



D

C

B

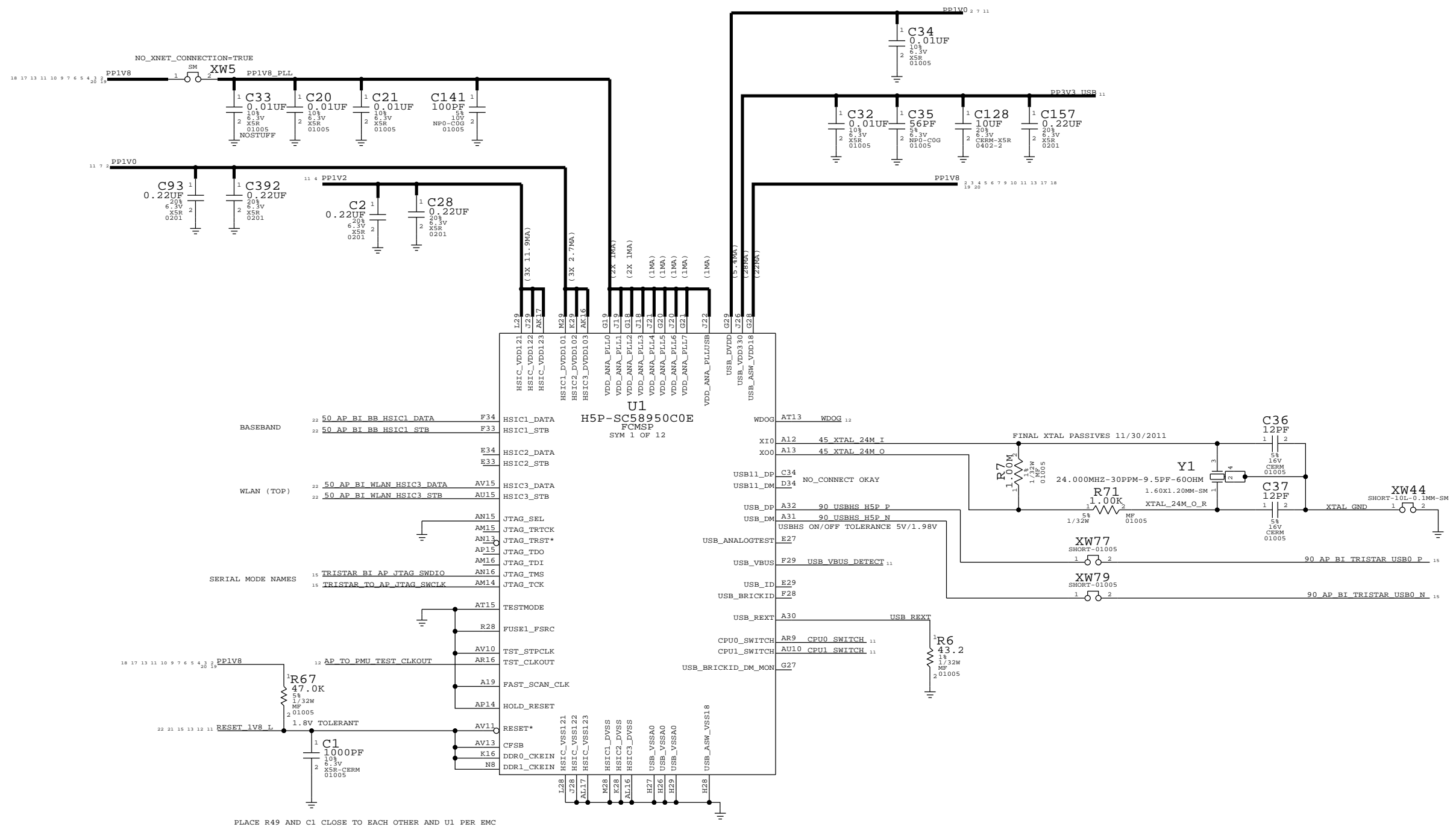
A

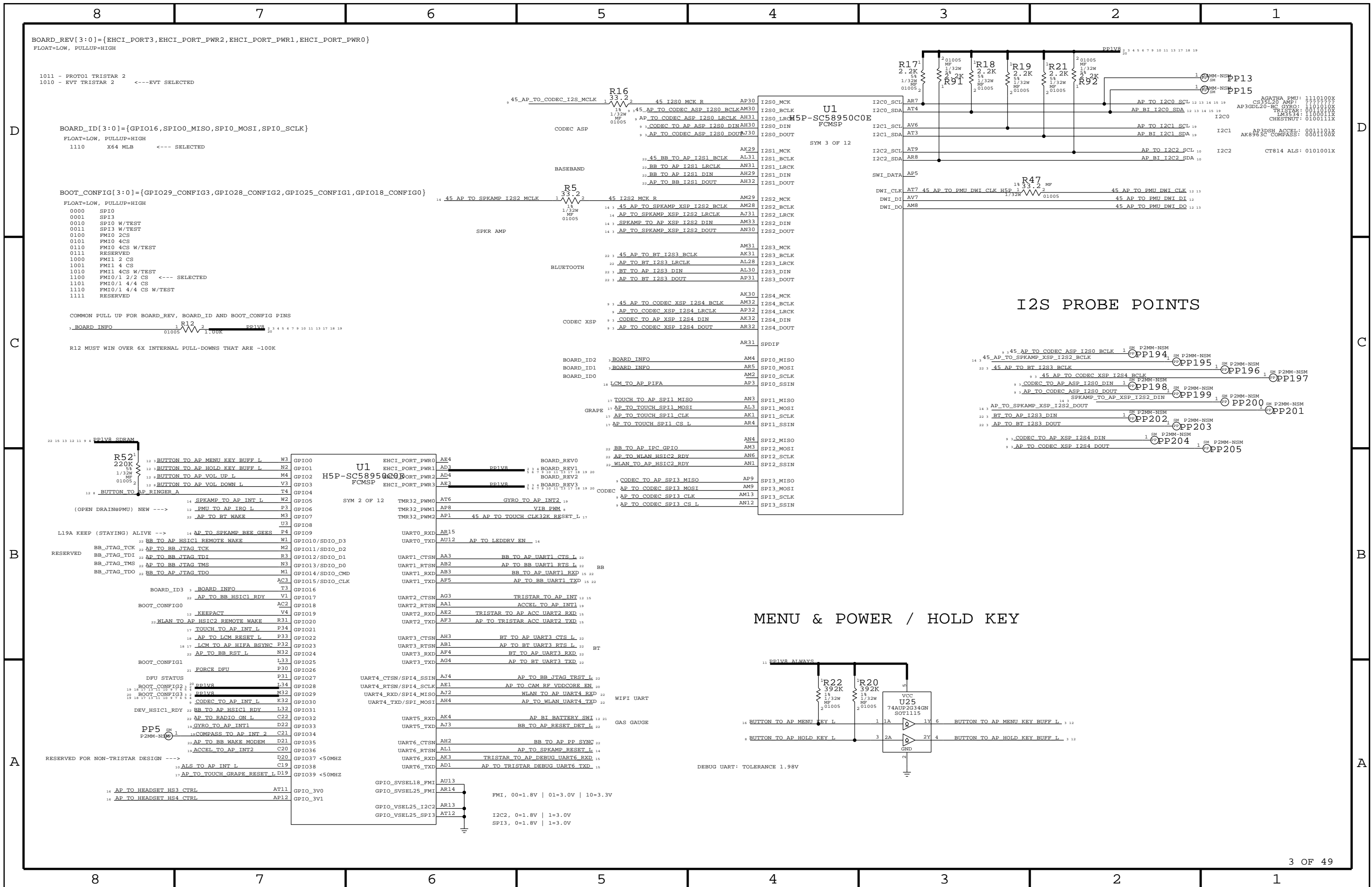
D

C

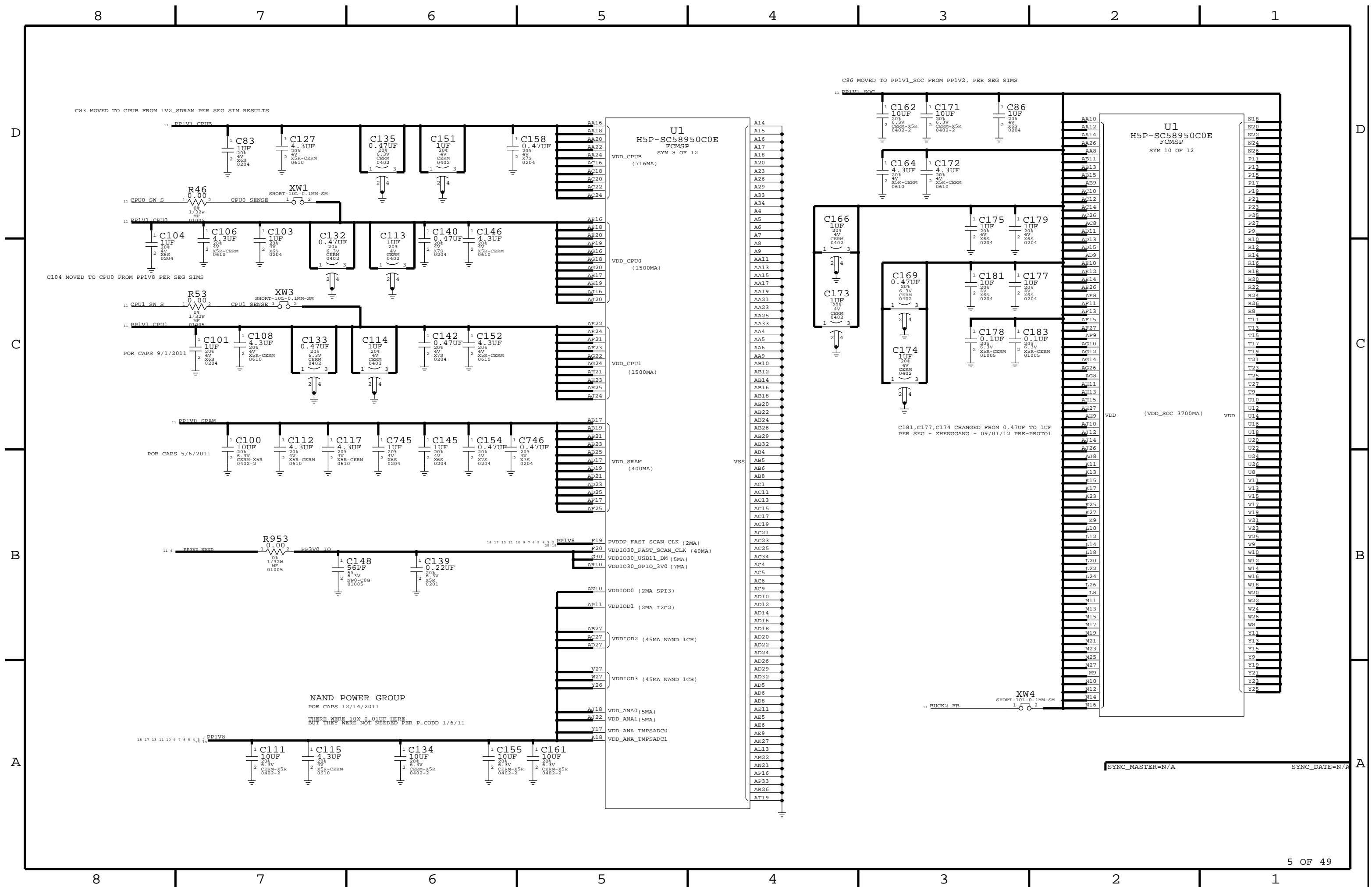
B

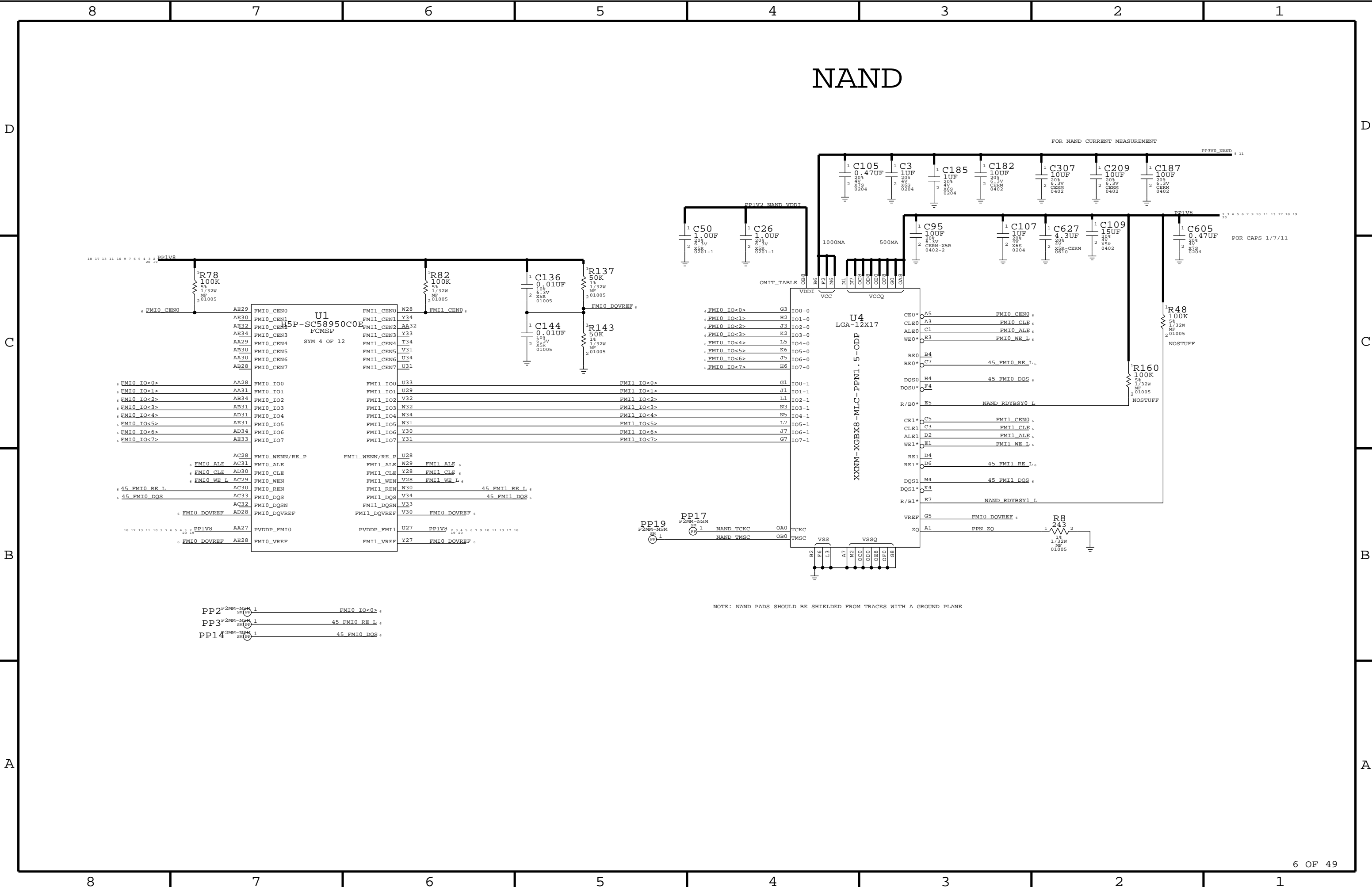
A





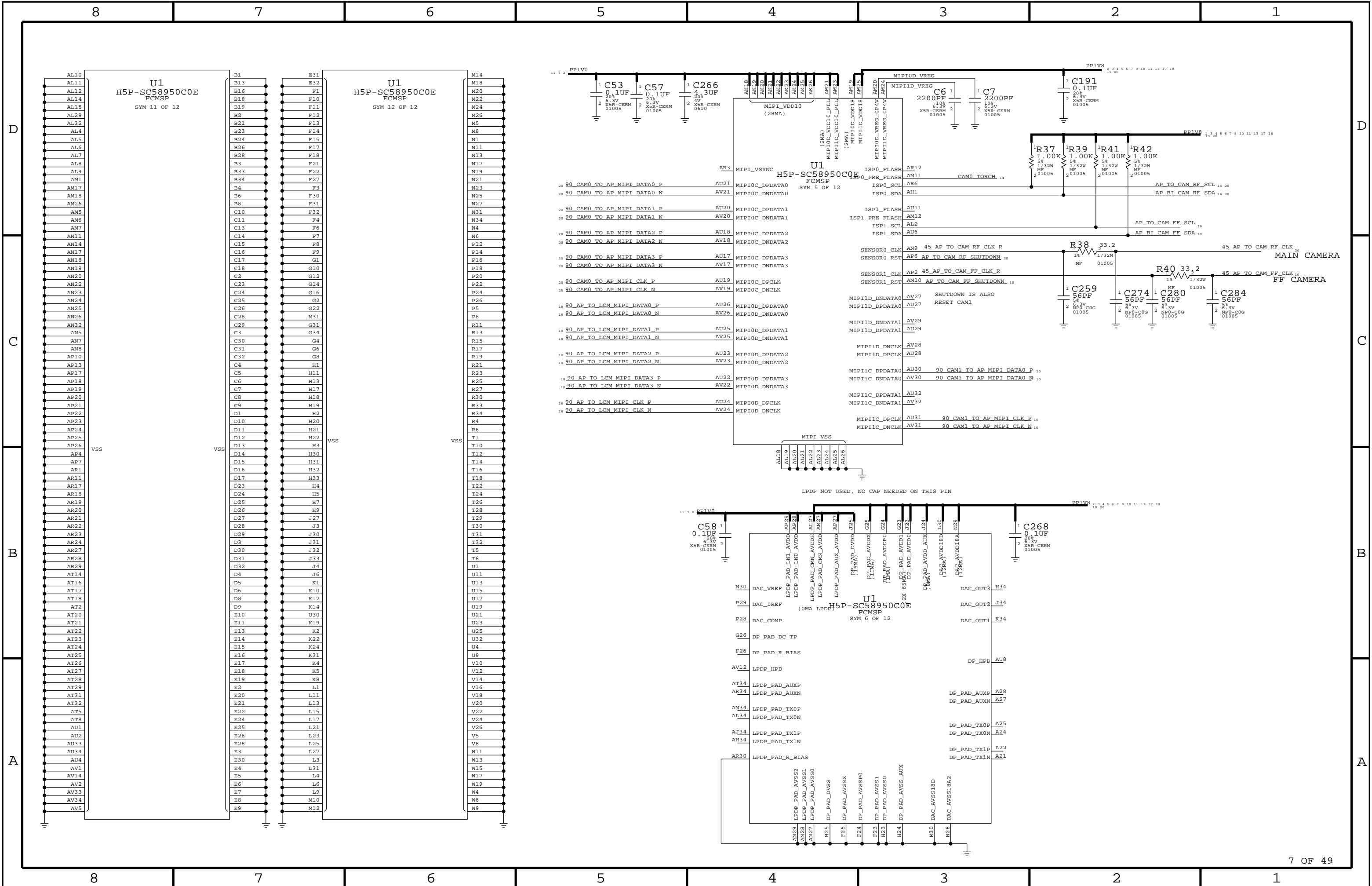






NAND

NOTE: NAND PADS SHOULD BE SHIELDED FROM TRACES WITH A GROUND PLANE



8 7 6 5 4 3 2 1

# BUTTON FLEX (VIBE DRIVER, BUTTONS, ANC REF MIC, STROBE, STROBE\_NTC)

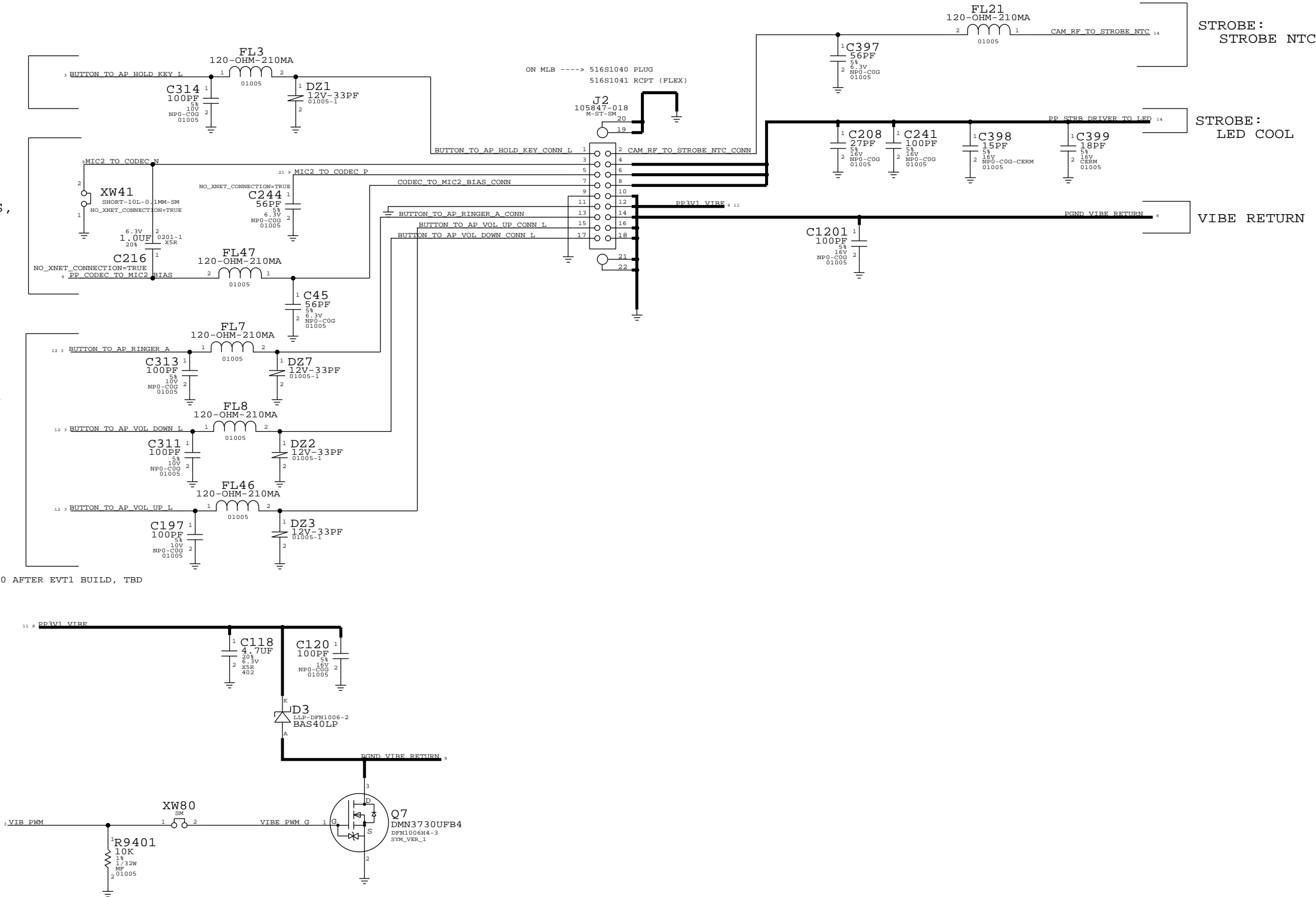
BUTTONS:  
HOLD

MIC2 (ANC REF MIC):  
MIC2/3 BIAS,  
MIC2\_P,\_N

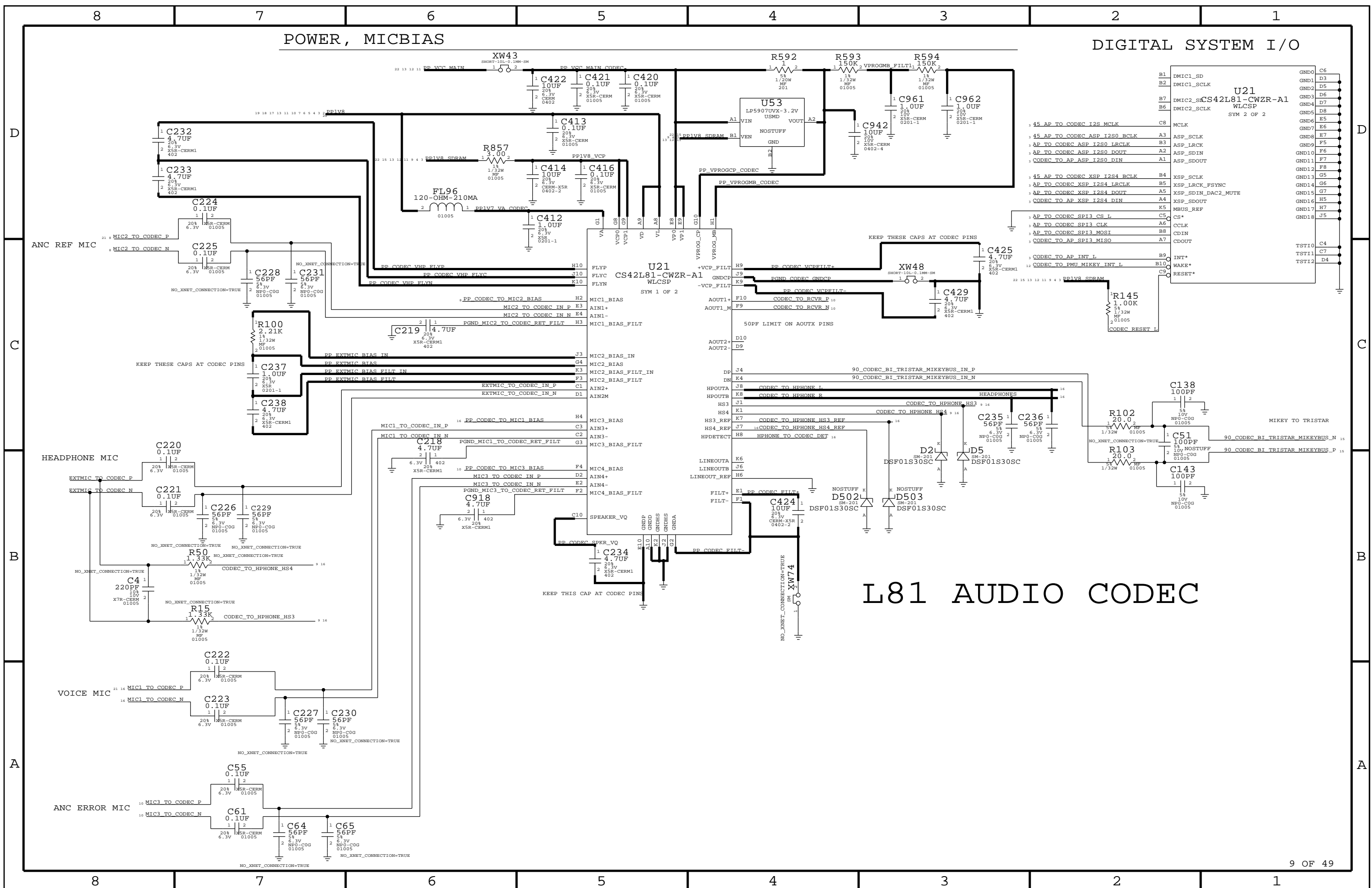
BUTTONS:  
RINGER,  
VOL\_UP/DOWN

POR TO REMOVE U70 AFTER EVT1 BUILD, TBD

VIBE DRIVE







CG FLEX B2B

(FF CAM, PROX, ALS, RECEIVER, ANC ERROR MIC)

