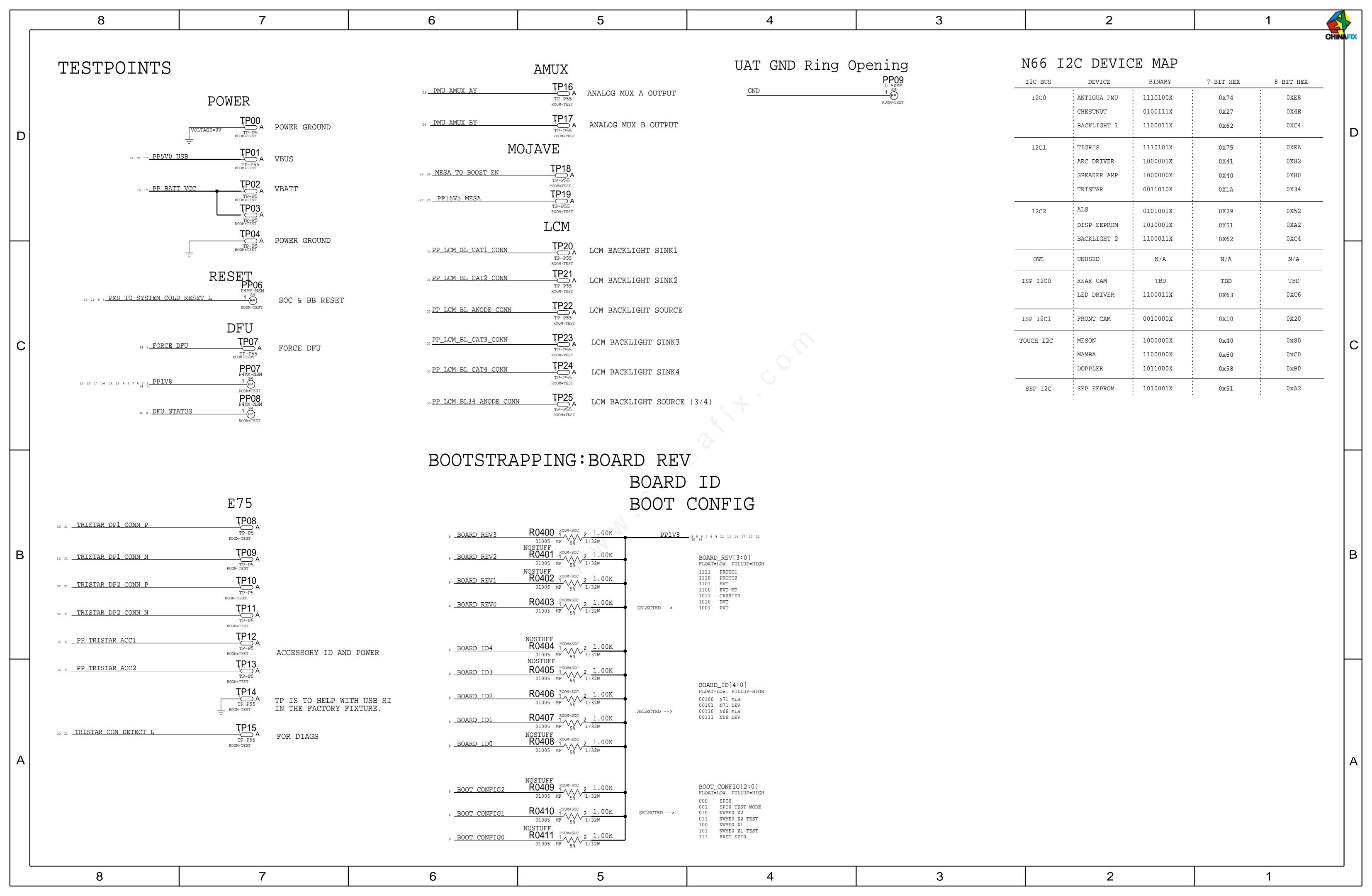
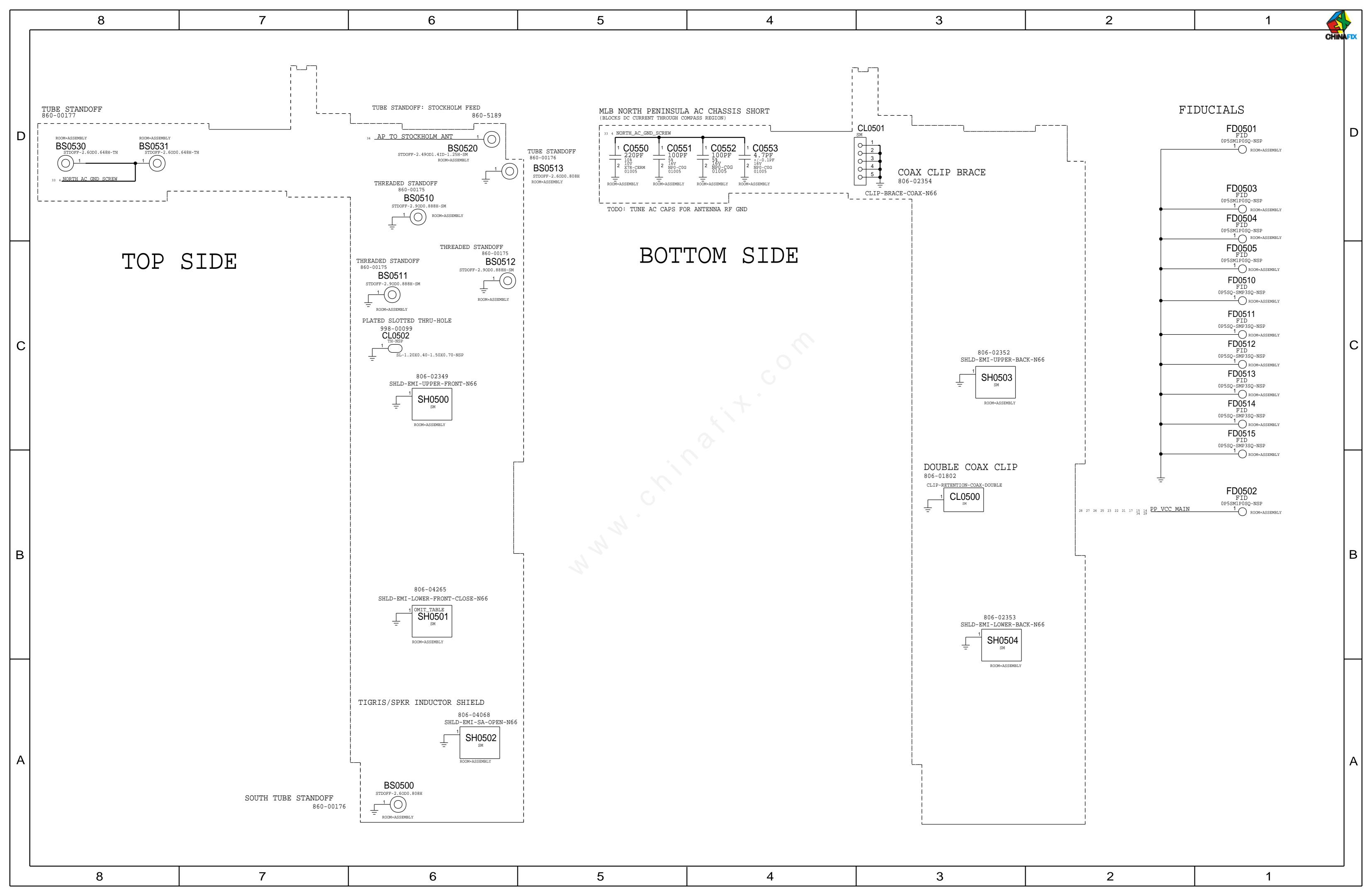
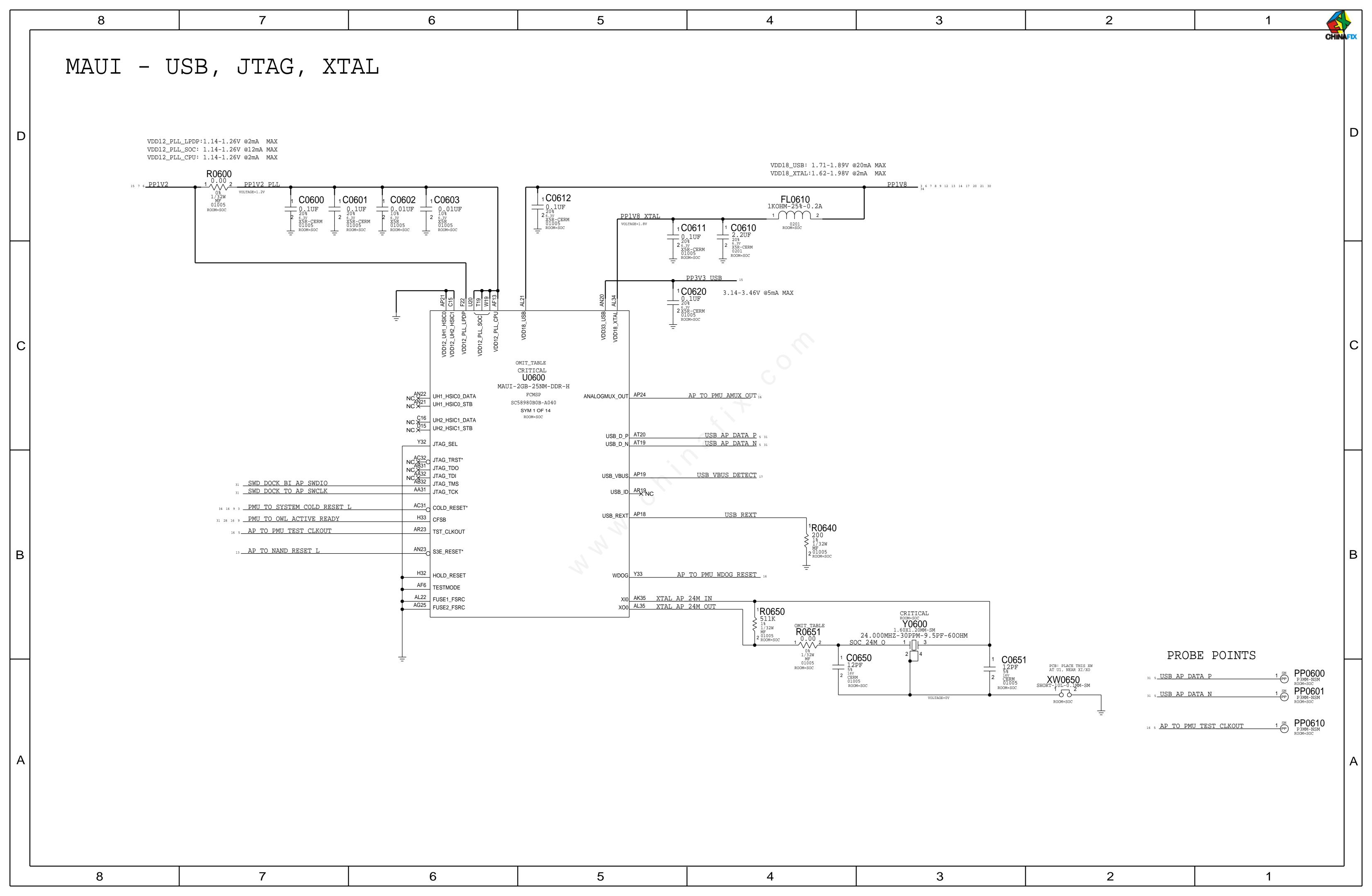
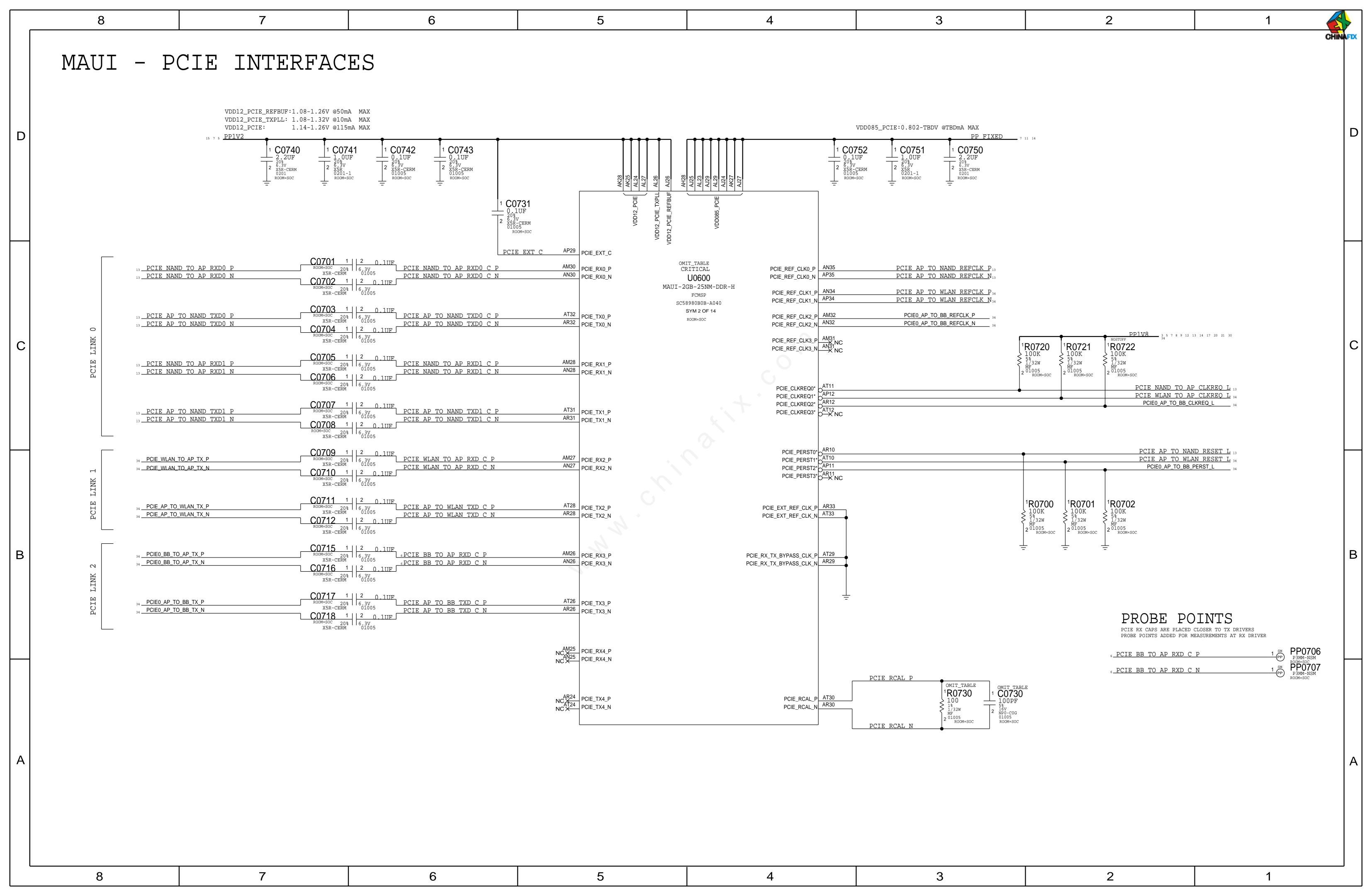
CK APPD 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%. REV DESCRIPTION OF REVISION 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. 0004600844 PRODUCTION RELEASED 2015-07-30 N66 MLB - PVT LAST\_MODIFICATION=Thu Jul 30 15:54:57 2015 PAGE <CSA> CONTENTS PAGE <CSA> CONTENTS DATE DATE SYNC SYNC TABLE OF CONTENTS 45 I/O:TRISTAR 2 SYSTEM: BOM TABLES I/O:DOCK FLEX B2B SYSTEM:N66 SPECIFIC 33 I/O:BUTTON FLEX B2B BASEBAND: RADIO SYMBOL SYSTEM: MECHANICAL COMPONENTS SOC: JTAG, USB, XTAL TABLE OF CONTENTS SOC:PCIE ELNA & UAT ANT FEED 37 SOC: CAMERA & DISPLAY CELLULAR FRONT END: ANTENNA CONNECTORS AND FEEDS SOC:SERIAL & GPIO 38 WLAN LAT 2.4GHZ BAW BPF 10 SOC:OWL DEBUG CONN & TEST POINTS SOC: POWER (1/3) CELLULAR BASEBAND: POWER1 SOC:POWER (2/3) CELLULAR BASEBAND: POWER2 12 13 SOC: POWER (3/3) 42 CELLULAR BASEBAND: CONTROL AND INTERFACES 13 15 43 CELLULAR BASEBAND: GPIOS 14 20 SYSTEM POWER: PMU (1/3) 44 CELLULAR PMU: CONTROL AND CLOCKS SYSTEM POWER: PMU (2/3) CELLULAR PMU: SWITCHERS AND LDOS SYSTEM POWER: PMU (3/3) CELLULAR PMU: ET MODULATOR 17 SYSTEM POWER: CHARGER 47 CELLULAR TRANSCEIVER: POWER 18 SYSTEM POWER: BATTERY CONN 48 CELLULAR TRANSCEIVER: PRX PORTS CELLULAR TRANSCEIVER: DRX/GPS PORTS 19 SENSORS: MOTION SENSORS 49 CAMERA: FRONT CAMERA B2B CELLULAR TRANSCEIVER: TX PORTS 51 CAMERA: REAR CAMERA B2B CELLULAR FRONT END: LB PAD 22 CAMERA:STROBE DRIVER CELLULAR FRONT END: MB PAD 53 23 CAMERA: SPHERE DRIVER CELLULAR FRONT END: HB PAD CELLULAR FRONT END: 2G PA AUDIO:CALTRA CODEC (1/2) AUDIO:CALTRA CODEC (2/2) CELLULAR FRONT END: LB ASM AUDIO:SPEAKER DRIVER CELLULAR FRONT END: MB-HB ASM 57 AUDIO:ARC DRIVER CELLULAR FRONT END: DIVERSITY DISPLAY: POWER TOUCH:ORB & MESA B2B WIFI/BT: WIFI/BT MODULE STOCKHOLM 42 DISPLAY:LCM B2B SCH 051-00094 BOM 639-00299 (BETTER, DB30) BOM 639-00301 (ULTRA, DB30) BRD 820-00040 MCO 056-00472 BOM 639-00302 (SUPREME, DB30) BOM 639-01063 (BETTER, B30) BOM 639-01064 (ULTRA, B30) BOM 639-01065 (SUPREME, B30)

