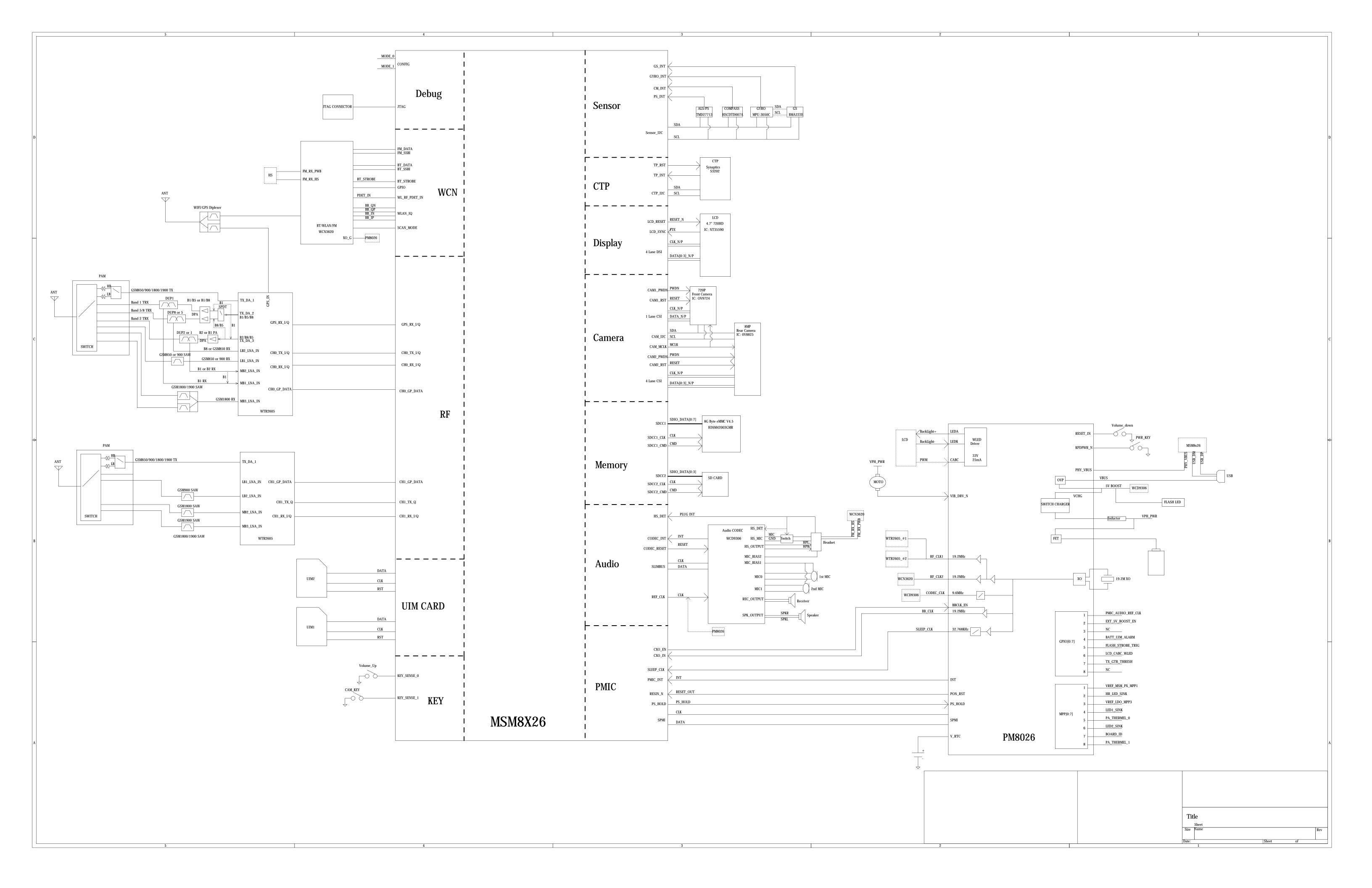
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Sheet #	Content	Sheet #	Contont
			Content
1	Contents Table	21	WTR2605_Power_Secondary path
2	Reversion history Block Diagram	22	WTR2605_Secondary path
<u>1</u>	GPIO Map	23	WIFI/BT
	MSM8x26_Control_1	24	GPS/APT/XO distribution
)		25	Audio
6	MSM8x26_Control_2	26	Sensors
7	MSM8x26_GPIO	27	Memory
8	MSM8x26_Power_1	28	MultiMedia
9	MSM8x26_Power_2	29	Interface
10	MSM8x26_GND	30	Change List
11	PM8226_PWR		
12	PM8226_Control_1		
6	5 4 3	2 1 REVISION RECORD	
12	PM8226_Control_2	LTR ECO NO: APPROVED:	DATE:
14	PRX Matching_Primary path		\Box D
15	WTR2605_Power_Primary path		
16	WTR2605_Primary path		
17	WTR2605_TXM_Primary path		$oldsymbol{C}$
18	UMTS B1&B8_Primary path		
19	UMTS B2_Primary path		
20	WTR2605_GSM_Secondary path		\mathbf{B}
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Revision History

SCHEMATIC MCN	HW VERSION	VERSION	DESCRIPTION OF CHANGE
		A	EVT2.0 Initial release
I Doo Nooo		В	Please refer to Item 1 in "Change List " page
LD20-NC003	EVT2.0	С	Please refer to Item 2 to Item 4 in "Change List " page
		D	Please refer to Item 5 in "Change List " page
		E	Please refer to Item 6 to Item 8 in "Change List " page

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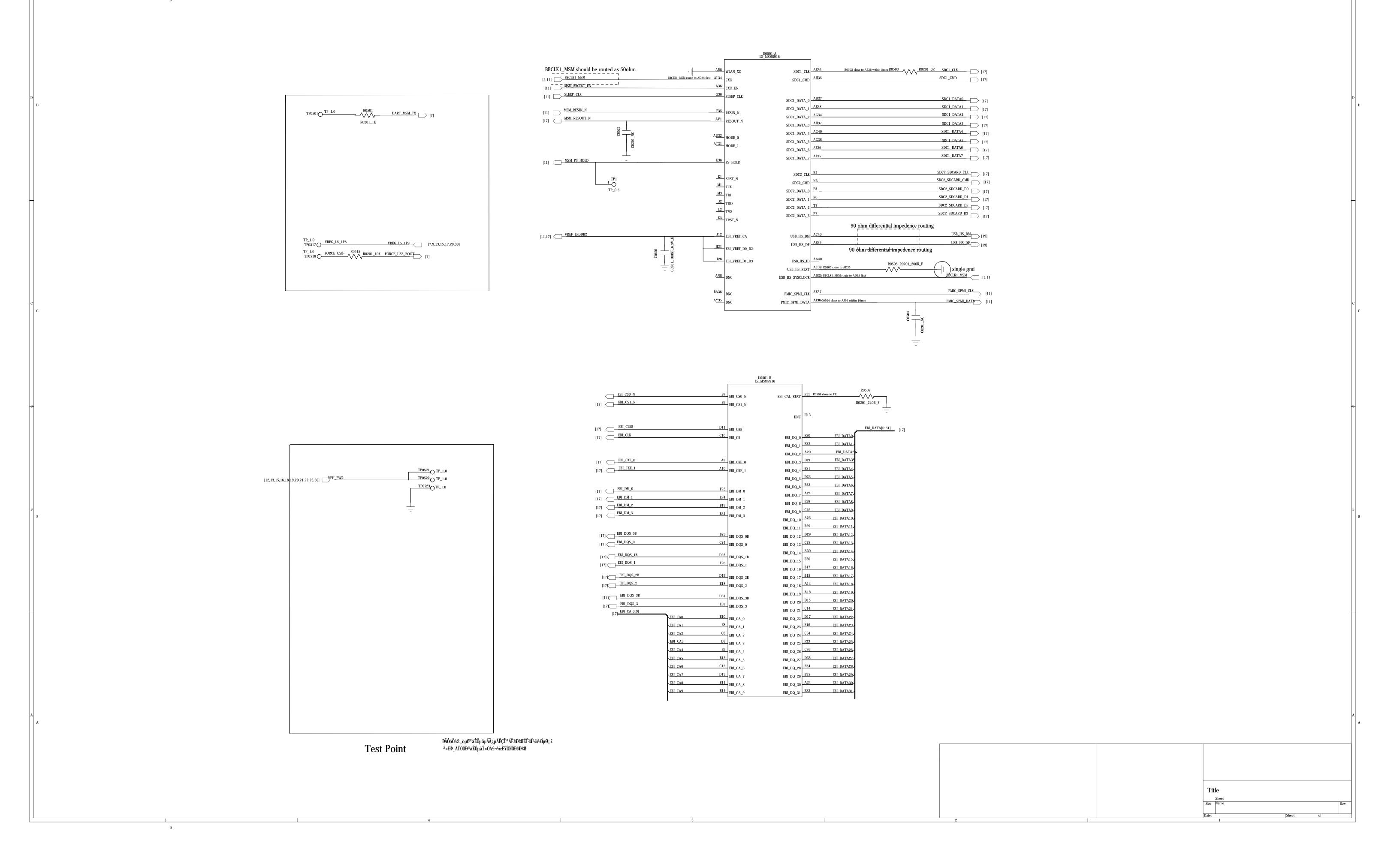
	MSM8x	26 GPIO C	Configuration For QRD8x26		
GPIO_0	NC	GPIO_41	WCSS_WLAN_DATA1	GPIO_82	CHO_PA_RANGE1
GPIO_1	NC	GPIO_42	WCSS_WLAN_DATA0	GPIO_83	CHO_TXM_CTL1_SW1
GPIO_2	NC	GPIO_43	WCSS_WLAN_SET	GPIO_84	CH0_TXM_CTL2_SW0
GPIO_3	NC	GPIO_44	WCSS_WLAN_CLK	GPIO_85	CHO_GSM_PA_ON_HB
GPIO_4	NC	GPIO_45	WCSS_FM_SSBI	GPIO_86	CHO_GSM_PA_ON_LB
GPIO_5	NC	GPIO_46	WCSS_FM_SDI	GPIO_87	TX_GTR_THRESH
GPIO_6	I2C2_SDA_SENS	GPIO_47	WCSS_BT_CTL	GPIO_88	NC
GPIO_7	I2C2_SCL_SENS	GPIO_48	WCSS_BT_DAT_STB	GPIO_89	NC
GPIO_8	UART3_TX	GPIO_49	NC	GPIO_90	NC
GPIO_9	UART3_RX	GPIO_50	NC	GPIO_91	NC
GPIO_10	I2C6_SDA_NFC	GPIO_51	NC	GPIO_92	NC NC
GPIO_11	I2C6_SCL_NFC	GPIO_52	NC	GPIO_93	NC NC
GPIO_12	NC	GPIO_53	UIM2_DATA	GPIO_94	NC
GPIO_13	MSM_HS_DET	GPIO_54	UIM2_CLK	GPIO_95	CHO_GSM_TX_PHASE_D0
GPIO_14	NC	GPIO_55	UIM2_RST	GPIO_96	CHO_GSM_TX_PHASE_D1
GPIO_15	CAM_1V8_EN	GPIO_56	NC	GPIO_97	NC
GPIO_16	CTP_RST_N	GPIO_57	UIM1_DATA	GPIO_98	NC
GPIO_17	CTP_INT	GPIO_58	UIM1_CLK	GPIO_99	NC NC
GPIO_18	I2C5_SDA_CTP	GPIO_59	UIM1_RST	GPIO_100	NC NC
GPIO_19	I2C5_SCL_CTP	GPIO_60	LCD_ID	GPIO_101	CHO_SSBI_PRX
GPIO_20	NFC_DISABLE_N	GPIO_61	BATT_UIM_ALARM	GPIO_102	CH0_SSBI_TX_GPS
GPIO_21	NFC_INT_N	GPIO_62	NC	GPIO_103	NC
GPIO_22	SPI_CS_EHT	GPIO_63	ACCL_INT1_N	GPIO_104	NC
GPIO_23	NC	GPIO_64	NC	GPIO_105	GPS_ELNA_EN
GPIO_24	DSI_LCD_TE	GPIO_65	ALSP_INT_N	GPIO_106	VOLUME+
GPIO_25	DSI_LCD_RST	GPIO_66	MAG_INT_N	GPIO_107	VOLUME-
GPIO_26	CAM_MCLKO	GPIO_67	MSM_CODEC_REF_CLK	GPIO_108	NC
GPIO_27	NC	GPIO_68	CEDEC_INT1_N	GPIO_109	NC
GPIO_28	CAM2_RST_N	GPIO_69	NC	GPIO_110	NC
GPIO_29	I2CO_SDA_CAM	GPIO_70	CODEC_SLIMBUS_CLK	GPIO_111	NC
 GPIO_30	I2CO_SCL_CAM	GPIO_71	CODEC_SLIMBUS_DATA	GPIO_112	NC
 GPIO_31	NC	GPIO_72	CODEC_RST_N	GPIO_113	FORCE_USB_BOOT
GPIO_32	FLASH_STROBE_TRIG	GPIO_73	FORT_CAM_ID	GPIO_114	NC
GPIO_33	NC	GPIO_74	BACK_CAM_ID	GPIO_115	NC NC
GPIO_34	NC	GPIO_75	CHO_PA_ON4_B1	GPIO_116	
GPIO_35	CAM2_STANDBY	GPIO_76	NC	GPIO_117	NC NC
GPIO_36	CAM1_STANDBY	GPIO_77	WTRO_GSM_TDS_SEL	GPIO_118	NC NC
GPIO_37	CAM1_RST_N	GPIO_78	CHO_PA_ON1_B8	GPIO_119	NC NC
GPIO_37 GPIO_38	NC	GPIO_78	CHO_TXM_CTLO_SPDT	GPIO_120	NC NC
GPIO_39	WCSS_BT_SSBI	GPIO_80	CHO_WTR_RF_ON	GI 10_120	
GPIO_40	WCSS_WLAN_DATA2	GPIO_81	CHO_PA_RANGEO (BOOT_CONFIG_0)		