D

FRONT CAM:  
CLK, I2C, SHDN

C

PROX: POWER,  
RX, RX\_EN

B

ALS: POWER,  
I2C, INT

A

RECEIVER

D

FRONT CAM:  
POWER AND MIPI

C

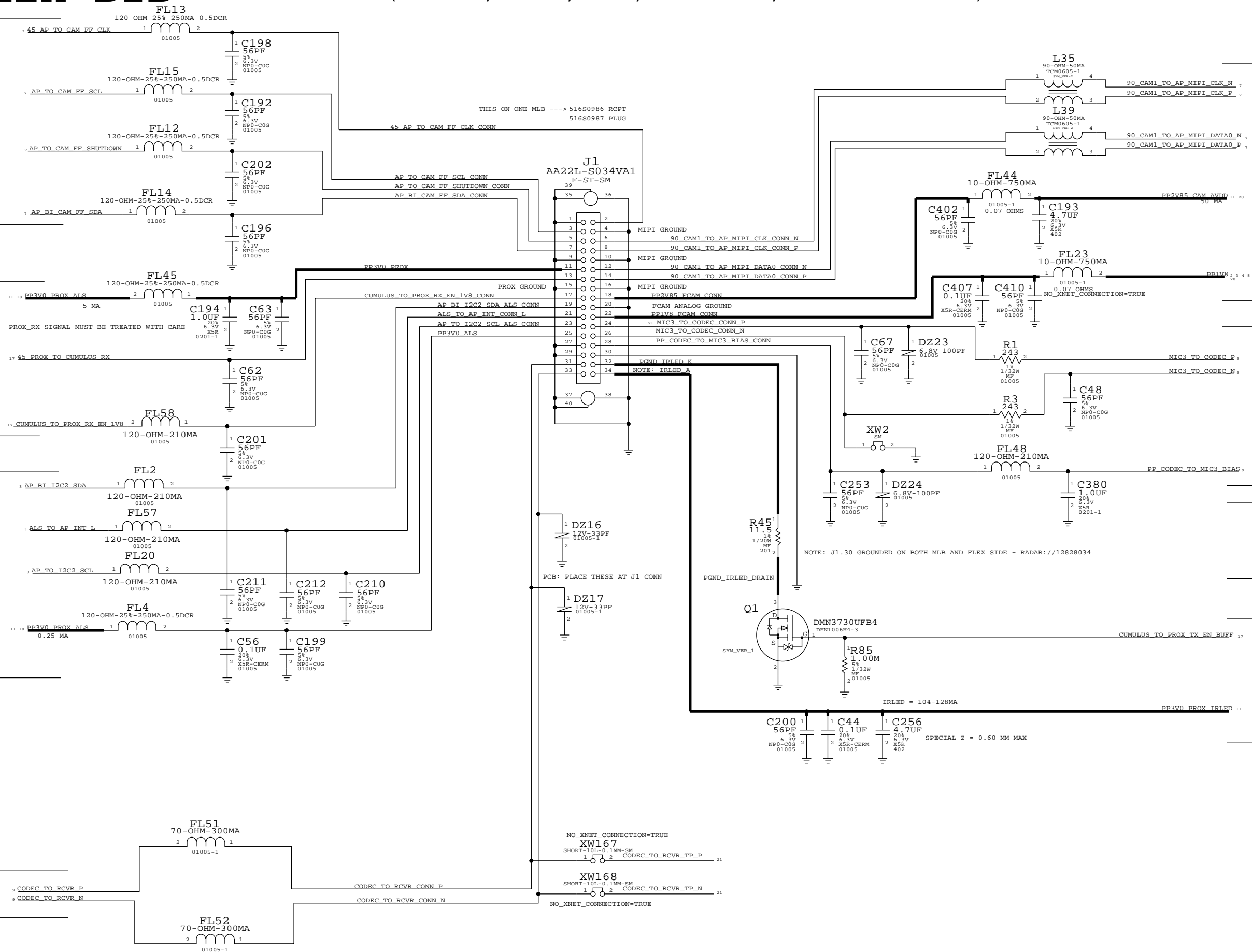
MIC3  
(ANC ERROR MIC)

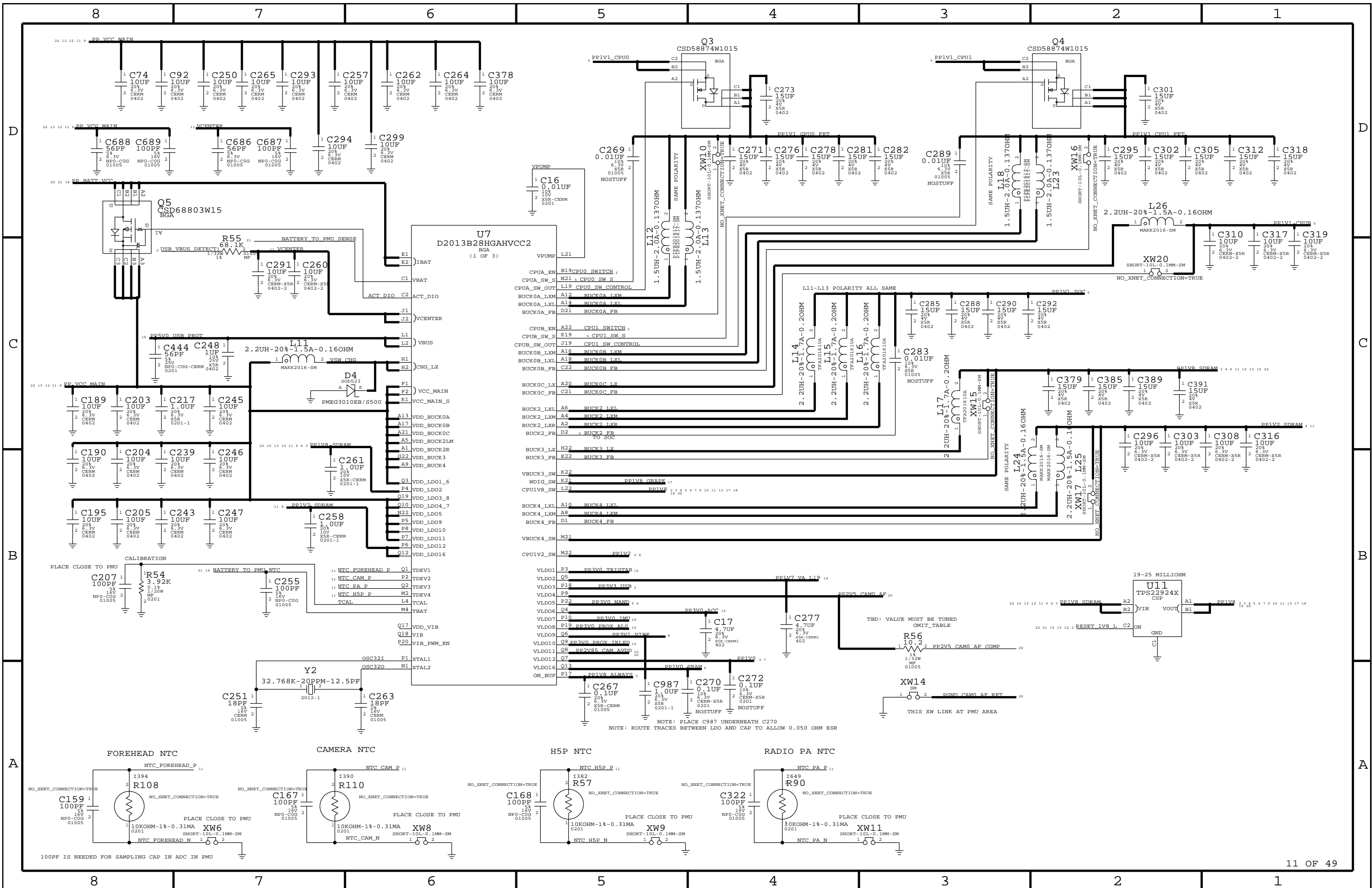
B

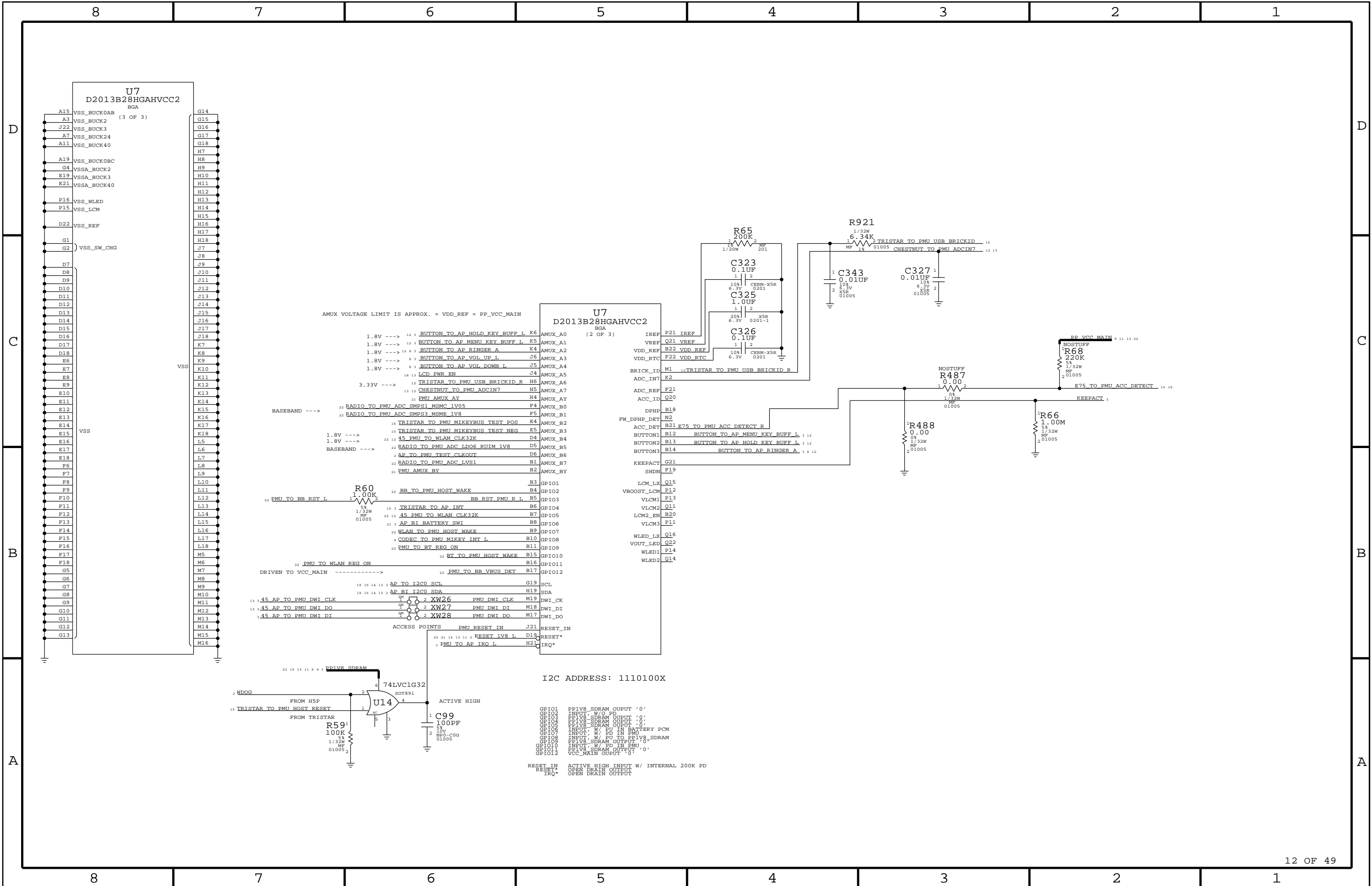
CAM1 ALS INT

PROX: PWR, TX EN

A

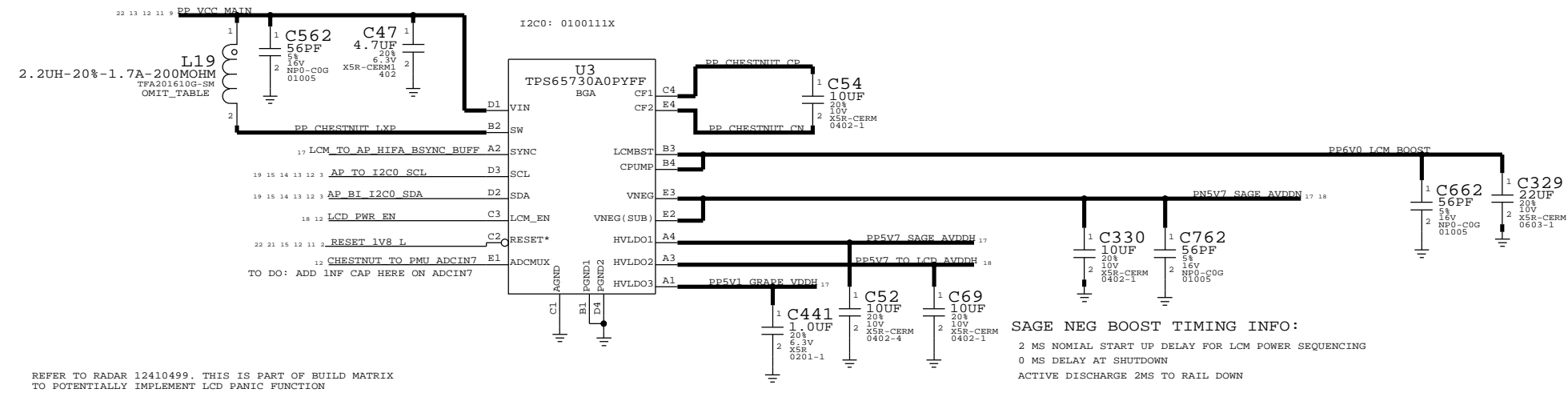




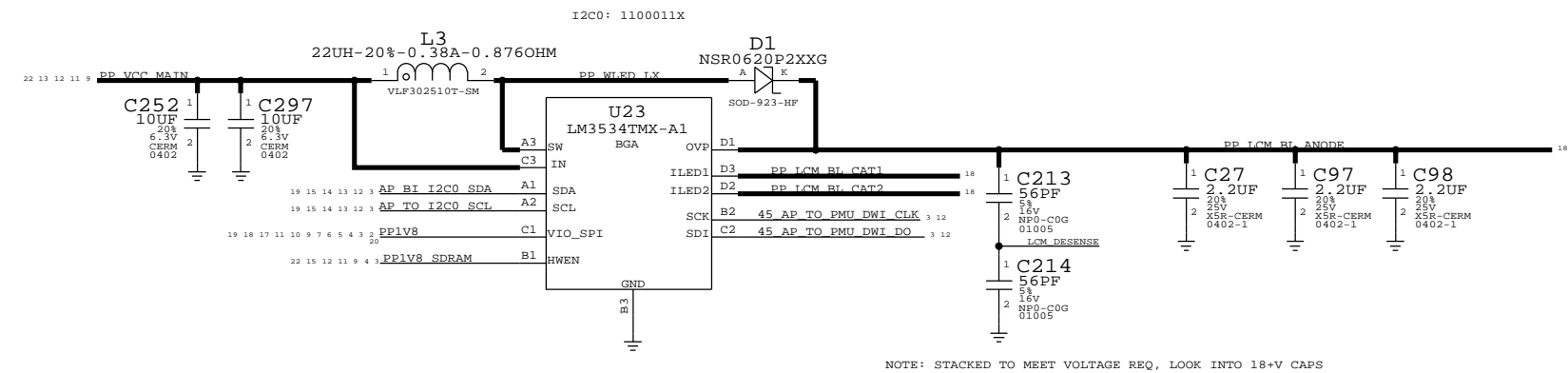


CHESTNUT, BACKLIGHT DRIVER

D404 DISPLAY PMU (INTERSIL CHESTNUT, 338S1168)  
(TI CHESTNUT, 338S1172)