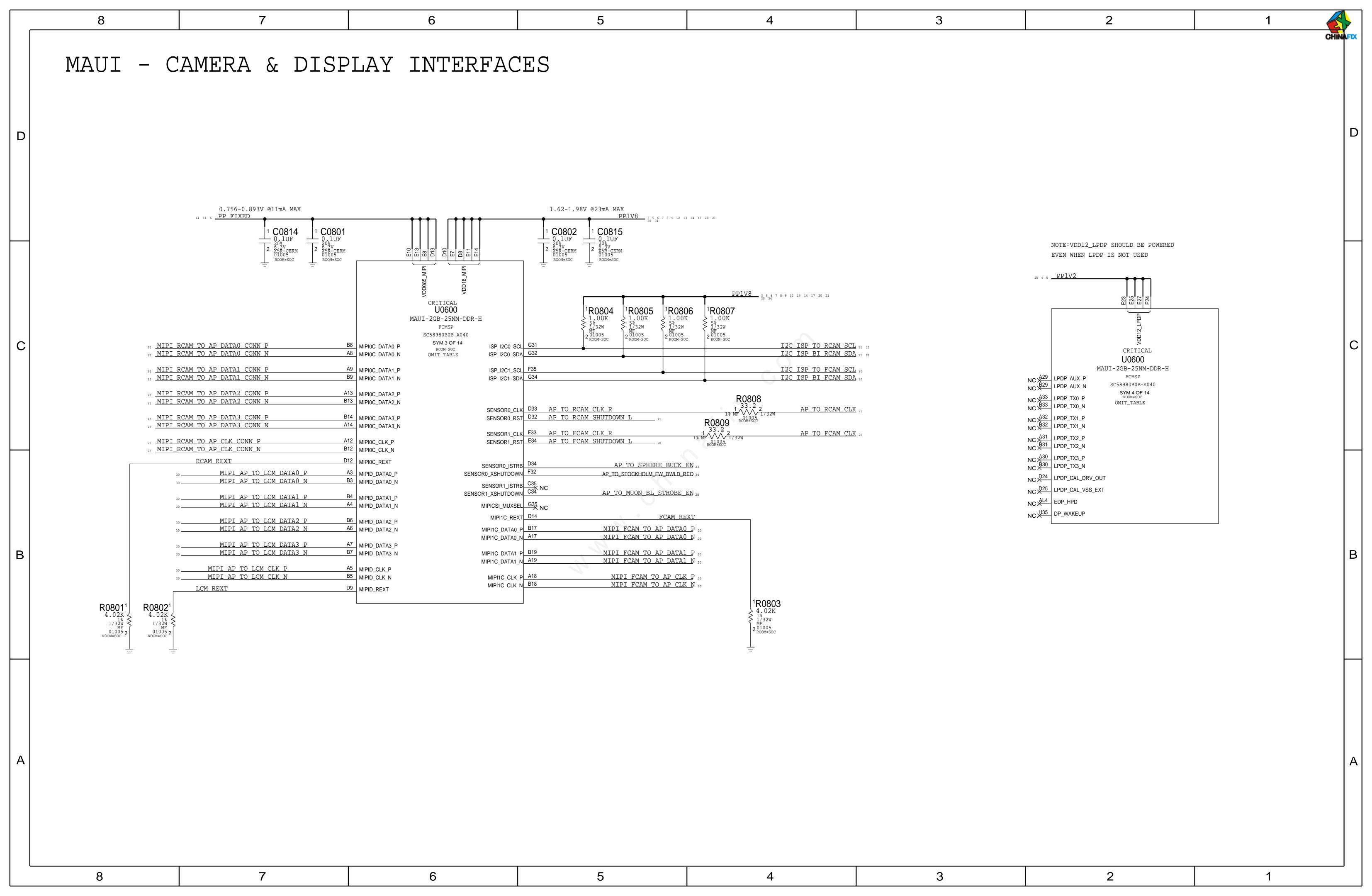
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	Active Diode Alte	ernate		Schematic & P	CB Callouts			SOC/PMU SUB BOMS			CHI	NAFDX
	PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	DN REF DES COMMENTS:	PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	Med. (Letter	PART# QTY DESCRIPTION REFERENCE DESIGNATOR(S) BOM OPTION						
	PART NUMBER  BOW OF HON REF DES  COMMENTS:  376S00106  376S00107  ALTERNATE Q2300  DIODES INC. ACT DIODE			051-00094 1 SCH,SINGLE_BRD,N6	051-00094 1 SCH,SINGLE_BRD,N66 SCH CRITICAL ?			685-00071 1 SUBBOM, MLB, MAUI, N66 SUBBOM_SOC COMM				
	37000017 ABIBMAIL	Z2500 BIODEO INC. ACI BIODE		820-00040 1 PCBF,SINGLE_BRD,N	66 PCB	CRITICAL ?	Nad.5,500	338S00120 1 IC,PMU,ANTIGUA,A1,AL,WLCSP380	U2000	MAUI	_	
				825-6838 1 EEEE CODE FOR 639	-00299 EEEE_G360	CRITICAL EEEE_BETTER_DB3	0	118S0631 1 RES,MF,100 OHM,1%,1/32W,01005	R0730	MAUI		
	NAND BOM Options			825-6838 1 EEEE CODE FOR 639	-00301 EEEE_G35W	CRITICAL EEEE_ULTRA_DB30	164.5,700	131S0307 1 CAP,CER,NPO/COG,100PF,5%,16V,01005	C0730	MAUI		
	PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S) CRITICAL	BOM OPTION	825-6838 1 EEEE CODE FOR 639	-00302 EEEE_G35V	CRITICAL EEEE_SUPREME_DB	30	339S00112 1 PROD FUSED, H DRAM	U0600	MAUI		
D	335S00039 1 NAND,1YNM,16GX8,S3E,64G,T,SLGA70	U1500 CRITICAL	NAND_16G	825-6838 1 EEEE CODE FOR 639	-01063 EEEE_GKKY	CRITICAL EEEE_BETTER_B30	Table () (Table )	117S0161 1 RES, MF, 0 OHM, 01005	R0651	MAUI		
	335S00075 1 NAND,1YNM,64GX8,S3E,MLB,64G,H,SLGA	u1500 CRITICAL	NAND_64G	825-6838 1 EEEE CODE FOR 639	-01064 EEEE_GKL0	CRITICAL EEEE_ULTRA_B30	Tand, 4,700	PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION	7	
	335S00079 1 NAND,1YNM,64GX8,S3E,128G,H,SLGA70	U1500 CRITICAL	NAND_128G	825-6838 1 EEEE CODE FOR 639	-01065 EEEE_GKL1	CRITICAL EEEE_SUPREME_B3	0	338S00122 1 IC,PMU,ANTIGUA,A1,ZL,WLCSP380	U2000	MALTA	-	
				825-6838 1 EEEE CODE FOR 939	-01539 EEEE_GPMW	CRITICAL EEEE_BETTER_DAR	WIN	118S00009 1 RES,MF,3.01KOHM,1%,1/32W,01005	R0730	MALTA		
	PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	ON REF DES COMMENTS:						131S0307 1 CAP,CER,NPO/COG,100PF,5%,16V,01005	C0730	NOSTUFF	_	
	335S00074 335S00039 NAND_16G	U1500 HYNIX 16G SLGA70 C DIE		Global Capaci	tor Alternates			339S00124 1 M PROD FUSED, M DRAM	U0600	MALTA		
	335S00074 335S00039 NAND_10G 335S00078 335S00075 NAND_64G	U1500 HYNIX 16G SLGA70 C DIE  U1500 HYNIX 64G SLGA70			BOM OPTION REF DES COMMENTS:	164,4746		118S00025 1 RES, MF, 330 OHM, 1%, 1/32W, 01005	R0651	MALTA		
	335S00076 335S00075 NAND_64G	U1500 SANDISK 64G SLGA70 1Z				Ned, ACHI					_	
	335S00004 335S00079 NAND_128G	tacuton			ALTERNATE ? RES, 3.92K, 0.1%, 0201	Mad, at you		PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	REF DES COMMENTS:	Table (A.) Palic		
	33350003 333500073 NAMP_1200	SAMPION 1200 BIGATO			ALTERNATE ? CAP, X5R, 4.3UF, 4V, 0	малери			GUDDON MED MALEN	tot (1/m)		,
	Carbon BOM Option	na			ALTERNATE ? CAP, 3-TERM, 4.3UF, 4V, 0402  ALTERNATE ? CAP, X5R, 15UF, 6.3V, 0.65MM, 0402, TAIY	Statut At State		685-00072 685-00071 ALTERNATE	SUBBOM, MLB, MALTA, I	N6 6		,
			Mad y risk		ALTERNATE ? CAP, X5R, 15UF, 6.3V, 0.65MM, 0402, TAIYO  ALTERNATE ? CAP, X5R, 15UF, 6.3V, 0.65MM, 0402, XYOCI	had at the		AP Alternates				,
	PART# QTY DESCRIPTION  338S1163 1 DISCRETE ACCEL, BOSCH	REFERENCE DESIGNATOR(S) CRITICAL	BOM OPTION  MOSTIFF		ALTERNATE ? CAP, XSR, 15UF, 6.3V, 0.65MM, 0402, XYOCI  ALTERNATE ? CAP, XSR, 4.7UF, 6.3V, 0.65MM, 0402, TAIL	1664_61/100		PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	REF DES COMMENTS:	No. at year.		
	338S1163 1 DISCRETE ACCEL, BOSCH 338S1163 1 DISCRETE ACCEL, BOSCH	U3030 CRITICAL	NOSTUFF  GARDON INVENSIONE		ALTERNATE ? CAP,X5R,0.22UF,6.3V,01005,TD	Teled, and Otto				Med.47.700		,
		U3030 CRITICAL	CARBON_INVENSENSE		ALTERNATE ? CAP,X5R,2.2UF,6.3V,0201,TAIY	166(x1)/66		339S00113 339S00112 MAUI	U0600 PROD FUSED, M DRAI	Taked, act, class		
	338S00017 1 CARBON, INVENSENSE  338S00087 1 CARBON, INVENSENSE MPU-6800	U3010 CRITICAL U3010 CRITICAL	CARBON_INVENSENSE  CARBON_INVENSENSE_6800		ALTERNATE ? CAP,X5R,2.2UF,6.3V,0201,KY00	1664,4170s		339S00114 339S00112 MAUI	U0600 PROD FUSED, S DRAI	M		,
	CARBON, INVENDENDE PIFO 0000	CATTERE	CARBON_INVENSENSE_0000		ALTERNATE ? CAP,CER, 3-TERM, 7. SUF, 204, 447, 0402, TATYO/TEK	144,41,00				1444,A1700		
C	Power Inductor Al	lternates		138S0706 138S0739	ALTERNATE ? CAP, CER, 1UF, 20%, 10V, X5R, 0201, MURATA	MALACINA		339S00125 339S00124 MALTA	U0600 M PROD FUSED, H DRAM,	TANA_AXT/SSW		
		Tead, at year		138S0945 138S0739	ALTERNATE ? CAP,CER,1UF,20%,10V,X5R,0201,KYOCE	(maxim		339S00126 339S00124 MALTA	U0600 M PROD FUSED, S DRAM,	TANAL, ART, DEEP		
	PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	IN REF DES COMMENTS:			2 7 7 + 2 + 2	1		339S00127 339S00124 MALTA 339S00128 339S00124 MALTA	U0600 M PROD FUSED, M DRAM,  U0600 M PROD FUSED, H DRAM,	1664_641/59e		
	152S00118 152S00075 ALTERNATE	\$? IND,PWR,SHLD,1.2 UH,3.0A,0.080 OHM,2016		Global Ferrit	e Alternates			339S00129 339S00124 MALTA	U0600 M PROD FUSED, S DRAM,	TANA,AT/TEN		
	152S00120 152S00077 ALTERNATE	\$? IND, PWR, SHLD, 1.0 UH, 2.25A, 0.150 OHM, 2016		PART NUMBER ALTERNATE FOR PART NUMBER	BOM OPTION REF DES COMMENTS:	Takin/see		335000127 335000121 FFEIT	W FROD FOODD, S DRAW,	JCR .		
	152S2052 152S1929 ALTERNATE	\$? IND,MULT,1UH,1.2A,0.320 OHM,0603		152S2052 152S1929	ALTERNATE ? IND, 1UH, 1.2A, 06	3		Shield Callouts				
	DDR PLL Alternate			155S0773 155S0453	ALTERNATE ? FERR, 1200HM, 0.80HM DCR, 01	15		SILLETO CATTOURS			TABLE, PROD	,     '
	DDK FILL AICEINAC			155S0653 155S0511	ALTERNATE ? FERR, 330HM, 0.090HM DCR, 02	NALAT/W		PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL BOM OPTI	ON Name	$_{\prime}$ $^{\prime}$
$\vdash$	PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	N REF DES COMMENTS:		155S00067 155S0581	ALTERNATE ? FERR, 2400HM, 0.380HM DCR, 0	MALAUM )1		806-04265 1 LOWER FRONT SHIELD	SH0501	CRITICAL COMMON		<sup>」</sup>
	155S00095 155S00068 ALTERNATE	FL1280 FERR BD,1000HM,25%,100MA,20HM,01005		155S00012 155S00009	ALTERNATE ? FLTR, 65 OHMS, 060	Transporter						
				155S0960 155S0941	ALTERNATE ? FERR, 70 OHMS, 010	5		SIM Callouts				,     '
	SEP EEPROM Altern	nate		155S0660 155S0513	ALTERNATE ? FERR, 22 OHMS, 020	104,4700		PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	CRITICAL BOM OPTI	ON.	$\cdot$   $\cdot$   $'$
	PART NUMBER ALTERNATE FOR BOM OPTION PART NUMBER	tier(at/eso		Global Varist	or Alternates			512S00013 1 SIM, Integrated Eject, N66	J3001_RF	CRITICAL COMMON	TAMA_UPIN	,
		TTOOOO		GIODAI VALIBO	- THE CELITACED	tal,atma						
	335S00066 335S0946 ALTERNATE	U0900 IC, EEPROM, 16KX8, 1.8V, 12C, WLCSP4, ONSEMI		PART NUMBER ALTERNATE FOR PART NUMBER	BOM OPTION REF DES COMMENTS:							
	Low Noise Caps			377S0168 377S0140	ALTERNATE ? VARISTOR, 6.8V, 100PF, 01005							
В	_	REFERENCE DESIGNATOR(S) BOM OPTION	NAL SECTION SE	Inductor Sub	DOMa					В		
	PART# QTY DESCRIPTION  138S0867 3 CAP,X5R,10UF,20%,6.3V,0.65MM,HRZTL,0402		164 J/20							'		
	998-01223 3 CAP,X5R,10UF,20%,6.3V,0.65MM,HRZTL,0402		1665,070	PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION						
	CAP, ASK, 1UUF, 20%, 0.3V, U. OSMM, U4UZ, INIPUSEK	CAPS_LOW_N	NOTSE	685-00083 1 SUBBOM, SINGLE, BRD, CYN		COMMON						
				152S00074 12 IND,PWR,SHLD,1.0UH,3.6A,0.0		CYNTEC						
				152S00081 6 IND, PWR, SHLD, 0.47UH, 3.8A, 0	.048 OHM,2012 L2001,L2003,L2011,L2013,L2021,L2041	CYNTEC						
				PART# QTY DESCRIPTION	REFERENCE DESIGNATOR(S)	BOM OPTION						
				152S00117 12 IND, PWR, SHLD, 1.0UH, 3.6A, 0.		TAIYO						
				152S00121 6 IND, PWR, SHLD, 0.47UH, 3.8A, 0	.048 OHM,2012 L2001,L2003,L2011,L2013,L2021,L2041	TAIYO						
				PART NUMBER ALTERNATE FOR PART NUMBER	BOM OPTION REF DES COMMENTS:	THE AT THE						
					ALTERNATE SUBBOM_IND SUBBOM, SINGLE, BRD, TAIYO	TOLA,AT/TOL						
				003-00002 003-00003	ALIERWAIE SUBBUM_IND SUBBUM, SINGLE, BRD, IAITO	NOO						
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L		<u>,                                      </u>				•			L	<b>'</b>		