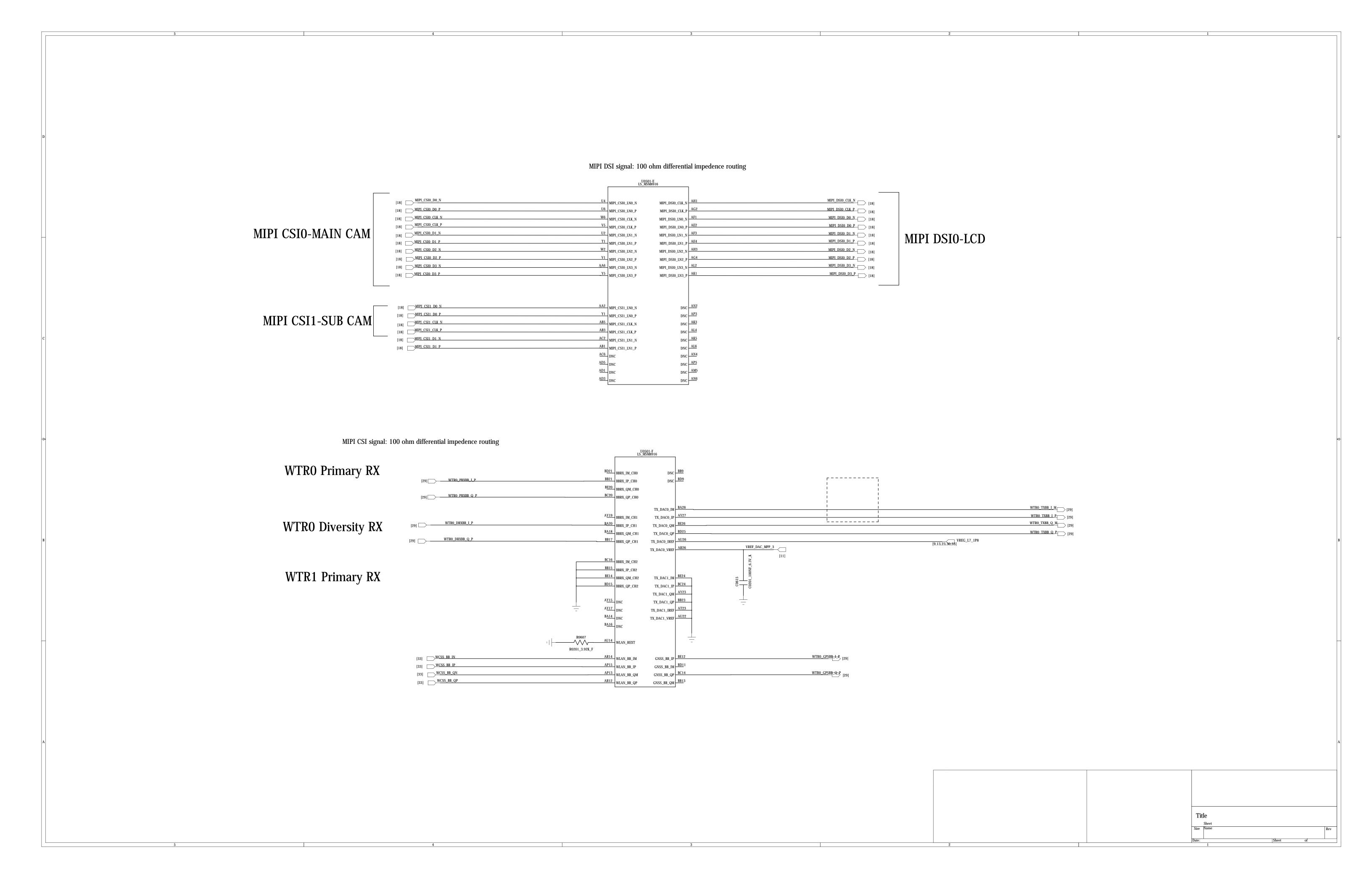
PM80	PM8026 GPIO/MPP Configuration For QRD8x26					
GPIO_1	AUDIO_REF_CLK (DIVCLK1)	MPP_1	VREF_PX			
GPIO_2	EXT_5VBOOST_EN	MPP_2	HR_LED_SNK			
GPIO_3	BBCLK2_EN	MPP_3	VREF_LDO			
GPIO_4	BATT_UICC_ALARM	MPP_4	LED1_SINK			
GPIO_5	FLASHNOW	MPP_5	PA2_THERM			
GPIO_6	CABC_WLED	MPP_6	LED2_SINK			
GPIO_7	TX_GTR_THRESH	MPP_7	HWID			
GPIO_8	SYS_BOOST_FORCE_BYP	MPP_8	PA1_THERM			

I2C Address List For QRD8x26						
I2C GPIO	Device	MPN	Write Address	Read Address		
	Accelerometer	BMA222E	0x31	0x30		
CDIO[0,7]	Magnetometer	HSCDTD007A	0x19	0x18		
GPIO[6:7]	Gyroscope	MPU-3050C	0xD1	0xD0		
	ALS/Proximity	TMD27713T	0x73	0x72		
GPIO[18:19]	Touch Screen	S3202	0x41	0x40		
CDIO[00.00]	Front Camera	OV9724	0x41	0x40		
GPIO[29:30]	Rear Camera	OV8825	0x6D	0x6C		

	Interru	pt List For QRD8x26	
GPIO	Name	Description	State
GPIO_11	MSM_HS_DET	Headset Plug In Detection	Active Low
GPIO_17	CTP_INT	Interrupt From CTP Sensor	Defualt Low /Open Drain
GPIO_38	SD_CARD_DET_N	SD Card Insert Detection	Insert Low/Remove High
GPIO_49	ACCL_INT2_N	Interrupt2 From Accelerometer	Default High/Push-Pull
GPIO_63	ACCL_INT1_N	Interrupt1 From Accelerometer	Default High/Push-Pull
GPIO_64	GYRO_INT_N	Interrupt From Gyroscope	Default High/Push-Pull
GPIO_65	ALSP_INT_N	Interrupt From ALS/Proximity	Active Low /Open Drain
GPIO_66	MAG_INT_N	Interrupt From Magnetometer	Active High /Push-pull
GPIO_68	CODEC_INT1_N	Interrupt From CODEC	PA1_THERM
GPIO_115	ETH_INT_N	Interrupt From Ethernet Driver	Active Low /Push-pull

Title





U0501-C LS_MSM8916 FORCE_USB_BOOT [5] BB39 GPIO_1WAKEUPWAKEUEPIO_38 B37 WCSS_BT_SSBI [33] AV35 GPIO_2 [7,8,9,11,13,15,16,18,19,28] <u>VREG_L6_1P8</u> WCSS_WLAN_DATA2 [33] AY37 GPIO_3 [5] <u>UART_MSM_TX</u> WCSS_WLAN_DATA1 [33] WCSS_WLAN_DATA0 [33] [16,19] SENSOR_I2C_SDA WCSS_WLAN_SET [33] [16,19] SENSOR I2C SCL WCSS_WLAN_CLK [33] [18] FLASH_STROBE_TRIG WCSS FM SSBI [33] WCSS_FM_SDI [33] GPIO_9WAKEUP WCSS_BT_CTL [33] [7,8,9,11,13,15,16,18,19,28] VREG_L6_1P8 R0720 R0201_2.2K WCSS_BT_DAT_STB [33] E2 GPIO_1 WAKEUP GPIO_48 AW8 AM39 GPIO_12WAKEUPWAKEUPPIO_49 Y37 [16] <u>TP_INT_N</u> GPIO_13WAKEURWAKEU@PIO_50 AA34 BACK_CAM_ID [18] FORT CAM ID [18] WAKEUIGPIO_52 AA38 UIM2_DATA [19] [7,8,9,11,13,15,16,18,19,28] VREG L6 1P8 [18] DSI_LCD_TE _____UIM2_CLK ______ [19] WAKEUIGPIO_54 K39 [16] TS_I2C_SDA <u>UIM2_RST</u> [19] [5,7,9,13,15,17,20,33] <u>VREG_L5_1P8</u> UIM1 DATA [19] GPIO_20WAKEUP GPIO_57 [20] NFC_WAKE_UP <u>UIM1_CLK</u> [19] **--**\\\\-UIM1_RST [19] GPIO_60 Y39 [18] _____DSI_LCD_RST [7,8,9,11,13,15,16,18,19,28] VREG_L6_1P8 CDC_PDM_CLK [15] CAM1_MCLK CDC_PDM_SYNC [15] [18] CAM1_RST_N CDC_PDM_TX [15] [18] CAM_I2C_SDA CDC_PDM_RX0 [15] [18] CAM_I2C_SCL CDC_PDM_RX1 [15] CDC_PDM_RX2 [15] D1 GPIO_32 WAKEU&PIO_69 L36 RFFE1_CLK [23,30] RFFE1_DATA [23,30] GPIO_34WAKEUP GPIO_71 AR38 A4 GPIO_35WAKEUP GPIO_72 AT39 C4 GPIO_36WAKEUP GPIO_73 AU40