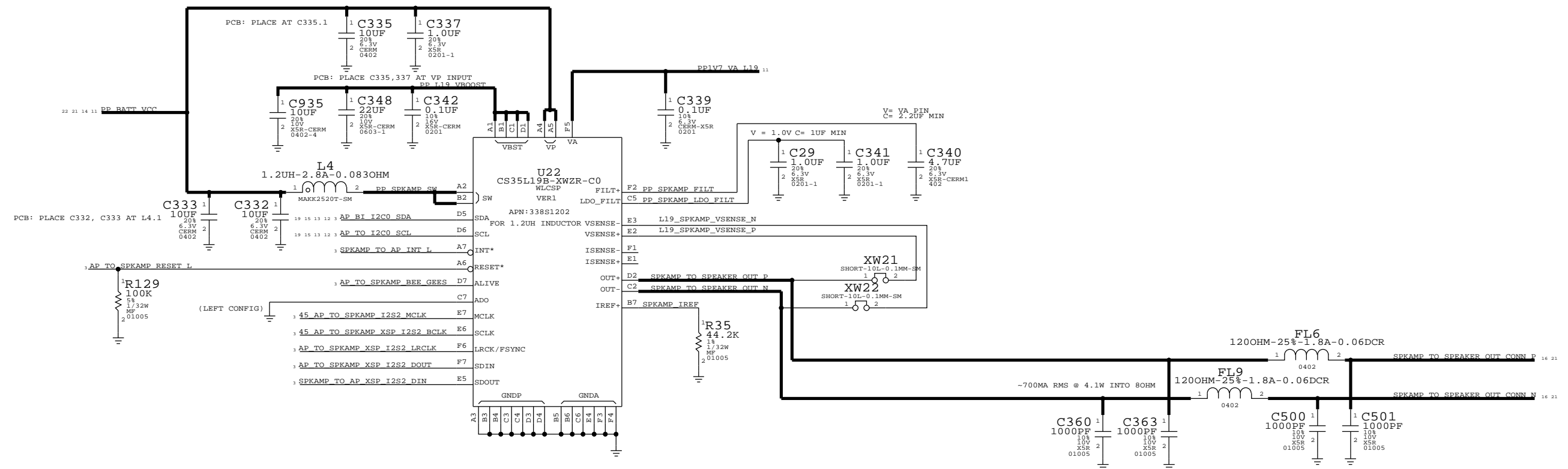
D404 BACKLIGHT DRIVER



# SPEAKER AMP, LED DRIVER

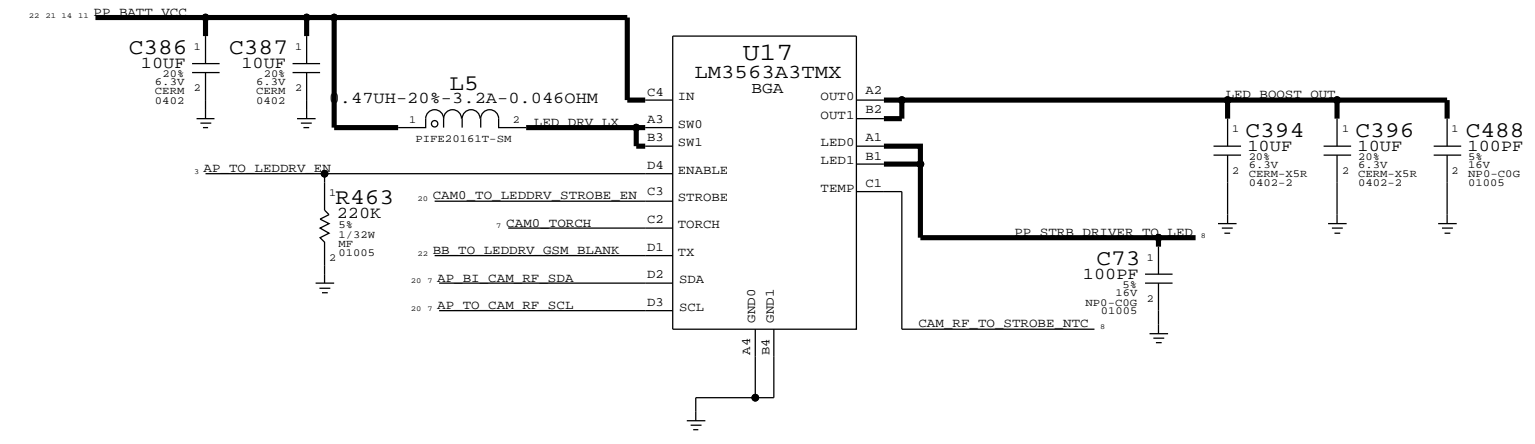
## SPEAKER AMP L19

I2C ADDRESS: 1000000X

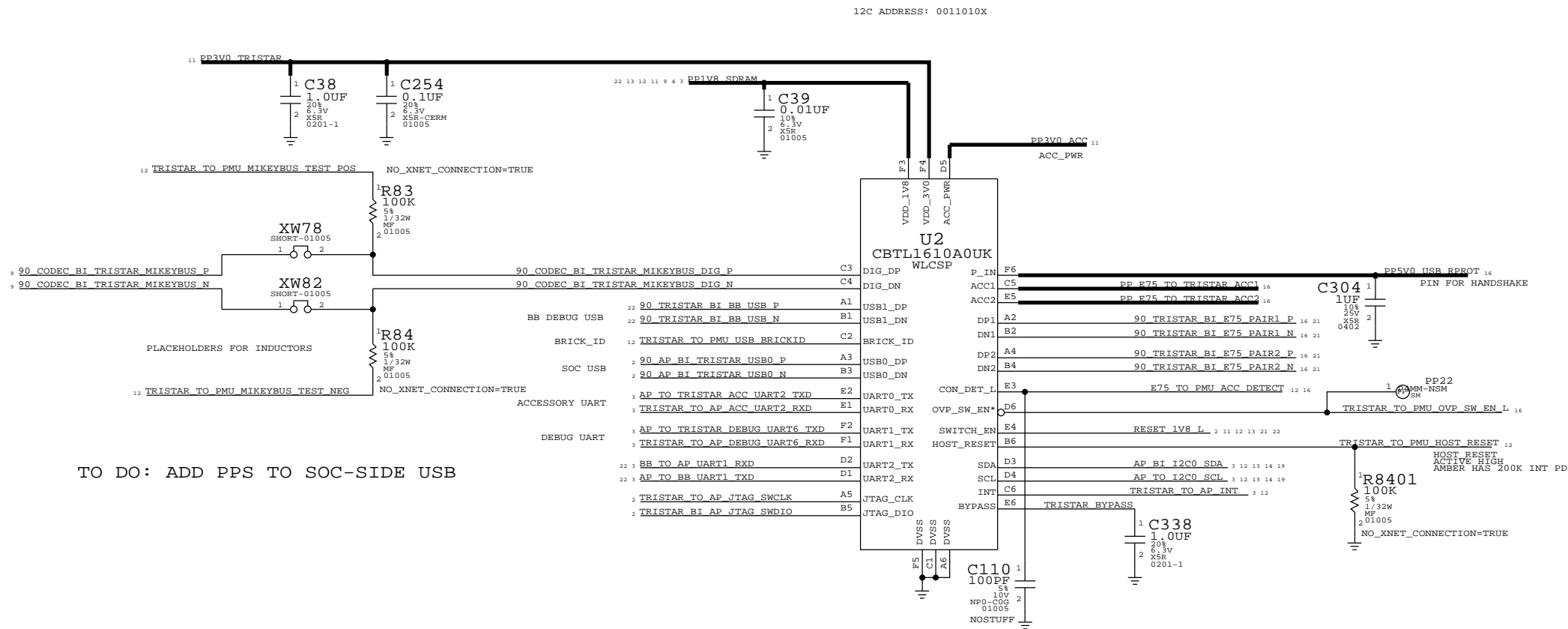


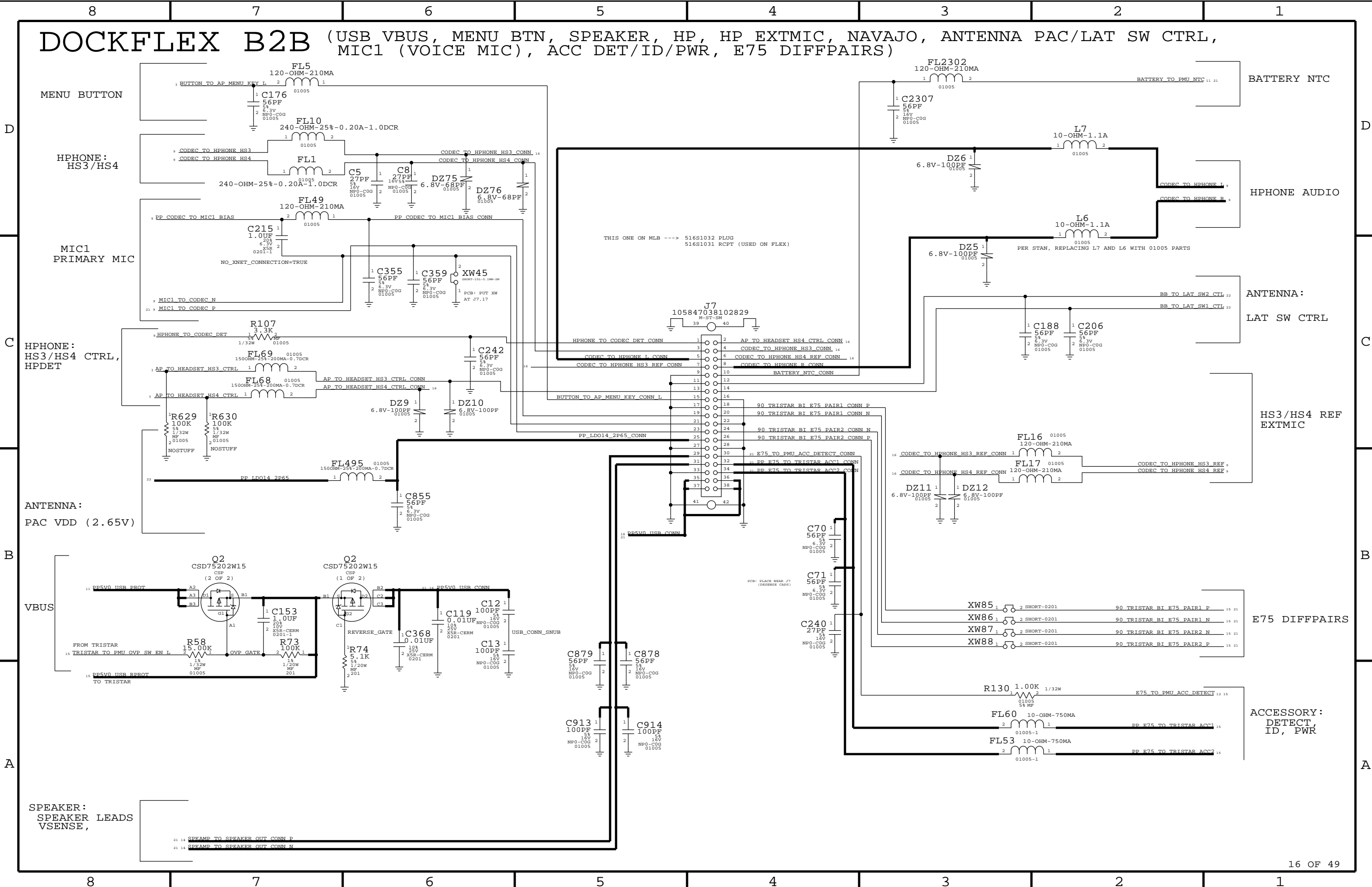
## LED DRIVER

I2C ADDRESS: 1100011X



TRISTAR







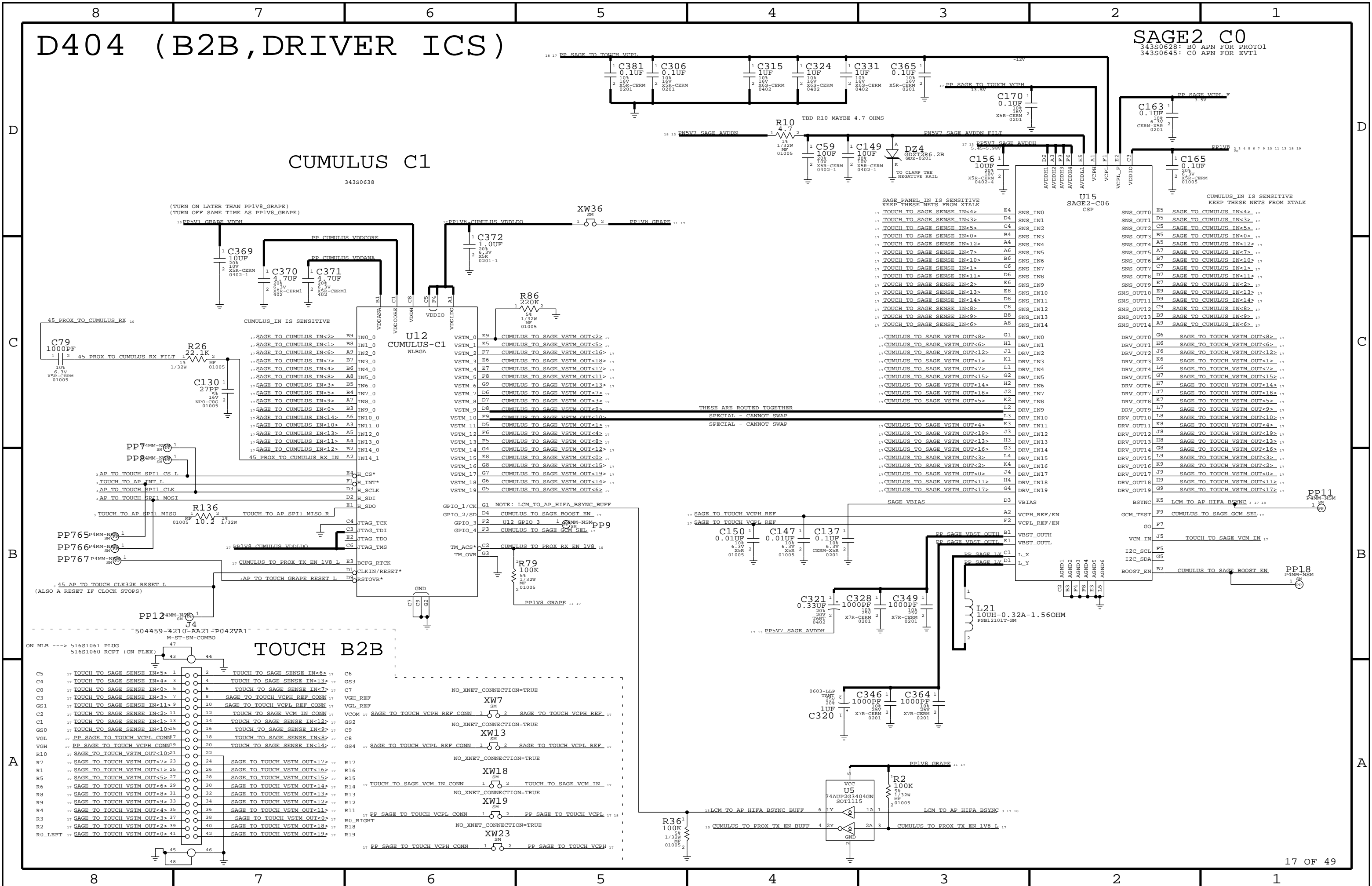
# D404 (B2B, DRIVER ICS)

SAGE2 C0

343S0628: B0 APN FOR PROTO1  
343S0645: C0 APN FOR EVT1

CUMULUS C1

343S0638



## A

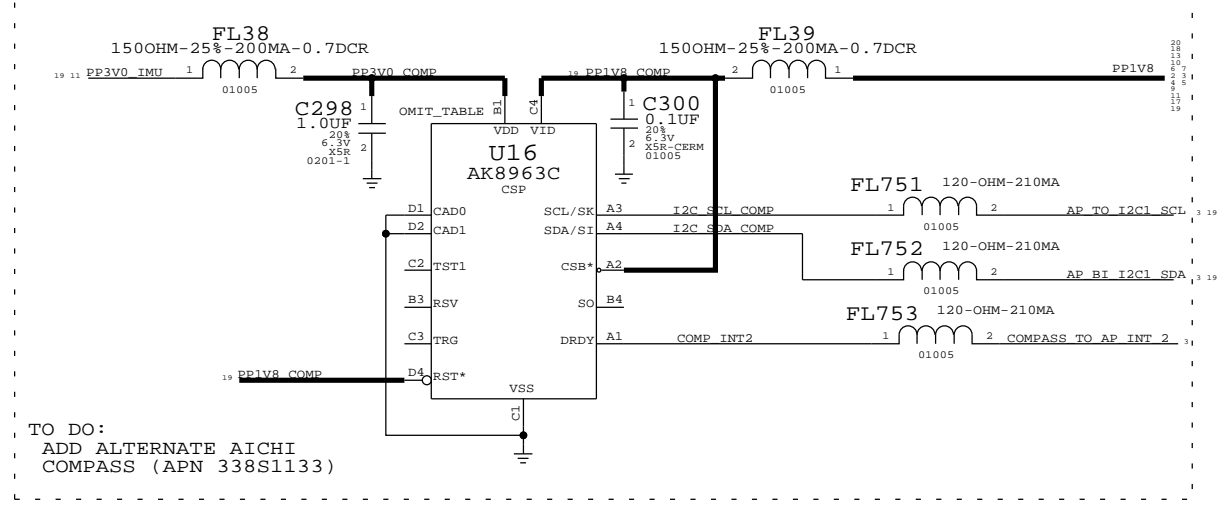


SENSORS

THIS PART OUTSIDE OF SHIELD

COMPASS

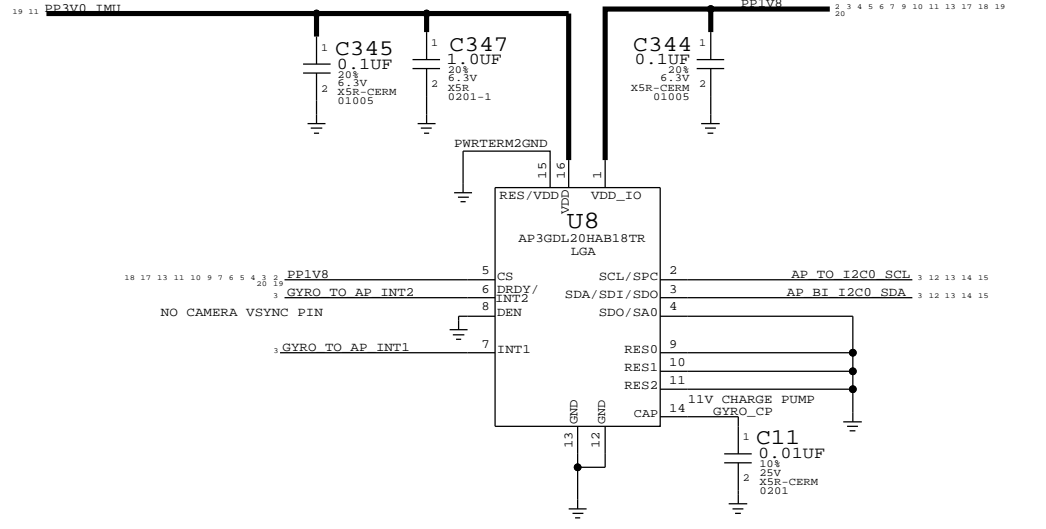
COMPASS DEVICE: 338S1014  
COMPASS INTERPOSER: 998-5120



THESE PARTS INSIDE OF SHIELD

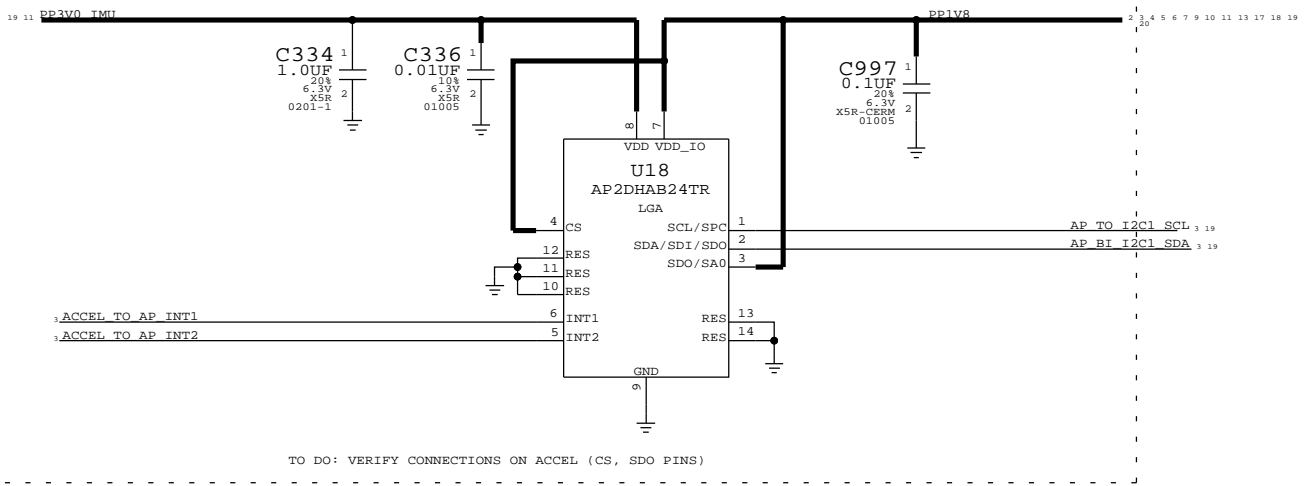
GYRO

AP3GDL20HAB, APN 338S1192

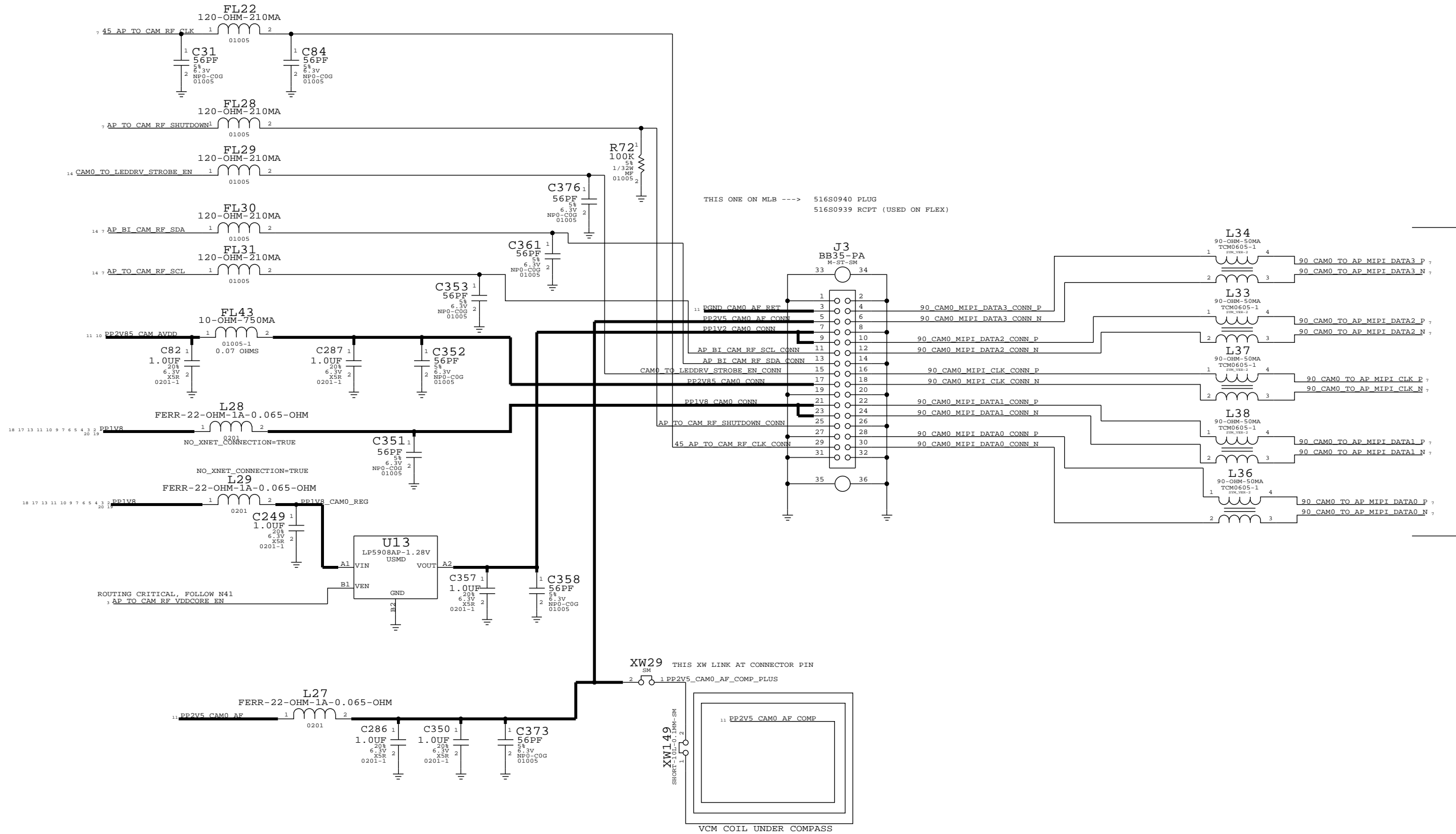


ACCELEROMETER

AP2DHAB, APN 338S1191



CAM0: MAIN CAMERA CONNECTOR



8	7	6	5	4	3	2	1
---	---	---	---	---	---	---	---

## D



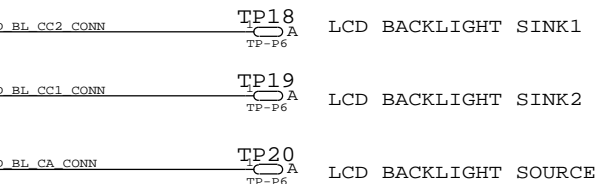
## B



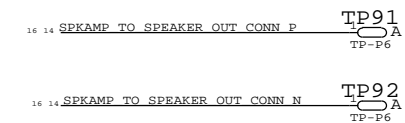
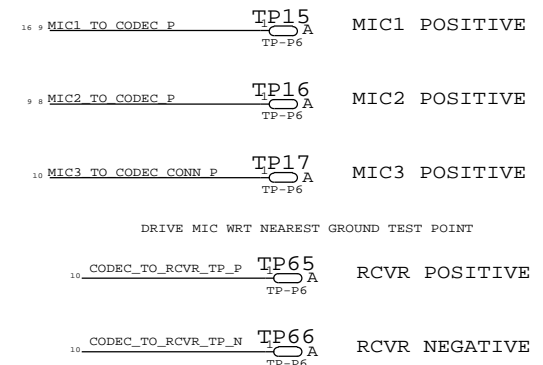
SCREW HOLES