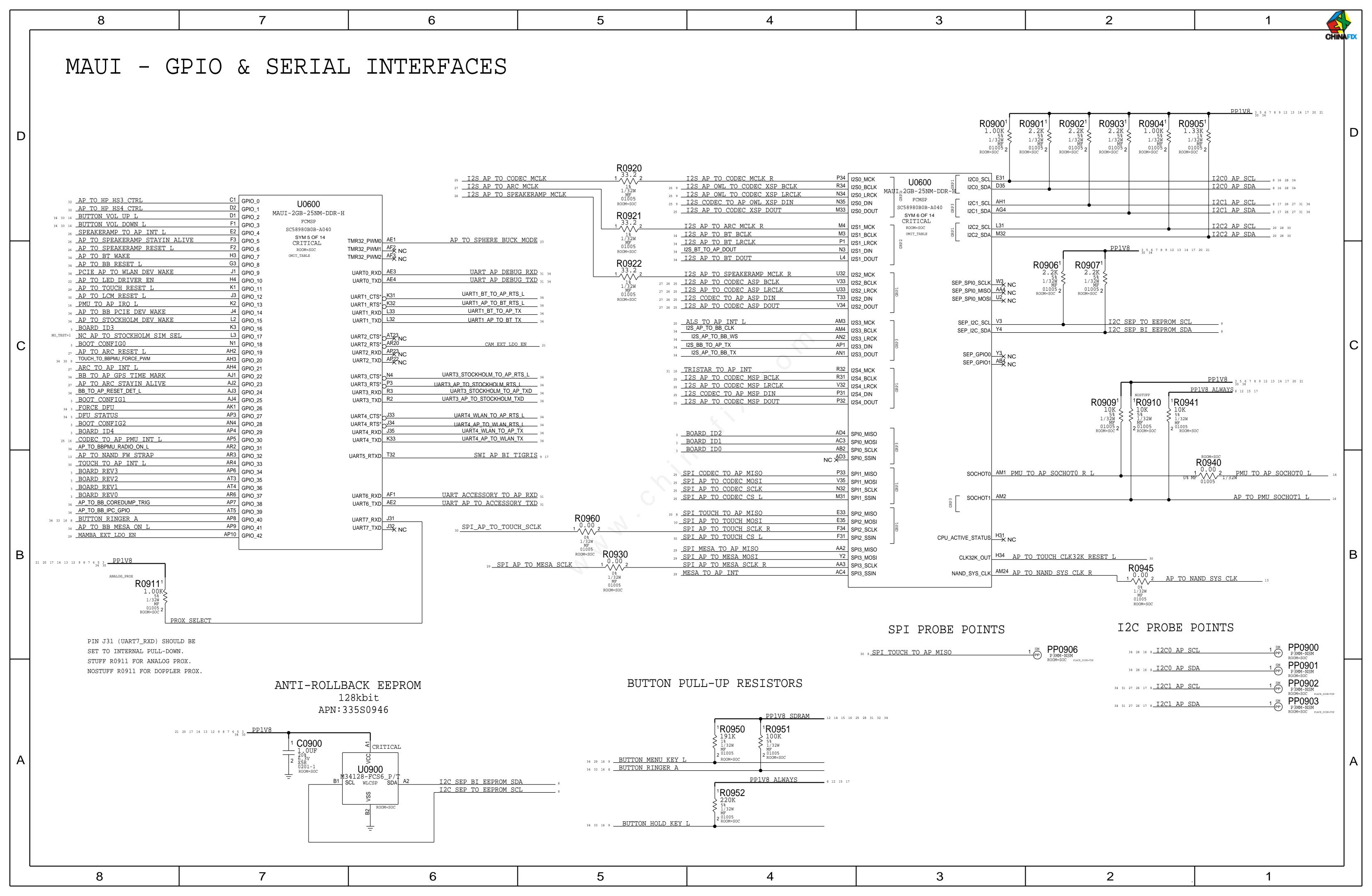


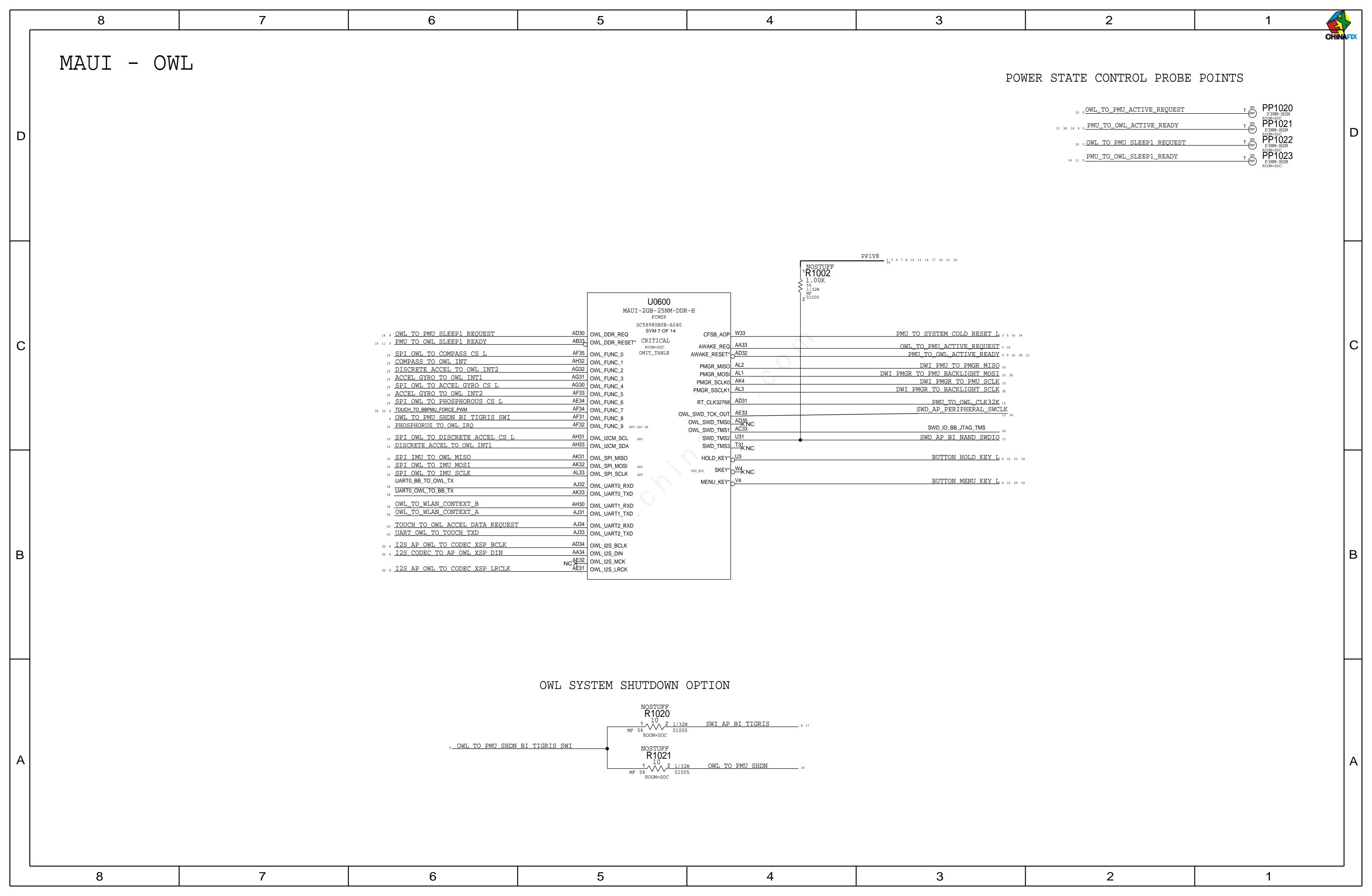


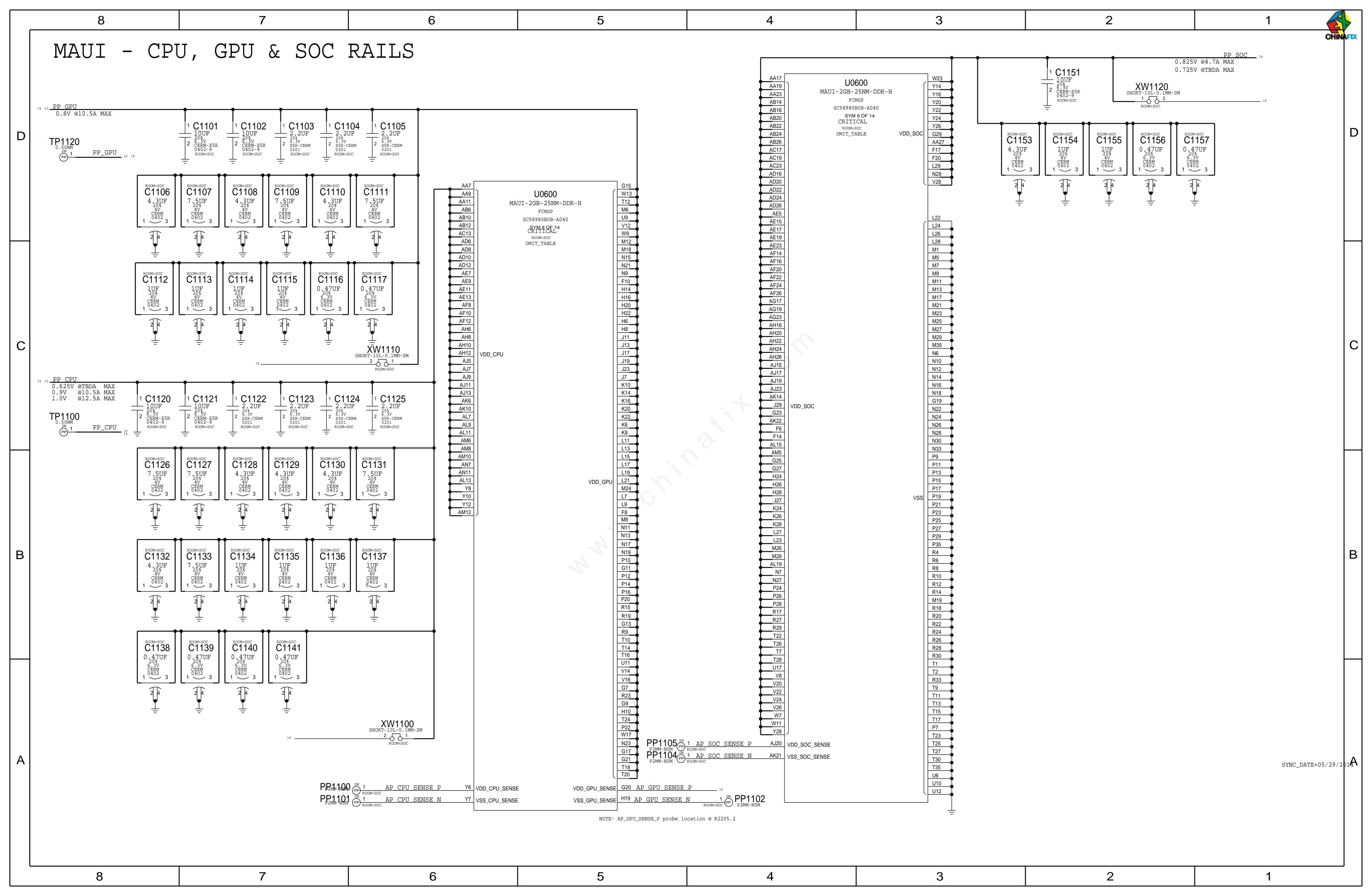


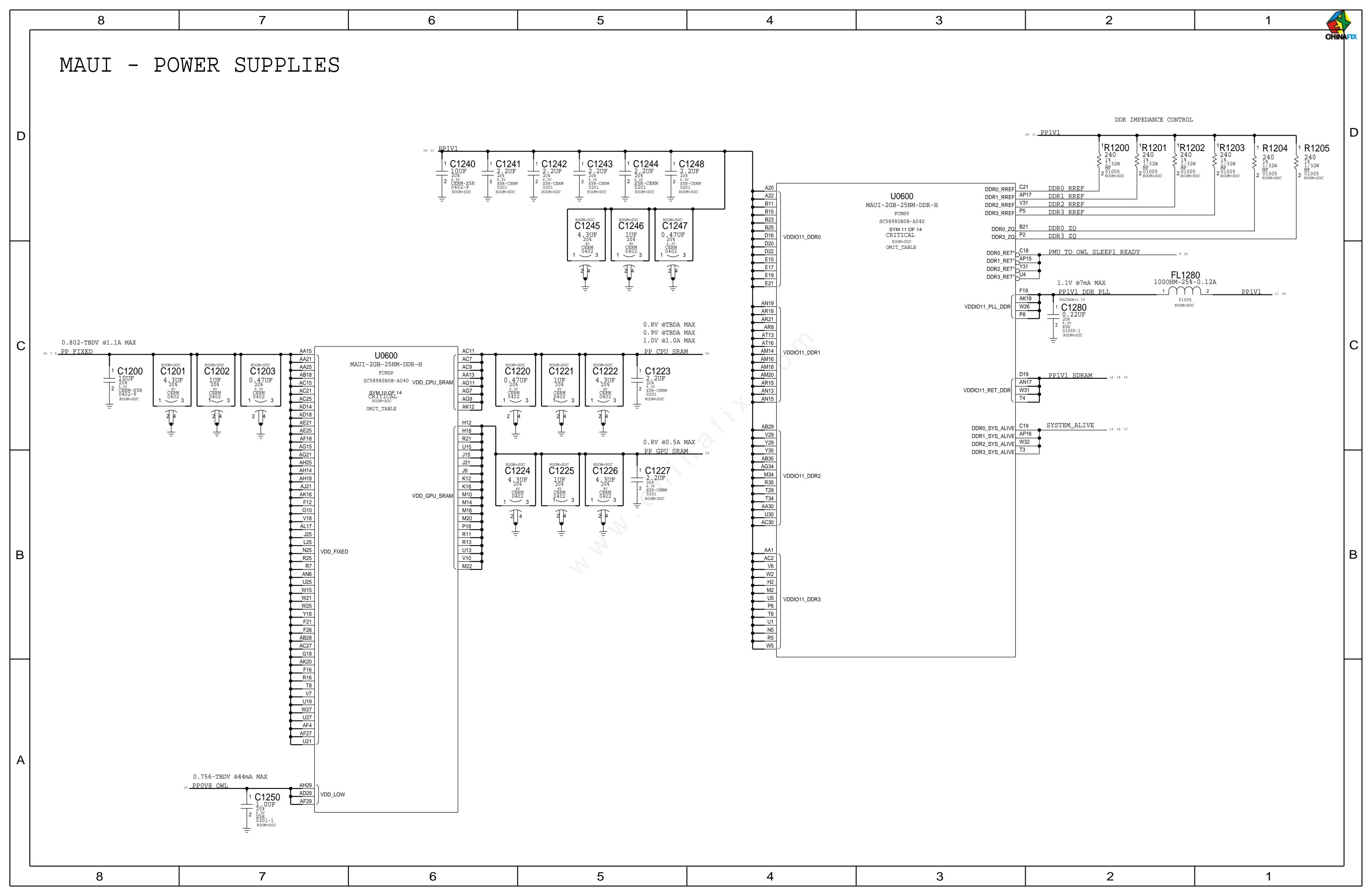


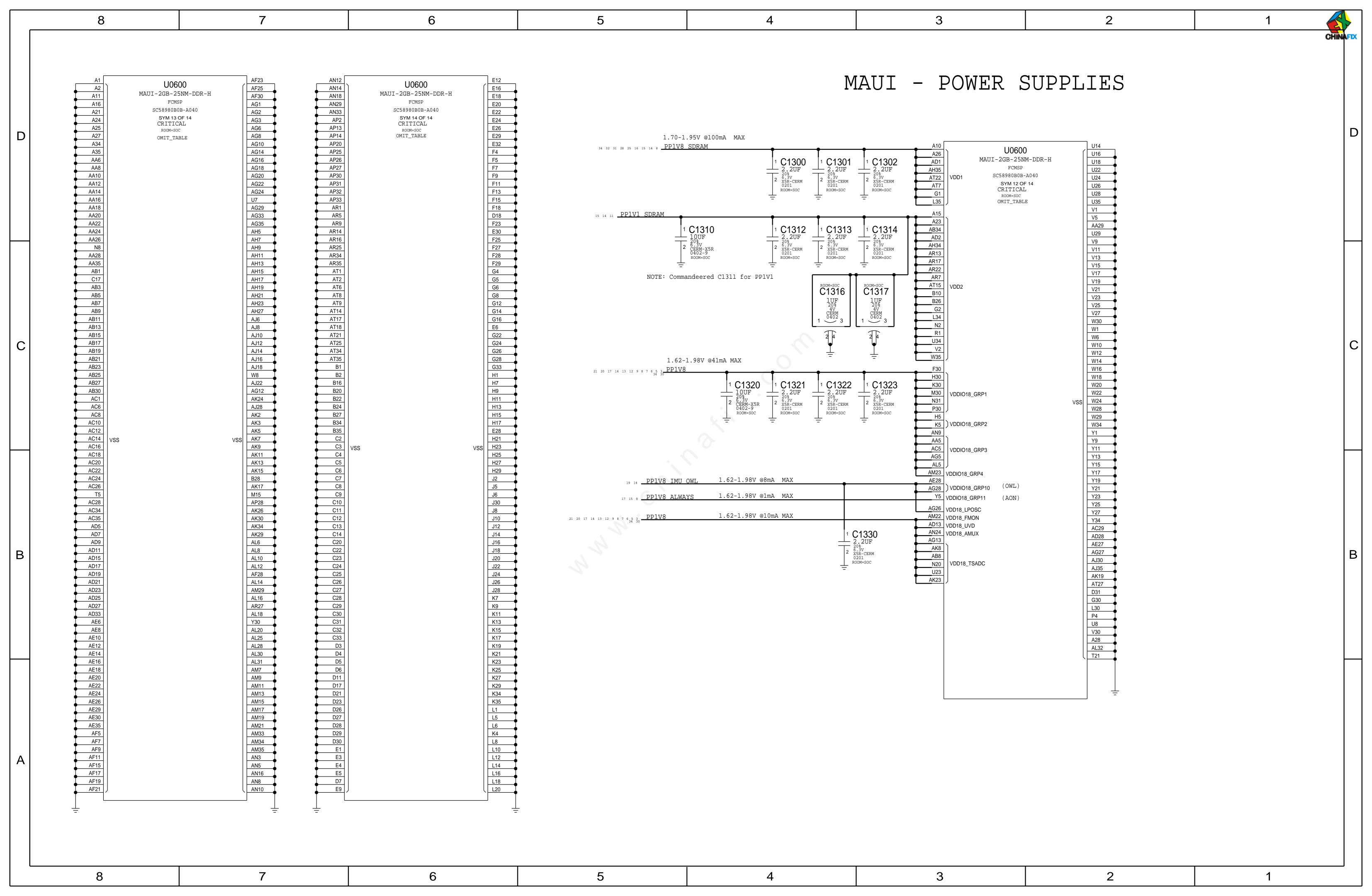


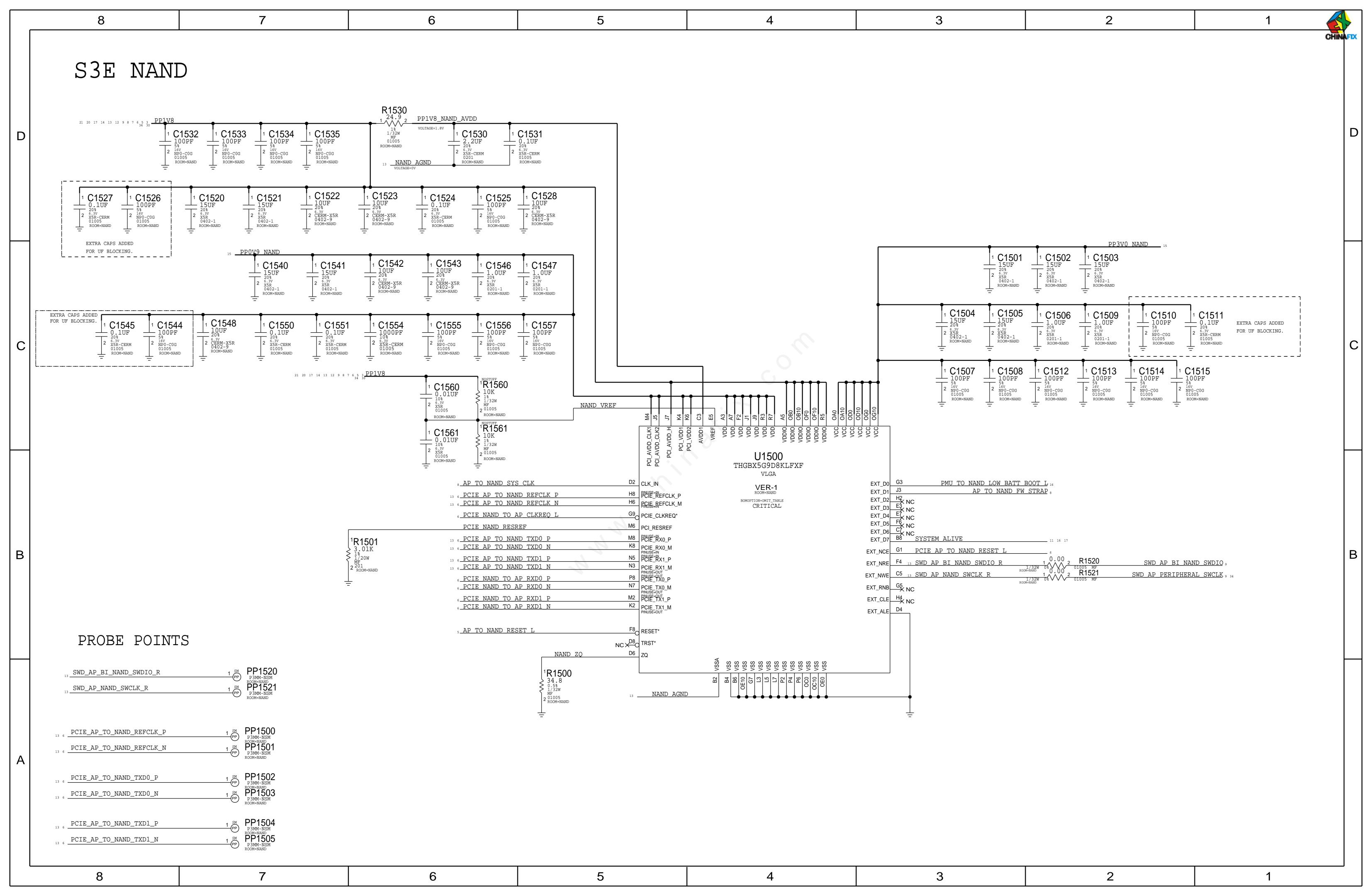


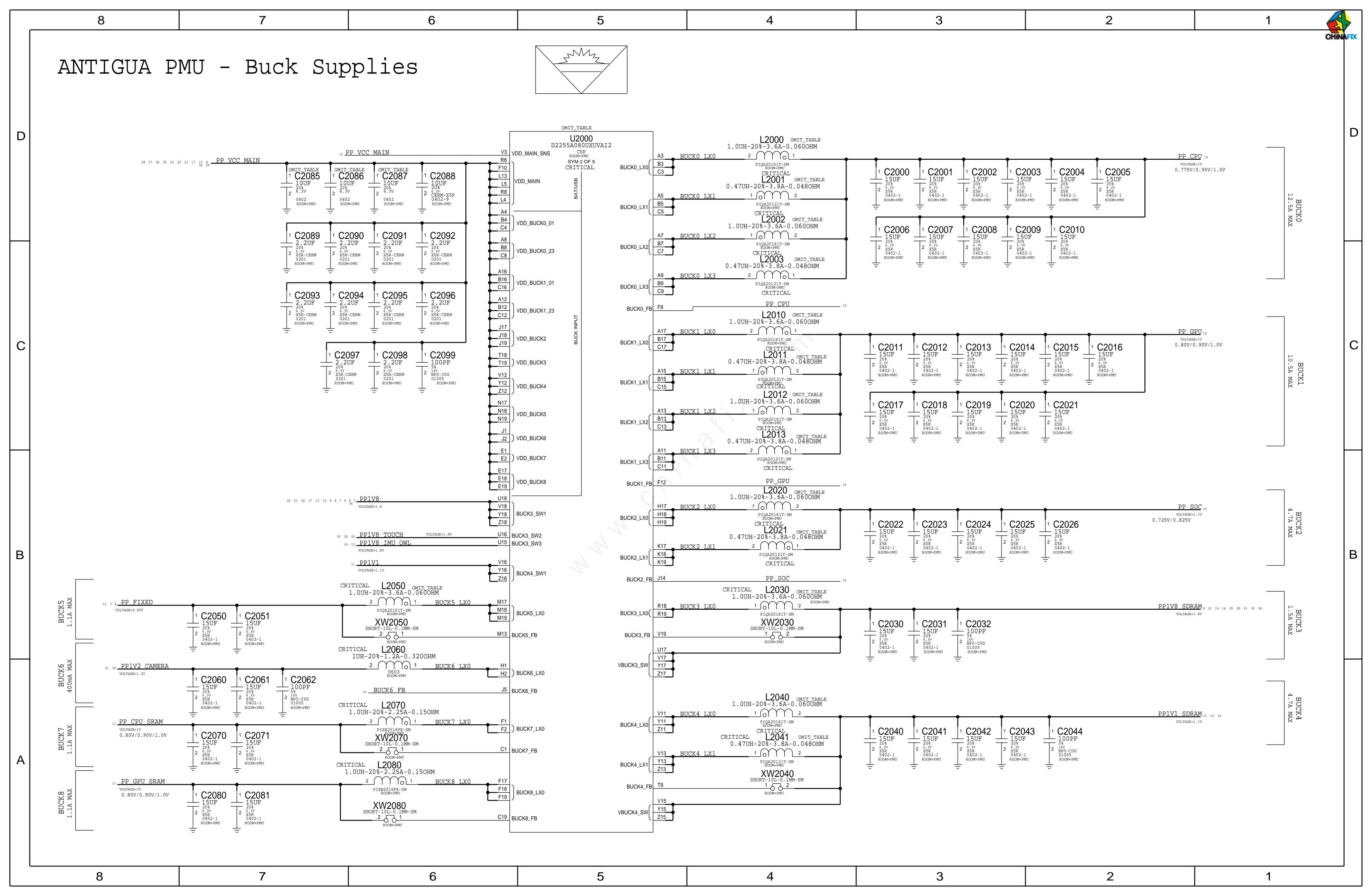


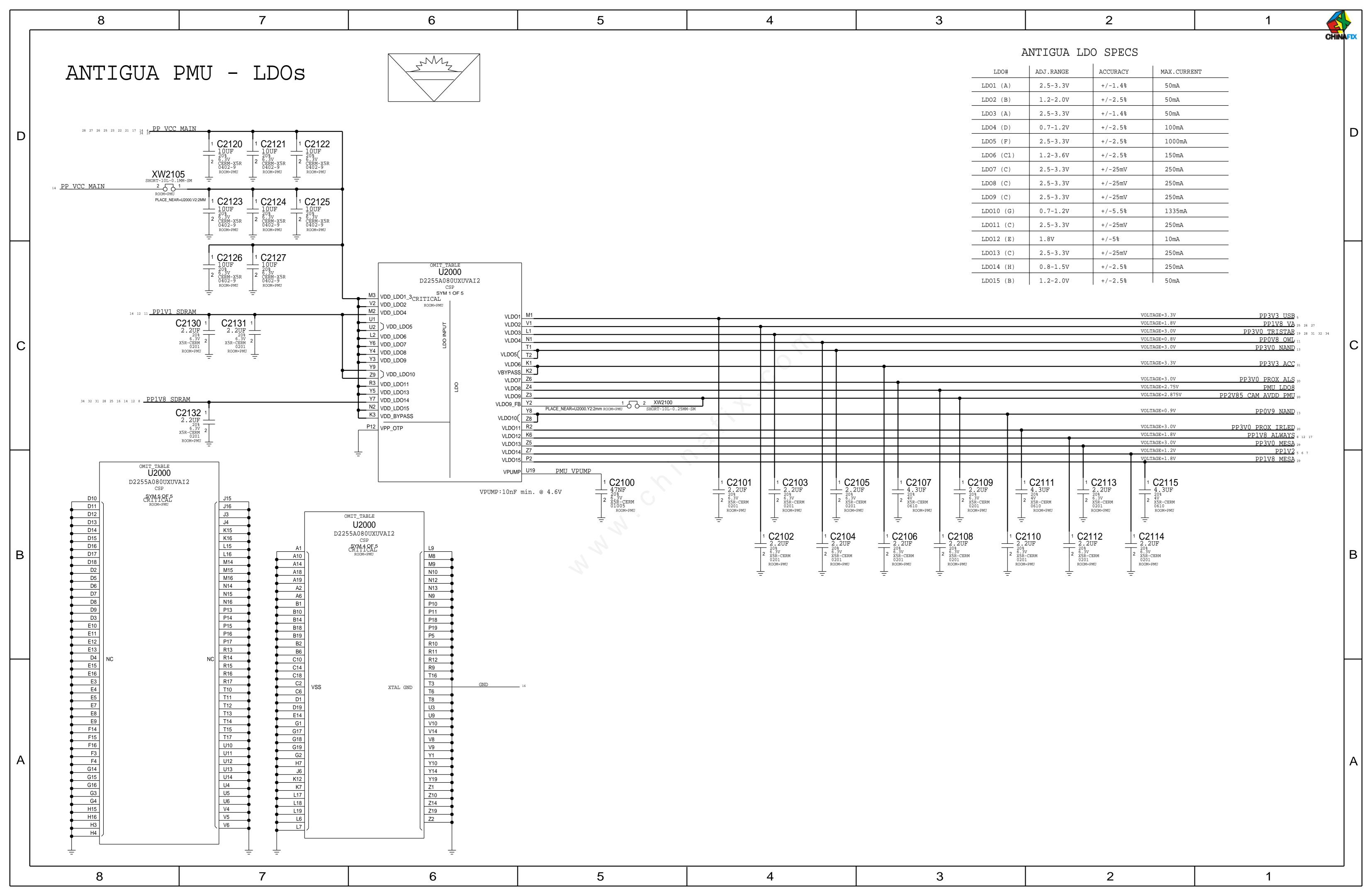


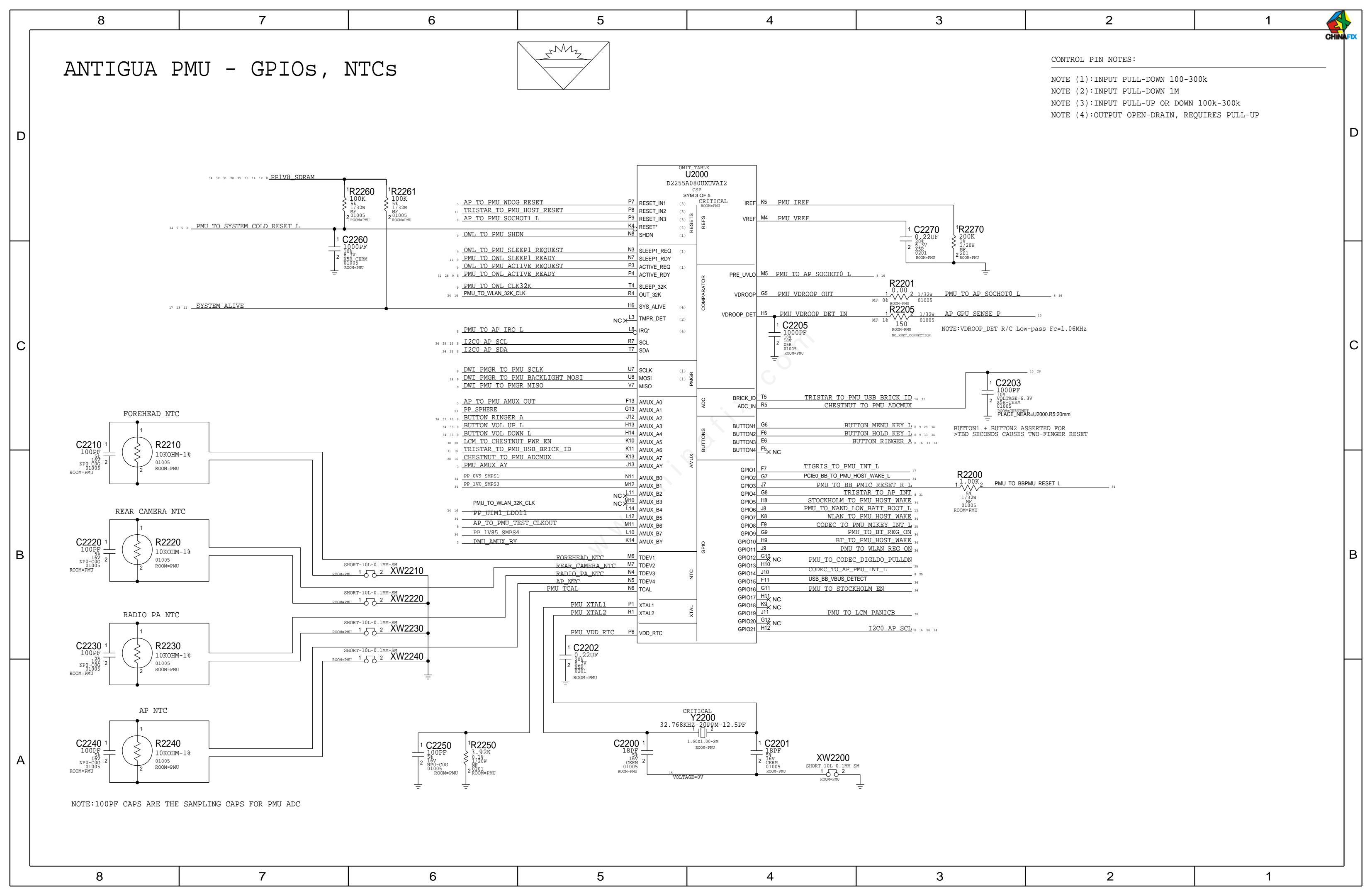


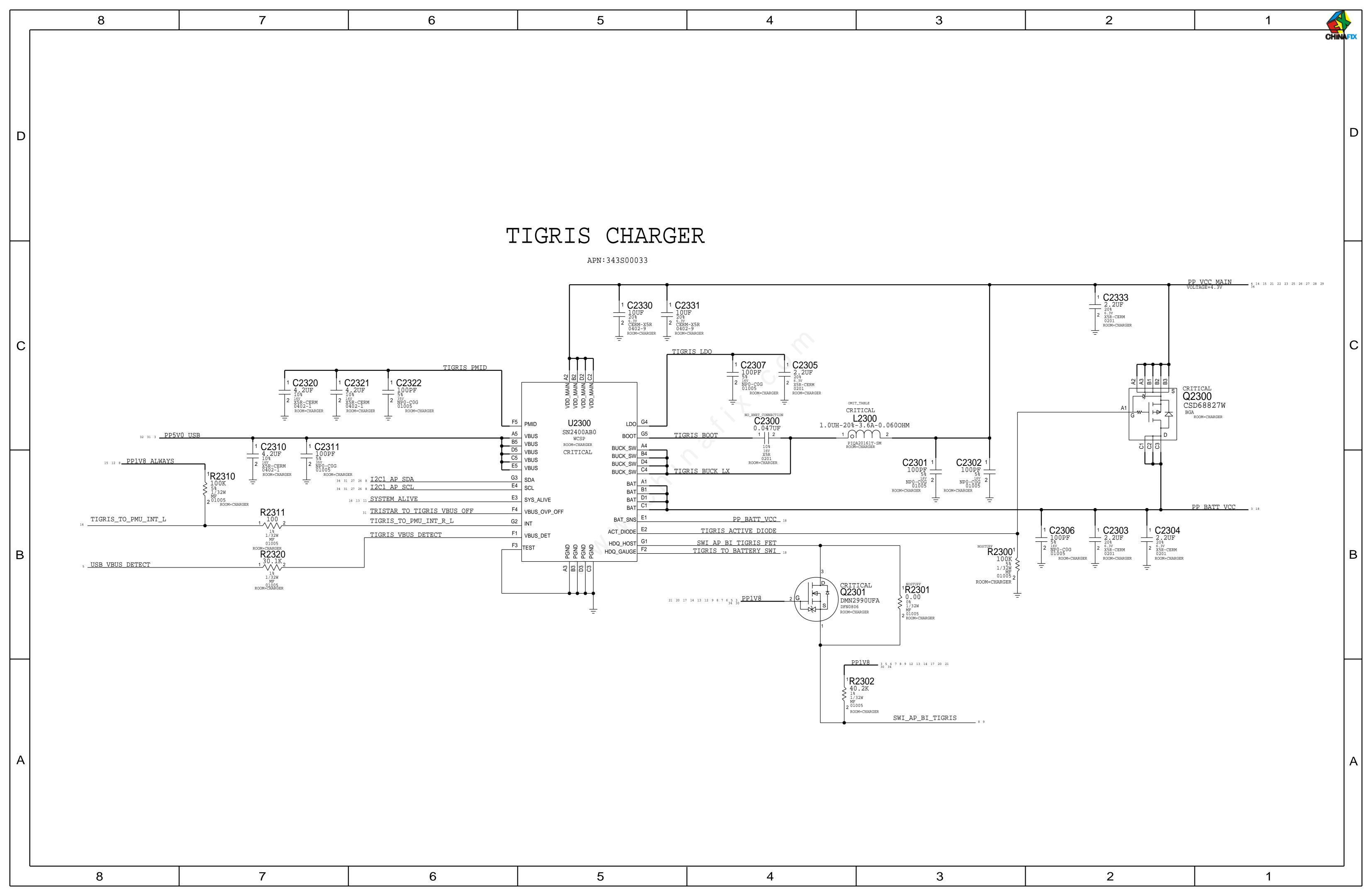


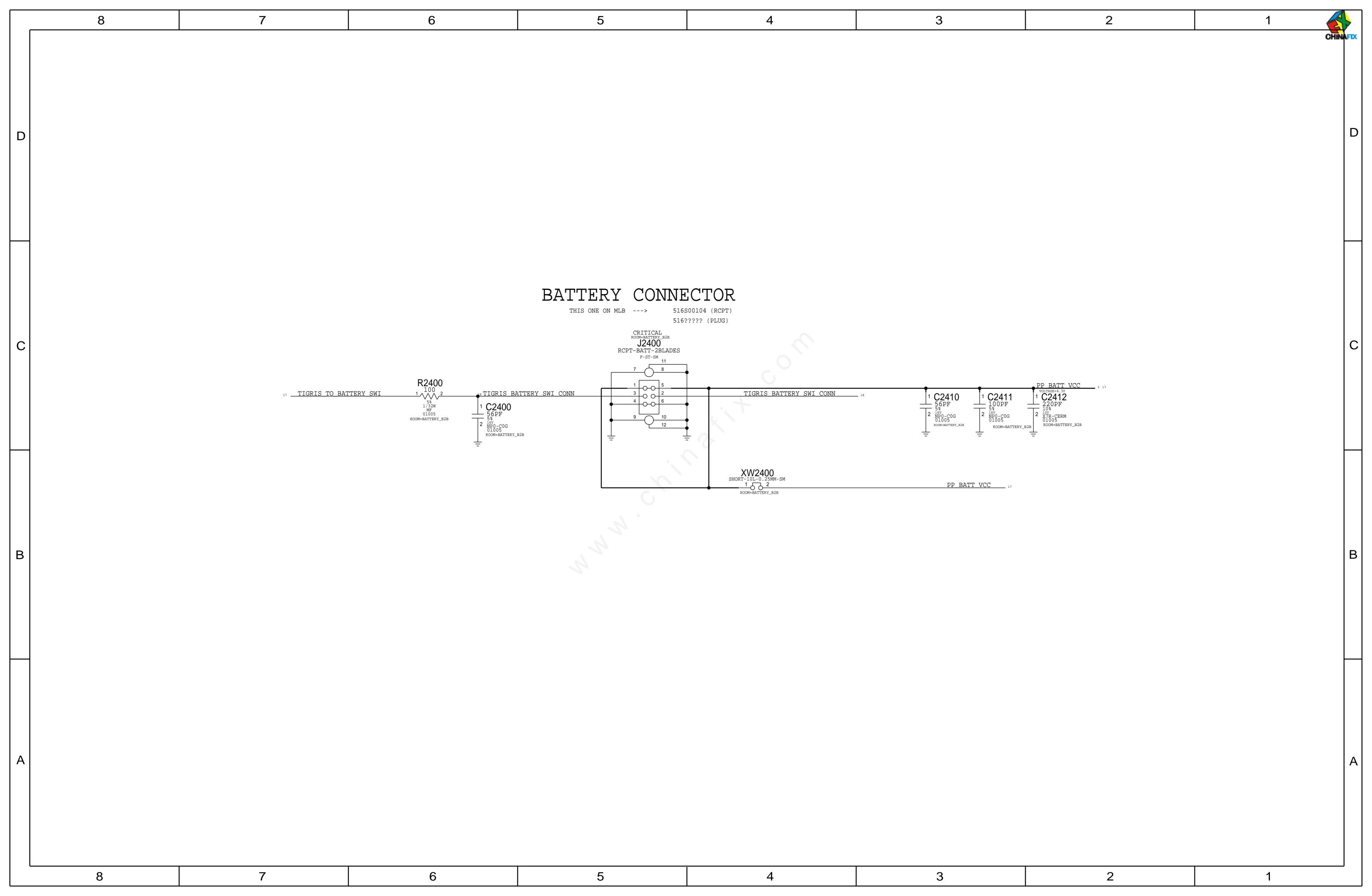


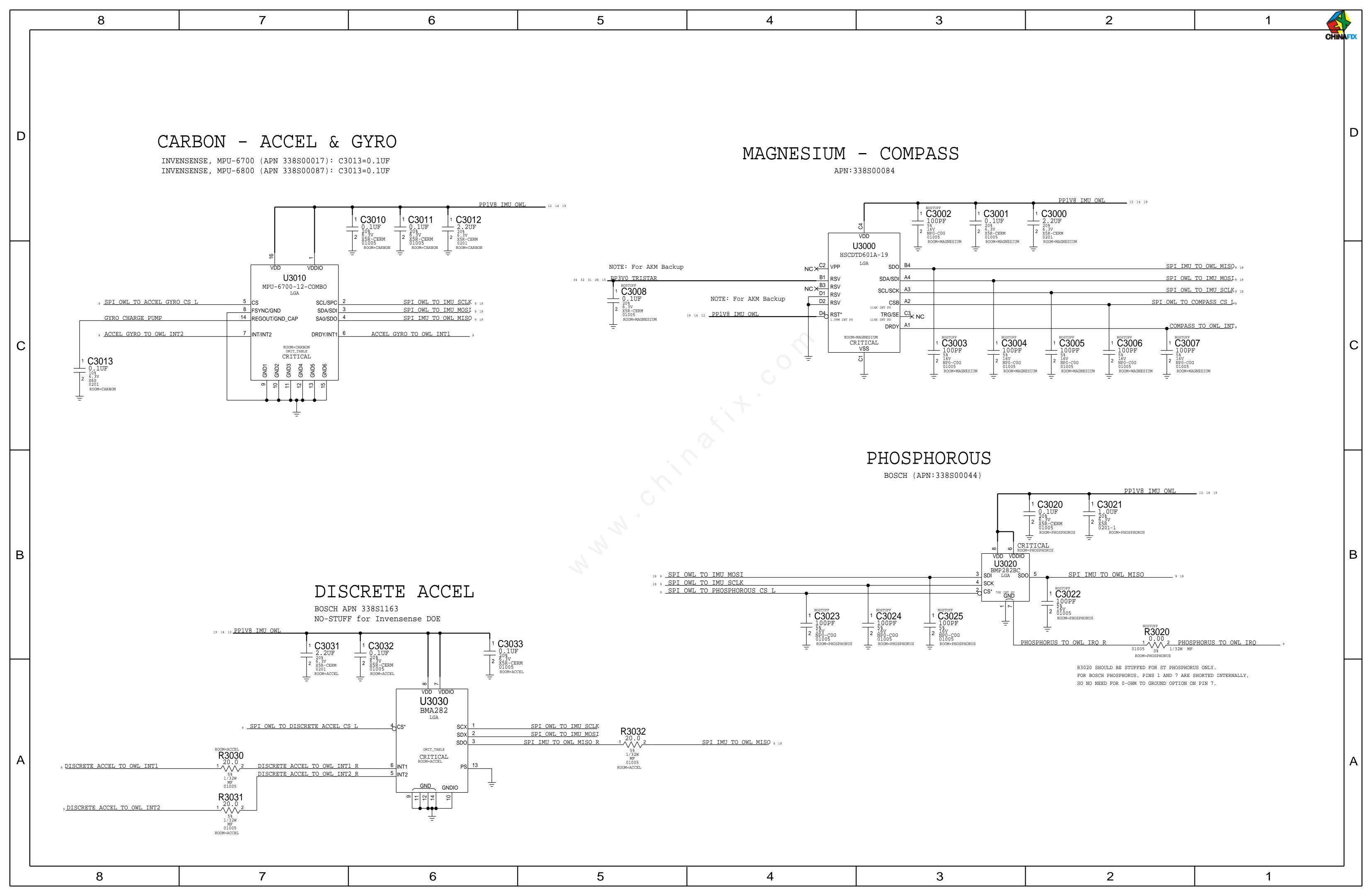


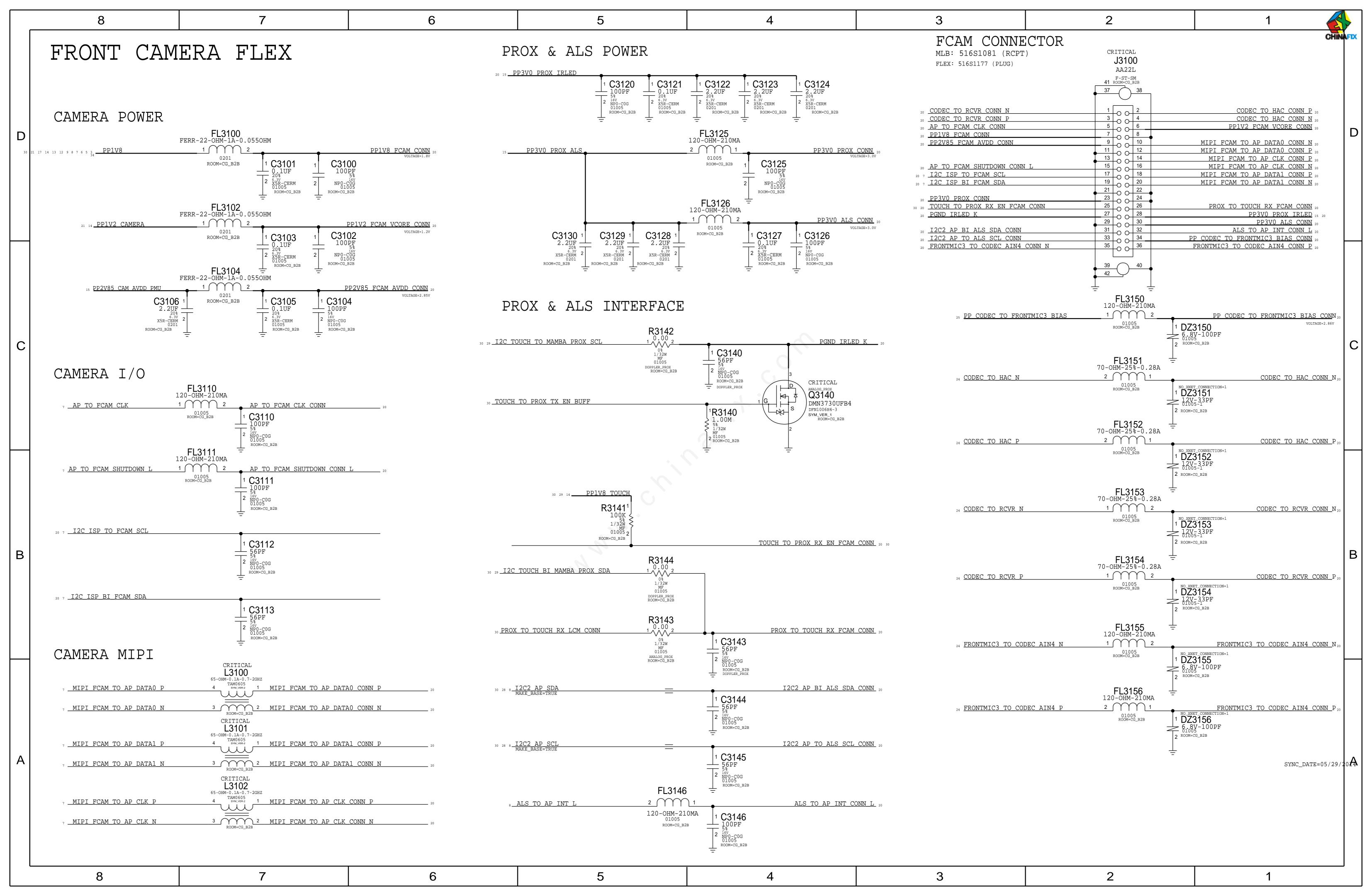


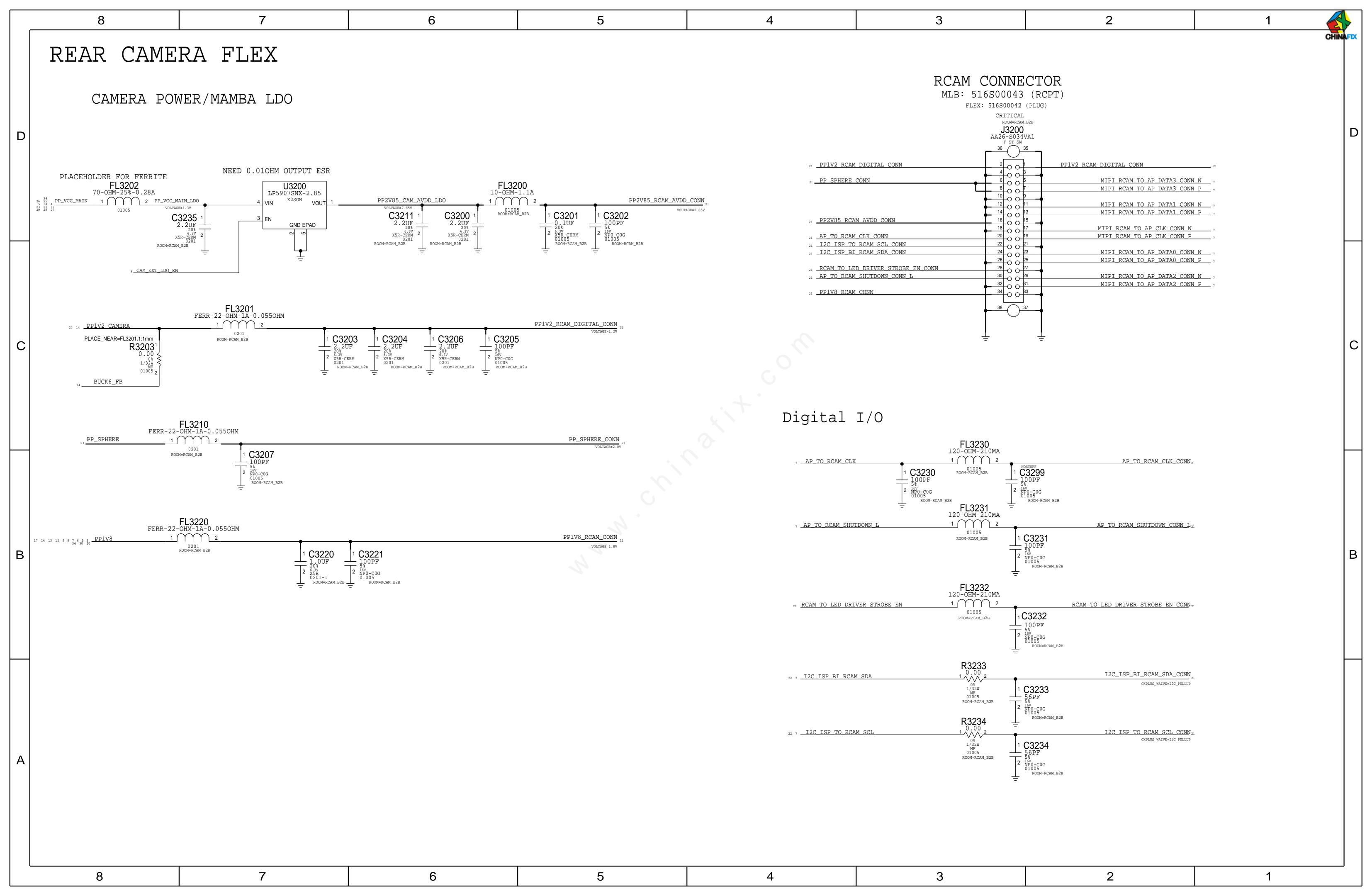


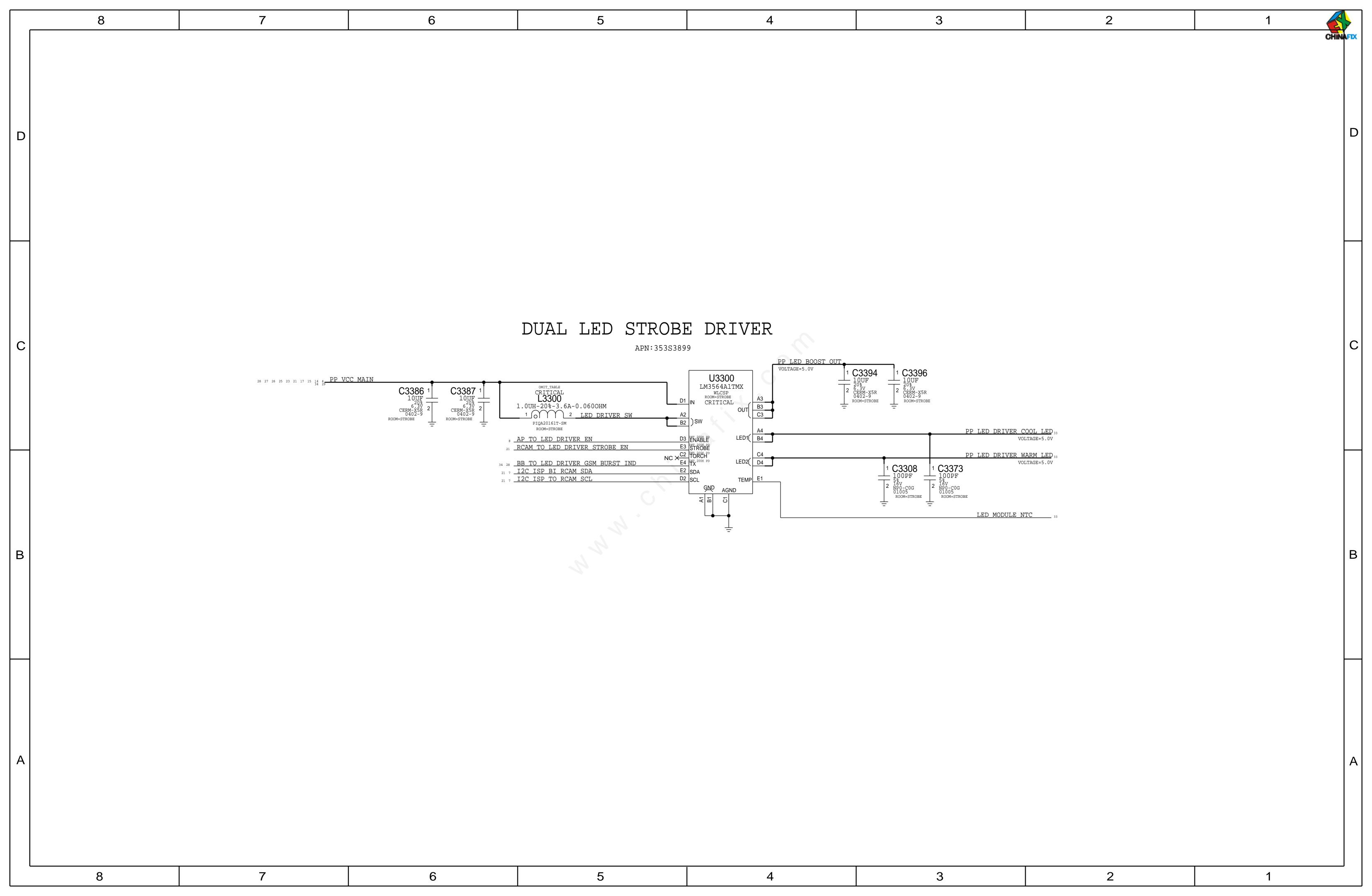


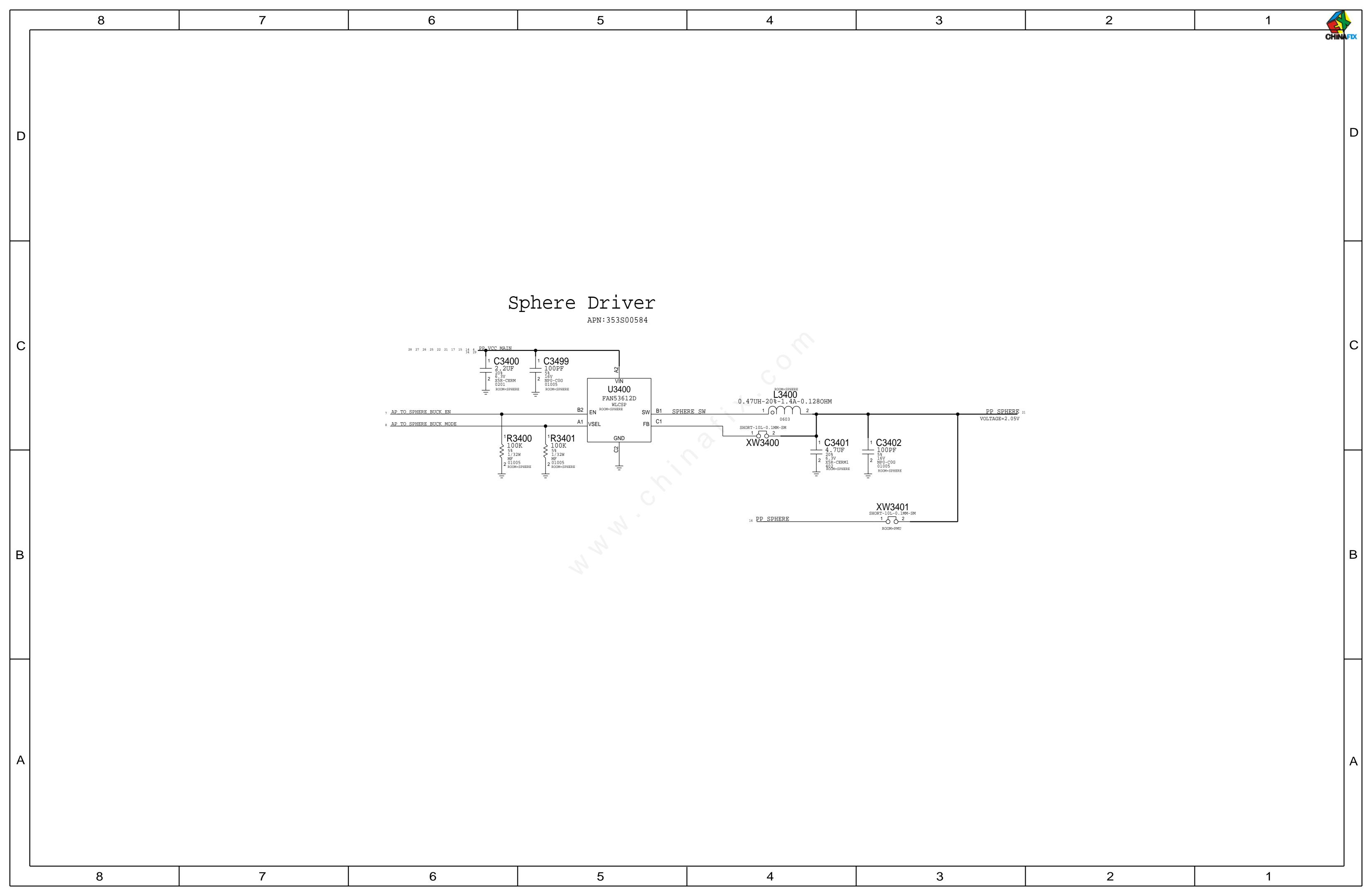


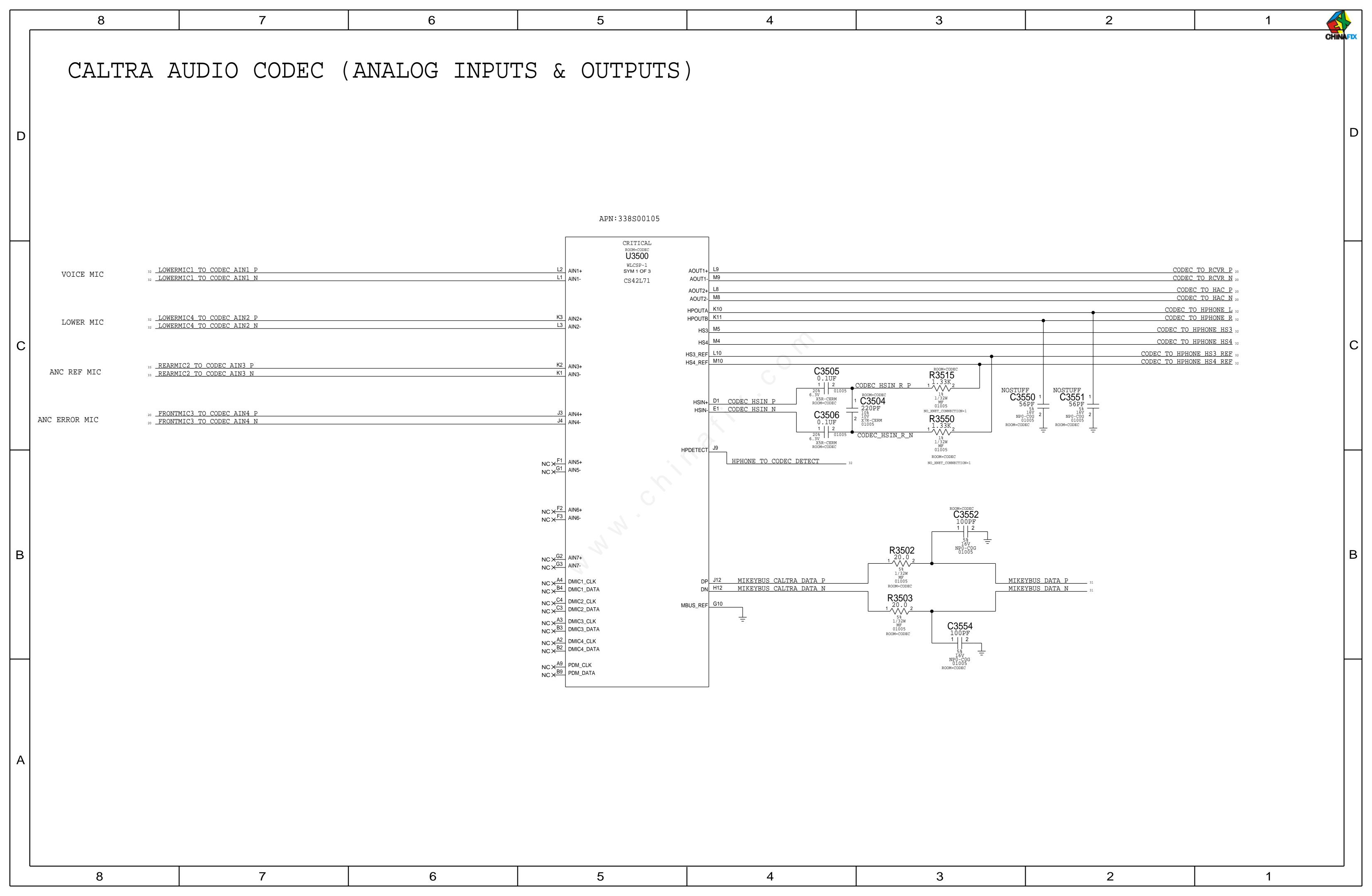


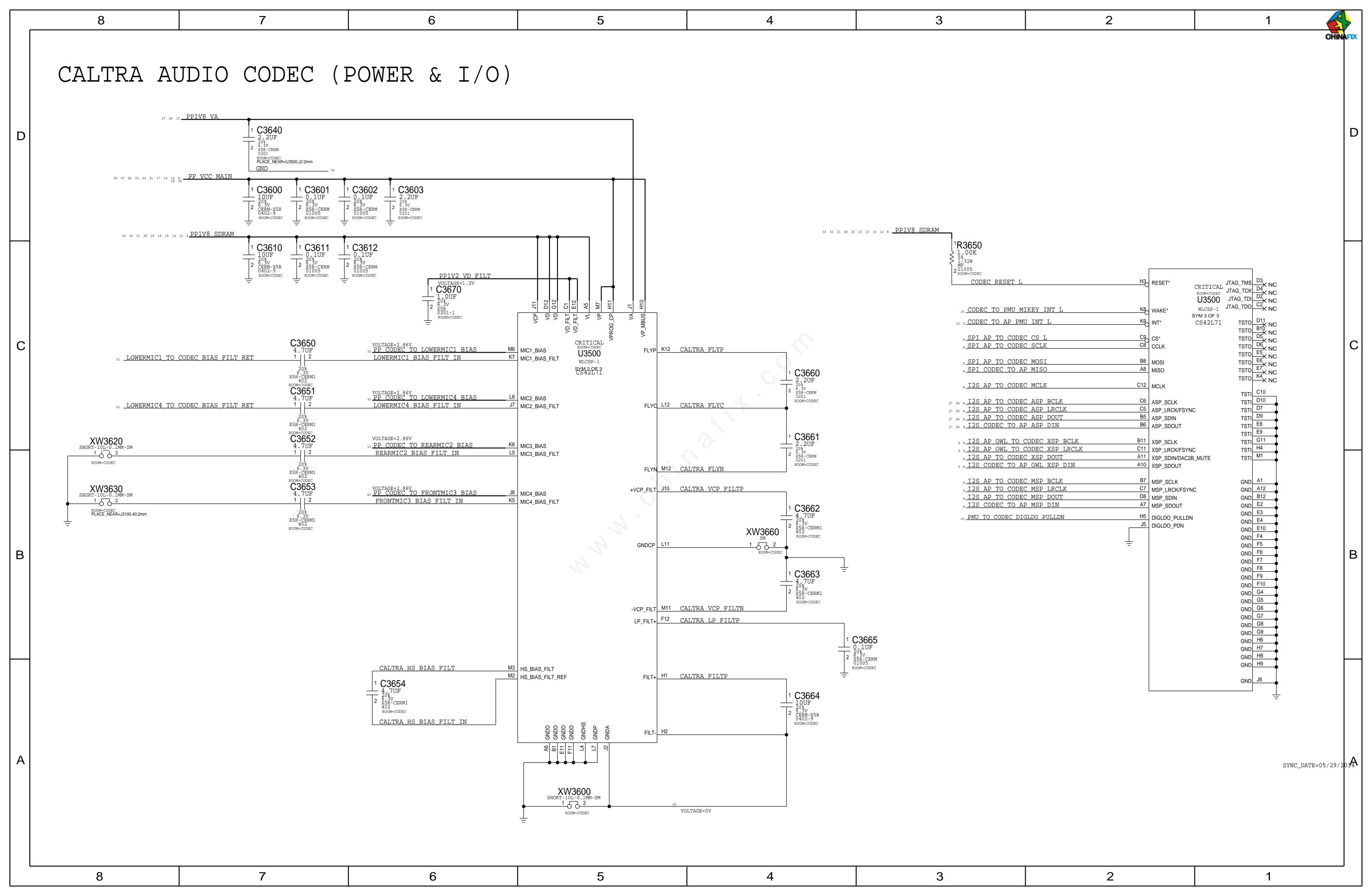


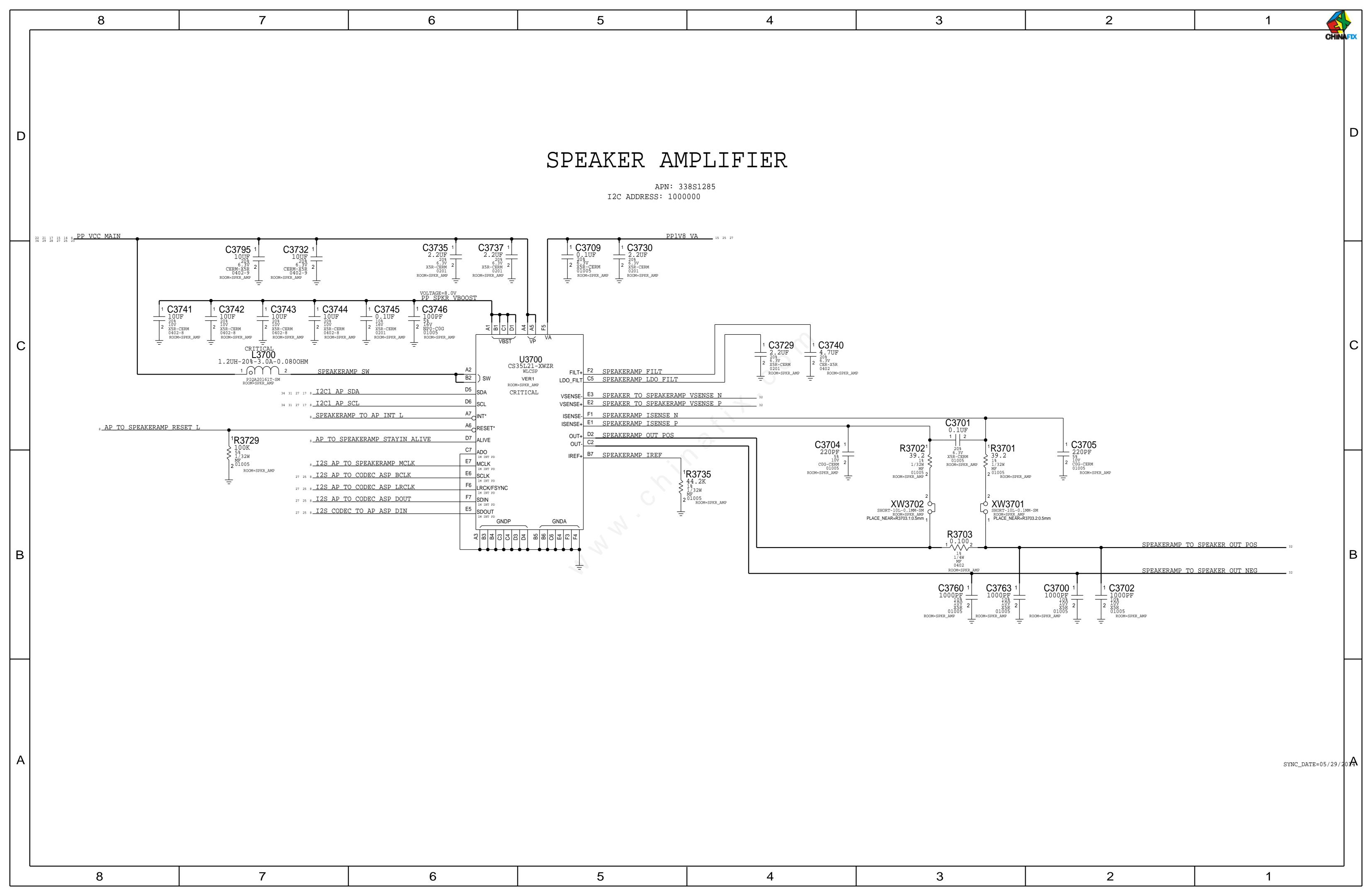


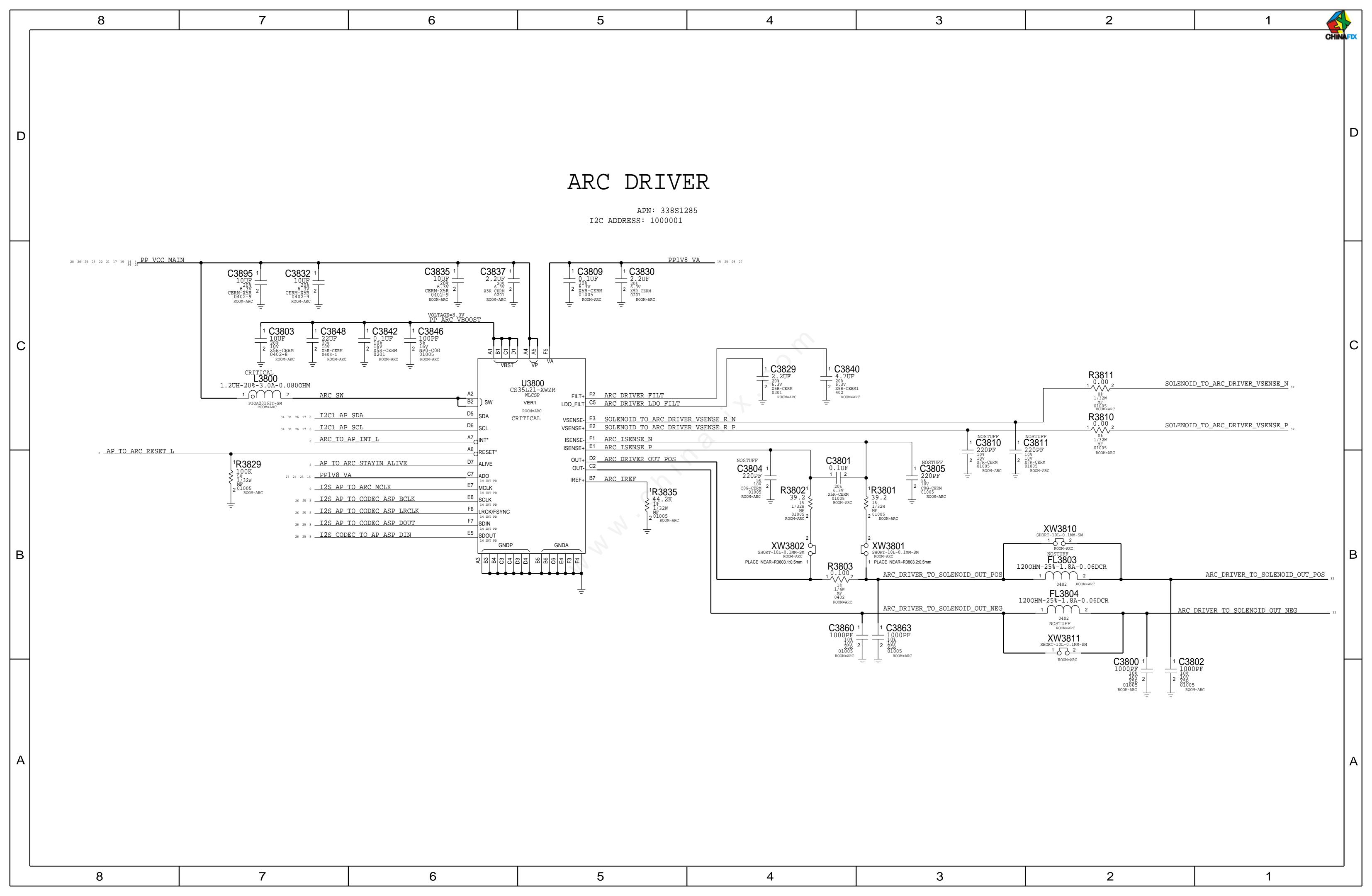


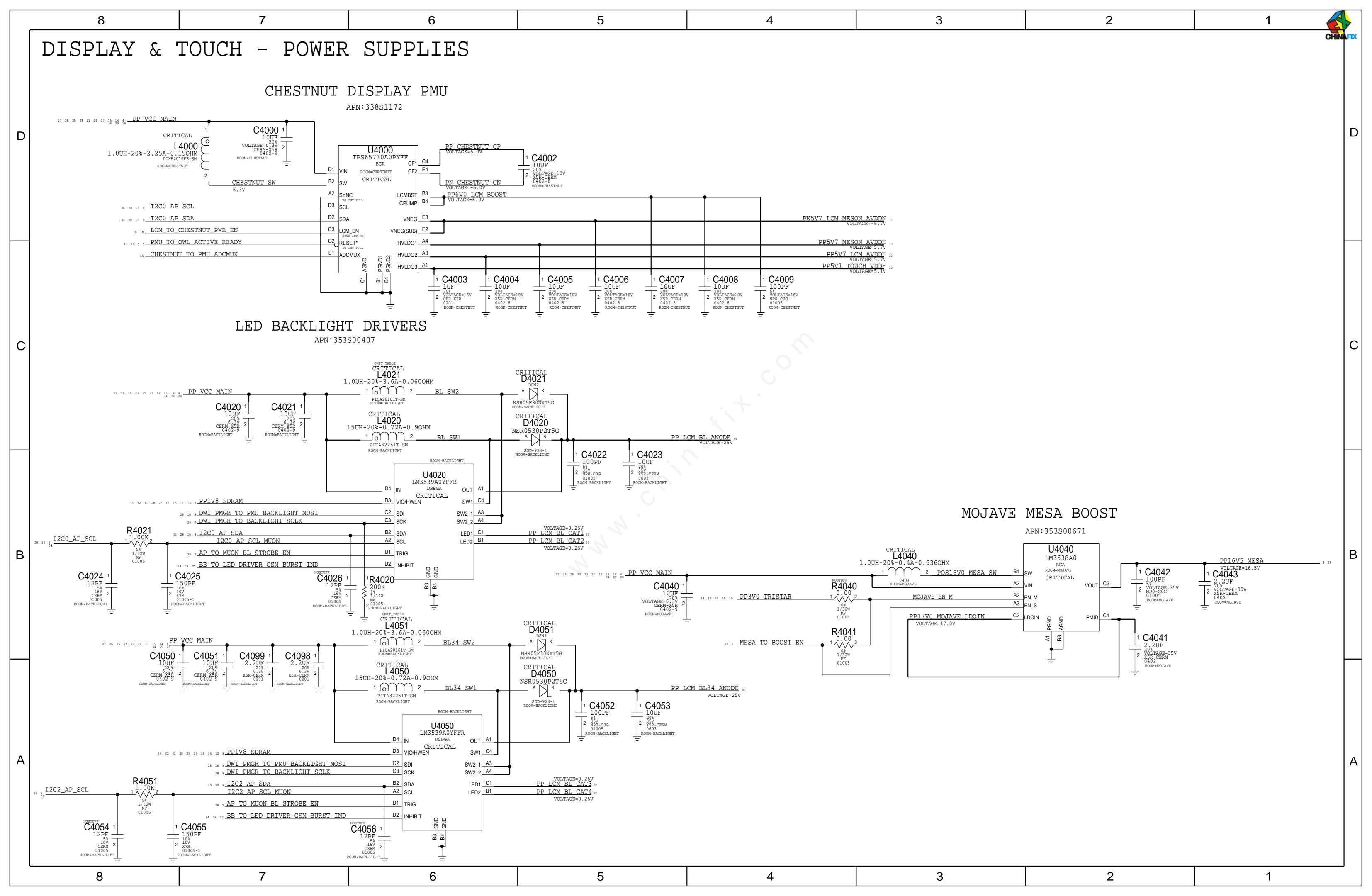


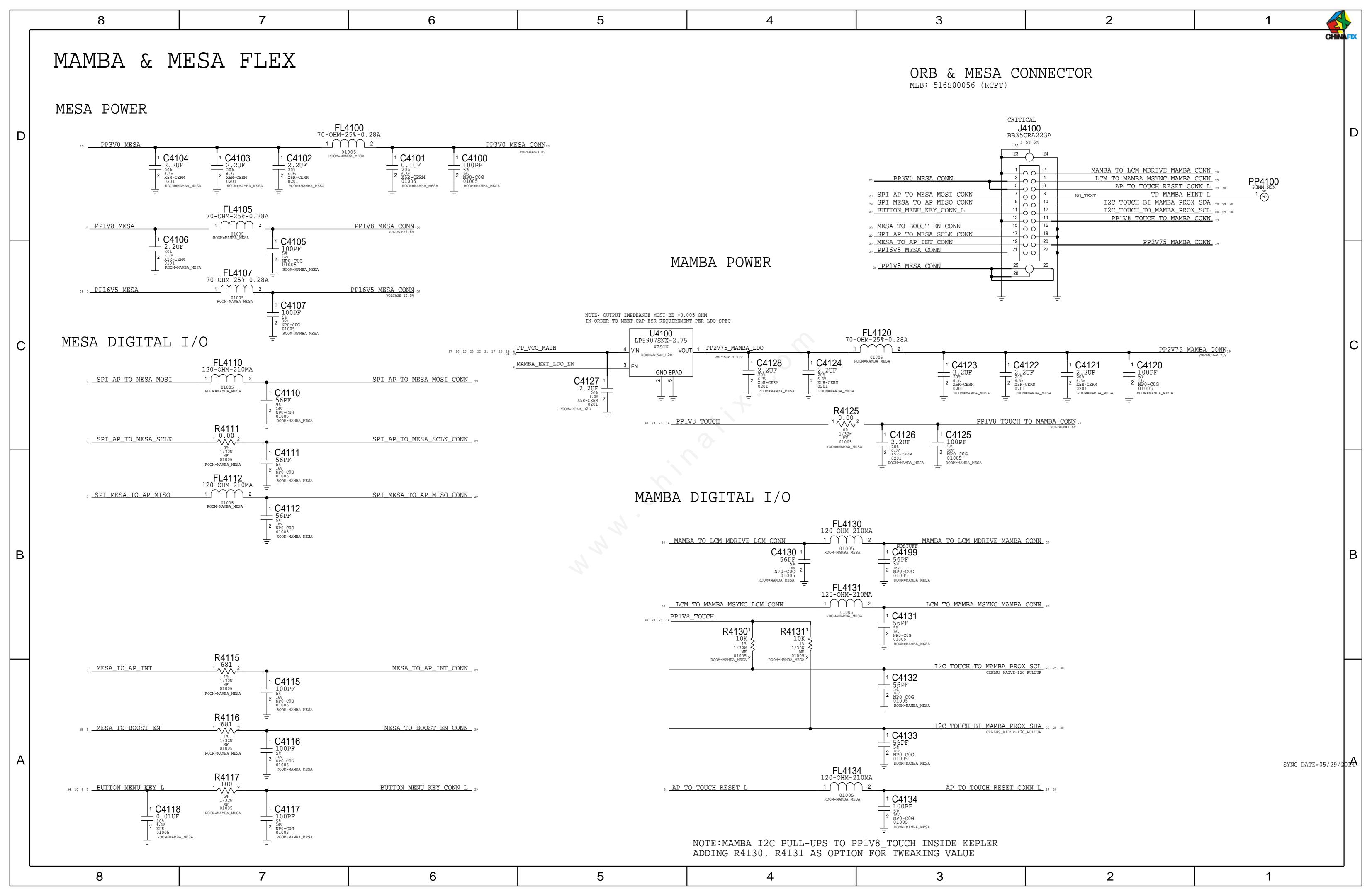


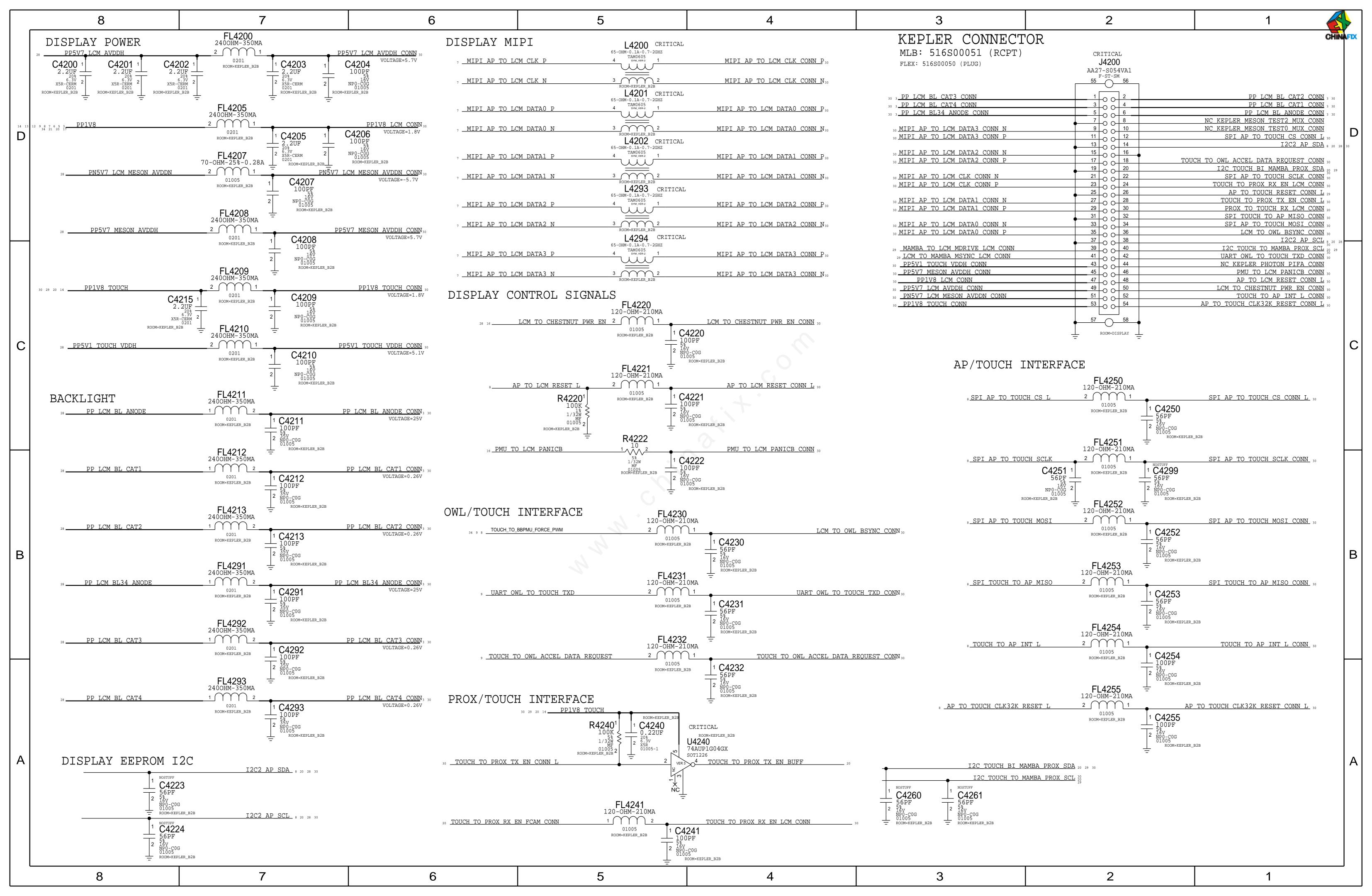


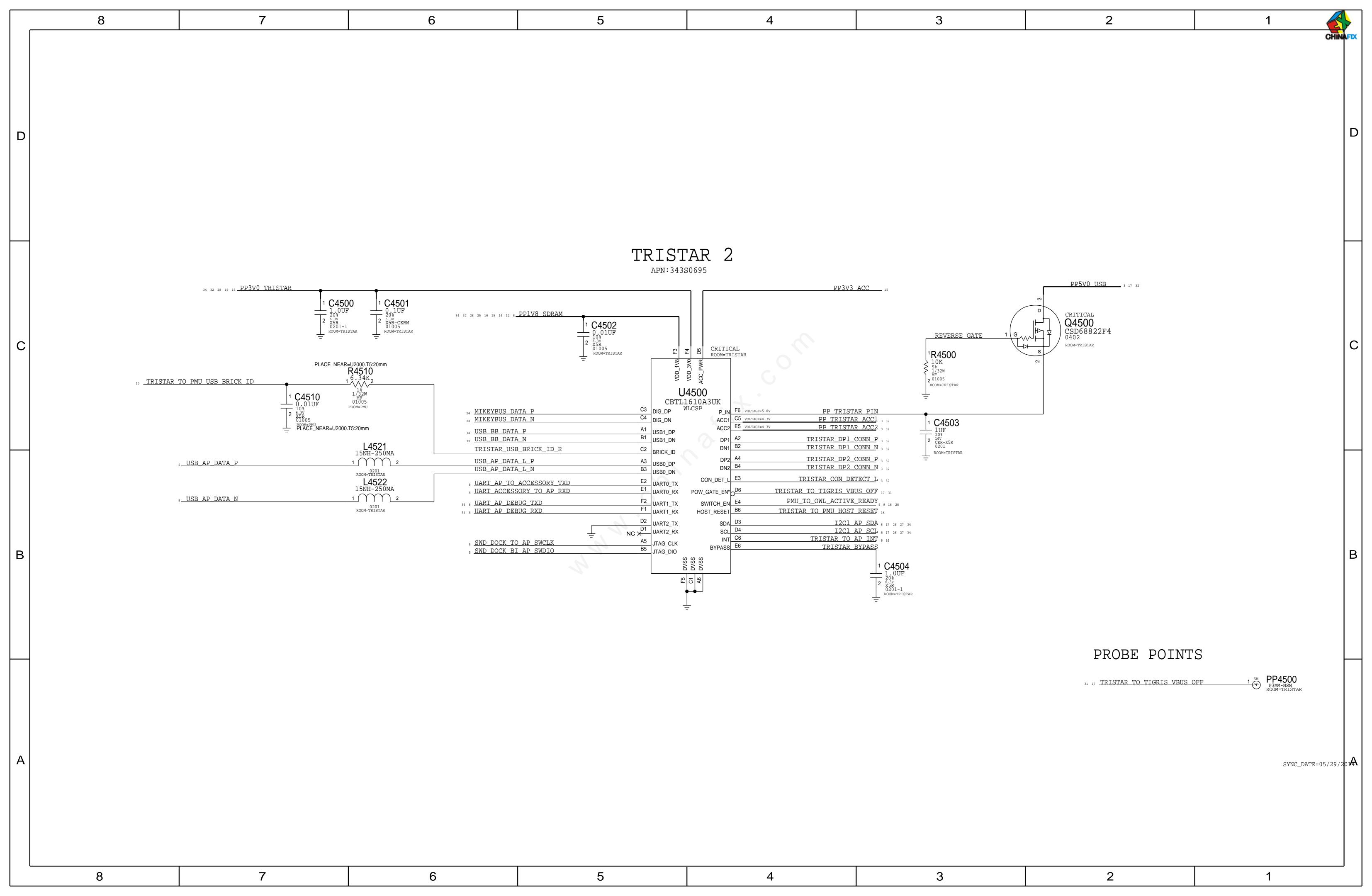


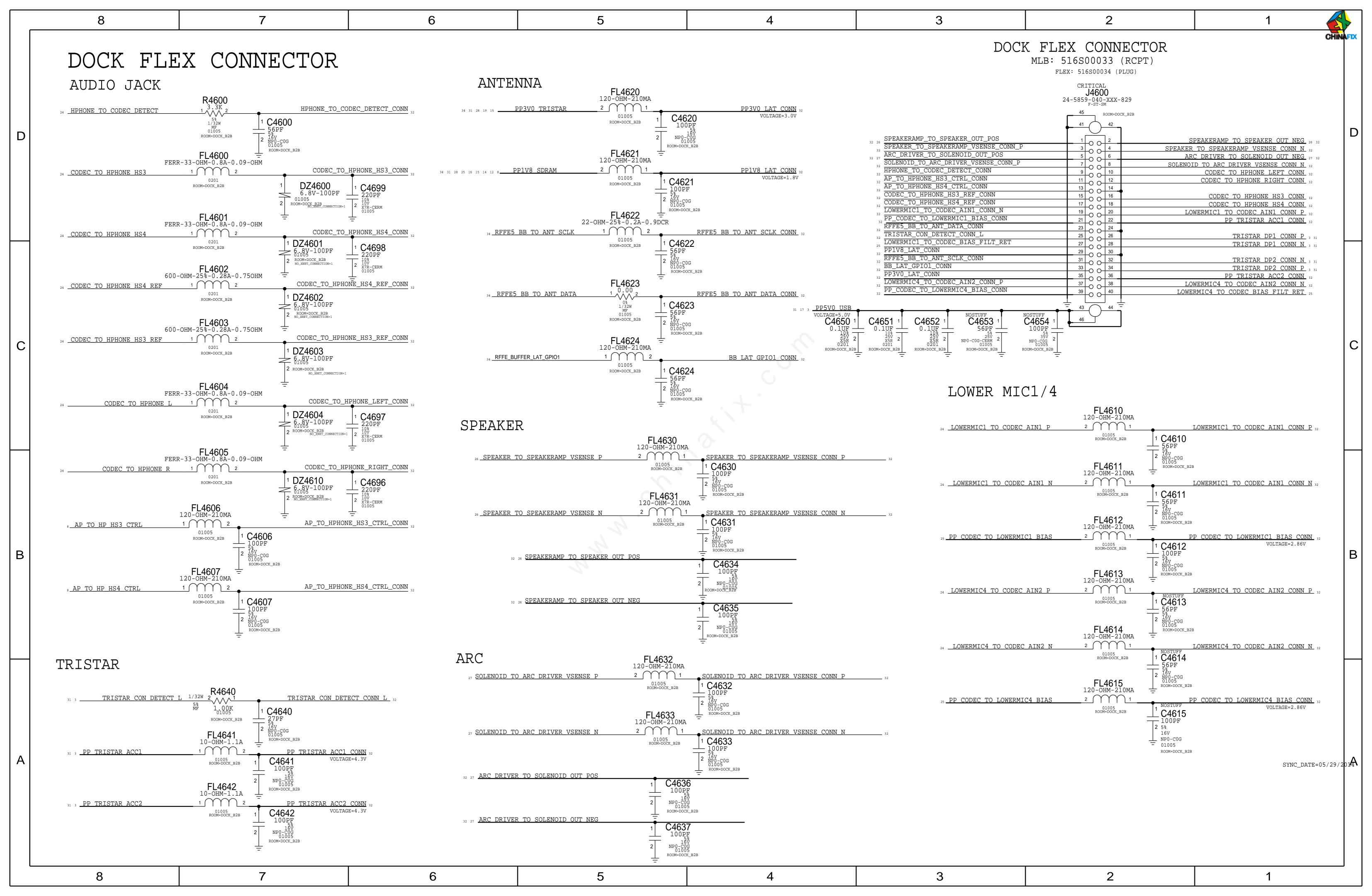


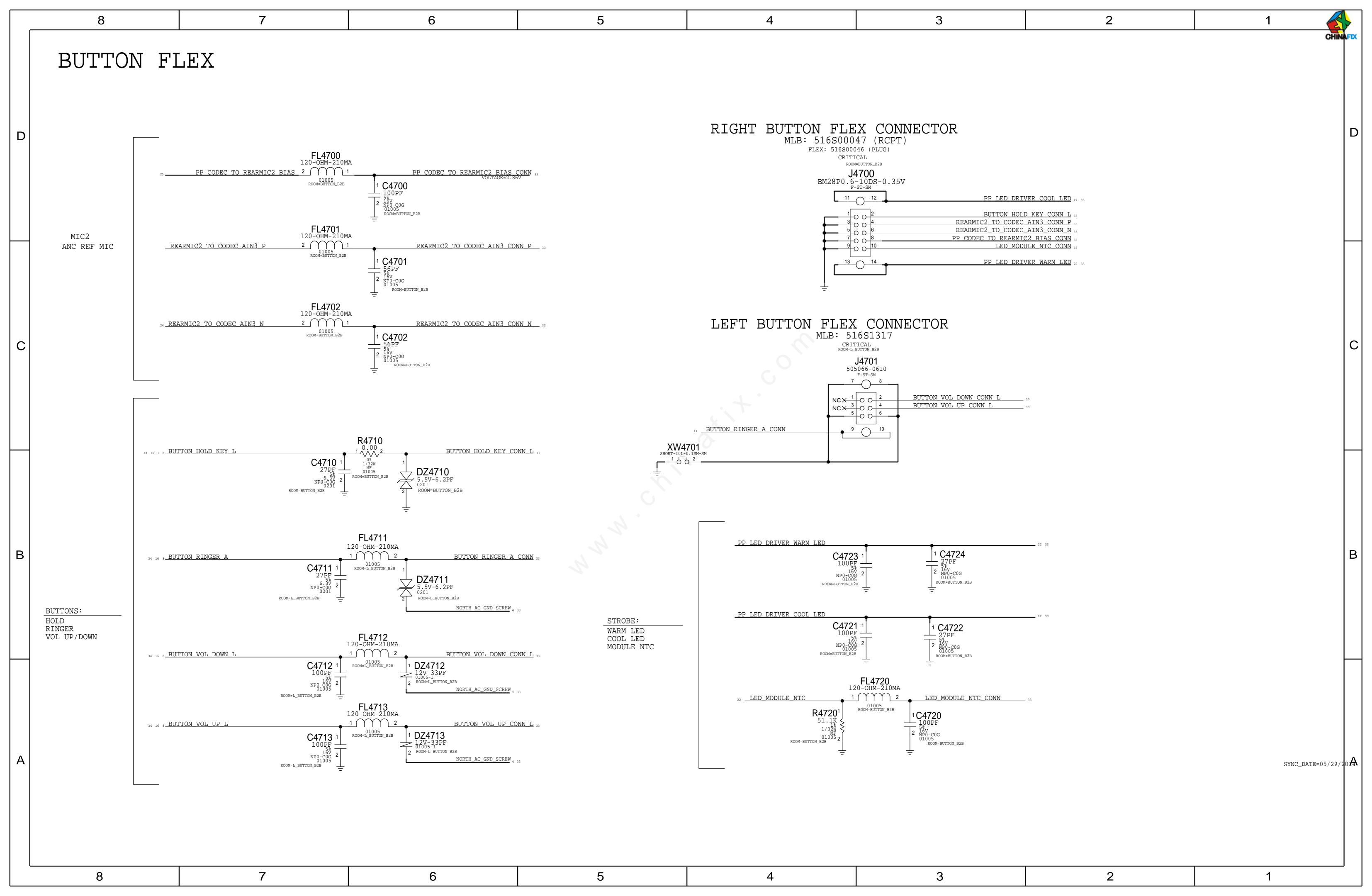












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	BASEBAND,	WLAN,	BT 8	STOCKHOLM					CHINAFIX
						SUBDESIGN_SUFFIX=RF			
					RADIO_MLB_MIMO SHARED POWER				
D			27 26 25 23 2	2 21 17 15 14 4 PP VCC MAIN  DD 210 TD I CTAD	PP_VCC_MAIN				D
			37 39 32 31 28	32 31 28 19 15 PP3V0 TRISTAR 25 16 15 14 12 8 PP1V8 SDRAM	PP3V0_TRISTAR PP1V8_SDRAM				
				39 6 PCIEO_AP_TO_BB_TX_P	BASEBAND  PCIE0_AP_TO_BB_TX_P	WLAN			
				PCIEO_AP_TO_BB_TX_N	PCIE0_AP_TO_BB_TX_N	PCIE_AP_TO_WLAN_TX_P	PCIE_AP_TO_WLAN_TX_P		
				PCIEO_BB_TO_AP_TX_P PCIEO_BB_TO_AP_TX_N	PCIE0_BB_TO_AP_TX_P PCIE0_BB_TO_AP_TX_N	PCIE_AP_TO_WLAN_TX_N  PCIE_WLAN_TO_AP_TX_P	PCIE_AP_TO_WLAN_TX_N 6 59  PCIE_WLAN_TO_AP_TX_P		