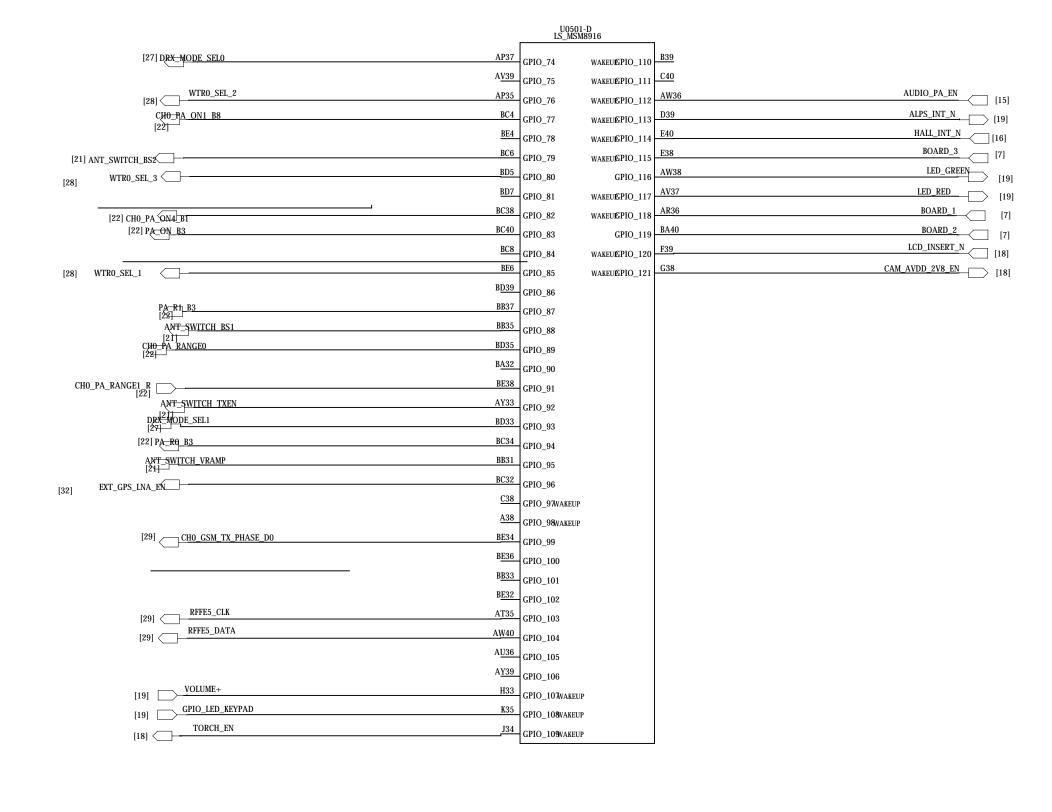
same to ql1008 but IR_Sensor and nfc NFC same to QRD GPIO **Configuration GPIO Table** WDOG_DISABLE GPIO_80 BOOT_CONFIG_0 GPIO_81 BOOT_SEL_1 BOOT_CONFIG_1 BOOT_SEL_2 GPIO_82 BOOT_CONFIG_2 BOOT_SEL_3 GPIO_83 BOOT_CONFIG_3 GPIO_84 BOOT_CONFIG_4 GPIO_86 BOOT_CONFIG_5

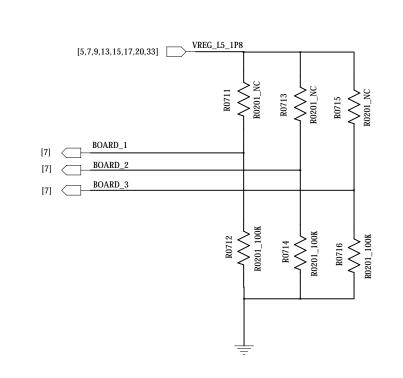
BOOT_CONFIG_6

BOOT_CONFIG_7

BOOT_CONFIG_8

BOOT_SEL	BOOT MODE
0b000 (Default)	eMMC->SDC2->USB
0b001	SDC2->eMMC->USB
0b010	eMMC->USB
0b011	USB-HS only