## DFU

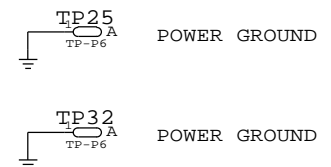


## MIC AUDIO

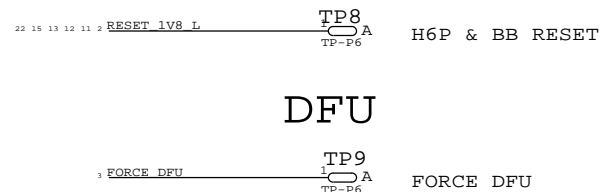


TP-P6

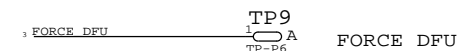
ACCESSORY ID AND POWER



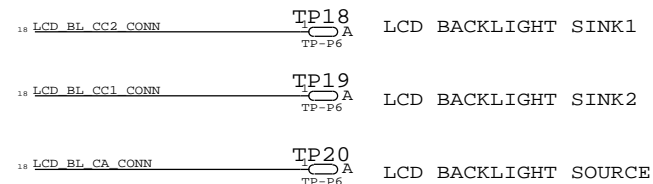
RESET



## DFU

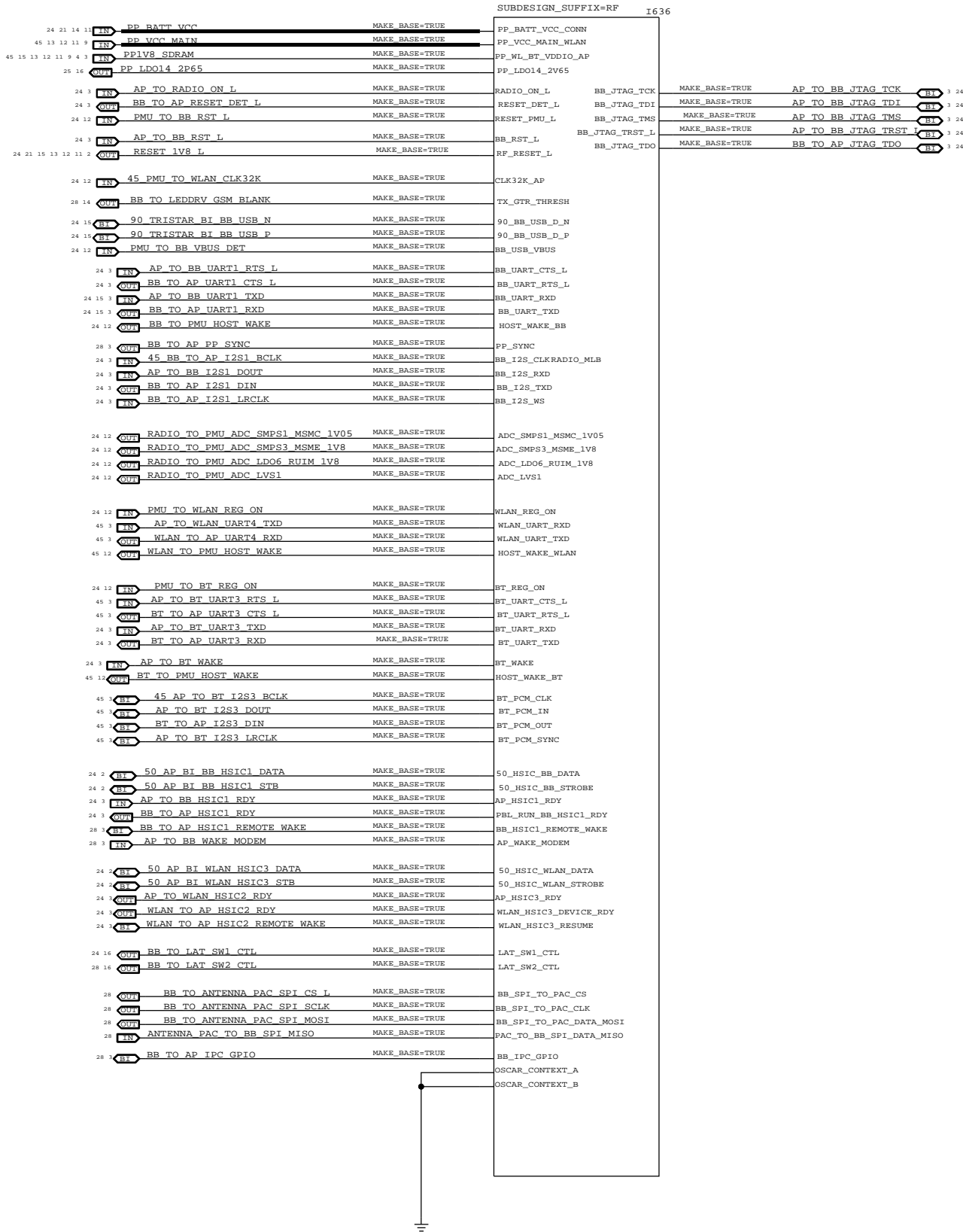


## LCM BACKLIGHT



# RADIO\_MLB HIERARCHICAL SYMBOL

## AP/RADIO INTERFACE





## D

## C

B

A

PP  
P4N

## 25

NOT



## D



B

A

D

C

B

A

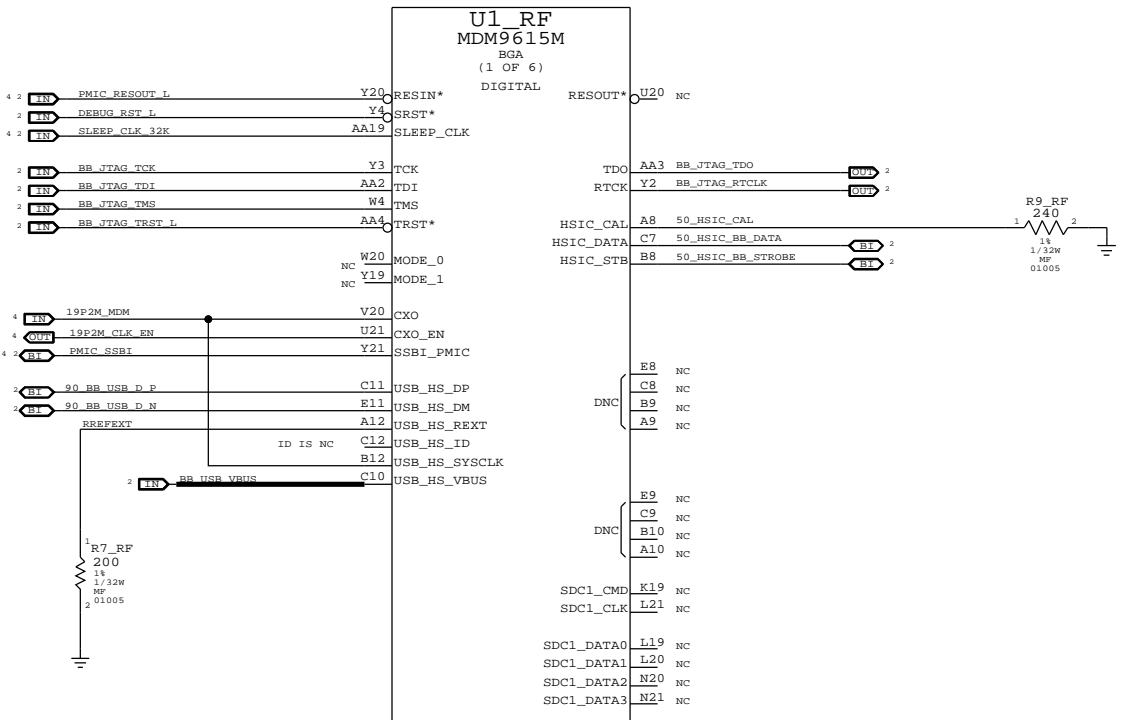
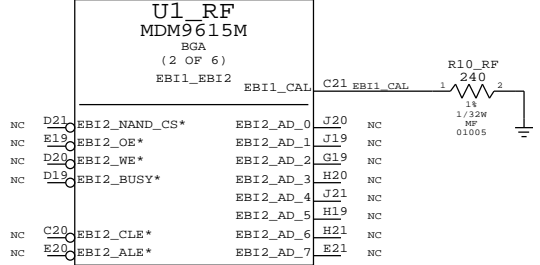
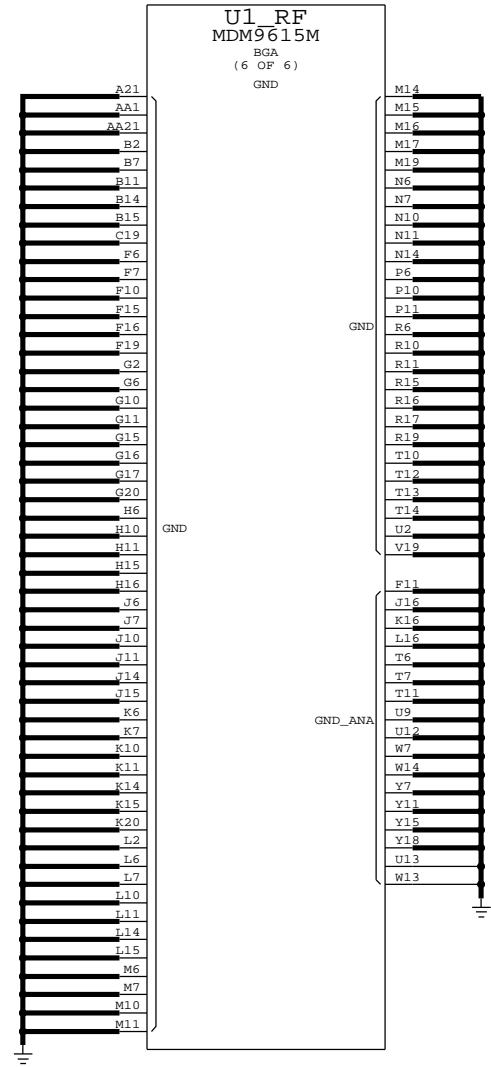
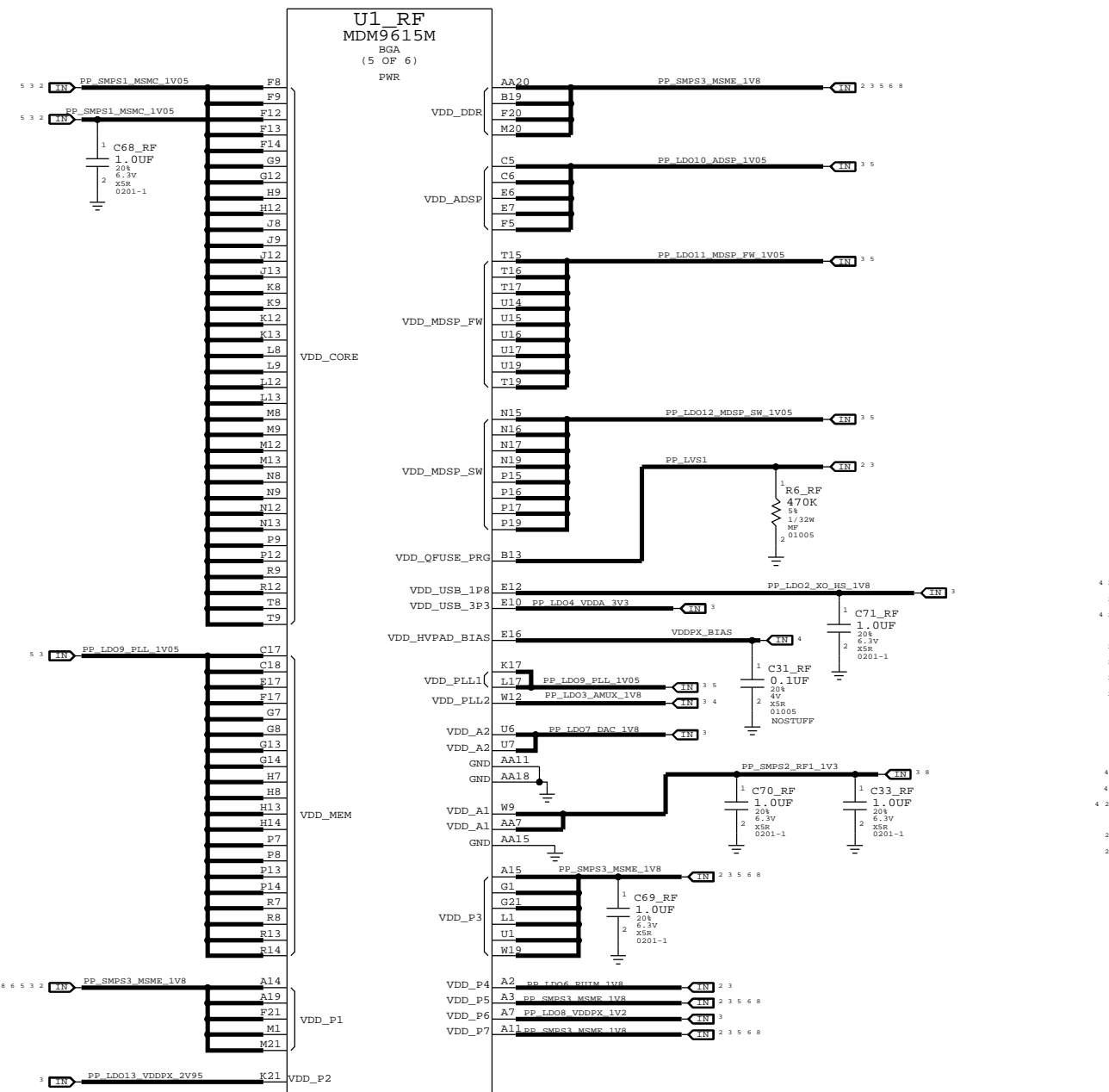
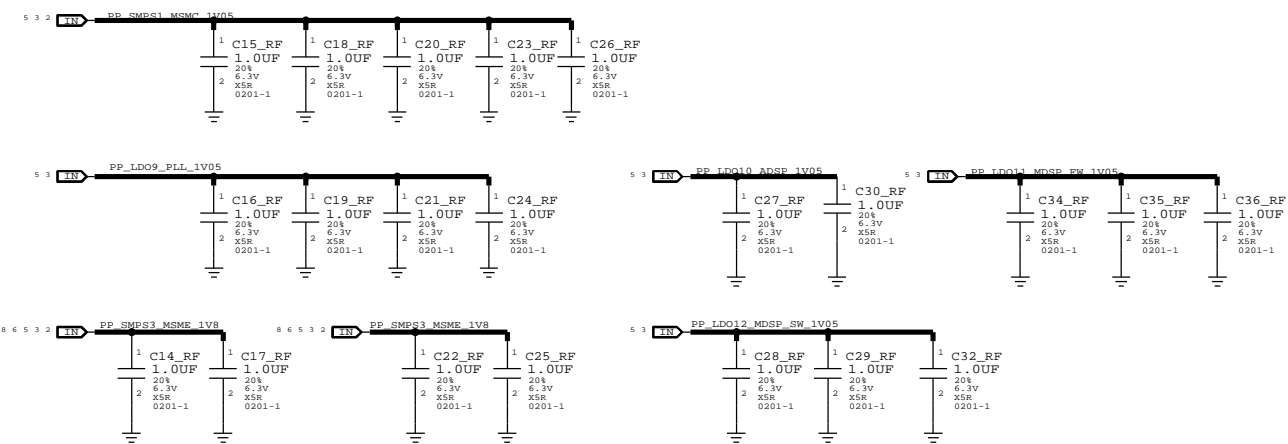
## A

AA

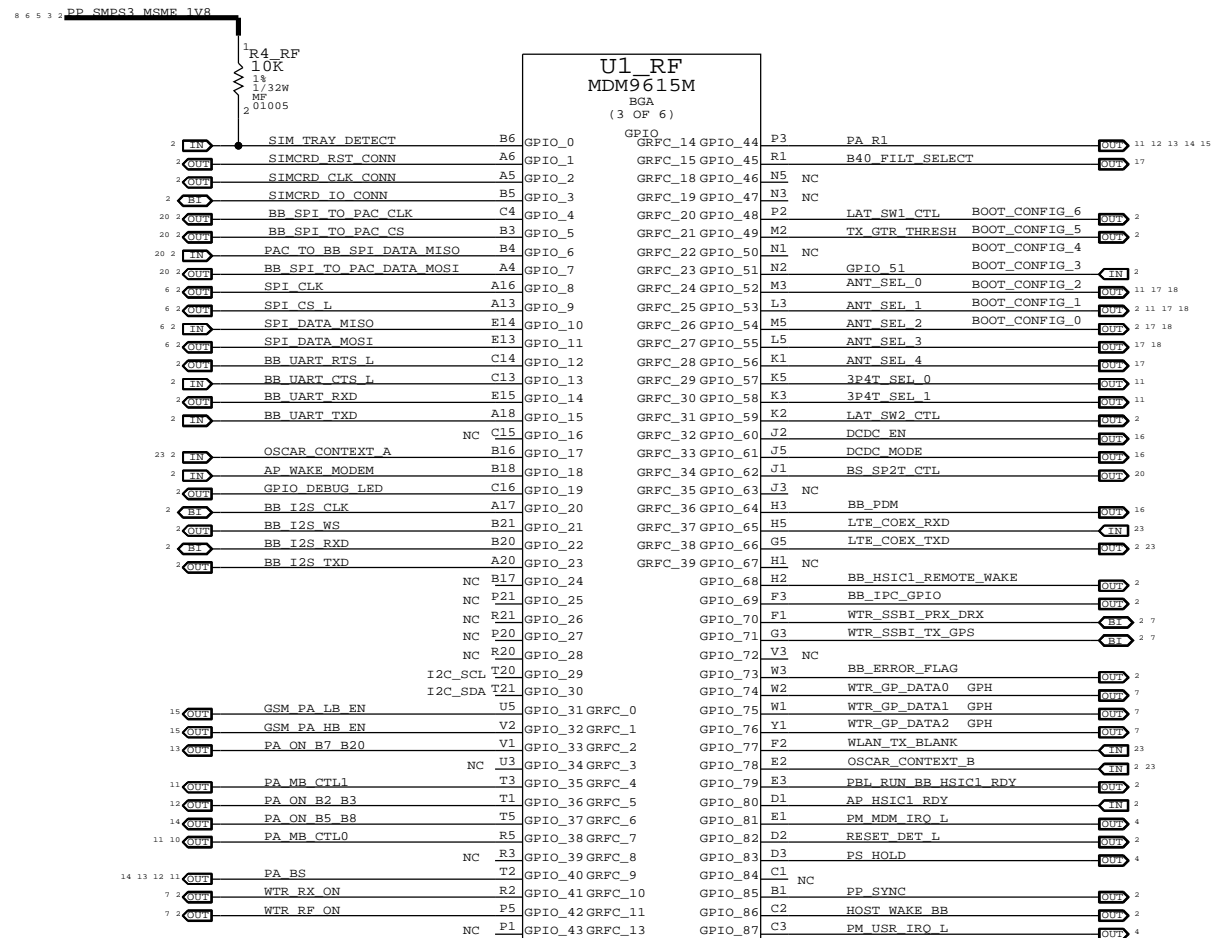
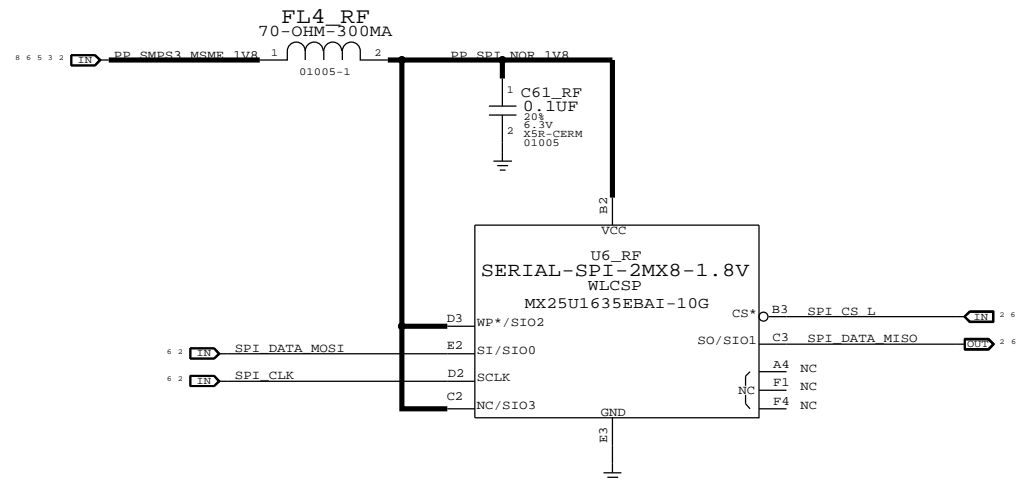
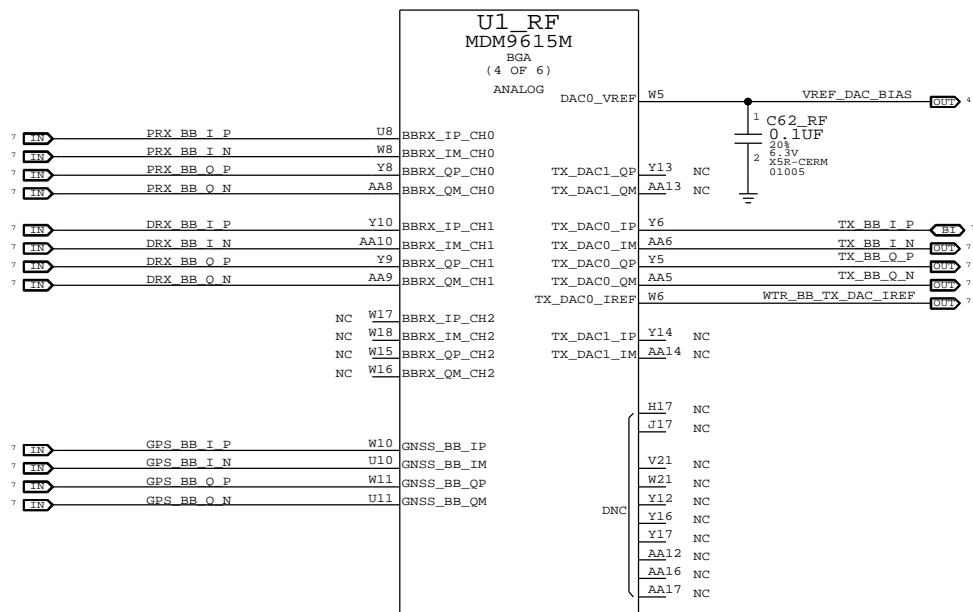
A



BASEBAND ( 1 OF 2 )



# BASEBAND ( 2 OF 2 )



## A



**RF1\_1V3**

R53\_RF  
22-OHM-25%-1800MA  
0201

PP\_SMP22\_RF1\_1V3 1 2 \*PP\_SMP22\_RF1\_1V3\_FILT

C72\_RF  
10UF  
204  
10V  
X5R-CERM  
0402-1

C73\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.66

C74\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.65

C75\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.76

C76\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.40

C77\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.118

C78\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.98

C79\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.116

C80\_RF  
100PF  
54  
16V  
NP0-COG  
01005  
PLACE NEAR U3.117

C81\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.53 AND U3.26

C82\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.42

C83\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.25 AND U3.28

C274\_RF  
56PF  
54  
16V  
NP0-COG  
01005  
NOSTUFF

**RF1\_1V8**

PP\_SMP23\_MSME\_1V8

C87\_RF  
1.0UF  
204  
16V  
X5R-CERM  
0201-1  
PLACE NEAR U3.87

**RF1\_1V3**

C85\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.24 AND U3.31

C86\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.37 AND U3.55

**RF2\_2V05**

R19\_RF  
54  
1/20W  
RF  
201

PP\_SMP24\_RF2\_2V05 1 2 \*PP\_SMP24\_RF2\_2V05\_FILT

C88\_RF  
10UF  
204  
10V  
X5R-CERM  
0402-1

C244\_RF  
100PF  
54  
16V  
NP0-COG  
01005  
PLACE NEAR U3.111  
NOSTUFF

C89\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.67

C90\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.51

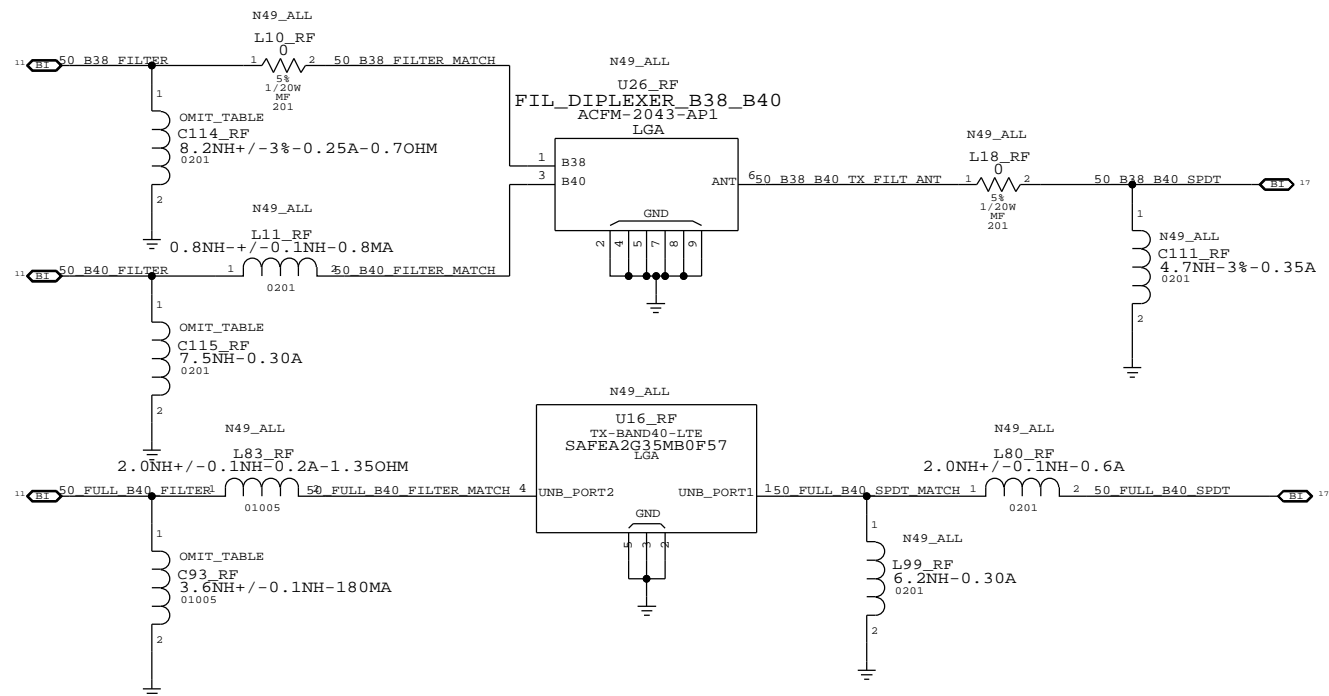
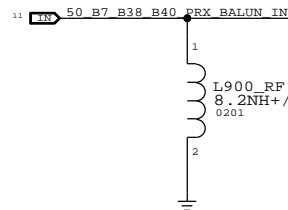
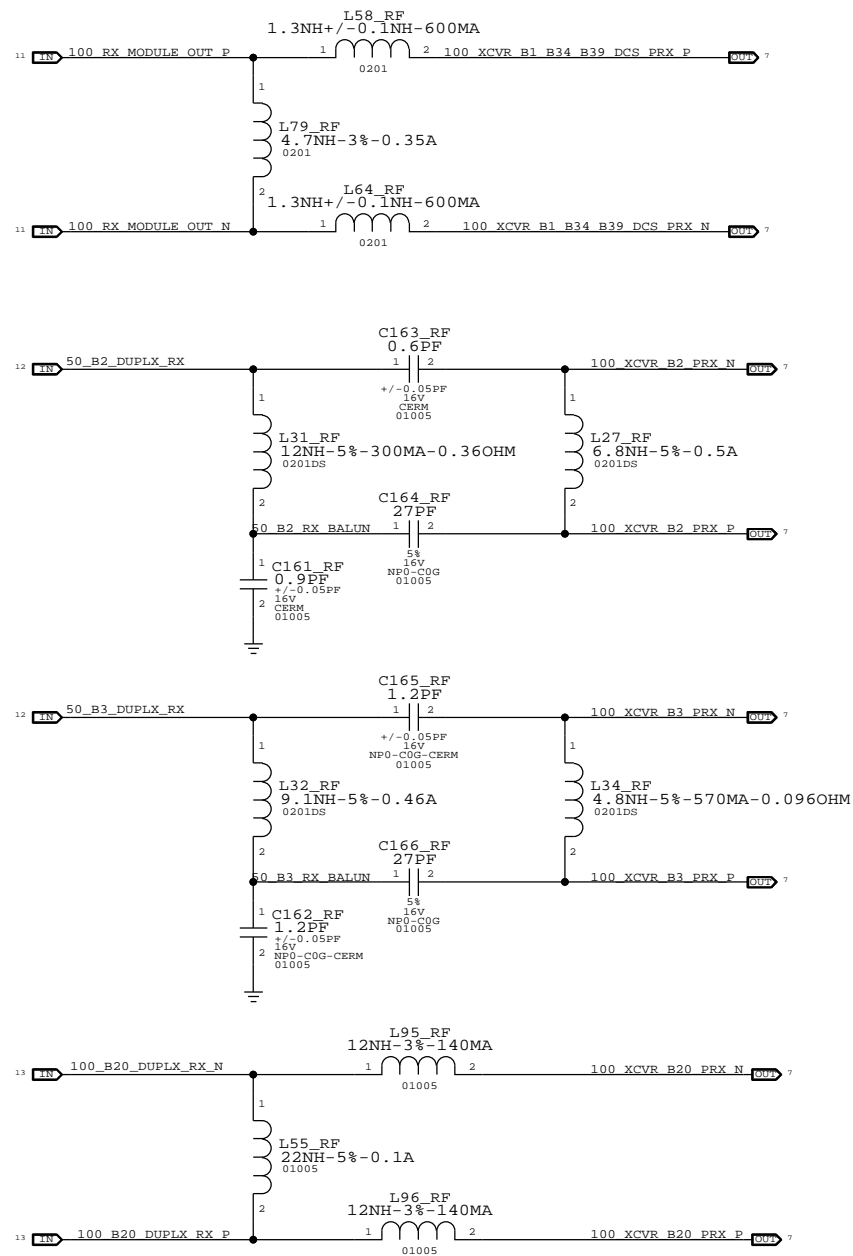
C91\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.136