				PCIEO_AP_TO_BB_REFCLK_P PCIEO_AP_TO_BB_REFCLK_N	PCIE0_AP_TO_BB_REFCLK_P PCIE0_AP_TO_BB_REFCLK_N	PCIE_WLAN_TO_AP_TX_N	PCIE_WLAN_TO_AP_TX_N 6 59		
H				39 6 PCIE0_AP_TO_BB_PERST_L	PCIE0_AP_TO_BB_PERST_L	PCIE_AP_TO_WLAN_REFCLK_P PCIE_AP_TO_WLAN_REFCLK_N	PCIE_AP_TO_WLAN_REFCLK_P PCIE_AP_TO_WLAN_REFCLK_N 6 59		
				PCIE0_AP_TO_BB_CLKREQ_L  PCIE0_BB_TO_PMU_HOST_WAKE_L  AD_TO_BB_DCIE_DEV_WAKE	PCIE0_AP_TO_BB_CLKREQ_L PCIE0_BB_TO_PMU_HOST_WAKE_L PCIE0_AP_TO_BB_DEV_WAKE	PCIE_AP_TO_WLAN_PERST_L	PCIE_AP_TO_WLAN_RESET_L 6 59		
				39 8 <u>AP_TO_BB_PCIE_DEV_WAKE</u> I2S_AP_TO_BB_WS	PCIE0_AP_TO_BB_DEV_WAKE	PCIE_AP_TO_WLAN_DEV_WAKE	PCIE_AP_TO_WLAN_DEV_WAKE 8 59		
				39 8 39 8 12S_AP_TO_BB_CLK 12S_AP_TO_BB_TX	I2S_AP_TO_BB_CLK I2S_AP_TO_BB_TX	PCIE_WLAN_TO_AP_CLKREQ_L	PCIE_WLAN_TO_AP_CLKREQ_L 6 59		
				AP TO BRPMII RADIO ON I	I2S_BB_TO_AP_TX	UART4_AP_TO_WLAN_TX UART4_AP_TO_WLAN_RTS_L	UART4_AP_TO_WLAN_TX  UART4_AP_TO_WLAN_RTS_L  ** 59 ** 59 ** 11APT4_M/LAN_TO_AP_TY		
				PMU_TO_BBPMU_RESET_L  AP TO BB RESET L	AP_TO_BBPMU_RADIO_ON_L PMU_TO_BBPMU_RESET_L AD_TO_BB_PESET_T.	UART4_WLAN_TO_AP_TX UART4_WLAN_TO_AP_RTS_L	UART4_WLAN_TO_AP_TX 8 59  UART4_WLAN_TO_AP_RTS_L 8 59		
C				43 8 BB_TO_AP_RESET_DET_L	AP_TO_BB_RESET_L  BB_TO_AP_RESET_DET_L	PMU_TO_WLAN_32K_CLK PMU_TO_WLAN_REG_ON	PMU_TO_WLAN_32K_CLK PMU_TO_WLAN_REG_ON WLAN_TO_PMU_HOST_WAKE 16 59		
				39 28 22 BB TO LED DRIVER GSM BURST IND 39 8 AP TO BB MESA ON L	BB_TO_LED_DRIVER_GSM_BURST_IND  AP_TO_BB_MESA_ON_L	WLAN_TO_PMU_HOST_WAKE			
				39 8 BB TO AP GPS TIME MARK  39 8 AP TO BB COREDUMP_TRIG	BB_TO_AP_GPS_TIME_MARK AP_TO_BB_COREDUMP_TRIG	OWL_TO_WLAN_CONTEXT_A OWL_TO_WLAN_CONTEXT_B	OWL_TO_WLAN_CONTEXT_A OWL_TO_WLAN_CONTEXT_B 9 59		