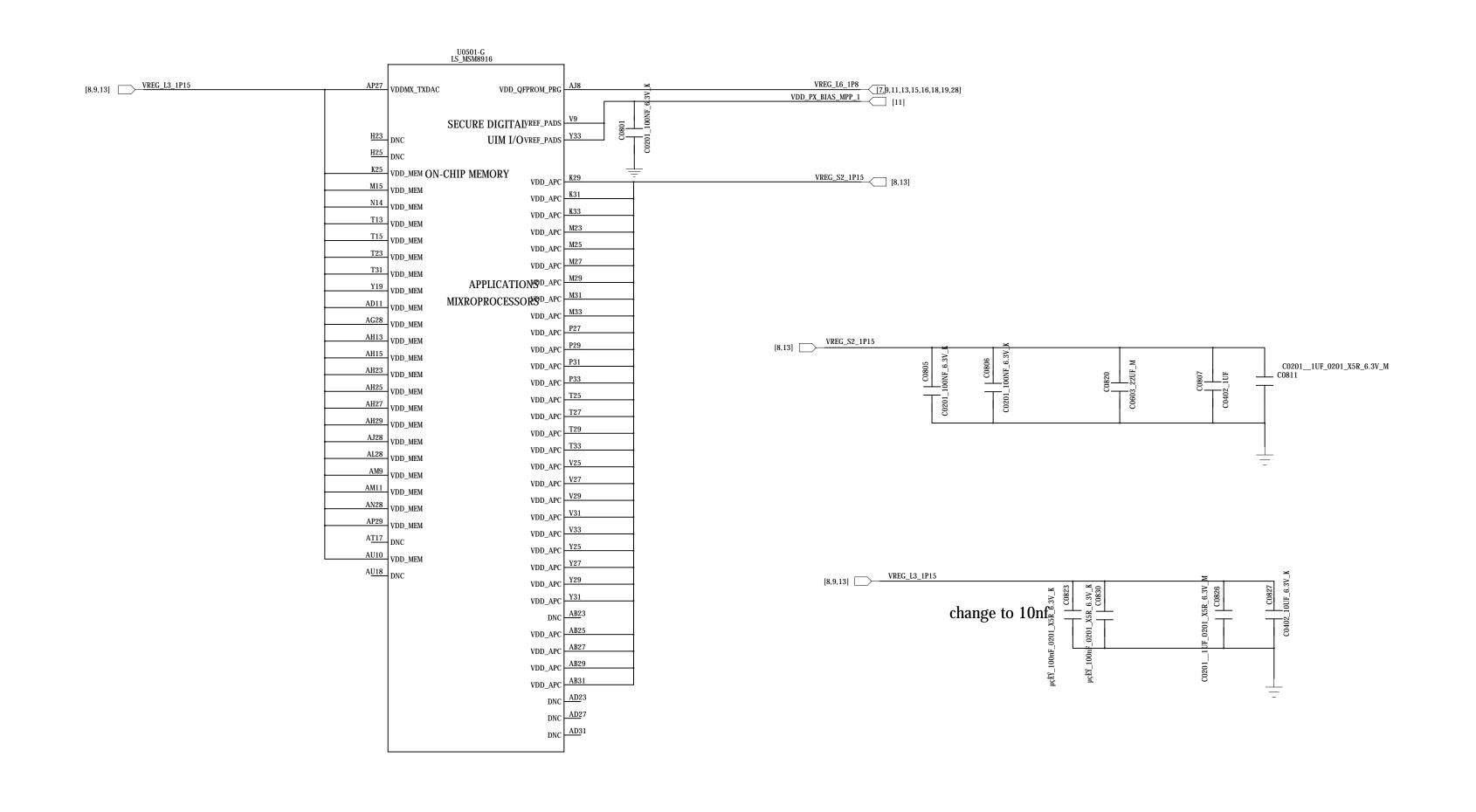


GPIO_87

GPIO_88

GPIO_90

GPIO_37 FORCE_USB_BOOT

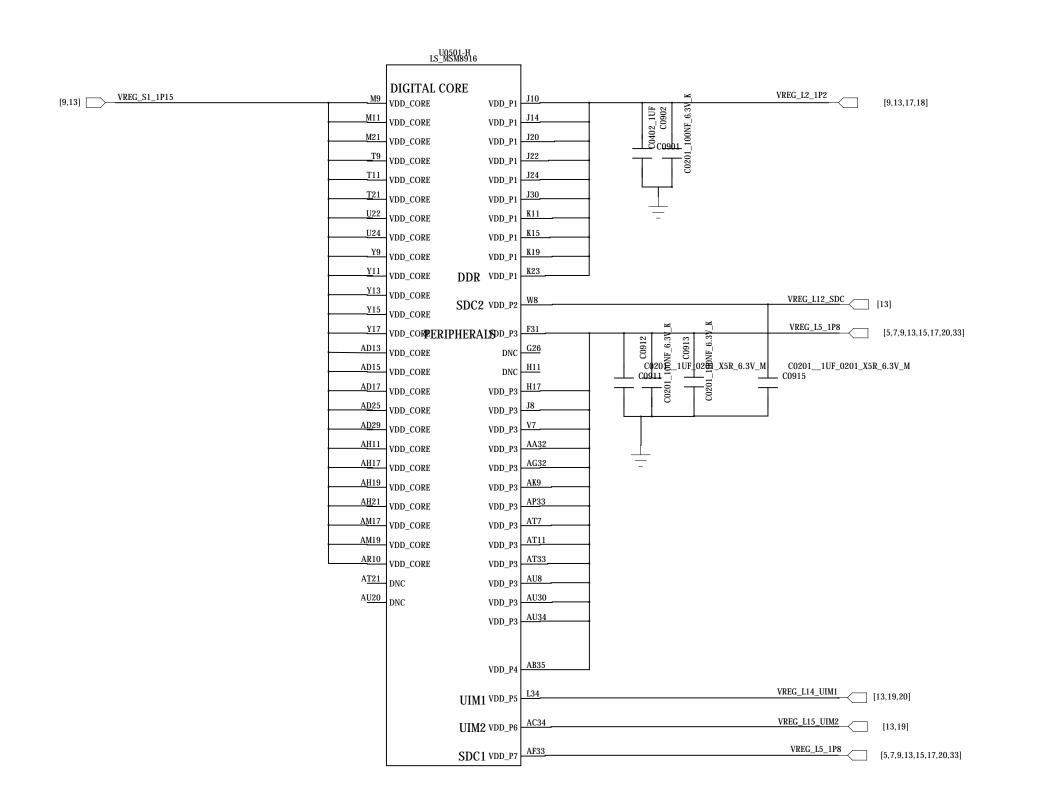


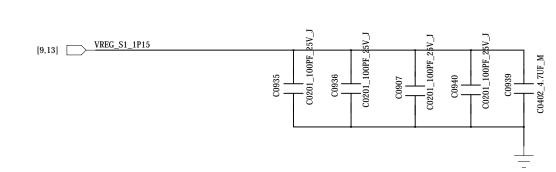
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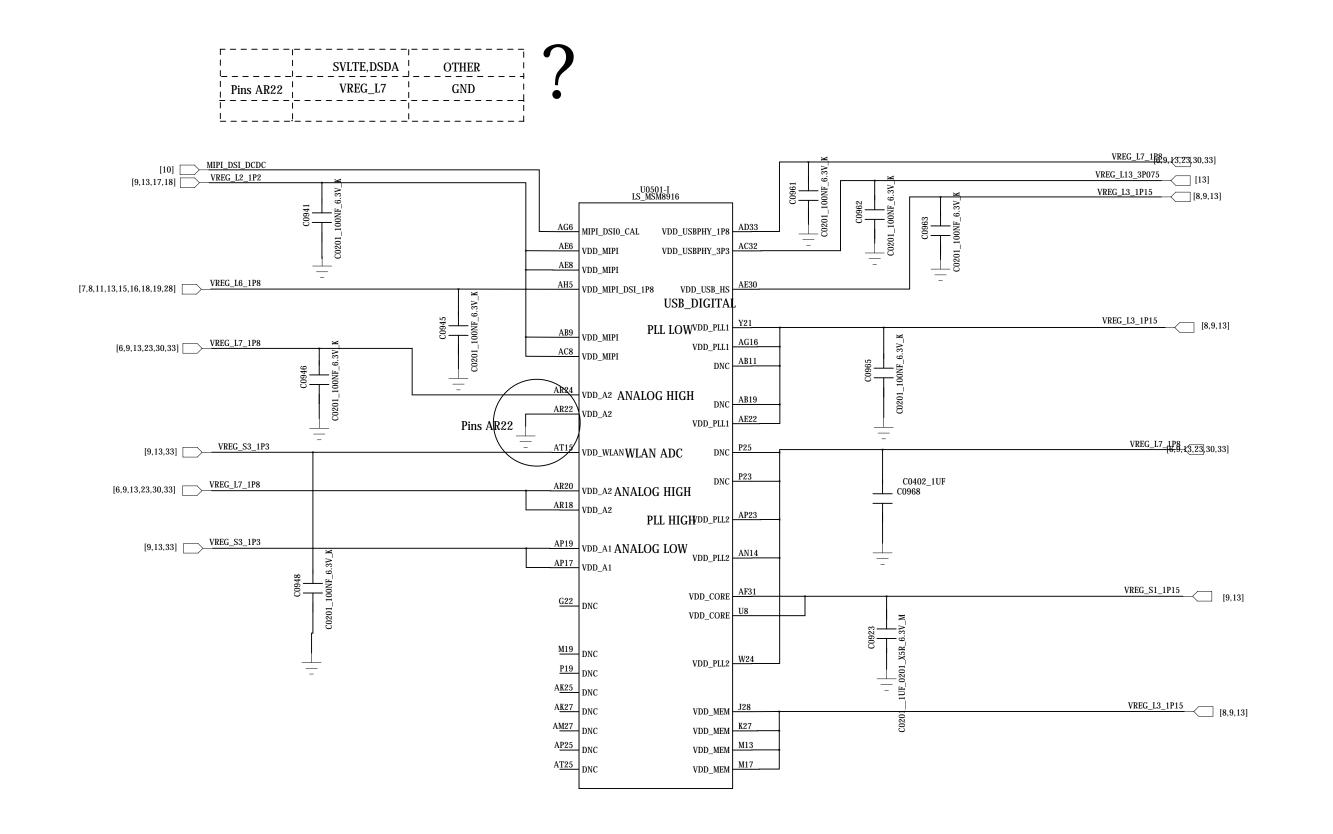


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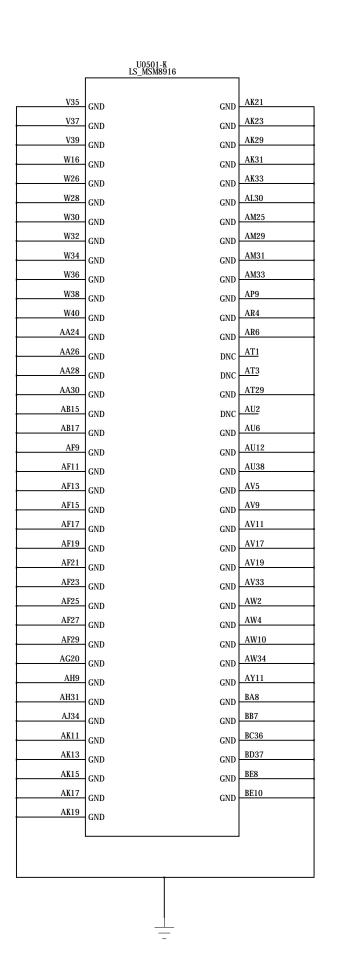




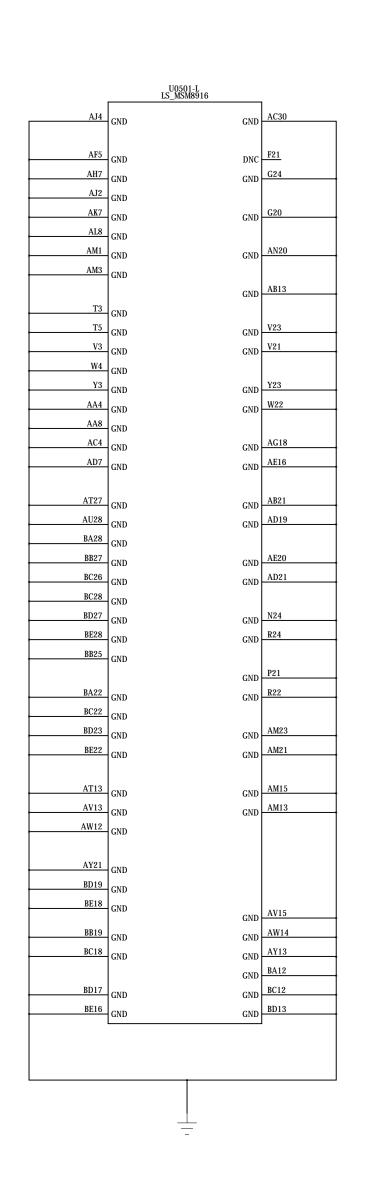
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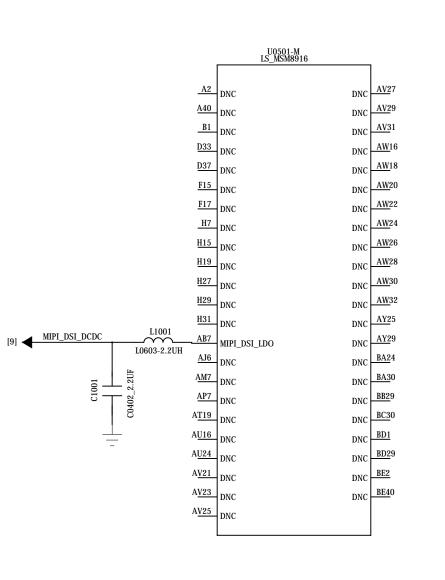


Check pass



	LS_MS	01-J SM8916	
A6	GND	GND	M37
A12	GND	GND	M39
A16	GND	GND	N2
A22	GND	GND	N4
A28	GND	GND	N8
A32	GND	GND	N22
B5	GND	GND	N26
C8	GND	GND	N28
C18	GND	GND	N30
C20	GND	GND	N32
C32	GND	GND	N34
D5	GND	GND	N36
D7	GND	GND	N38
D27	GND	GND	N40
E12	GND	GND	P5
F7	GND	GND	P9
F19	GND	GND	P11
F25	GND	GND	P13
F27	GND	GND	P15
F29	GND	GND	P17
F37	GND	GND	P35
G8	GND	GND	P37
G10	GND	GND	P39
G12	GND	GND	R8
G14	GND	GND	R26
G16	GND	GND	R28
G18	GND	GND	R30
G28	GND	GND	R32
G30	GND	GND	R34
G32	GND	GND	R36
H35	GND	GND	R38
Н37	GND	GND	R40
J16	GND	GND	T17
J18		GND	T19
J32	GND		T35
J36	GND	GND	T37
J38	GND	GND	T39
K5	GND	GND	U26
К9	GND	GND	U28
K17	GND	GND	U30
K21	GND	GND	U32
K37	GND	GND	U34
L4	GND	GND	U36
L4	GND	GND	U38
L8	GND	GND	-
	GND	GND	V11
L30	GND	GND	V11
L32	GND	GND	V15
M5	GND	GND	V15
M7	GND	GND	V17
M35	GND	GND	V19



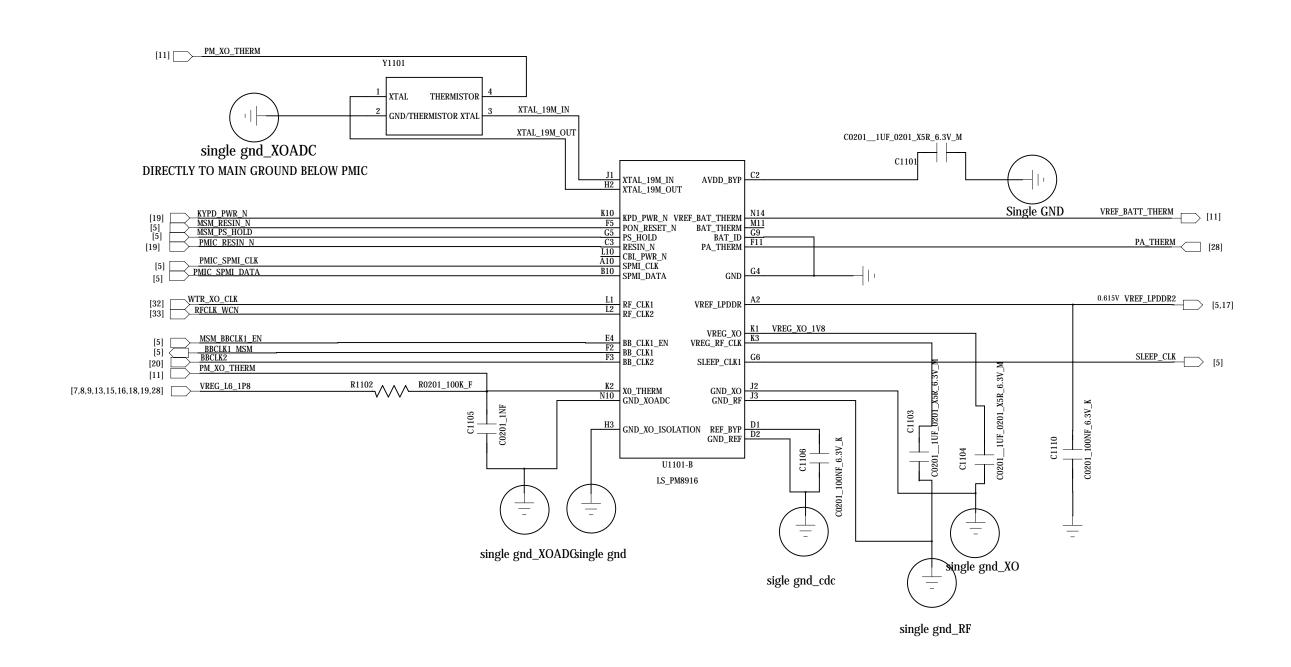


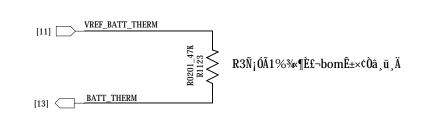
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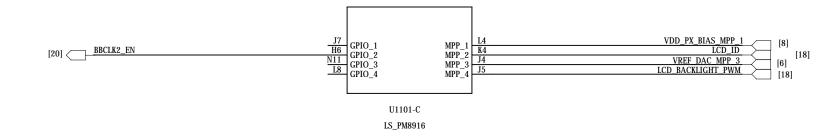
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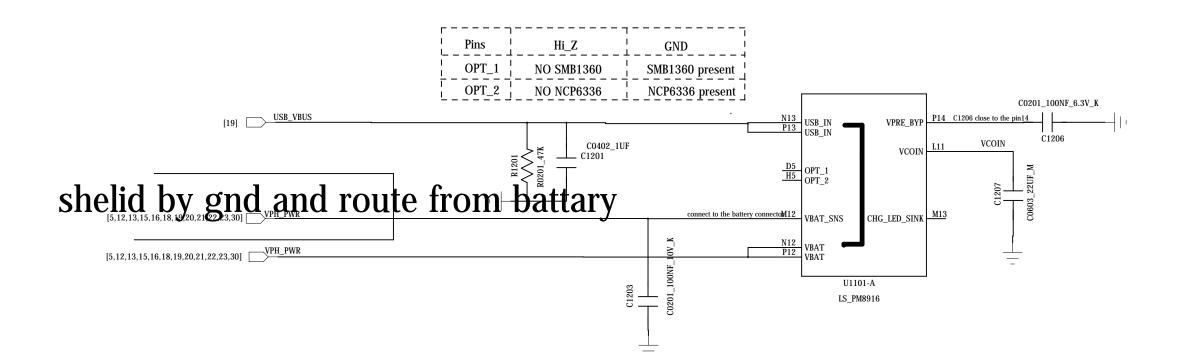