C92\_RF  
0.1UF  
204  
6.3V  
X5R-CERM  
01005  
PLACE NEAR U3.127

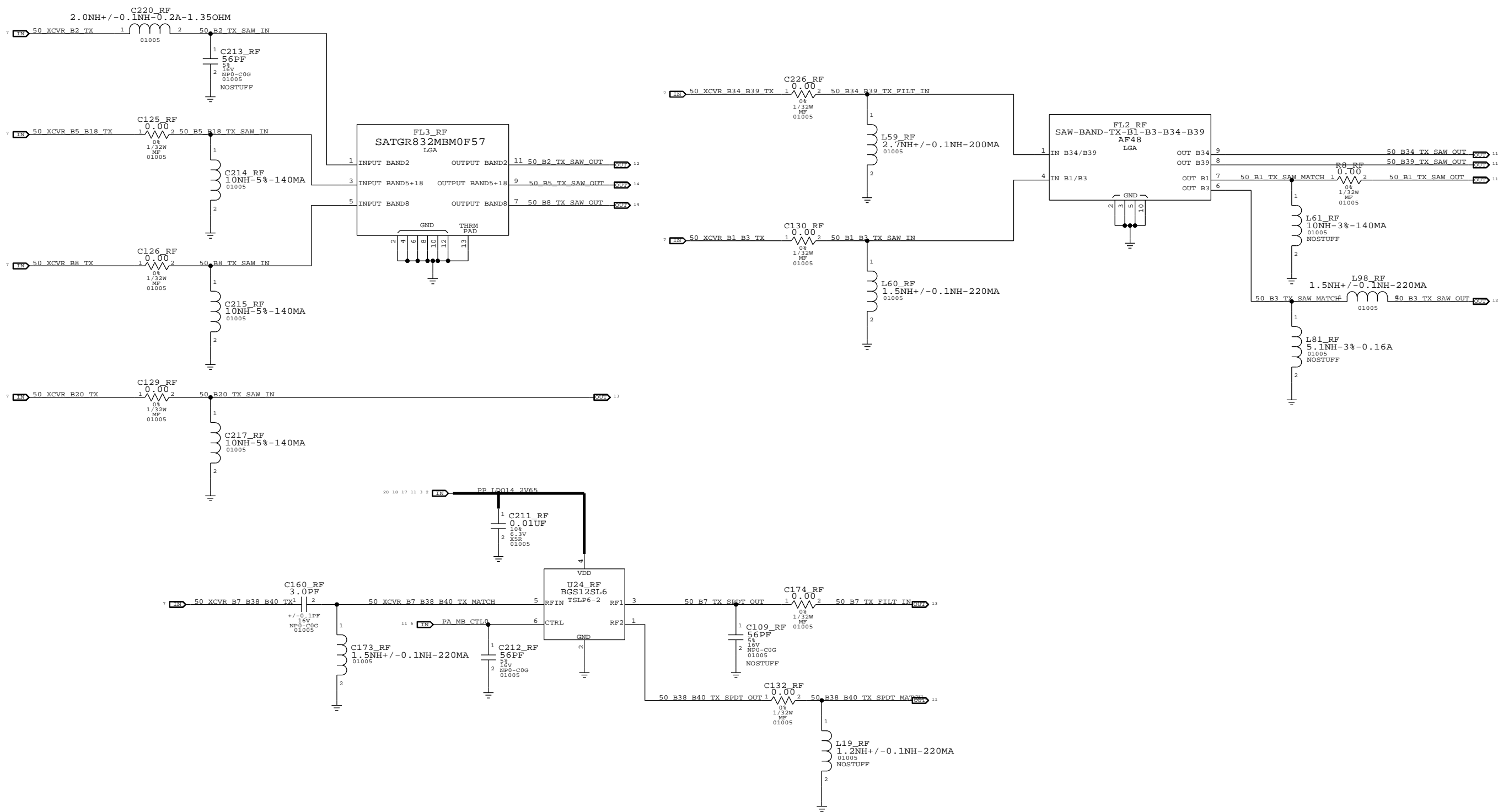
**TRANSCEIVER POWER CONNECTIONS**

U3_RF		WTR1605		SM		SRM 4 OF 5		PWR	
PP_RF1_1V3_PRX_FEL01	53	VDD_RF1_P_FEL0		VDD_RF2_T_DA	111	PP_RF2_2V05_TX_DA			
PP_RF1_1V3_PRX_FEL02	42	VDD_RF1_P_FEL0		VDD_RF1_T_DA	118	PP_RF1_1V3_TX_DA			
PP_RF1_1V3_DRX_LBLO	28	VDD_RF1_D_LBLO		VDD_RF1_T_UPC	117	PP_RF1_1V3_TX_UPCONVERTER			
PP_RF1_1V3_DRX_FE	26	VDD_RF1_D_FE		VDD_RF1_T_LO	116	PP_RF1_1V3_TX_LO			
PP_RF1_1V3_DRX_MBLO	25	VDD_RF1_D_MBLO		VDD_RF2_T_BB	108	PP_RF2_2V05_TX_BB			
PP_RF1_1V3_JAM_DET	85	VDD_RF1_JDET		VDD_RF2_T_VCO	136	PP_RF2_2V05_TX_VCO			
PP_RF2_2V05_PRX_BB	83	VDD_RF2_P_BB		VDD_RF2_XO	127	PP_RF2_2V05_XO_FILT			
PP_RF2_2V05_DRX_BB	44	VDD_RF2_D_BB		VDD_RF1_T_SYN	98	PP_RF1_1V3_TX_SYNTH			
PP_RF2_2V05_PRX_VCO	67	VDD_RF2_P_VCO		VDD_RF2_T_PLL	97	PP_RF2_2V05_TX_PLL			
PP_RF1_1V3_PRX_VCO	76	VDD_RF1_P_VCO		VDD_RF1_G_LNA	24	PP_RF1_1V3_GPS_LNA			
PP_RF1_1V3_PRX_PLL	66	VDD_RF1_P_PLL		VDD_RF1_G_VCO	37	PP_RF1_1V3_GPS_VCO			
PP_RF2_2V05_SHDR_VCO	51	VDD_RF2_S_VCO		VDD_RF1_G_PLL	55	PP_RF1_1V3_GPS_PLL			
PP_RF1_1V3_SHDR_VCO	40	VDD_RF1_S_VCO		VDD_RF1_G_BB	31	PP_RF1_1V3_GPS_DIG			
PP_RF1_1V3_SHDR_PLL	55	VDD_RF1_S_PLL		VDD_DIO	87	PP_RF1_1V8_DIG			

# RX MATCHING



# TX INTERSTAGE FILTERS

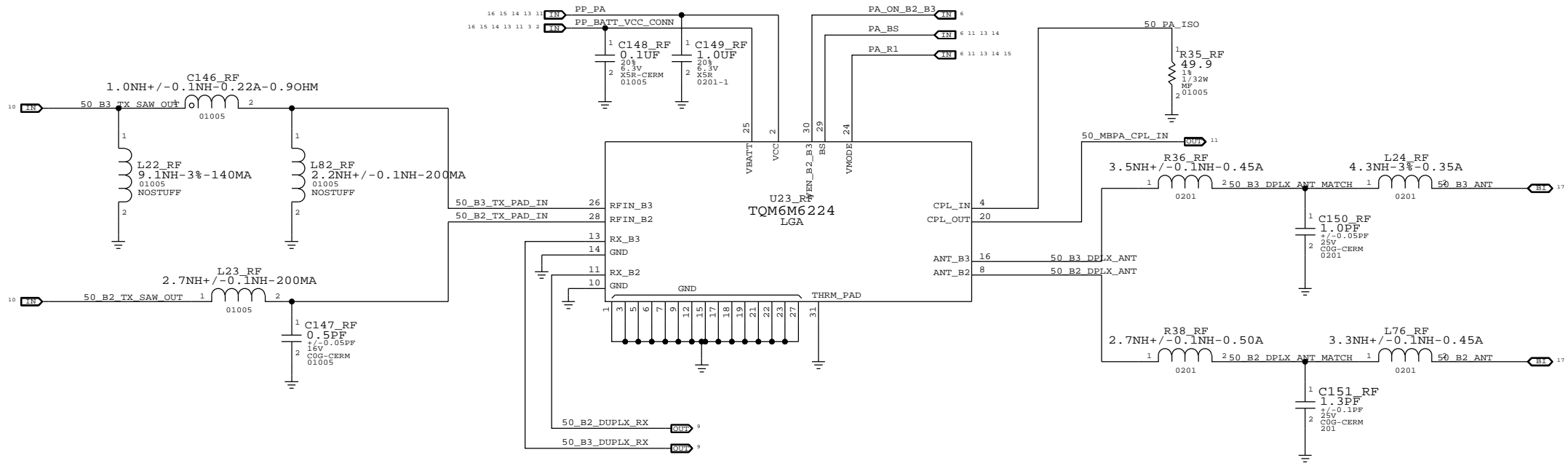




## A

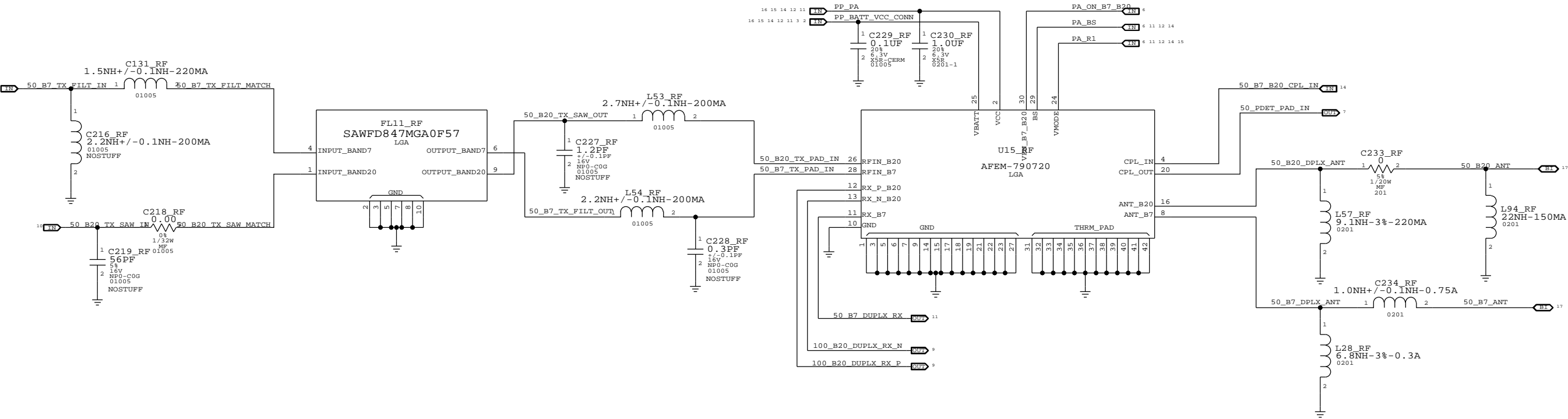
33 OF 49

BAND 2 / 3 PAD



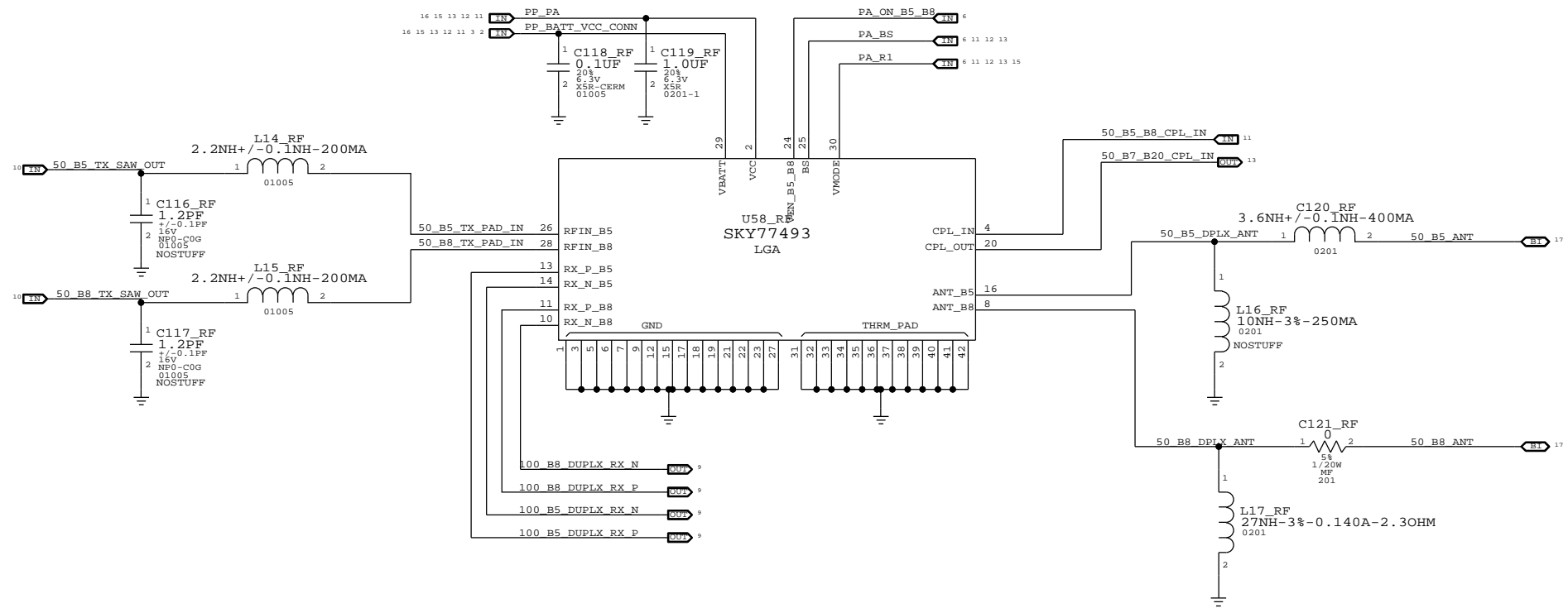
BAND	PA	POWER	MODE	PA_BS	PA_ON_B2_B3	PA_R1
OFF		X		X	0	X
B3		HPM		0	1	0
B3		LPM		0	1	1
B2		HPM		1	1	0
B2		LPM		1	1	1

BAND 20/7 PAD



BAND	PA	POWER	MODE	PA_BS	PA_ON_B20_B7	PA_R1
=====	=====	=====	=====	=====	=====	=====
OFF		X		X	0	X
B20		HPM		0	1	0
B20		LPM		0	1	1
B7		HPM		1	1	0
B7		LPM		1	1	1

BAND 5 / 8 PAD



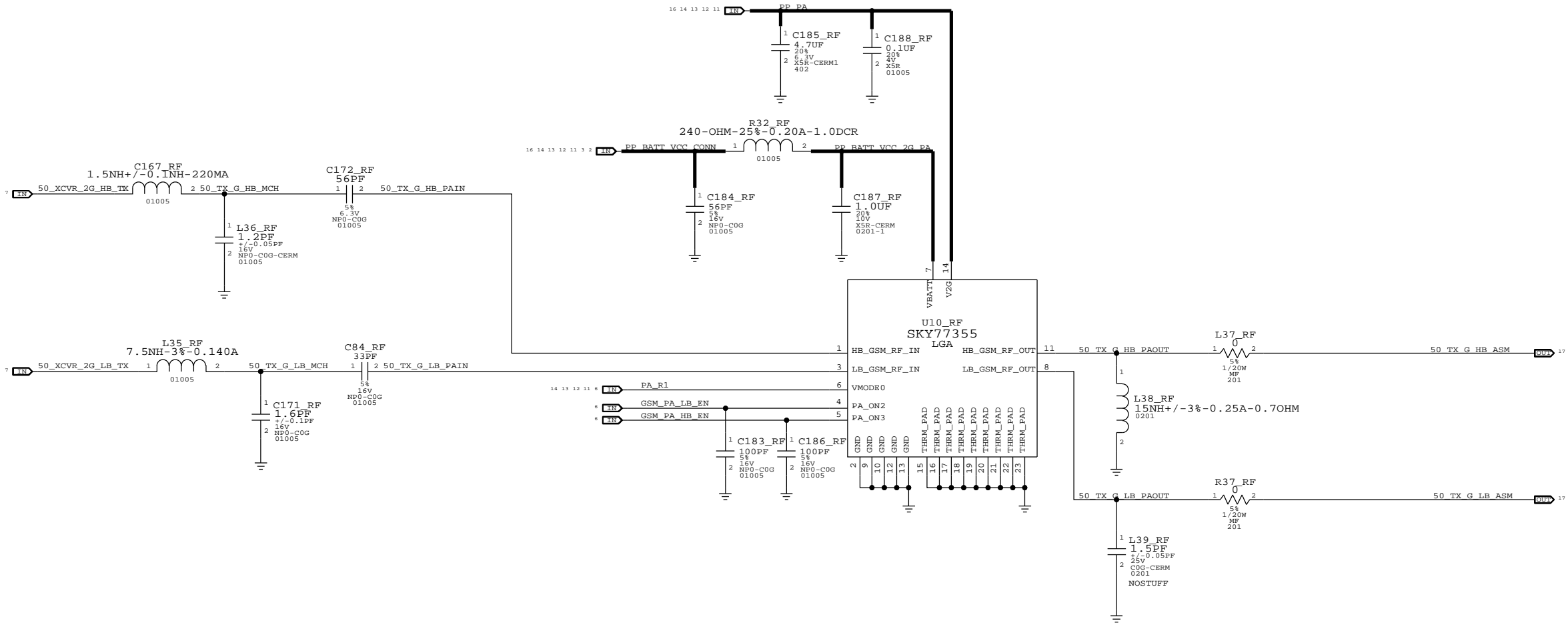
BAND	PA	POWER	MODE	PA_BS	PA_ON_B5_B8	PA_R1
=====	=====	=====	=====	=====	=====	=====
OFF		X		X	0	X
B5		HPM		0	1	0
B5		LPM		0	1	1
B8		HPM		1	1	0
B8		LPM		1	1	1

# 2G PA

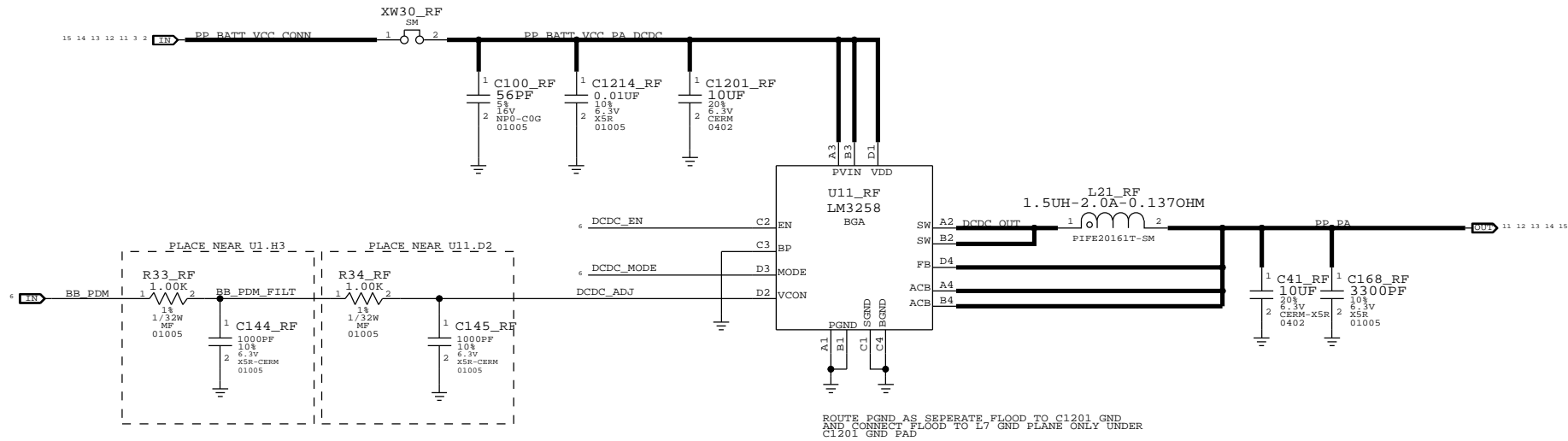
CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE PURPOSES ONLY - NOT A CHANGE REQUEST.