				43 8 AP_TO_BB_IPC_GPIO  39 30 9 8 TOUCH_TO_BBPMU_FORCE_PWM  39 9 UARTO OWL TO BB TX	AP_TO_BB_IPC_GPIO TOUCH_TO_BBPMU_FORCE_PWM UARTO_OWL_TO_BB_TX				
				39 9 <u>UARTO_BB_TO_OWL_TX</u>	UARTO_BB_TO_OWL_TX	BLUETOOTH			
				USB BB DATA P USB BB DATA N	USB_BB_DATA_P USB_BB_DATA_N	I2S_AP_TO_BT_LRCK I2S_AP_TO_BT_BCLK	I2S_AP_TO_BT_LRCLK  I2S_AP_TO_BT_BCLK  I2S_AP_TO_BT_DOUT  12S_BT_TO_AP_DOUT  8 59		
				44 16 <u>USB_BB_VBUS_DETECT</u> SWD_AP_PERIPHERAL_SWCLK	USB_BB_VBUS_DETECT SWD_AP_PERIPHERAL_SWCLK	I2S_AP_TO_BT_DOUT I2S_BT_TO_AP_DOUT			
				SWD_IO_BB_JTAG_TMS	SWD_IO_BB_JTAG_TMS	UART1_AP_TO_BT_TX UART1_AP_TO_BT_RTS_L	UART1_AP_TO_BT_TX  UART1_AP_TO_BT_RTS_L  8 59		
				RFFE5 BB TO ANT SCLK	RFFE5_BB_TO_ANT_SCLK	UART1_BT_TO_AP_TX UART1_BT_TO_AP_RTS_L	UART1_BT_TO_AP_TX		
				36 32 RFFE5 BB TO ANT DATA 43 32 RFFE_BUFFER_LAT_GPIO1	RFFE5_BB_TO_ANT_DATA RFFE_BUFFER_LAT_GPIO1	PMU_TO_BT_REG_ON	PMU_TO_BT_REG_ON BT_TO_PMU_HOST_WAKE AP_TO_BT_WAKE 8 59		
				45 16 PP_UIM1_LD011 45 16 PP_0V9_SMPS1	BB_TO_PMU_AMUX_LDO11_SIM1 BB_TO_PMU_AMUX_SMPS1	BT_TO_PMU_HOST_WAKE AP_TO_BT_WAKE	AP_TO_BT_WAKE 8 59		
В				PP_1V0_SMPS3  45 16 PP_1V85_SMPS4	BB_TO_PMU_AMUX_SMPS4  BB_TO_PMU_AMUX_SMPS4	STOCKHOLM			В
						UART3_AP_TO_STOCKHOLM_TXD	UART3_AP_TO_STOCKHOLM_TXD  UART3_AP_TO_STOCKHOLM_RTS_L  8 39		
					ANT	UART3_AP_TO_STOCKHOLM_RTS_L UART3_STOCKHOLM_TO_AP_TXD UART3_STOCKHOLM_TO_AP_RTS_L	UART3_AP_TO_STOCKHOLM_RTS_L  UART3_STOCKHOLM_TO_AP_TXD  UART3_STOCKHOLM_TO_AP_RTS_L  UART3_STOCKHOLM_TO_AP_RTS_L  8 39		
						PMU_TO_STOCKHOLM_EN			
				60 4 AP TO STOCKHOLM ANT	AP_TO_STOCKHOLM_ANT	STOCKHOLM_TO_PMU_HOST_WAKE AP_TO_STOCKHOLM_DEV_WAKE	PMU_TO_STOCKHOLM_EN STOCKHOLM_TO_PMU_HOST_WAKE AP_TO_STOCKHOLM_DEV_WAKE AP_TO_STOCKHOLM_FW_DWLD_REQ 7 60		