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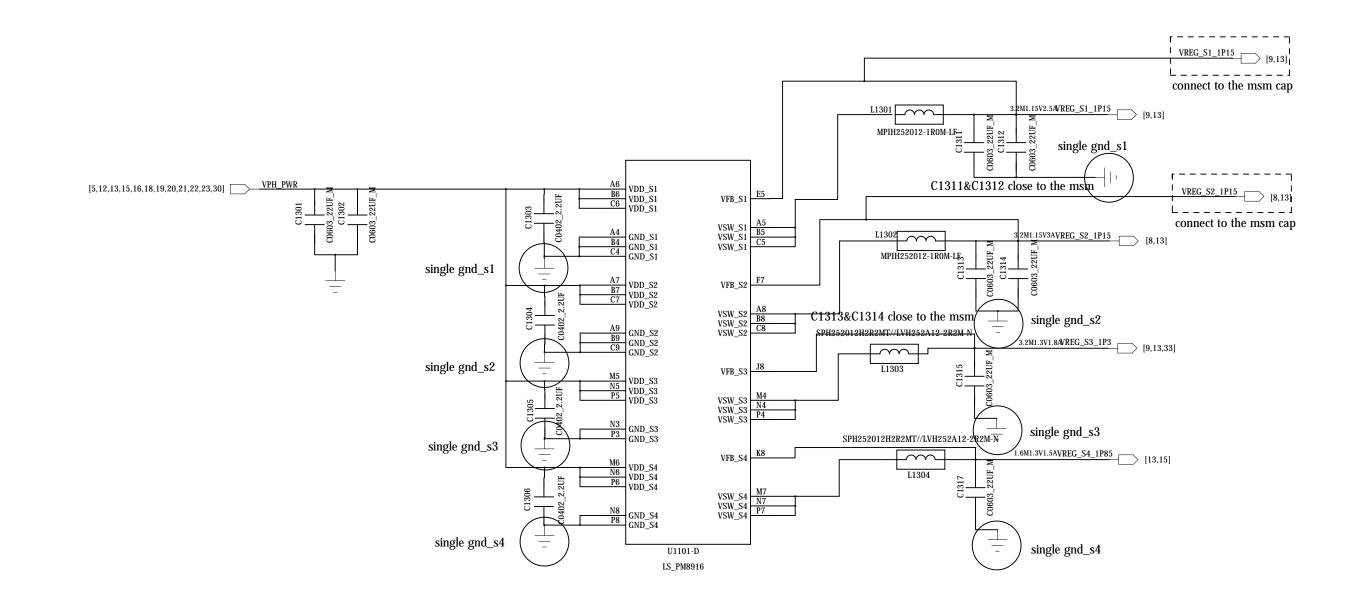
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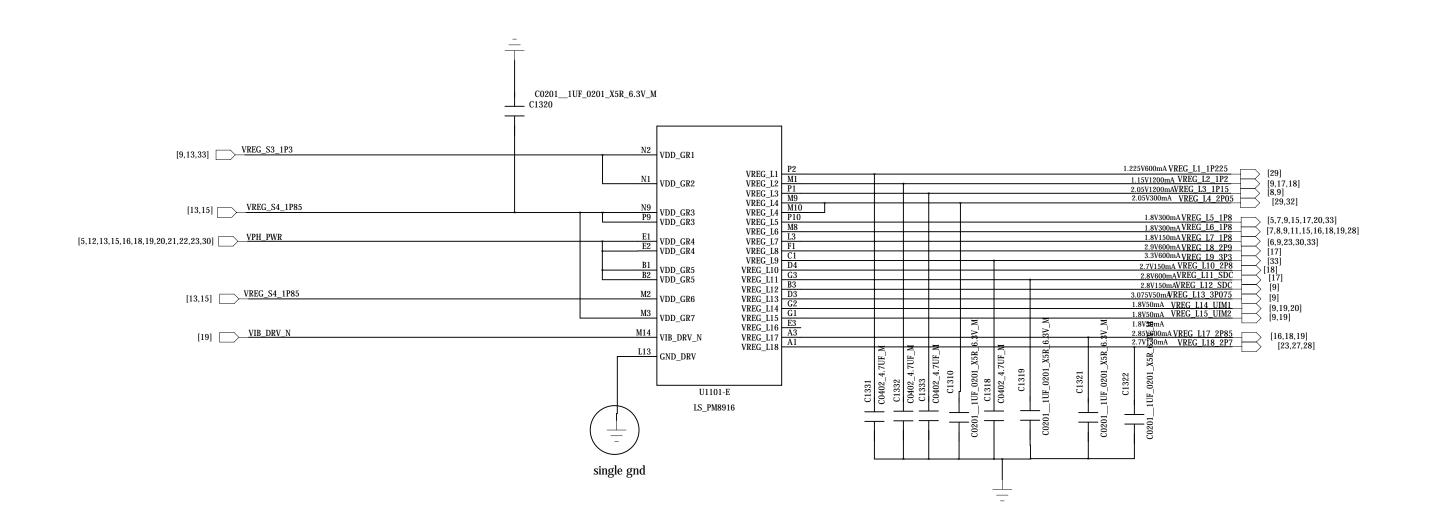
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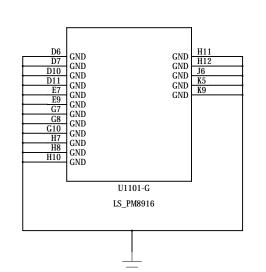
BATT_THERM [11]

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VPH PWR [5,12,13,15,16,18,19,20,21,22,23,30]







8916Ñ¡°¸R1322¡¢R1316¡¢R1318¡¢R1324 8x36/8x39Ñ;°¸R1325;¢R1317;¢R1319;¢R1312

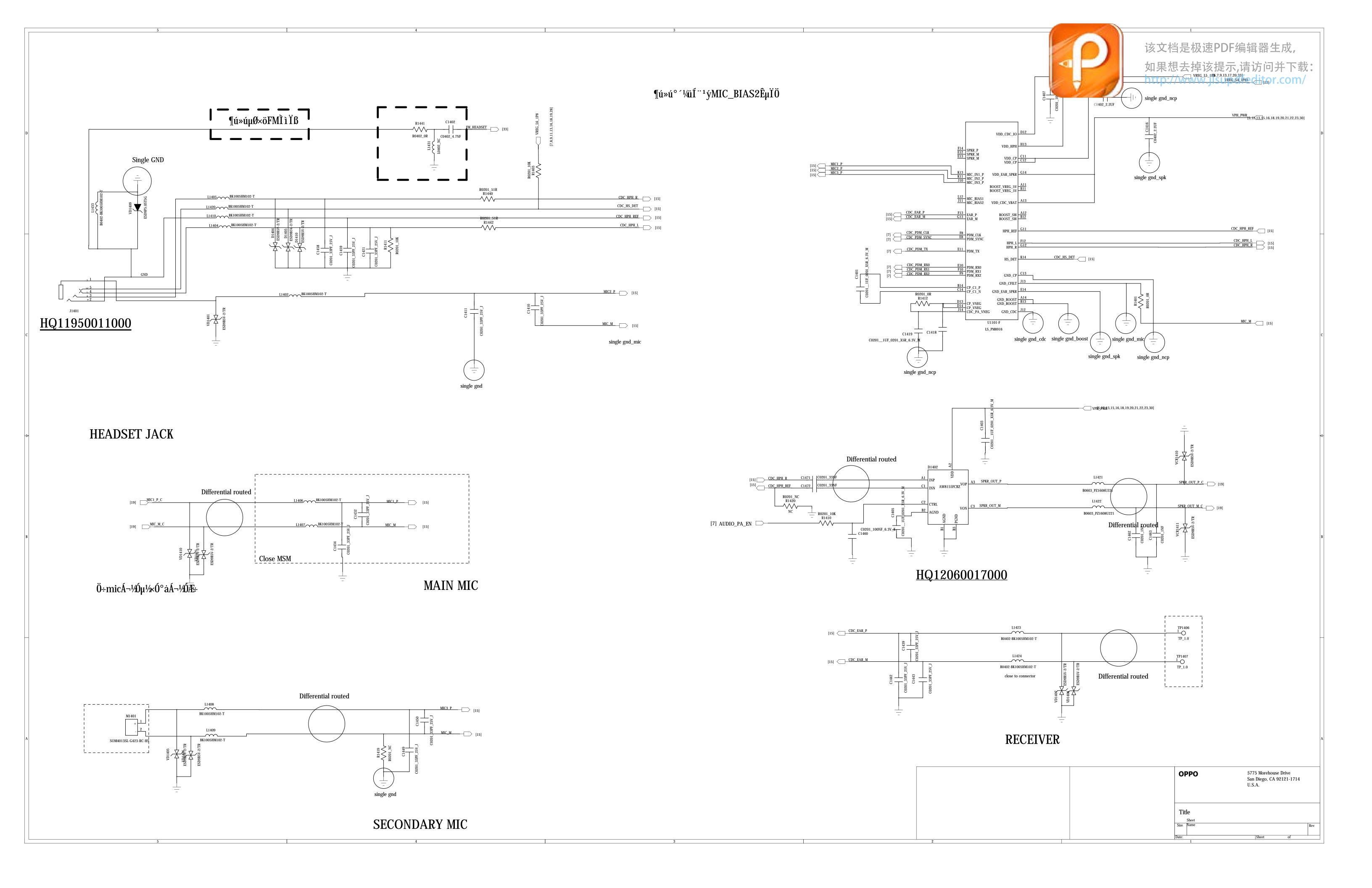
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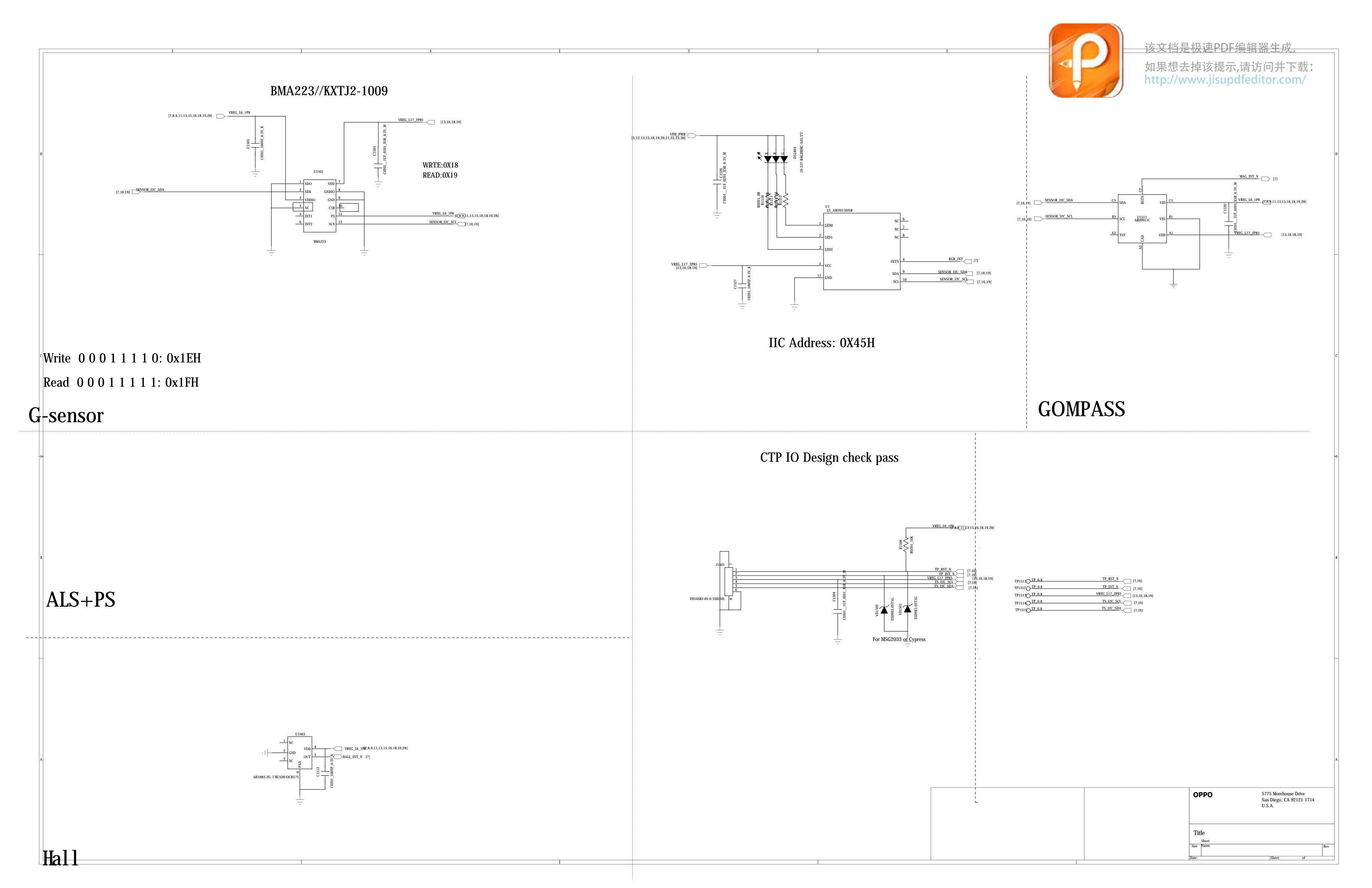