## 2G PA GAIN MODES

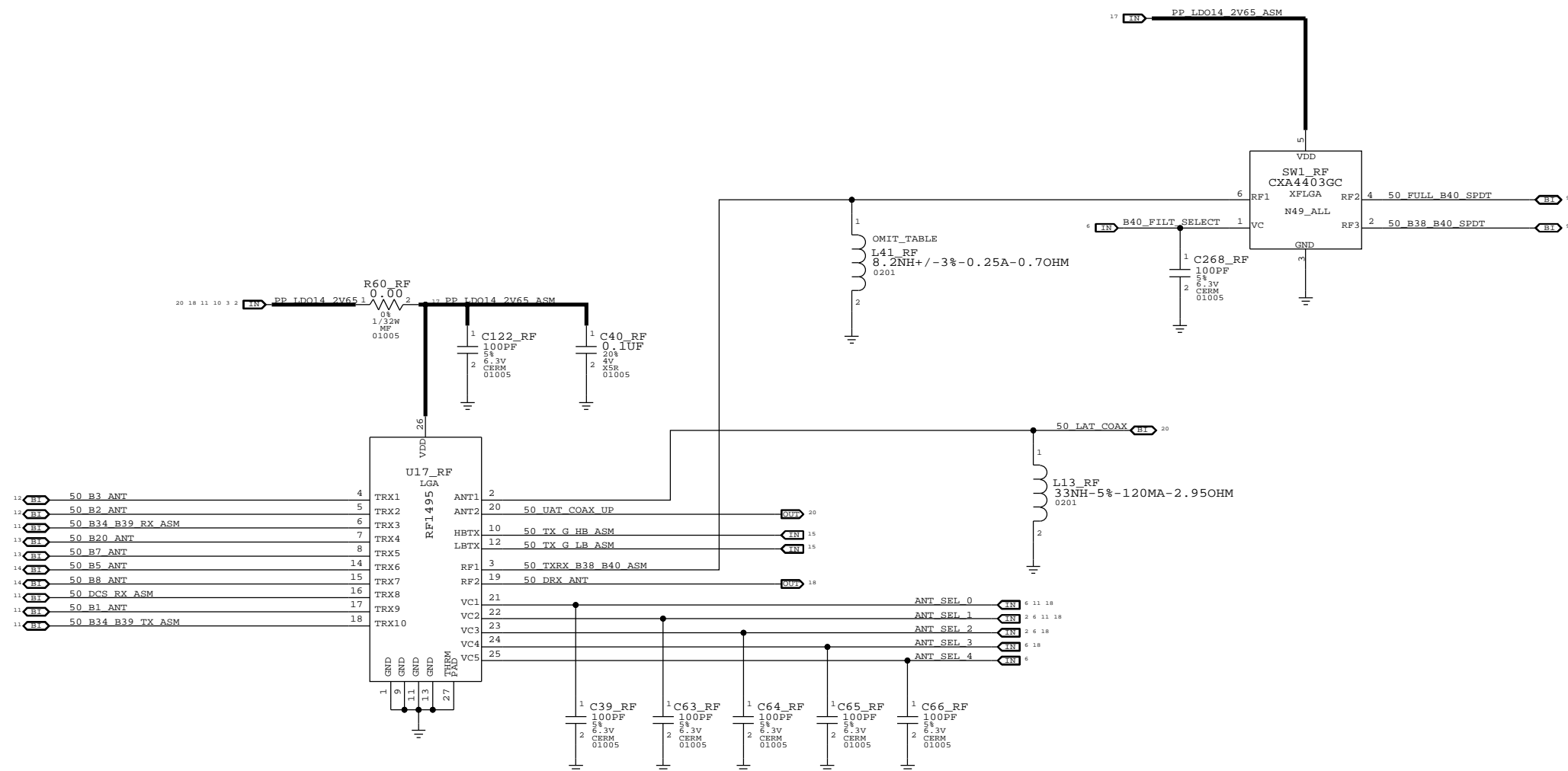
BAND	MODE	GAIN MODE	PA_R1	PCL RANGE
LOW BAND	GSM	ULTRA LOW	HIGH	16 TO 19
LOW BAND	GSM	LOW	HIGH	14 TO 15
LOW BAND	GSM	MEDIUM	LOW	7 TO 13
LOW BAND	GSM	HIGH	LOW	5 TO 6
HIGH BAND	GSM	ULTRA LOW	HIGH	10 TO 15
HIGH BAND	GSM	LOW	HIGH	7 TO 9
HIGH BAND	GSM	HIGH	LOW	0 TO 6
LOW BAND	EDGE	LOW	HIGH	15 TO 19
LOW BAND	EDGE	MEDIUM	LOW	10 TO 14
LOW BAND	EDGE	HIGH	LOW	8 TO 9
HIGH BAND	EDGE	LOW	HIGH	9 TO 15
HIGH BAND	EDGE	HIGH	LOW	2 TO 8



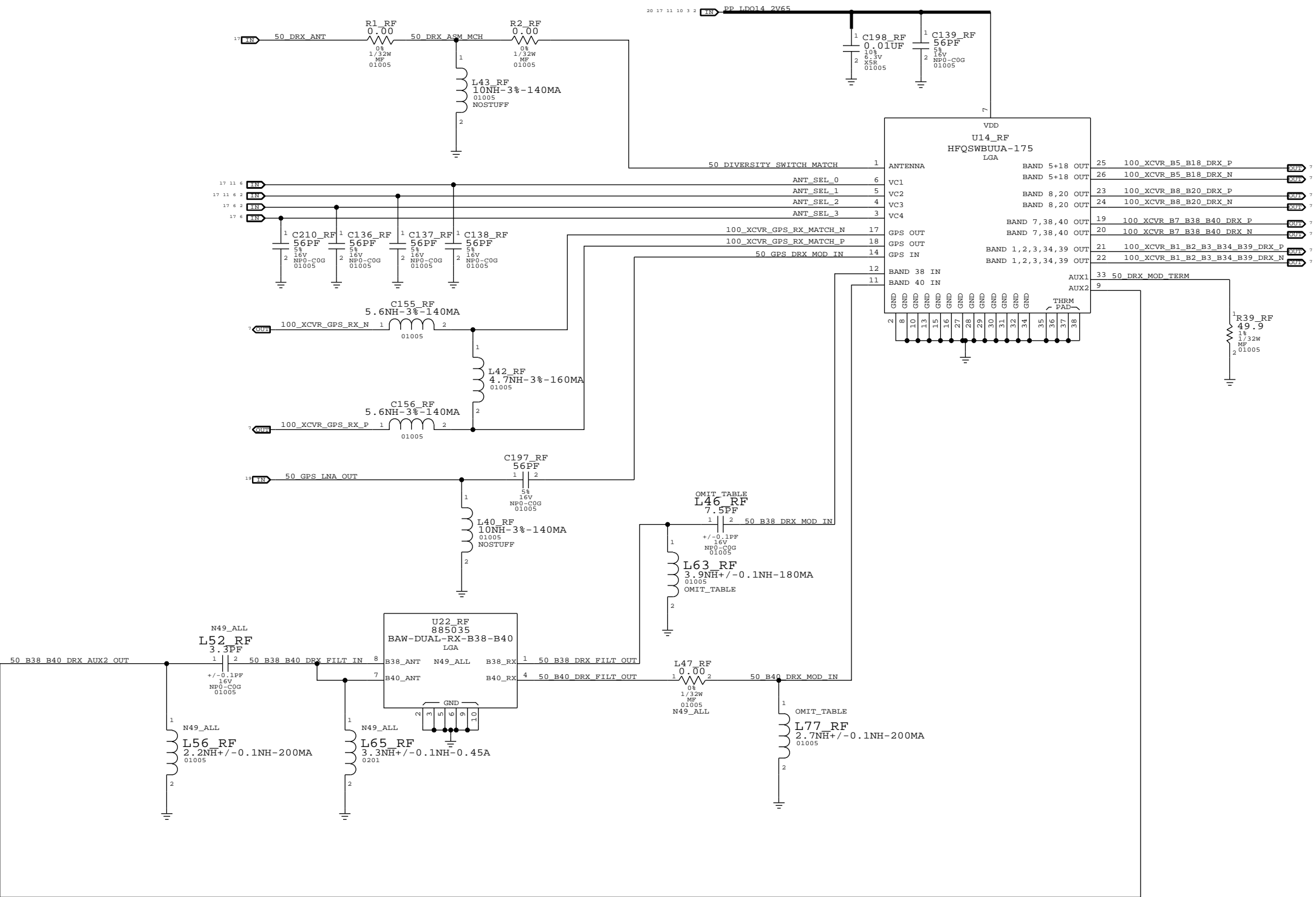
# PA DC/DC CONVERTER



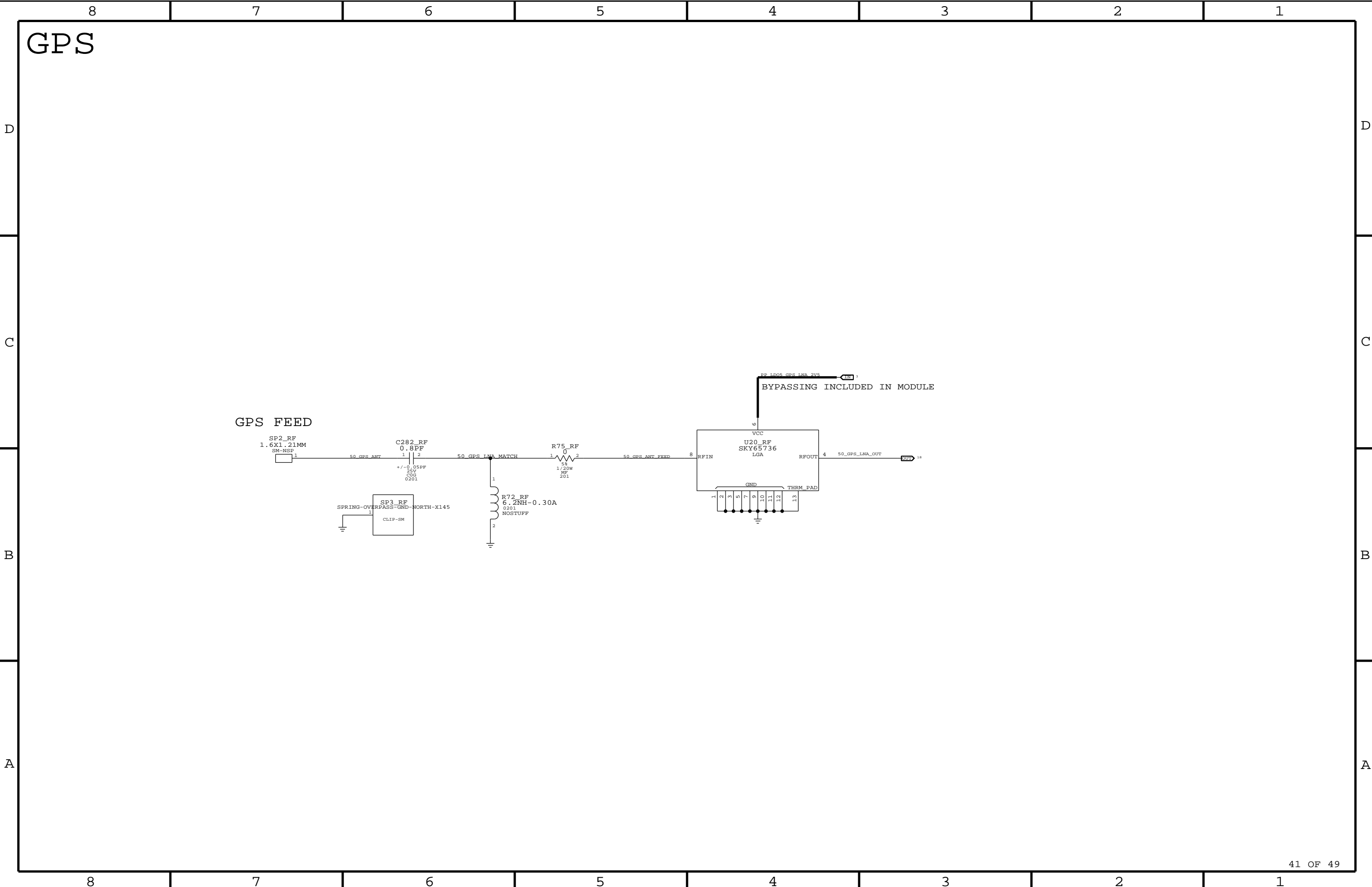
# PRIMARY ASM



# RX DIVERSITY







# ANTENNA FEEDS

UAT1

UAT2

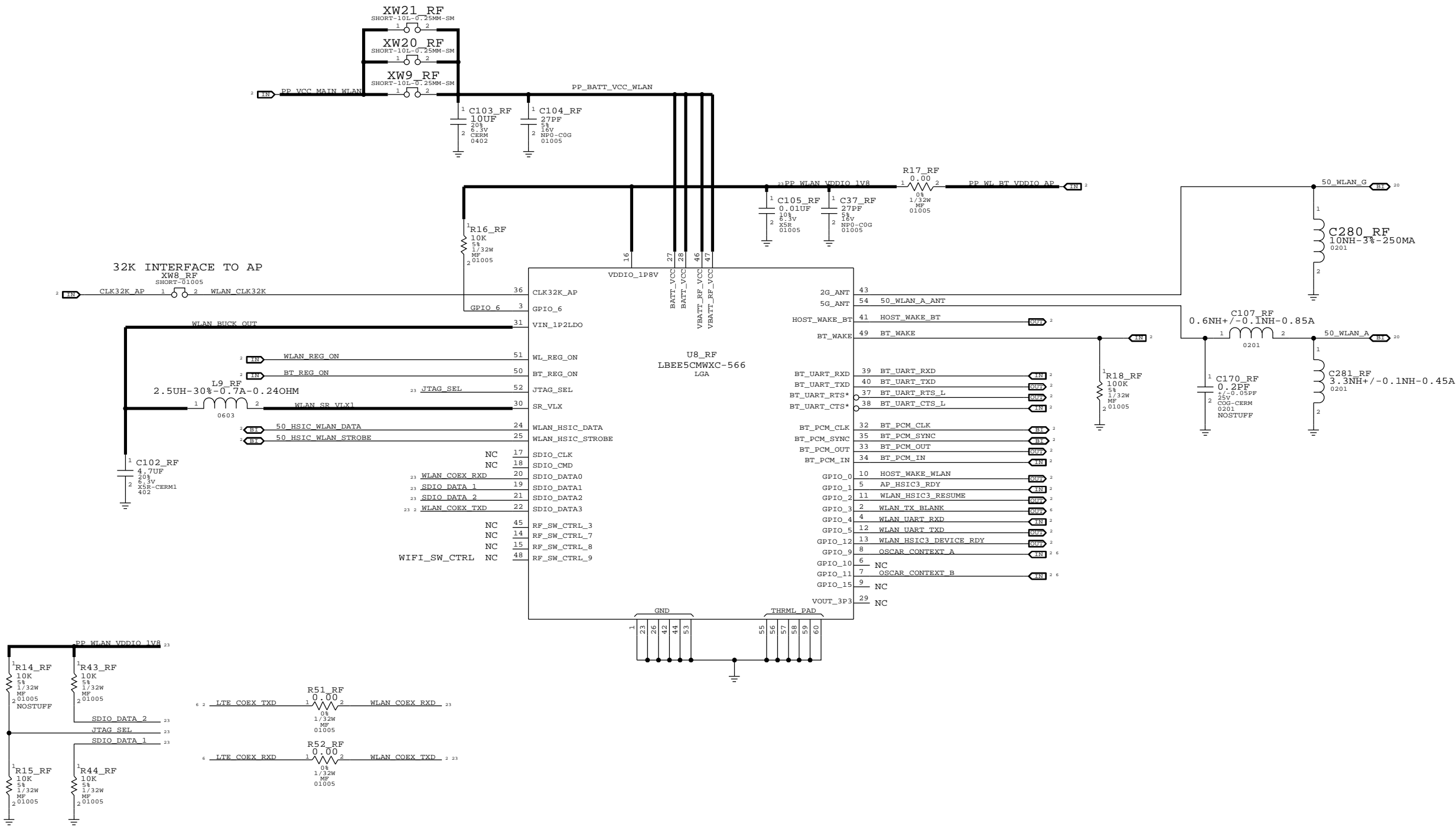
UAT1 COAX

LAT



8		7		6		5		4		3		2		1	
FRONT END LOGIC TABLE															
D	BAND		ANT_SEL_0	ANT_SEL_1	ANT_SEL_2	ANT_SEL_3	ANT_SEL_4	PRX PATH	DRX PATH						
	GSM LB TX		LOW	HIGH	LOW	LOW	LOW	LAT	TERMINATED						
	GSM LB TX		LOW	HIGH	LOW	LOW	HIGH	UAT	TERMINATED						
	GSM HB TX		HIGH	HIGH	LOW	HIGH	LOW	LAT	TERMINATED						
D	GSM HB TX		HIGH	HIGH	LOW	HIGH	HIGH	UAT	TERMINATED						
	B1		HIGH	HIGH	HIGH	HIGH	LOW	LAT	UAT						
	B1		HIGH	HIGH	HIGH	HIGH	HIGH	UAT	LAT						
	B2/B25, 1900RX		HIGH	LOW	LOW	HIGH	LOW	LAT	UAT						
C	B2/B25, 1900RX		HIGH	LOW	LOW	HIGH	HIGH	UAT	LAT						
	B3		HIGH	HIGH	LOW	LOW	LOW	LAT	UAT						
	B3		HIGH	HIGH	LOW	LOW	HIGH	UAT	LAT						
	B5/B6/B18, 850RX		HIGH	LOW	LOW	LOW	LOW	LAT	UAT						
C	B5/B6/B18, 850RX		HIGH	LOW	LOW	LOW	HIGH	UAT	LAT						
	B20		HIGH	LOW	HIGH	HIGH	LOW	LAT	UAT						
	B20		HIGH	LOW	HIGH	HIGH	HIGH	UAT	LAT						
	B34/B39 TX		LOW	LOW	HIGH	HIGH	LOW	LAT	TERMINATED						
B	B34/B39 TX		LOW	LOW	HIGH	HIGH	HIGH	UAT	TERMINATED						
	B34 RX		LOW	LOW	LOW	HIGH	LOW	LAT	UAT						
	B34 RX		LOW	LOW	LOW	HIGH	HIGH	UAT	LAT						
	B39 RX		LOW	LOW	HIGH	LOW	LOW	LAT	UAT						
B	B39 RX		LOW	LOW	HIGH	LOW	HIGH	UAT	LAT						
	B38/B40 TX		LOW	HIGH	HIGH	LOW	LOW	LAT	TERMINATED						
	B38/B40 TX		LOW	HIGH	HIGH	LOW	HIGH	UAT	TERMINATED						
	B38 RX		HIGH	LOW	HIGH	LOW	LOW	LAT	UAT						
B	B38 RX		HIGH	LOW	HIGH	LOW	HIGH	UAT	LAT						
	B40 RX		HIGH	HIGH	HIGH	LOW	LOW	LAT	UAT						
	B40 RX		HIGH	HIGH	HIGH	LOW	HIGH	UAT	LAT						
	B7		LOW	HIGH	HIGH	HIGH	LOW	LAT	UAT						
A	B7		LOW	HIGH	HIGH	HIGH	HIGH	UAT	LAT						
	B8, GSM900 RX		LOW	HIGH	LOW	HIGH	LOW	LAT	UAT						
	B8, GSM900 RX		LOW	HIGH	LOW	HIGH	HIGH	UAT	LAT						
	GSM1800 RX		LOW	LOW	LOW	LOW	LOW	LAT	TERMINATED						
A	GSM1800 RX		LOW	LOW	LOW	LOW	HIGH	UAT	TERMINATED						
LAT = LOWER ANTENNA UAT = UPPER ANTENNA															
8		7		6		5		4		3		2		1	