					AP_TO_STOCKHOLM_ANT  AP DEBUG	AP_TO_STOCKHOLM_FW_DWLD_REQ	AF_IO_SIOCKHOLIVI_FW_DWVLD_KEQ 7 60		
H			21 20 17 14	13 12 9 8 7 6 5 3 PP1V8 8 3 DFU_STATUS	PP1V8 DFU_STATUS				
				39 8 3 FORCE DFU	FORCE_DFU				
				16 9 5 3 PMU TO SYSTEM COLD RESET L 39 28 16 8 I 2CO AP SCL	PMU_TO_SYSTEM_COLD_RESET_L				
				39 28 16 8 I2CU AP SCL 39 28 16 8 I2CO AP SDA 39 31 27 26 17 8 I2C1 AP SCL	12C0_AP_SCL   12C0_AP_SDA   12C1_AP_SCL				
				39 31 27 26 17 8 I 2C1 AP SDA 39 33 16 9 8 BUTTON HOLD KEY L	I2C1_AP_SDA BUTTON_HOLD_KEY_L				
				39 29 16 9 8 <u>BUTTON MENU KEY L</u> 39 33 16 8 <u>BUTTON RINGER A</u>	BUTTON_MENU_KEY_L BUTTON_RINGER_A				
				39 33 16 8 BUTTON VOL DOWN L 39 33 16 8 BUTTON VOL UP L NC PMU GPIO20	BUTTON_VOL_DOWN_L BUTTON_VOL_UP_L PMU_GPIO20				
				NC PMU GPIO21  NC OWL FUNC2	IO_TEST         PMU_GPIO20           IO_TEST         PMU_GPIO21           IO_TEST         OWL_FUNC2				
				NC AP RESERVED2  31 8 UART AP DEBUG RXD	AP_RESERVED2 AP_RESERVED1				
					AP_RESERVED0 PMU_AMUX_AY				
				INC PINO APION DI	IO_TEST PMU_AMUX_BY				
		_							
	8	7		6	5	4	3	2	1

6 CK APPD 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5% REV DESCRIPTION OF REVISION 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. 0004600844 PRODUCTION RELEASED 2015-07-30 N66 RADIO\_MLB\_MIMO - PVT 19.2MHZ XTAL ALTERNATE JULY 30, 2015 SIM ESD DIODE ALTERNATE REF DES COMMENTS: ALTERNATE FOR PART NUMBER REF DES | COMMENTS: Y\_XO\_RF XTAL, 19.2MHZ 197S0565 197S0593 ALTERNATE 377S00042 ALTERNATE 197S0598 197S0593 ALTERNATE XTAL, 19.2MHZ RF2 HB PAD MATCHING BOM OPTIONS ROW HB PAD MATCHING BOM OPTIONS QTY DESCRIPTION REFERENCE DESIGNATOR(S) CONTENTS PDF PAGE CSA PAGE 3.0NH, INDUCTOR L4105\_RF REFERENCE DESIGNATOR(S) ELNA & UAT ANT FEED 152S1907 3.3NH, INDUCTOR L4105\_RF FE: ANT CONNECTORS AND UAT TUNER 131S0631 0.3PF, CAPACITOR L4401\_RF 152S2007 8.2NH, INDUCTOR L4401\_RF 1.8NH, INDUCTOR C4405\_RF 30 DEBUG CONN & TEST POINTS 131S0426 22PF, CAPACITOR C4405\_RF 152S2042 1.8NH, INDUCTOR C4406\_RF C4406\_RF CELLULAR BASEBAND: POWER1 0.3PF, CAPACITOR L4407\_RF 131S0425 0.5PF, CAPACITOR L4407\_RF CELLULAR BASEBAND: POWER2 32 L4403\_RF 152S2041 10.0NH, INDUCTOR L4403\_RF 152S2051 1.3NH, INDUCTOR C4407\_RF 131S00071 33PF, CAPACITOR CELLULAR BASEBAND: CONTROL AND INTERFACES C4407\_RF 1.3NH, INDUCTOR C4408\_RF 152S00143 15NH, INDUCTOR L4404\_RF CELLULAR BASEBAND: GPIOS 100PF, CAPACITOR C4409\_RF CELLULAR PMU: CONTROL AND CLOCKS 0.2PF, CAPACITOR L4410\_RF 117S0108 51 OHM, RESISTOR L4410\_RF C3921\_RF 131S0599 1.5PF, CAPACITOR C3921\_RF CELLULAR PMU: SWITCHERS AND LDOS 3.7NH, INDUCTOR L3910\_RF 152S00052 3.4NH, INDUCTOR L3910\_RF 37 CELLULAR PMU: ET MODULATOR O OHM, RESISTOR L3911\_RF O OHM, RESISTOR L3911\_RF 12 CELLULAR TRANSCEIVER: POWER 3.0NH, INDUCTOR L3919\_RF 152S2039 3.8NH, INDUCTOR L3912\_RF 13 CELLULAR TRANSCEIVER: PRX PORTS 5.0PF, CAPACITOR C4410\_RF C3922\_RF CELLULAR TRANSCEIVER: DRX/GPS PORTS 27PF, CAPACITOR C3911\_RF 5.0PF, CAPACITOR C4410\_RF CELLULAR TRANSCEIVER: TX PORTS CELLULAR FRONT END: LB PAD ROW LB PAD MATCHING BOM OPTIONS RF2 LB PAD MATCHING BOM OPTIONS CELLULAR FRONT END: MB PAD REFERENCE DESIGNATOR(S) BOM OPTION TROTEY DESCRIPTION 1.0PF, CAPACITOR CELLULAR FRONT END: HB PAD 131S0555 TRUE 1.0PF, CAPACITOR 4.1NH, INDUCTOR C4205\_RF 152S00158 TRUE 4.1NH, INDUCTOR C4205\_RF CELLULAR FRONT END: 2G PA 0.5PF, CAPACITOR L4204\_RF 131S0425 TRUE 0.5PF, CAPACITOR L4204\_RF CELLULAR FRONT END: LB ASM 152S2053 1 