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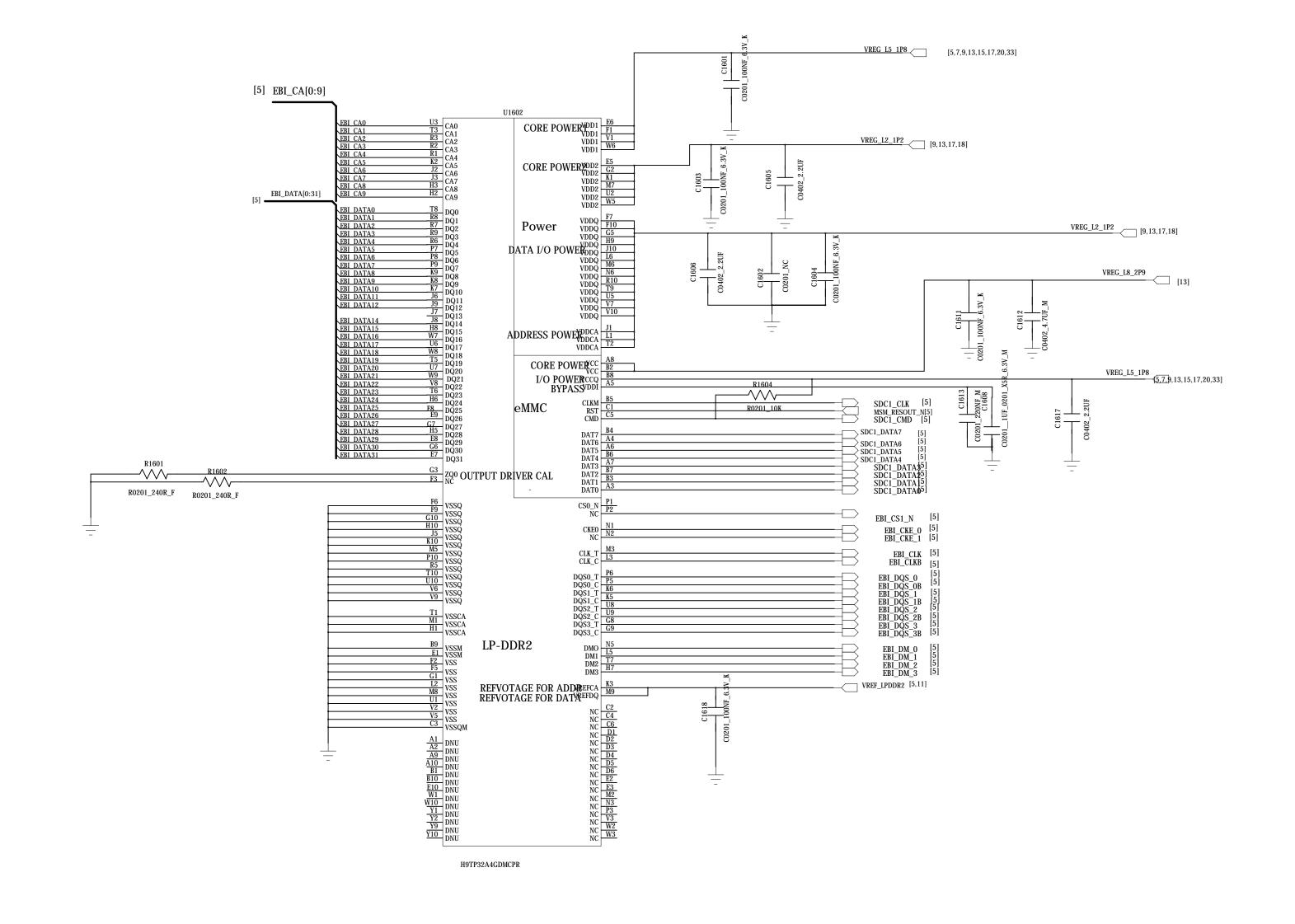




EMCP DDR2

CHECK PASS

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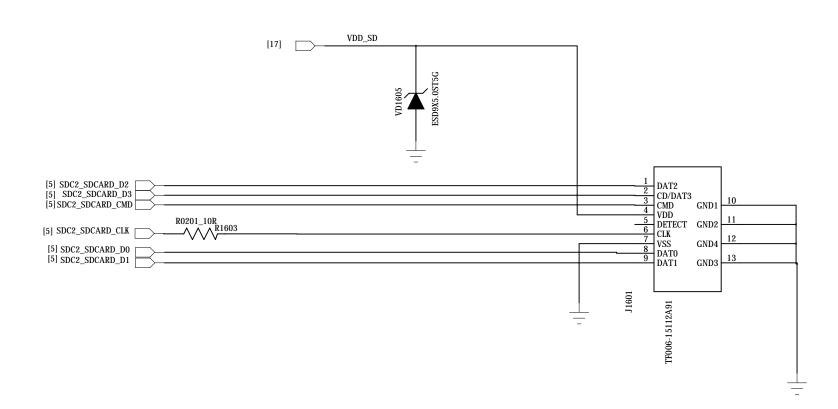