# WLAN/BT



PULL-UP ON GPIO6, SDIO\_DATA\_2 & PULL-DOWN ON SDIO\_DATA\_1 REQUIRED FOR HSIC BOOTSTRAPPING

8				7				6				5				4				3				2				1			
D	Title: Basenet Report			50_B20_TX_PAD_IN			50_B20_TX_PAD_IN -			13C5			50_PDET_IN			7C3			100_XCVR_B5_B18_PRX_P			100_XCVR_B5_B18_PRX_P -			7D8 9C3						
	Design: radio_mlb			50_B20_TX_SAW_IN			50_B20_TX_SAW_IN -			10C5 13C8			50_PDET_PAD_IN			7C1 14C3			100_XCVR_B7_B38_B40_DRX_N			100_XCVR_B7_B38_B40_DRX_N -			7C8 18C2						
	Date: Nov 27 01:19:39 2012			50_B20_TX_SAW_MATCH			50_B20_TX_SAW_MATCH -			13C8			50_PDET_PAD_OUT			7C2			100_XCVR_B7_B38_B40_DRX_P			100_XCVR_B7_B38_B40_DRX_P -			7C8 18C2						
	Base nets and synonyms for radio_mlb.lib.RADIO_MLB(@radio_mlb.lib.radio_mlb(sch_1))			50_B20_TX_SAW_OUT			50_B20_TX_SAW_OUT -			13C6			50_RX_MOD_B34_B39_IN			11B2			100_XCVR_B7_B38_B40_PRX_N			100_XCVR_B7_B38_B40_PRX_N -			7C8 9C2						
	Base Signal Synonyms			50_B34_B39_PA_FILT_I_N			50_B34_B39_PA_FILT_OUT -			11C4			50_RX_MOD_DCS_IN			11B2			100_XCVR_B7_B38_B40_PRX_P			100_XCVR_B7_B38_B40_PRX_P -			7C8 9B2						
	3P4T_SEL_0			50_B34_B39_PA_FILT_O			50_B34_B39_PA_FILT_OUT -			11C3			50_TXRX_B38_B40_ASM			17B5			100_XCVR_B8_B20_DRX_N			100_XCVR_B8_B20_DRX_N -			7C8 18C2						
	3P4T_SEL_1			50_B34_B39_PA_OUT			50_B34_B39_PA_OUT -			11C4			50_TX_G_HB_ASM			15B2 17B4			100_XCVR_B8_B20_DRX_P			100_XCVR_B8_B20_DRX_P -			7C8 18C2						
	19P2M_CLK_EN			50_B34_B39_RX_ASM			50_B34_B39_RX_ASM -			11B1 17B7			50_TX_G_HB_MCH			15C7			100_XCVR_B8_B20_PRX_N			100_XCVR_B8_B20_PRX_N -			7D8 9D3						
	19P2M_MDM			50_B34_B39_TX_ASM			50_B34_B39_TX_ASM -			11C1 17B7			50_TX_G_HB_PAIN			15C6			100_XCVR_B8_B20_PRX_P			100_XCVR_B8_B20_PRX_P -			7D8 9D3						
	19P2M_WTR			50_B34_B39_TX_FILT_I_N			50_B34_B39_TX_FILT_IN -			10D4			50_TX_G_HB_PAOUT			15B4			100_XCVR_B20_PRX_N			100_XCVR_B20_PRX_N -			7D8 9B6						
	19P2M_WTR_FILT_IN			50_B34_PA_IN			50_B34_PA_IN -			11C7			50_TX_G_LB_ASM			15B2 17B4			100_XCVR_B20_PRX_P			100_XCVR_B20_PRX_P -			7D8 9A6						
C	19P2M_WTR_IN			50_B34_TX_SAW_OUT			50_B34_TX_SAW_OUT -			10D1 11C8			50_TX_G_LB_MCH			15B7			100_XCVR_GPS_RX_MATC_H_N			100_XCVR_GPS_RX_MATC_H_N -			18C4						
	19P2M_XTAL_IN			50_B38_B40_DRX_AUX2_OUT			50_B38_B40_DRX_AUX2_OUT -			18A7			50_TX_G_LB_PAIN			15B6			100_XCVR_GPS_RX_MATC_H_P			100_XCVR_GPS_RX_MATC_H_P -			18C4						
	19P2M_XTAL_OUT			50_B38_B40_DRX_FILT_IN			50_B38_B40_DRX_FILT_IN -			18A6			50_TX_G_LB_PAOUT			15B4			100_XCVR_GPS_RX_N			100_XCVR_GPS_RX_N -			7B8 18C6						
	50_B1_ANT			50_B38_B40_PA_IN			50_B38_B40_PA_IN -			11B7			50_UAT1_LPF			20D3			100_XCVR_GPS_RX_P			100_XCVR_GPS_RX_P -			7B8 18B6						
	50_B1_PA_IN			50_B38_B40_SPDT			50_B38_B40_SPDT -			9B2 17C2			50_UAT2_ANT_FD			20B7			ADC_LDO6_RUIM_V18			ADC_LDO6_RUIM_V18 -			2A7 2B8						
	50_B1_PA_OUT			50_B38_B40_TX_FILT_A			50_B38_B40_TX_FILT_A -			9B3			50_UAT2_ANT_MATCH			20B7			ADC_LVS1			ADC_LVS1 -			2A7 2A8						
	50_B1_PA_OUT_MATCH			50_B38_B40_TX_MATCH			50_B38_B40_TX_MATCH -			11B7			50_UAT2_DIPLEX			20C6			ADC_SMPS1_MSMC_IV05			ADC_SMPS1_MSMC_IV05 -			2A7 2B8						
	50_B1_RX_MOD_ANT			50_B38_B40_TX_SPDT_M			50_B38_B40_TX_SPDT_M -			10B4 11B8			50_UAT_CELL			20D4			ADC_SMPS3_MSME_V18			ADC_SMPS3_MSME_V18 -			2A7 2B8						
	50_B1_TX_SAW_MATCH			50_B38_B40_TX_SPDT_OUT			50_B38_B40_TX_SPDT_OUT -			10B5			50_UAT_COAX_DOWN			20C2			ANT_SEL_0			ANT_SEL_0 -			6C2 11D4 17B3 18C6						
	50_B1_TX_SAW_OUT			50_B38_DRX_FILT_OUT			50_B38_DRX_FILT_OUT -			18A5			50_UAT_COAX_UP			17B4 20C1			ANT_SEL_1			ANT_SEL_1 -			2C3 6C2 11D4 17B3 18C6						
	50_B2_ANT			50_B38_DRX_MOD_IN			50_B38_DRX_MOD_IN -			18B4			50_UPPER_ANT_FEED			20D8			ANT_SEL_2			ANT_SEL_2 -			2C1 6C2 17B3 18C6						
B	50_B2_B3_CPL_IN			50_B38_FILTER			50_B38_FILTER -			9B5 11D1			50_UPPER_MCH_1			20D6			ANT_SEL_3			ANT_SEL_3 -			6C2 17B3 18C6						
	50_B2_DPLX_ANT			50_B38_FILTER_MATCH			50_B38_FILTER_MATCH -			9B4			50_UPPER_MCH_1			20C6 23C1			ANT_SEL_4			ANT_SEL_4 -			6C2 17B3						
	50_B2_DPLX_ANT_MATCH			50_B38_PA_MATCH			50_B38_PA_MATCH -			11D4			50_WLAN_A			23C4			AP_HSIC1_RDY			AP_HSIC1_RDY -			2C1 2C8 6B2						
	50_B2_DUPLX_RX			50_B38_PA_OUT			50_B38_PA_OUT -			11D4			50_WLAN_A_ANT			23C4			AP_HSIC3_RDY			AP_HSIC3_RDY -			2C6 2C8 23B3						
	50_B2_RX_BALUN			50_B39_PA_IN			50_B39_PA_IN -			11C7			50_WLAN_G			23C4			AP_WAKE_MODEM			AP_WAKE_MODEM -			2D8 6B4						
	50_B2_TX_PAD_IN			50_B39_TX_SAW_OUT			50_B39_TX_SAW_OUT -			10D1 11C8			50_XCVR_2G_HB_TX			7D2 15C8			B40_FILT_SELECT			B40_FILT_SELECT -			6C2 17C3						
	50_B2_TX_SAW_IN			50_B40_DRX_FILT_OUT			50_B40_DRX_FILT_OUT -			18A5			50_XCVR_2G_LB_TX			7D2 15B8			BB_ERROR_FLAG			BB_ERROR_FLAG -			2D6 6B2						
	50_B2_TX_SAW_OUT			50_B40_DRX_MOD_IN			50_B40_DRX_MOD_IN -			18A4			50_XCVR_B1_B3_TX			7D2 10C5			BB_HSIC1_REMOTR_WAKE			BB_HSIC1_REMOTR_WAKE -			2C8 6B2						
	50_B3_ANT			50_B40_FILTER			50_B40_FILTER -			9A5 11D1			50_XCVR_B2_TX			7D2 10D8			BB_I2S_CLK			BB_I2S_CLK -			2B6 2C8 6B4						
A	50_B3_DPLX_ANT			50_B40_FILTER_MATCH			50_B40_FILTER_MATCH -			9A4			50_XCVR_B5_B18_TX			7D2 10D8			BB_I2S_RXD			BB_I2S_RXD -			2B6 2C8 6B4						
	50_B3_DPLX_ANT_MATCH			50_B40_PA_MATCH			50_B40_PA_MATCH -			11C4			50_XCVR_B7_B38_B40_TX			7C2 10B7			BB_I2S_TXD			BB_I2S_TXD -			2A6 2C8 6B4						
	50_B3_DUPLX_RX			50_B40_PA_OUT			50_B40_PA_OUT -			11C4			50_XCVR_B7_B38_B40_TX_MATCH			10B6			BB_I2S_WS			BB_I2S_WS -			2B6 2C8 6B4						
	50_B3_RX_BALUN			50_DCS_RX_ASM			50_DCS_RX_ASM -			11B1 17B7			50_XCVR_B8_TX			7D2 10C8			BB_IPC_GPIO			BB_IPC_GPIO -			2A8 6B2						
	50_B3_TX_PAD_IN			50_DIVERSITY_SWITCH_MATCH			50_DIVERSITY_SWITCH_MATCH -			18C4			50_XCVR_B20_TX			7D2 10C8			BB_JTAG_RTCLK			BB_JTAG_RTCLK -			2C3 5B3						
	50_B3_TX_SAW_MATCH			50_DRX_ANT			50_DRX_ANT -			17B4 18D6			50_XCVR_B34_B39_TX			7D2 10D5			BB_JTAG_TCK			BB_JTAG_TCK -			2B8 2C3 5B5						
	50_B3_TX_SAW_OUT			50_DRX_ASM_MCH			50_DRX_ASM_MCH -			18D6			90_BB_USB_D_N			2C3 2C8 5A5			BB_JTAG_TDI			BB_JTAG_TDI -			2B8 2C3 5B5						
	50_B5_ANT			50_DRX_MOD_TERM			50_DRX_MOD_TERM -			18C3			90_BB_USB_D_P			2C3 2C8 5A5			BB_JTAG_TDO			BB_JTAG_TDO -			2B8 2C3 5B3						
	50_B5_B8_CPL_IN			50_EXTRACTOR_CELL			50_EXTRACTOR_CELL -			20C3			100_B5_DUPLX_RX_N			9C4 14C5			BB_JTAG_TMS			BB_JTAG_TMS -			2B8 2C3 5B5						
A	50_B5_B18_TX_SAW_IN			50_EXTRACTOR_DIPLEX_1			50_EXTRACTOR_DIPLEX_1 -			20B5			100_B5_DUPLX_RX_P			9C4 14C5			BB_JTAG_TRST_L			BB_JTAG_TRST_L -			2B8 2C3 5B5						
	50_B5_DPLX_ANT			50_EXTRACTOR_WIFI			50_EXTRACTOR_WIFI -			20C4			100_B7_B38_B40_PRX_B			9C4			BB_PDM			BB_PDM -			6B2 16C7						
	50_B5_TX_PAD_IN			50_EXTRACTOR_WIFI			50_EXTRACTOR_WIFI -			11C4			100_B7_B38_B40_PRX_B			9B4			BB_PDM_FILT			BB_PDM_FILT -			16C6						
	50_B5_TX_SAW_OUT			50_FULL_B40_FILTER			50_FULL_B40_FILTER -			9A5 11D1			100_B7_B38_B40_PRX_B			9B4			BB_RST_L			BB_RST_L -			2C1 2D8 4C8						
	50_B7_ANT			50_FULL_B40_FILTER_M			50_FULL_B40_FILTER_M -			9A4			100_B7_B38_B40_PRX_M			9C3			BB_SPI_TO_PAC_CLK			BB_SPI_TO_PAC_CLK -			2B8 6C4 20C7						
	50_B7_B38_B40_PRX_BALUN_IN			50_FULL_B40_SPDT			50_FULL_B40_SPDT -			9A2 17C2			100_B7_B38_B40_PRX_M			9B3			BB_SPI_TO_PAC_CLK_FILT			BB_SPI_TO_PAC_CLK_FILT -			20C6						
	50_B7_B38_B40_SPDT			50_FULL_B40_SPDT_MAT			50_FULL_B40_SPDT_MAT -			9A3			100_B8_DUPLX_RX_N			9D4 14C5			BB_SPI_TO_PAC_CS			BB_SPI_TO_PAC_CS -			2B8 6C4 20D7						
	50_B7_DPLX_ANT			50_GPS_ANT			50_GPS_ANT -			19B6			100_B8_DUPLX_RX_P			9D4 14C5			BB_SPI_TO_PAC_CS_FILT			BB_SPI_TO_PAC_CS_FILT -			20D6						
	50_B7_DUPLX_RX			50_GPS_ANT_FEED			50_GPS_ANT_FEED -			19B5			100_B8_DUPLX_RX_P			9B8 13B4			BB_SPI_TO_PAC_DATA_M			BB_SPI_TO_PAC_DATA_M -			2B8 6C4 20C7						
	50_B7_TX_FILT_IN			50_GPS_DRX_MOD_IN			50_GPS_DRX_MOD_IN -			18C4			100_B20_DUPLX_RX_N			9A8 13B4			BB_SPI_TO_PAC_DATA_M			BB_SPI_TO_PAC_DATA_M -			20C6						
	50_B7_TX_FILT_MATCH			50_GPS_LNA_MATCH			50_GPS_LNA_MATCH -			19B6			100_RX_MODULE_OUT_N			9C8 11B5			BB_UART_CTS_L			BB_UART_CTS_L -			2C3 2C8 6C4						

	8	7	6	5	4	3	2	1
D	BT_UART_RXD BT_UART_TXD BT_WAKE CLK32K_AP DCDC_ADJ DCDC_EN DCDC_MODE DCDC_OUT DEBUG_RST_L DRX_BB_I_N DRX_BB_I_P DRX_BB_Q_N DRX_BB_Q_P EBI1_CAL GPIO_6 GPIO_51 GPIO_DEBUG_LED GPS_BB_I_N GPS_BB_I_P GPS_BB_Q_N GPS_BB_Q_P GSM_PA_HB_EN GSM_PA_LB_EN HOST_WAKE_BB HOST_WAKE_BT HOST_WAKE_WLAN JTAG_SEL LAT_SW1_CTL LAT_SW2_CTL LAT_SW3_CTL LTE_COEX_RXD LTE_COEX_TXD OSCAR_CONTEXT_A OSCAR_CONTEXT_B PAC_TO_BB_SPI_DATA_M ISO PAC_TO_BB_SPI_DATA_M ISO_FILT PA_BS PA_ID PA_MB_CTL0 PA_MB_CTL1 PA_ON_B2_B3 PA_ON_B5_B8 PA_ON_B7_B20 PA_R1 PBL_RUN_BB_HSIC1_RDY PMIC_RESOUT_L PMIC_SSB1 PM_MDM_IRQ_L PM_USR_IRQ_L PP_BATT_VCC_2G_PA PP_BATT_VCC_CONN PP_BATT_VCC_WLAN PP_LD01 PP_LD02_XO_HS_IV8 PP_LD03_AMUX_IV8 PP_LD04_VDDA_3V3 PP_LD05_GPS_LNA_2V5 PP_LD06_RUIM_IV8 PP_LD07_DAC_IV8 PP_LD08_VDDPX_IV2 PP_LD09_PLL_IV05 PP_LD010_ADS_P_IV05 PP_LD011_MDSP_FW_IV05 PP_LD012_MDSP_SW_IV05 PP_LD013_VDDPX_2V95 PP_LD014_2V65 PP_LD014_2V65_ASM PP_LD014_3P4T	BT_UART_RXD - @radio_mlb.lib.RADIO_MLB BT_UART_TXD - @radio_mlb.lib.RADIO_MLB BT_WAKE - @radio_mlb.lib.RADIO_MLB CLK32K_AP - @radio_mlb.lib.RADIO_MLB DCDC_ADJ - @radio_mlb.lib.RADIO_MLB DCDC_EN - @radio_mlb.lib.RADIO_MLB DCDC_MODE - @radio_mlb.lib.RADIO_MLB DCDC_OUT - @radio_mlb.lib.RADIO_MLB DEBUG_RST_L - @radio_mlb.lib.RADIO_MLB DRX_BB_I_N - @radio_mlb.lib.RADIO_MLB DRX_BB_I_P - @radio_mlb.lib.RADIO_MLB DRX_BB_Q_N - @radio_mlb.lib.RADIO_MLB DRX_BB_Q_P - @radio_mlb.lib.RADIO_MLB EBI1_CAL - @radio_mlb.lib.RADIO_MLB GPIO_6 - @radio_mlb.lib.RADIO_MLB GPIO_51 - @radio_mlb.lib.RADIO_MLB GPIO_DEBUG_LED - @radio_mlb.lib.RADIO_MLB GPS_BB_I_N - @radio_mlb.lib.RADIO_MLB GPS_BB_I_P - @radio_mlb.lib.RADIO_MLB GPS_BB_Q_N - @radio_mlb.lib.RADIO_MLB GPS_BB_Q_P - @radio_mlb.lib.RADIO_MLB GSM_PA_HB_EN - @radio_mlb.lib.RADIO_MLB GSM_PA_LB_EN - @radio_mlb.lib.RADIO_MLB HOST_WAKE_BB - @radio_mlb.lib.RADIO_MLB HOST_WAKE_BT - @radio_mlb.lib.RADIO_MLB HOST_WAKE_WLAN - @radio_mlb.lib.RADIO_MLB JTAG_SEL - @radio_mlb.lib.RADIO_MLB LAT_SW1_CTL - @radio_mlb.lib.RADIO_MLB LAT_SW2_CTL - @radio_mlb.lib.RADIO_MLB LAT_SW3_CTL - @radio_mlb.lib.RADIO_MLB LTE_COEX_RXD - @radio_mlb.lib.RADIO_MLB LTE_COEX_TXD - @radio_mlb.lib.RADIO_MLB OSCAR_CONTEXT_A - @radio_mlb.lib.RADIO_MLB OSCAR_CONTEXT_B - @radio_mlb.lib.RADIO_MLB PAC_TO_BB_SPI_DATA_M - @radio_mlb.lib.RADIO_MLB ISO PAC_TO_BB_SPI_DATA_MISO_FILT - @radio_mlb.lib.RADIO_MLB PA_BS - @radio_mlb.lib.RADIO_MLB PA_ID - @radio_mlb.lib.RADIO_MLB PA_MB_CTL0 - @radio_mlb.lib.RADIO_MLB PA_MB_CTL1 - @radio_mlb.lib.RADIO_MLB PA_ON_B2_B3 - @radio_mlb.lib.RADIO_MLB PA_ON_B5_B8 - @radio_mlb.lib.RADIO_MLB PA_ON_B7_B20 - @radio_mlb.lib.RADIO_MLB PA_R1 - @radio_mlb.lib.RADIO_MLB PBL_RUN_BB_HSIC1_RDY - @radio_mlb.lib.RADIO_MLB PMIC_RESOUT_L - @radio_mlb.lib.RADIO_MLB PMIC_SSB1 - @radio_mlb.lib.RADIO_MLB PM_MDM_IRQ_L - @radio_mlb.lib.RADIO_MLB PM_USR_IRQ_L - @radio_mlb.lib.RADIO_MLB PP_BATT_VCC_2G_PA - @radio_mlb.lib.RADIO_MLB PP_BATT_VCC_CONN - @radio_mlb.lib.RADIO_MLB PP_BATT_VCC_WLAN - @radio_mlb.lib.RADIO_MLB PP_LD01 - @radio_mlb.lib.RADIO_MLB PP_LD02_XO_HS_IV8 - @radio_mlb.lib.RADIO_MLB PP_LD03_AMUX_IV8 - @radio_mlb.lib.RADIO_MLB PP_LD04_VDDA_3V3 - @radio_mlb.lib.RADIO_MLB PP_LD05_GPS_LNA_2V5 - @radio_mlb.lib.RADIO_MLB PP_LD06_RUIM_IV8 - @radio_mlb.lib.RADIO_MLB PP_LD07_DAC_IV8 - @radio_mlb.lib.RADIO_MLB PP_LD08_VDDPX_IV2 - @radio_mlb.lib.RADIO_MLB PP_LD09_PLL_IV05 - @radio_mlb.lib.RADIO_MLB PP_LD010_ADS_P_IV05 - @radio_mlb.lib.RADIO_MLB PP_LD011_MDSP_FW_IV05 - @radio_mlb.lib.RADIO_MLB PP_LD012_MDSP_SW_IV05 - @radio_mlb.lib.RADIO_MLB PP_LD013_VDDPX_2V95 - @radio_mlb.lib.RADIO_MLB PP_LD014_2V65 - @radio_mlb.lib.RADIO_MLB PP_LD014_2V65_ASM - @radio_mlb.lib.RADIO_MLB PP_LD014_3P4T -	2B6 2B8 23C3 2B6 2B8 23C3 2B8 2D1 23C2 2C8 2D6 23C7 16C5 6C2 16C5 6B2 16C5 16C4 2D3 5B5 6C8 7C5 6C8 7C5 6C8 7C5 6C8 7C5 5D2 23C5 2C3 6C2 2C3 6B4 6C8 7B5 6C8 7B5 6C8 7B5 6C8 7B5 6C8 7B5 6B4 15B5 6B4 15B5 2C1 2D8 6B2 2C8 23C3 2C8 23B3 23A7 23C6 2B8 2C1 6C2 2B8 6C2 2B8 6C2 6B2 23A6 2C6 6B2 23A6 2A8 6B4 23B3 2A8 6B2 23B3 2B8 6C4 20D7 20D6 6B4 11D8 12D4 13C3 14D4 4D3 6B4 10B6 11D8 6B4 11D8 6B4 12D4 6B4 14D4 6B4 13C3 6C2 11D8 12D4 13C3 14D4 15B5 2C1 2D8 6B2 2C1 4C6 5B5 2D6 4C8 5A5 4C6 6B2 4C6 6A2 15C4 2D1 2D8 3C8 11D7 12D5 13C5 14D6 15C5 16C6 23D5 3B2 3B1 5B5 3B1 4B5 4D4 5B6 3B1 5B6 3B1 19C4 2A4 2A6 2A8 2D1 3B1 5A6 3B1 5A6 3B1 5A6 3B1 5A6 3B1 5B6 5B8 5D8 3B1 5C6 5D7 3B1 5C6 5D6 3B1 5B6 5D7 3B1 5A8 2B8 3B1 10B6 11B4 11D4 17C6 18D4 20D1 20D3 17C5 17D3 11D3	PP_LD014_PAC_2V65 PP_LD014_RX_MOD PP_LVSI1 PP_PA PP_RF1_IV3_DRX_FE @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_DRX_LBLO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_DRX_MBL0 - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_DIG - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_LNA - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_JAM_DET - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_FEL01 - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_FEL02 - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_SHDR_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_SHDR_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_DA - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_LO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_SYNTH - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_SYNTH - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_LO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_TX_DA - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_SHDR_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_SHDR_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_PRX_FEL01 - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_JAM_DET - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_VCO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_PLL - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_LNA - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_GPS_DIG - @radio_mlb.lib.RADIO_MLB PP_RF1_IV3_DRX_LBLO - @radio_mlb.lib.RADIO_MLB PP_RF1_IV8_DIG - @radio_mlb.lib.RADIO_MLB PP_SMPS3_MSME_IV8 - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_DRX_BB PP_RF2_2V05_DRX_BB - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_PRX_BB @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_PRX_VCO - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_SHDR_VCO - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_TX_BB - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_TX_DA - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_TX_PLL - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_TX_DA - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_TX_BB - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_SHDR_VCO - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_PRX_VCO - @radio_mlb.lib.RADIO_MLB PP_RF2_2V05_PRX_BB - @radio_mlb.lib.RADIO_MLB PP_SMPS1_MSMC_IV05 @radio_mlb.lib.RADIO_MLB PP_SMPS2_RF1_IV3 @radio_mlb.lib.RADIO_MLB PP_SMPS4_RF2_2V05 @radio_mlb.lib.RADIO_MLB PP_SMPS5_DSP_IV05	20D5 11B3 2A8 3D1 5B6 11D7 12D5 13C5 14D6 15C5 16C2 8B4 8B5 8A5 8B4 8A5 8B4 8A1 8D4 8A1 8D4 8A1 8D4 8A1 8D4 8A6 8B4 8B4 8B5 8B4 8B6 8A4 8D6 8B4 8D6 8A4 8D6 8A4 8C6 8B1 8C6 8B1 8B6 8B1 8C6 8B1 8B6 8B1 8C6 8A4 8C6 8A4 8D6 8B4 8D6 8A4 8D6 8B4 8B5 8A6 8B4 8A1 8D4 8A1 8D4 8A1 8D4 8A1 8D4 8A5 8B4 8A1 8C4 2A8 2D1 3B6 3C1 5A6 5A6 5A6 5A8 5C6 5D7 5D8 6B8 8B4 8D1 8B4 8D1 8B4 8C1 8B1 8C1 8B1 8C1 8D3 8B1 8C1 8B1 8C1 8B1 8C1 8B1 8D1 8A4 8C1 8B4 8C1 8B4 8D1 2A8 3D1 5C8 5C8 5D8 3D1 5A5 8D8 3B6 3C1 8D3 3B6 3C1	PP_SPI_NOR_IV8 PP_SYNC PP_VCC_MAIN_WLAN PP_VREG PP_VSW_S1 PP_VSW_S2 PP_VSW_S3 PP_VSW_S4 PP_VSW_S5 PP_WLAN_VDDIO_IV8 PP_WL_BT_VDDIO_AP PRX_BB_I_N PRX_BB_I_P PRX_BB_Q_N PRX_BB_Q_P PS_HOLD PS_HOLD_PMIC RADIO_ON_L REF_BYP REF_GND RESET_DET_L RESET_PMU_L RF_RESET_L RREFEXT S1_GND S2_GND S3_GND S4_GND S5_GND SDIO_DATA_1 SDIO_DATA_2 SIMCRD_CLK_CONN SIMCRD_IO_CONN SIMCRD_RST_CONN SIM_TRAY_DETECT SLEEP_CLK_32K SPI_CLK SPI_CS_L SPI_DATA_MISO SPI_DATA_MOSI TX_BB_I_N TX_BB_I_P TX_BB_Q_N TX_BB_Q_P TX_GTR_THRESH VDDPX_BIAS VREF_DAC_BIAS WLAN_BUCK_OUT WLAN_CLK32K WLAN_COEX_RXD WLAN_COEX_TXD WLAN_HSIC3_DEVICE_RDY WLAN_HSIC3_RESUME WLAN_REQ_ON WLAN_SR_VLX1 WLAN_TX_BLANK WLAN_UART_RXD WLAN_UART_TXD WTR_BB_TX_DAC_IREF WTR_GP_DATA0 WTR_GP_DATA1 WTR_GP_DATA2 WTR_RBBIAS WTR_RF_ON WTR_RX_ON WTR_SSB1_PRX_DRX WTR_SSB1_TX_GPS XO_GND XO_THERM_Y1	@radio_mlb.lib.RADIO_MLB PP_SPI_NOR_IV8 - @radio_mlb.lib.RADIO_MLB PP_SYNC - @radio_mlb.lib.RADIO_MLB PP_VCC_MAIN_WLAN - @radio_mlb.lib.RADIO_MLB PP_VREG - @radio_mlb.lib.RADIO_MLB PP_VSW_S1 - @radio_mlb.lib.RADIO_MLB PP_VSW_S2 - @radio_mlb.lib.RADIO_MLB PP_VSW_S3 - @radio_mlb.lib.RADIO_MLB PP_VSW_S4 - @radio_mlb.lib.RADIO_MLB PP_VSW_S5 - @radio_mlb.lib.RADIO_MLB PP_WLAN_VDDIO_IV8 - @radio_mlb.lib.RADIO_MLB PP_WL_BT_VDDIO_AP - @radio_mlb.lib.RADIO_MLB PRX_BB_I_N - @radio_mlb.lib.RADIO_MLB PRX_BB_I_P - @radio_mlb.lib.RADIO_MLB PRX_BB_Q_N - @radio_mlb.lib.RADIO_MLB PRX_BB_Q_P - @radio_mlb.lib.RADIO_MLB PS_HOLD - @radio_mlb.lib.RADIO_MLB PS_HOLD_PMIC - @radio_mlb.lib.RADIO_MLB RADIO_ON_L - @radio_mlb.lib.RADIO_MLB REF_BYP - @radio_mlb.lib.RADIO_MLB REF_GND - @radio_mlb.lib.RADIO_MLB RESET_DET_L - @radio_mlb.lib.RADIO_MLB RESET_PMU_L - @radio_mlb.lib.RADIO_MLB RF_RESET_L - @radio_mlb.lib.RADIO_MLB RREFEXT - @radio_mlb.lib.RADIO_MLB S1_GND - @radio_mlb.lib.RADIO_MLB S2_GND - @radio_mlb.lib.RADIO_MLB S3_GND - @radio_mlb.lib.RADIO_MLB S4_GND - @radio_mlb.lib.RADIO_MLB S5_GND - @radio_mlb.lib.RADIO_MLB SDIO_DATA_1 - @radio_mlb.lib.RADIO_MLB SDIO_DATA_2 - @radio_mlb.lib.RADIO_MLB SIMCRD_CLK_CONN - @radio_mlb.lib.RADIO_MLB SIMCRD_IO_CONN - @radio_mlb.lib.RADIO_MLB SIMCRD_RST_CONN - @radio_mlb.lib.RADIO_MLB SIM_TRAY_DETECT - @radio_mlb.lib.RADIO_MLB SLEEP_CLK_32K - @radio_mlb.lib.RADIO_MLB SPI_CLK - @radio_mlb.lib.RADIO_MLB SPI_CS_L - @radio_mlb.lib.RADIO_MLB SPI_DATA_MISO - @radio_mlb.lib.RADIO_MLB SPI_DATA_MOSI - @radio_mlb.lib.RADIO_MLB TX_BB_I_N - @radio_mlb.lib.RADIO_MLB TX_BB_I_P - @radio_mlb.lib.RADIO_MLB TX_BB_Q_N - @radio_mlb.lib.RADIO_MLB TX_BB_Q_P - @radio_mlb.lib.RADIO_MLB TX_GTR_THRESH - @radio_mlb.lib.RADIO_MLB VDDPX_BIAS - @radio_mlb.lib.RADIO_MLB VREF_DAC_BIAS - @radio_mlb.lib.RADIO_MLB WLAN_BUCK_OUT - @radio_mlb.lib.RADIO_MLB WLAN_CLK32K - @radio_mlb.lib.RADIO_MLB WLAN_COEX_RXD - @radio_mlb.lib.RADIO_MLB WLAN_COEX_TXD - @radio_mlb.lib.RADIO_MLB WLAN_HSIC3_DEVICE_RDY - @radio_mlb.lib.RADIO_MLB WLAN_HSIC3_RESUME - @radio_mlb.lib.RADIO_MLB WLAN_REQ_ON - @radio_mlb.lib.RADIO_MLB WLAN_SR_VLX1 - @radio_mlb.lib.RADIO_MLB WLAN_TX_BLANK - @radio_mlb.lib.RADIO_MLB WLAN_UART_RXD - @radio_mlb.lib.RADIO_MLB WLAN_UART_TXD - @radio_mlb.lib.RADIO_MLB WTR_BB_TX_DAC_IREF - @radio_mlb.lib.RADIO_MLB WTR_GP_DATA0 - @radio_mlb.lib.RADIO_MLB WTR_GP_DATA1 - @radio_mlb.lib.RADIO_MLB WTR_GP_DATA2 - @radio_mlb.lib.RADIO_MLB WTR_RBBIAS - WTR_RBBIAS - WTR_RF_ON - @radio_mlb.lib.RADIO_MLB WTR_RX_ON - @radio_mlb.lib.RADIO_MLB WTR_SSB1_PRX_DRX - @radio_mlb.lib.RADIO_MLB WTR_SSB1_TX_GPS - @radio_mlb.lib.RADIO_MLB XO_GND - @radio_mlb.lib.RADIO_MLB XO_THERM_Y1 -	6B7 2C8 6B2 2D8 23D6 3D2 3C4 3C4 3C4 3C4 3B4 23B7 23C4 2C8 23C3 6C8 7D5 6C8 7D5 6C8 7D5 4C8 6B2 2C3 4C7 2D3 2D8 4C8 3C5 3C5 2C1 2D8 6B2 2D3 2D8 4C8 2C3 2D8 5A5 3B6 3D2 4B6 3B6 3C2 4B6 3B6 3C2 4B6 3B6 3C2 4B6 3B2 3B5 4B6 23A7 23B6 2A2 2A6 2C1 2D5 6C4 2A4 2A4 2C1 6C4 2A4 2A6 2C1 2D5 6C4 2A2 2A5 2C1 6C4 2D6 4B2 5B5 2D5 6A8 6C4 2C5 6A6 6C4 2C5 6A6 6C4 2D5 6A8 6C4 6C6 7D4 6C6 7D4 6C6 7D4 6C6 7D4 2D8 6C2 4D3 5B6 4C3 6C6 23C7 23C6 23A5 23B6 2C6 23A5 23B6 2C6 2C8 23B3 2C6 2D8 23B3 2C1 2C8 23C6 23B6 6B2 23B3 2C8 23B3 2C8 23B3 6C6 7D4 6B2 7D4 6B2 7D4 7C4 2C6 6B4 7C4 2C6 6B4 7C4 2C6 6B2 7C4 4A4 4B4
C								
B								
A								
	8	7	6	5	4	3	2	1