4.7NH, INDUCTOR C4206\_RF 152S2053 TRUE 4.7NH, INDUCTOR C4206\_RF 1.0PF, CAPACITOR 131S0555 TRUE 1.0PF, CAPACITOR L4205\_RF CELLULAR FRONT END: MB-HB ASM 3.7NH, INDUCTOR C4207\_RF 152S00027 TRUE | 3.7NH, INDUCTOR C4207\_RF 22 CELLULAR FRONT END: DIVERSITY 131S0557 0.7PF, CAPACITOR L4206\_RF 131S0557 TRUE 0.7PF, CAPACITOR L4206\_RF 23 152S2001 2.4NH, INDUCTOR C4208\_RF 152S2001 TRUE 2.4NH, INDUCTOR C4208\_RF 131S0351 0.4PF, CAPACITOR L4207\_RF WIFI/BT: WIFI/BT MODULE 0.4PF, CAPACITOR L4207\_RF 152S2002 2.7NH, INDUCTOR 152S2002 TRUE 2.7NH, INDUCTOR 51 25 STOCKHOLM 152S2002 2.7NH, INDUCTOR C4211\_RF 152S2002 TRUE 2.7NH, INDUCTOR C4211\_RF 152S2056 5.6NH, INDUCTOR C4212\_RF 152S2056 TRUE 5.6NH, INDUCTOR C4212\_RF 131S0340 2.0PF, CAPACITOR L4219\_RF 131S0340 TRUE 2.0PF, CAPACITOR L4219\_RF HB PAD 152S2021 1.5NH, INDUCTOR C4213\_RF 152S2021 TRU 1.5NH, INDUCTOR C4213\_RF QTY DESCRIPTION REFERENCE DESIGNATOR(S) **BOM OPTION** 0 OHM, RESISTOR R4201\_RF IC,PWR AMP,HB\_PAD,TQS 1 1.2PF, CAPACITOR 131S0551 TRUE 1.2PF, CAPACITOR L4601\_RF IC,PWR AMP,HB\_PAD,AVAGO UHBPA\_RF 1 15NH, INDUCTOR 152S1342 L3902\_RF 152S1342 TRUE 15NH, INDUCTOR L3902\_RF IC,PWR AMP,HB\_PAD,PT UHBPA\_RF 1 27PF, CAPACITOR C3902\_RF 131S0630 27PF, CAPACITOR C3902\_RF LB PAD QTY DESCRIPTION REFERENCE DESIGNATOR(S) BOM OPTION IC, PWR AMP, LB\_PAD, SKWS HW\_REV1\_ID RESISTOR IC,PWR AMP,LB\_PAD,SKWS QTY DESCRIPTION REFERENCE DESIGNATOR(S) **BOM OPTION** IC,PWR AMP,LB\_PAD,PT ULBPA\_RF DARWIN 118S0646 | 1 | 51.1 KOHM, RESISTOR R3503\_RF MB PAD QTY DESCRIPTION REFERENCE DESIGNATOR(S) BOM OPTION 353S4495 IC,PWR AMP,MB\_PAD IC,PWR AMP,MB\_PAD IC,PWR AMP,MB\_PAD, PT UMBPA\_RF DARWIN CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSE ONLY - NOT A CHANGE REQUEST