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SD Card Support SD3.0

SD check pass

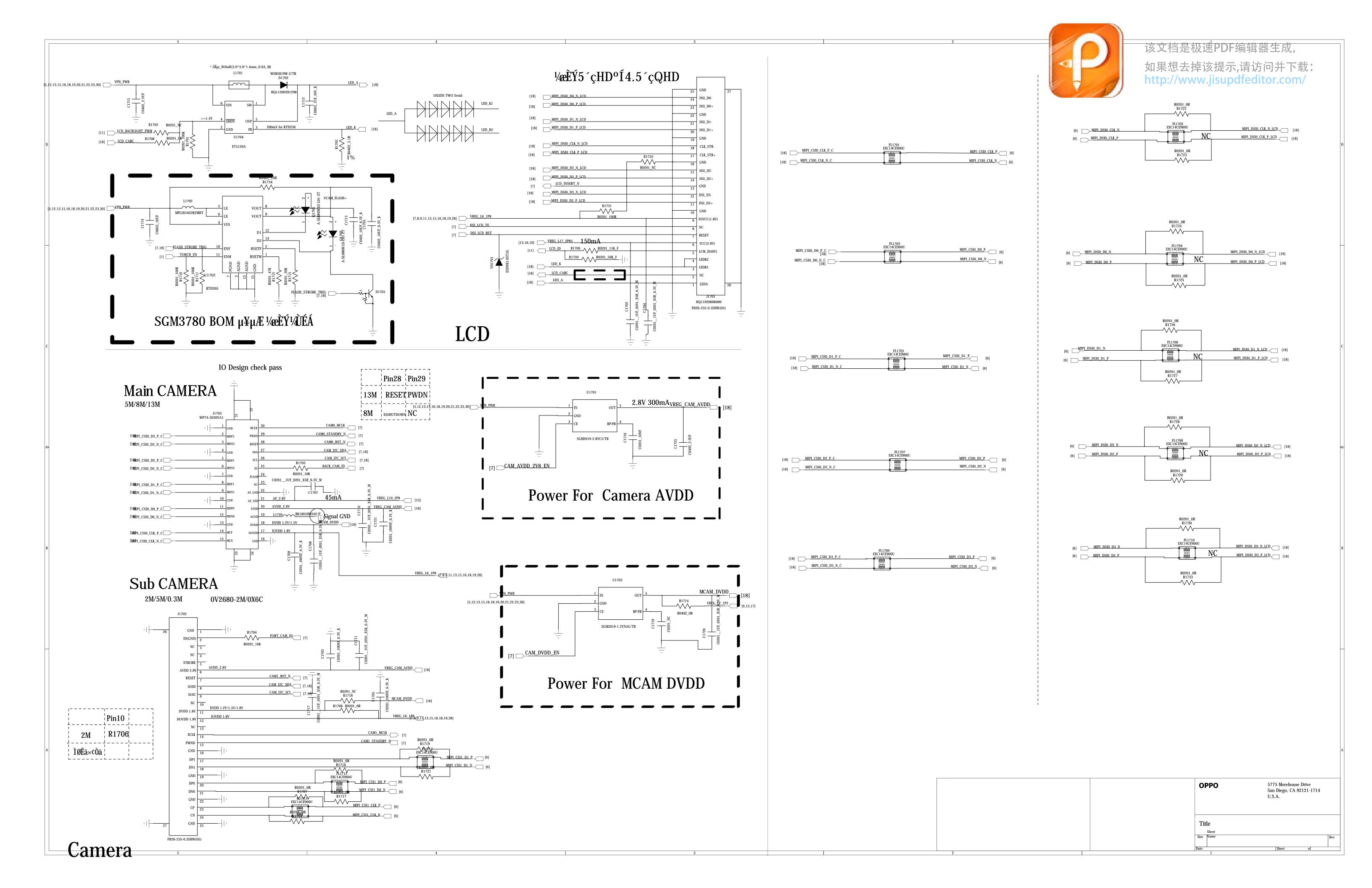


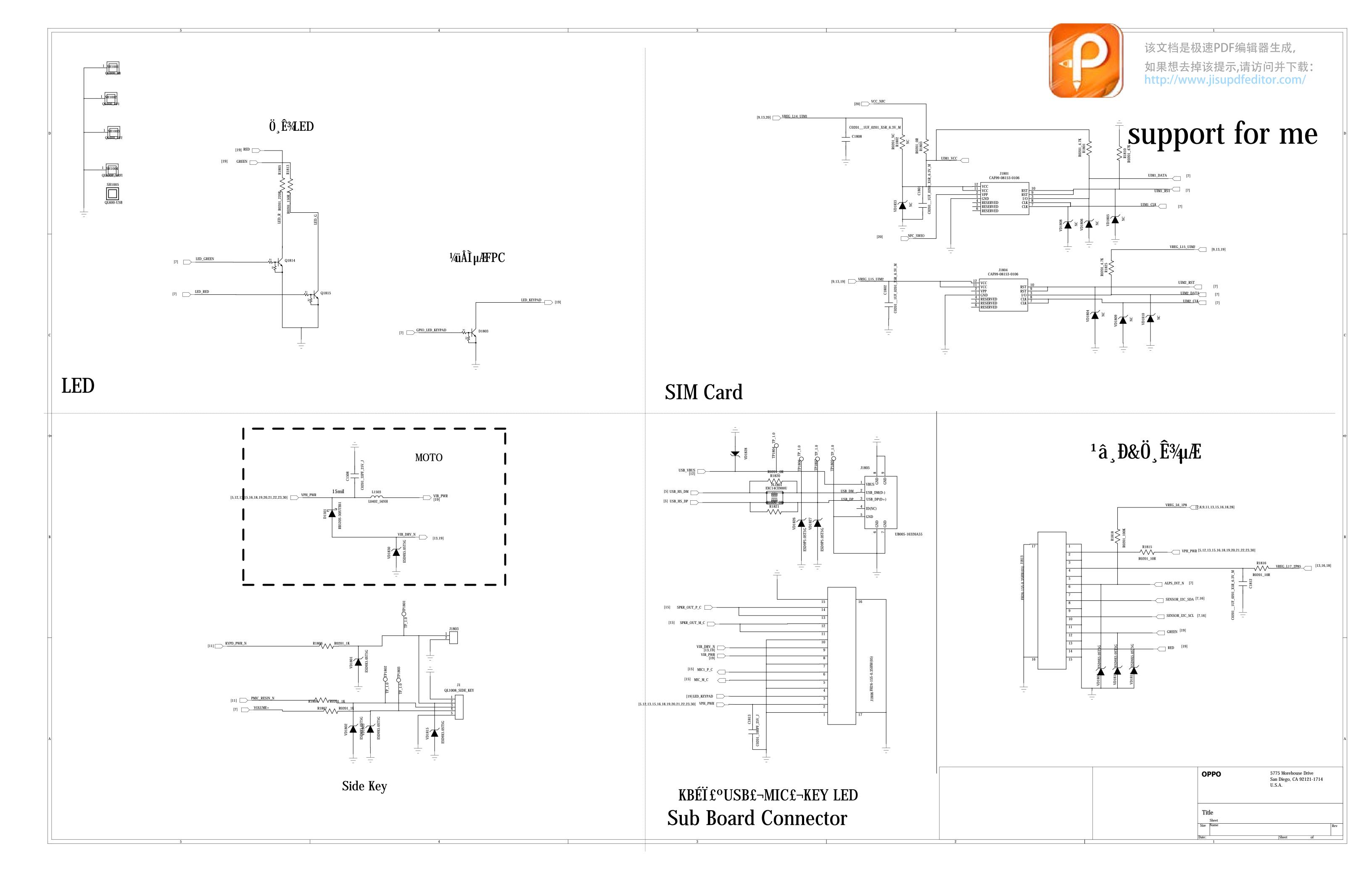
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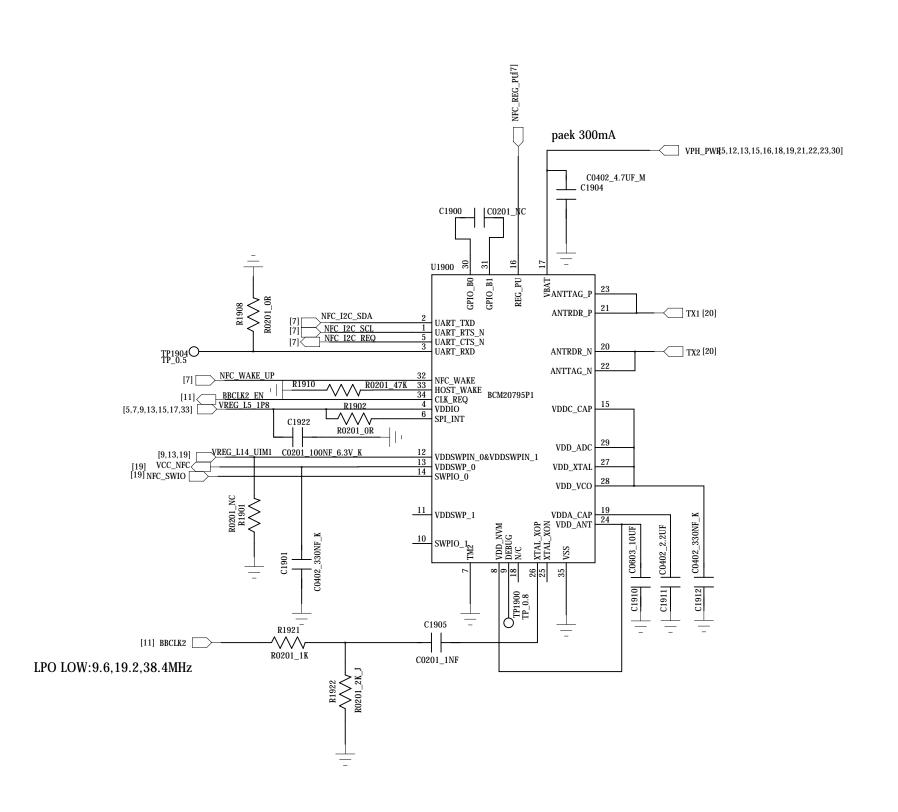
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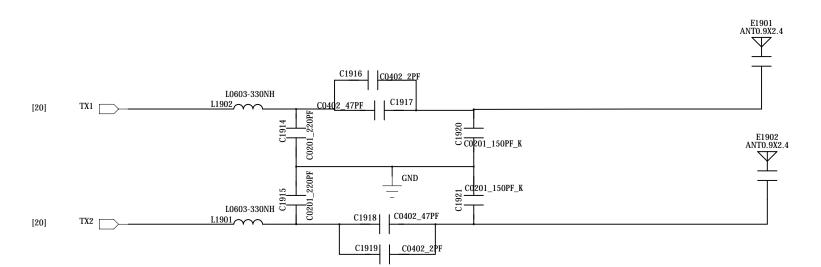
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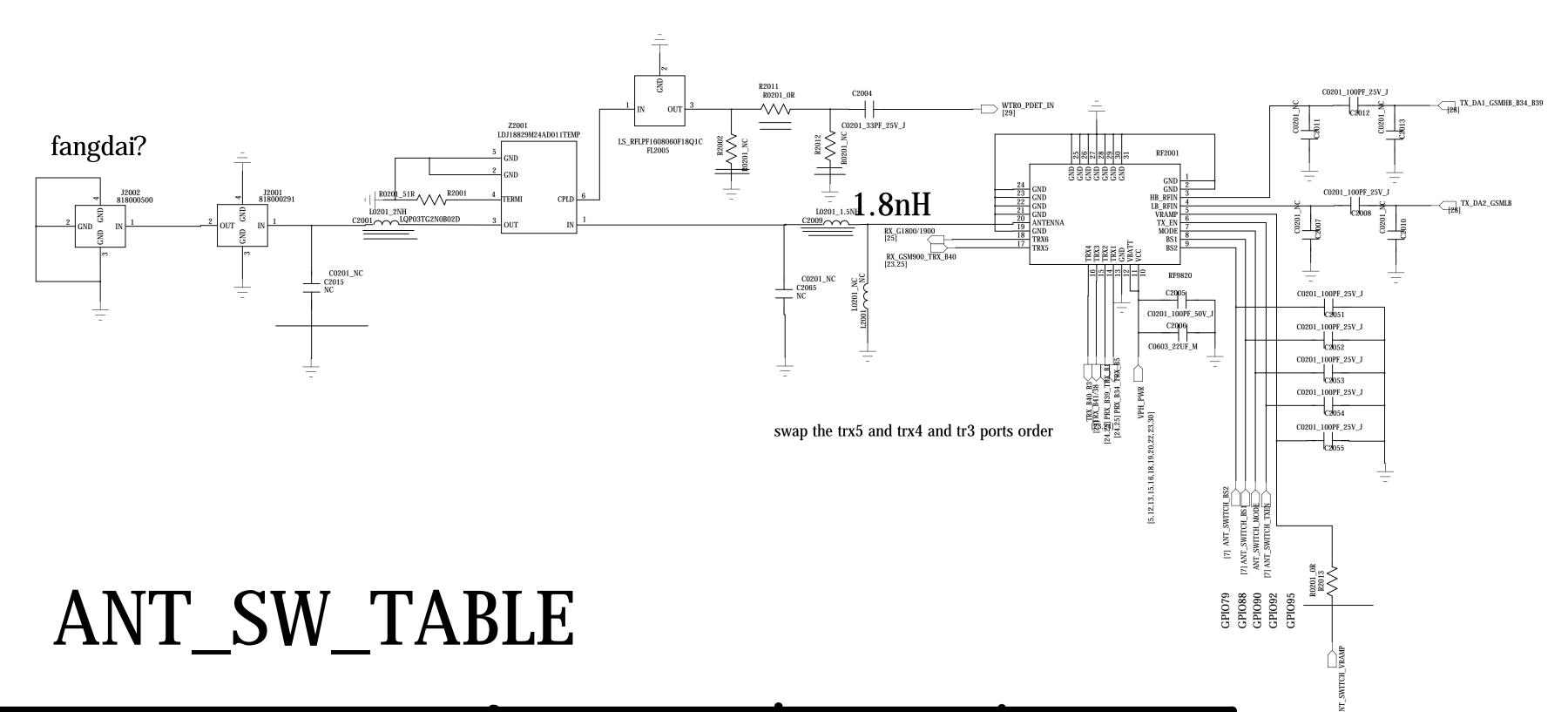


BB





PRIMARY_ANTSW_GSM TD TDD PA



I	PORT	TRX6	TRX5	TRX4	TRX3	TRX2	TRX1
C	CMCC	RX_G1800/1900	TRX_B40	TRX_B38	RX_GSM900	PRX_B39	PRX_B34
	CT	RX_G1900	TRX_B3	TRX_B41	RX_GSM900	TRX_B1	TRX_B5
	CU	RX_G1900	TRX_B3	TRX_B41	TRX_B40	TRX_B1	TRX_B8