8				7				6				5				4				3				2				1			
Title: Cref Part Report Design: radio_mlb Date: Nov 27 0:19:39 2012				C121 RES_201 radio_mlb[14C3] C122 CAP_01005 radio_mlb[17C5] C123 IND_01005 radio_mlb[11D2] C124 CAP_01005 radio_mlb[9C4] C125 RES_01005 radio_mlb[10D7] C126 RES_01005 radio_mlb[10C7] C127 CAP_01005 radio_mlb[4B4] C128 CAP_01005 radio_mlb[7C5] C129 RES_01005 radio_mlb[10C7] C130 RES_01005 radio_mlb[10C4] C131 CAP_01005 radio_mlb[13C8] C132 RES_01005 radio_mlb[10B4] C133 CAP_01005 radio_mlb[11B2] C134 CAP_01005 radio_mlb[11B2] C136 CAP_01005 radio_mlb[18C6] C137 CAP_01005 radio_mlb[18C6] C138 CAP_01005 radio_mlb[18C5] C139 CAP_01005 radio_mlb[18D3] C141 CAP_01005 radio_mlb[11D7] C142 CAP_01005 radio_mlb[11D6] C143 CAP_01005 radio_mlb[11D6] C144 CAP_01005 radio_mlb[16C6] C145 CAP_01005 radio_mlb[16C6] C146 IND_P_01005 radio_mlb[12C7] C147 CAP_01005 radio_mlb[12C6] C148 CAP_01005 radio_mlb[12D5] C149 CAP_0201-1 radio_mlb[12D5] C150 CAP_201 radio_mlb[12C3] C151 IND_0201 radio_mlb[12B3] C152 CAP_01005 radio_mlb[11D6] C153 CAP_01005 radio_mlb[11D6] C154 CAP_01005 radio_mlb[11D6] C155 IND_01005 radio_mlb[18C6] C156 IND_01005 radio_mlb[18B6] C157 CAP_01005 radio_mlb[20D2] C158 CAP_01005 radio_mlb[20B2] C160 CAP_01005 radio_mlb[10B7] C161 CAP_01005 radio_mlb[9C7] C162 CAP_01005 radio_mlb[9B7] C163 CAP_01005 radio_mlb[9C7] C164 CAP_01005 radio_mlb[9C7] C165 CAP_01005 radio_mlb[9B7] C166 CAP_01005 radio_mlb[9B7] C167 CAP_01005 radio_mlb[15C7] C168 CAP_01005 radio_mlb[16C3] C169 CAP_0201 radio_mlb[21C2] C171 CAP_01005 radio_mlb[15B7] C172 RES_01005 radio_mlb[15C6] C173 IND_01005 radio_mlb[10B7] C174 RES_01005 radio_mlb[10B4] C175 CAP_01005 radio_mlb[11D3] C176 CAP_01005 radio_mlb[11D3] C182 CAP_01005 radio_mlb[7C4] C183 CAP_01005 radio_mlb[15B5] C184 CAP_01005 radio_mlb[15C5] C185 CAP_402 radio_mlb[15C5] C186 CAP_01005 radio_mlb[15B5] C187 CAP_0201-1 radio_mlb[15C4] C188 CAP_01005 radio_mlb[15C4] C197 CAP_01005 radio_mlb[18B5] C198 CAP_01005 radio_mlb[18D4] C210 CAP_01005 radio_mlb[18C6] C211 CAP_01005 radio_mlb[10B6] C212 CAP_01005 radio_mlb[10B6] C213 CAP_01005 radio_mlb[10D7] C214 IND_01005 radio_mlb[10D7] C215 IND_01005 radio_mlb[10C7] C216 IND_01005 radio_mlb[13C8] C217 IND_01005 radio_mlb[10C7] C218 RES_01005 radio_mlb[13C8] C219 CAP_01005 radio_mlb[13B8] C220 IND_01005 radio_mlb[10D7] C226 RES_01005 radio_mlb[10D4] C227 CAP_01005 radio_mlb[13C6] C228 CAP_01005 radio_mlb[13B5] C229 CAP_01005 radio_mlb[13C4] C230 CAP_0201-1 radio_mlb[13C4] C233 RES_201 radio_mlb[13C2] C234 IND_0201 radio_mlb[13B2] C237 IND_01005 radio_mlb[11B7] C238 CAP_01005 radio_mlb[11C7] C239 CAP_01005 radio_mlb[11C7] C240 CAP_01005 radio_mlb[11C7] C241 CAP_01005 radio_mlb[11D6] C242 CAP_0201-1 radio_mlb[11D6] C244 CAP_01005 radio_mlb[8D1] C245 IND_0201 radio_mlb[11B5] C247 CAP_01005 radio_mlb[20D5] C248 RES_201 radio_mlb[11C4] C249 RES_01005 radio_mlb[11C4] C251 CAP_01005 radio_mlb[7C2] C252 CAP_01005 radio_mlb[11C3] C253 CAP_01005 radio_mlb[11B3] C254 CAP_01005 radio_mlb[11B2] C256 IND_01005 radio_mlb[11B2] C258 RES_201 radio_mlb[11D4] C261 CAP_201 radio_mlb[11C4] C263 IND_01005 radio_mlb[11C2] C264 CAP_201 radio_mlb[11B6] C268 CAP_01005 radio_mlb[17C3] C271 CAP_01005 radio_mlb[20D2] C272 CAP_01005 radio_mlb[11D3] C273 CAP_01005 radio_mlb[11B3] C274 CAP_01005 radio_mlb[8C6] C280 CAP_0201 radio_mlb[23C2] C281 CAP_0201 radio_mlb[23C2] C282 CAP_0201 radio_mlb[19B6] C700 CAP_01005 radio_mlb[2A5] C1201 CAP_0402 radio_mlb[16C5] C1214 CAP_01005 radio_mlb[16C5] C1726 CAP_01005 radio_mlb[20D7] FL2 FIL_SAW_TX_B1B3B34B3 radio_mlb[10D6] 9_10P_LGA FL3 FILTER_SAW_SATGR832M radio_mlb[10D6] BM0F57_LGA FL4 FILTER_2P_01005-1 radio_mlb[6B7] FL11 FILTER_SAWFD847MGA0F radio_mlb[13C7] 57_LGA FL12 FIL_LOWPASS_INOUT_4P radio_mlb[11C3] _LGA FL1701 FILTER_3P5_LFE18832M radio_mlb[20D7] HC1D449 J1 CON_M54ST_D4MT_SM_M- radio_mlb[2D2] ST-SM				J2 CON_FIST_COAX_S3MT_S radio_mlb[2B2] M_F-ST-SM J3 CON_FIST_COAX_S3MT_S radio_mlb[2B2] M_F-ST-SM J4 CON_FIST_COAX_S3MT_S radio_mlb[20A6] M_F-ST-SM J5 CON_FIST_COAX_S3MT_S radio_mlb[20C1] M_F-ST-SM J6 CON_FIST_COAX_S3MT_S radio_mlb[20C1] M_F-ST-SM J9 CON_F2ST_COAX_3MT_SM radio_mlb[20A4] _F-RT-SM J10 CON_FIST_COAX_S3MT_S radio_mlb[20B8] M_F-ST-SM J11 CON_F6ST_6MT_SIMCARD radio_mlb[2A6] _SM3_F-ST-SM L1 IND_0806 radio_mlb[3D3] L2 IND_0806 radio_mlb[3C3] L3 IND_0806 radio_mlb[3C3] L4 IND_0806 radio_mlb[3D3] L5 IND_TPA252010-SM radio_mlb[3C3] L6 IND_01005 radio_mlb[20D7] L7 IND_0201 radio_mlb[9C3] L8 IND_03015 radio_mlb[20D4] L9 IND_0603 radio_mlb[23B6] L10 RES_201 radio_mlb[9B4] L11 RES_201 radio_mlb[9A4] L12 CAP_01005-1 radio_mlb[11D1] L13 IND_0201 radio_mlb[17B3] L14 IND_01005 radio_mlb[14C6] L15 IND_01005 radio_mlb[14C6] L16 IND_0201 radio_mlb[14C3] L17 IND_0201 radio_mlb[14C3] L18 RES_201 radio_mlb[9B2] L19 IND_01005 radio_mlb[10A4] L20 RES_01005 radio_mlb[11B8] L21 IND_DP201610C-SM radio_mlb[16C4] L22 IND_01005 radio_mlb[12C7] L23 IND_01005 radio_mlb[12C7] L24 IND_0201 radio_mlb[12C3] L25 IND_0201 radio_mlb[9B3] L26 FILTER_4P11_LLP radio_mlb[9C5] L27 IND_0201DS radio_mlb[9C7] L28 IND_0201 radio_mlb[13B2] L29 RES_01005 radio_mlb[11C7] L30 RES_01005 radio_mlb[11C7] L31 IND_0201DS radio_mlb[9C7] L32 IND_0201DS radio_mlb[9B7] L34 IND_0201DS radio_mlb[9B7] L35 IND_01005 radio_mlb[15B7] L36 IND_01005 radio_mlb[15C7] L37 RES_201 radio_mlb[15B3] L38 IND_0201 radio_mlb[15B3] L39 IND_0201 radio_mlb[15B3] L40 IND_01005 radio_mlb[18B5] L41 IND_0201 radio_mlb[17C4] L42 IND_01005 radio_mlb[18B5] L43 IND_01005 radio_mlb[18C5] L44 RES_01005 radio_mlb[11C7] L45 CAP_01005 radio_mlb[11B7] L46 RES_01005 radio_mlb[18B4] L47 RES_01005 radio_mlb[18A4] L48 IND_0201 radio_mlb[20C4] L49 IND_01005 radio_mlb[20B5] L50 IND_P_0201 radio_mlb[20C5] L51 IND_0201 radio_mlb[20C3] L52 CAP_01005 radio_mlb[18A6] L53 IND_01005 radio_mlb[13C5] L54 IND_01005 radio_mlb[13C5] L55 IND_01005 radio_mlb[9B7] L56 IND_01005 radio_mlb[18A7] L57 IND_0201 radio_mlb[13C2] L58 IND_0201 radio_mlb[9D7] L59 IND_01005 radio_mlb[10D4] L60 IND_01005 radio_mlb[10C4] L61 IND_01005 radio_mlb[10C2] L63 IND_01005 radio_mlb[18B4] L64 IND_0201 radio_mlb[9C7] L65 IND_0201 radio_mlb[18A6] L66 IND_01005 radio_mlb[20D7] L67 IND_01005 radio_mlb[20C7] L68 IND_01005 radio_mlb[20C7] L69 IND_01005 radio_mlb[20D4] C241 RES_01005 radio_mlb[11B2] L70 RES_01005 radio_mlb[11B2] L71 RES_01005 radio_mlb[11B2] L72 RES_201 radio_mlb[11A2] L73 RES_01005 radio_mlb[11C2] L74 IND_01005 radio_mlb[9D4] L75 IND_01005 radio_mlb[9C4] L76 IND_0201 radio_mlb[12C3] L77 IND_01005 radio_mlb[18A4] L78 IND_0201 radio_mlb[9B3] L79 IND_0201 radio_mlb[9D7] L80 IND_0201 radio_mlb[9A2] L81 IND_01005 radio_mlb[10C2] L82 IND_01005 radio_mlb[12C6] L83 RES_01005 radio_mlb[9A4] L90 IND_01005 radio_mlb[9D4] L91 IND_01005 radio_mlb[9D4] L92 IND_01005 radio_mlb[9C4] L93 IND_01005 radio_mlb[9C4] L94 IND_0201 radio_mlb[13C2] L95 IND_01005 radio_mlb[9B7] L96 IND_01005 radio_mlb[9A7] L97 IND_0201 radio_mlb[11A2] L98 IND_01005 radio_mlb[10C2] L99 IND_0201 radio_mlb[9A3] L100 IND_0201 radio_mlb[11D4] L900 IND_0201 radio_mlb[9C5] L1732 IND_03015 radio_mlb[20D6] PP1 PROBEPOINT_SM radio_mlb[2D7] PP2 PROBEPOINT_SM radio_mlb[2D7] PP3 PROBEPOINT_SM radio_mlb[2B7] PP4 PROBEPOINT_SM radio_mlb[2B7] PP5 PROBEPOINT_SM radio_mlb[2B7] PP6 PROBEPOINT_SM radio_mlb[2B7] PP7 PROBEPOINT_SM radio_mlb[2A7] PP8 PROBEPOINT_SM radio_mlb[2D6] PP9 PROBEPOINT_SM radio_mlb[2D6] PP10 PROBEPOINT_SM radio_mlb[2D6] PP11 PROBEPOINT_SM radio_mlb[2D7] PP12 PROBEPOINT_SM radio_mlb[2D6] PP13 PROBEPOINT_SM radio_mlb[2C6] PP14 PROBEPOINT_SM radio_mlb[2C7]				PP15 PROBEPOINT_SM radio_mlb[2C7] PP16 PROBEPOINT_SM radio_mlb[2C6] PP18 PROBEPOINT_SM radio_mlb[2C7] PP19 PROBEPOINT_SM radio_mlb[2C7] PP20 PROBEPOINT_SM radio_mlb[2C7] PP21 PROBEPOINT_SM radio_mlb[2C7] PP22 PROBEPOINT_SM radio_mlb[2C7] PP40 PROBEPOINT_SM radio_mlb[2C7] PP41 PROBEPOINT_SM radio_mlb[2C7] PP42 PROBEPOINT_SM radio_mlb[2B7] PP43 PROBEPOINT_SM radio_mlb[2B7] PP44 PROBEPOINT_SM radio_mlb[2B7] PP45 PROBEPOINT_SM radio_mlb[2B7] PP46 PROBEPOINT_SM radio_mlb[2B7] PP47 PROBEPOINT_SM radio_mlb[2B7] R1 RES_01005 radio_mlb[18D6] R2 RES_01005 radio_mlb[18D5] R3 RES_01005 radio_mlb[2A5] R4 RES_01005 radio_mlb[6C4] R6 RES_01005 radio_mlb[5B6] R7 RES_01005 radio_mlb[5A5] R8 RES_01005 radio_mlb[10D2] R9 RES_01005 radio_mlb[5B2] R10 RES_01005 radio_mlb[5D1] R11 IND_0201 radio_mlb[20A5] R13 RES_201 radio_mlb[20B7] R14 RES_01005 radio_mlb[23B7] R15 RES_01005 radio_mlb[23A7] R16 RES_01005 radio_mlb[23C5] R17 RES_01005 radio_mlb[23C3] R18 RES_01005 radio_mlb[23C3] R19 RES_201 radio_mlb[8D3] R20 RES_01005 radio_mlb[4C8] R21 RES_01005 radio_mlb[4C8] R22 RES_01005 radio_mlb[4B5] R23 RES_01005 radio_mlb[4D4] R24 RES_01005 radio_mlb[4D4] R25 RES_01005 radio_mlb[4D3] R26 RES_01005 radio_mlb[4D3] R27 RES_01005 radio_mlb[7C4] R28 RES_01005 radio_mlb[7C2] R29 RES_01005 radio_mlb[7C2] R30 RES_01005 radio_mlb[7C2] R32 RES_01005 radio_mlb[15C5] R33 RES_01005 radio_mlb[16C6] R34 RES_01005 radio_mlb[16C6] R35 RES_01005 radio_mlb[13C3] R36 RES_0201 radio_mlb[12C3] R37 RES_201 radio_mlb[15B3] R38 RES_0201 radio_mlb[12C3] R39 RES_01005 radio_mlb[18C2] R43 RES_01005 radio_mlb[23B7] R44 RES_01005 radio_mlb[23A7] R50 RES_01005 radio_mlb[7C4] R51 RES_01005 radio_mlb[23A6] R52 RES_01005 radio_mlb[23A6] R53 RES_201 radio_mlb[8D8] R60 RES_01005 radio_mlb[17C6] R64 RES_01005 radio_mlb[11D4] R65 RES_01005 radio_mlb[11B4] R72 IND_0201 radio_mlb[19B6] R75 CAP_0201 radio_mlb[19B5] SP1 SMT_PAD_SM-NSP radio_mlb[20D8] SP2 SMT_PAD_SM-NSP radio_mlb[19B7] SP3 SPRING_CLIP_IP_CLIP-SM radio_mlb[19B6] SW1 SWI_SPDT_CXA4403GC_X radio_mlb[17C3] FLGA TP1 TP_TP-P6 radio_mlb[20D4] U1 MODEM_MDM9615M_1_BGA radio_mlb[5D2 5c7 5d4 5B4] U1 MODEM_MDM9615M_1_BGA radio_mlb[6C3 6D7] U2 PM8018_WLNSP105_BGA radio_mlb[3C5] U2 PM8018_WLNSP105_BGA radio_mlb[4B7 4C7 4D3 4B4] U3 WTR1605_SM radio_mlb[7D4 7B7 7D7 7C7] U3 WTR1605_SM radio_mlb[8B3] U4 SWI_CXA4402GC_XFLGA radio_mlb[11D2] U5 SUPPR_TPD4E101_SON4 radio_mlb[2A3] U6 FLASH_MX25U1635E_WLC radio_mlb[6A7] SP U7 RF1112_WLCSP radio_mlb[20D5] U8 MOD_WIFI_BT_IMPERIAL radio_mlb[23C5] _LGA60_LGA U9 FIL_DIPLEXER_885041_ radio_mlb[20C4] LGA U10 SKY77355_LGA radio_mlb[15C4] U11 DCDC_LM3258_BGA radio_mlb[16C5] U12 FIL_DIPLEXER_HILOBAN radio_mlb[20C6] D_SM U13 SWI_SPDT_CXA4011GC_X radio_mlb[20C2] FLGA U14 TSINGTAO_LGA radio_mlb[18C4] U15 AMP_DUPLEXER_BAND720 radio_mlb[13C4] _LGA30_LGA U16 FILTER_SAW_20NB_LGA radio_mlb[9A3] U17 SWI_RF1495_LGA radio_mlb[17B6] U18 FILTER_4P12_LLP radio_mlb[20D3] U20 AMP_SKY65716_LGA radio_mlb[19C4] U22 FIL_BAW_885035_LGA radio_mlb[18B6] U23 AMP_TQM6M224_LGA radio_mlb[12C5] U24 SWI_SPDT_BGS12SL6_TS radio_mlb[10B6] LP6-2 U25 AMP_PENTA_BAND_LGA26 radio_mlb[11C6] _LGA60_LGA U26 FIL_DIPLEXER_B38_B40 radio_mlb[9B3] _9P1_LGA U27 MOD_LMSWFKJM_LGA radio_mlb[11B3] U58 AMP_DUPLEXER_BAND58_ radio_mlb[14D5] LGA30_LGA XW1 SHORT10LP25_WITH_ALT radio_mlb[4B6] S_SHORT-10L-0.25MM-S M XW2 SHORT10LP25_WITH_ALT radio_mlb[4B6] S_SHORT-10L-0.25MM-S M XW3 SHORT10LP25_WITH_ALT radio_mlb[4B6] S_SHORT-10L-0.25MM-S M XW4 SHORT10LP25_WITH_ALT radio_mlb[4B6] S_SHORT-10L-0.25MM-S M XW8 SHORT_SHORT-01005 radio_mlb[23C7] XW9 SHORT_LAYER_9_SHORT- radio_mlb[23D6] LP9-SM XW10 SHORT10LP1_WITH_ALTS radio_mlb[4A4]																			