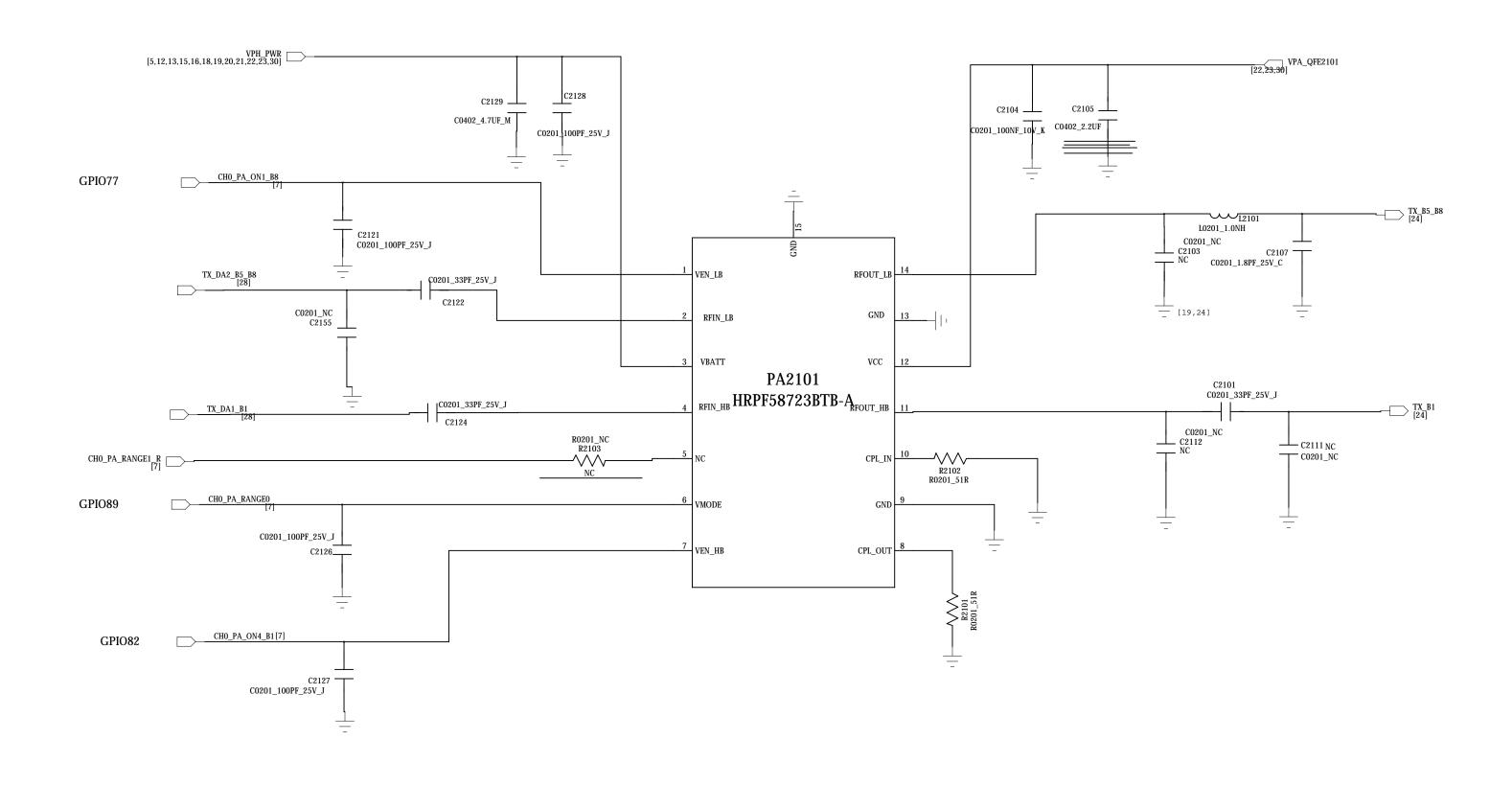
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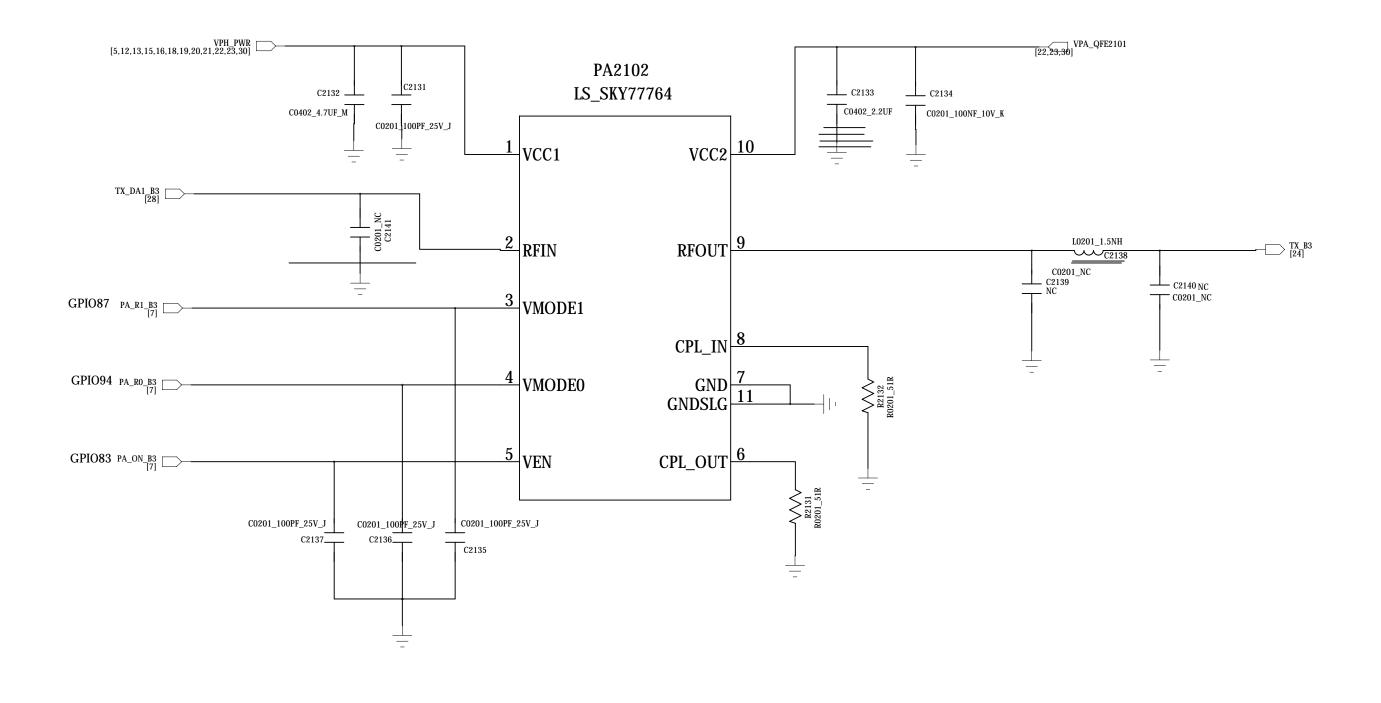
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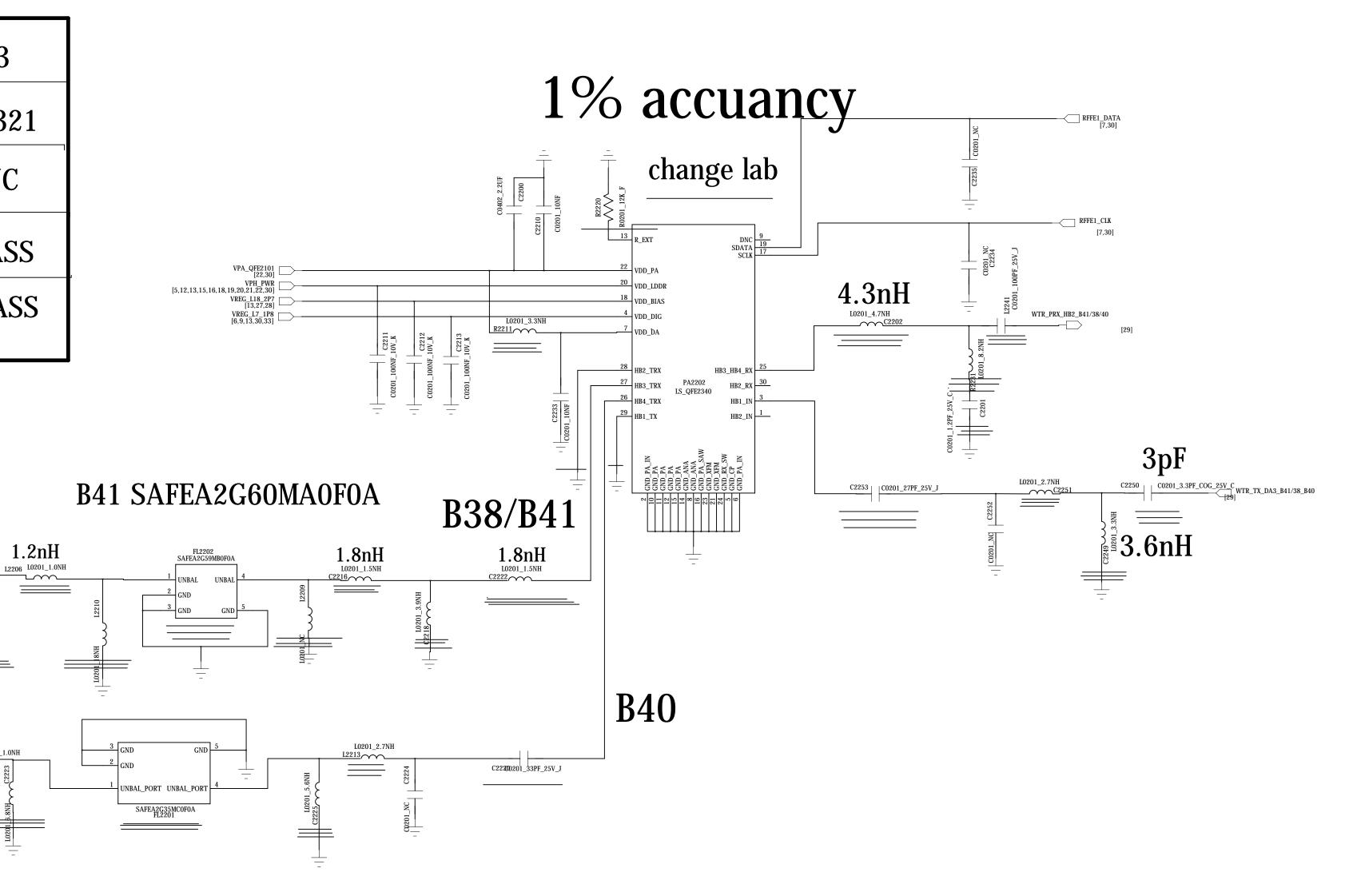
TDD-LTE_B40_B41/38

3 Chose 2

G900	B40		В3
C2445	C2240 C2230		L2321
PASS	NC	PASS	NC
PASS	NC	NC	PASS
NC	PASS	NC	PASS
	C2445 PASS PASS	C2445 C2240 PASS NC PASS NC	C2445 C2240 C2230 PASS NC PASS PASS NC NC

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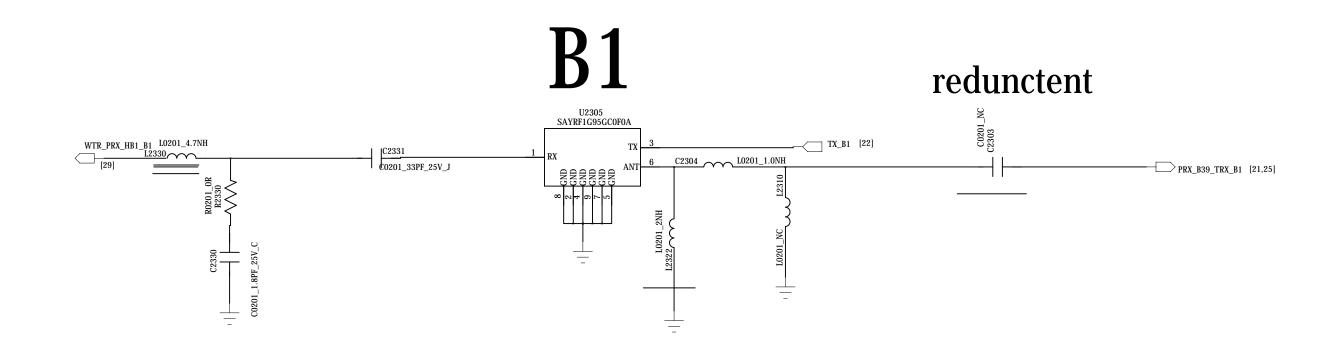
swap the ports

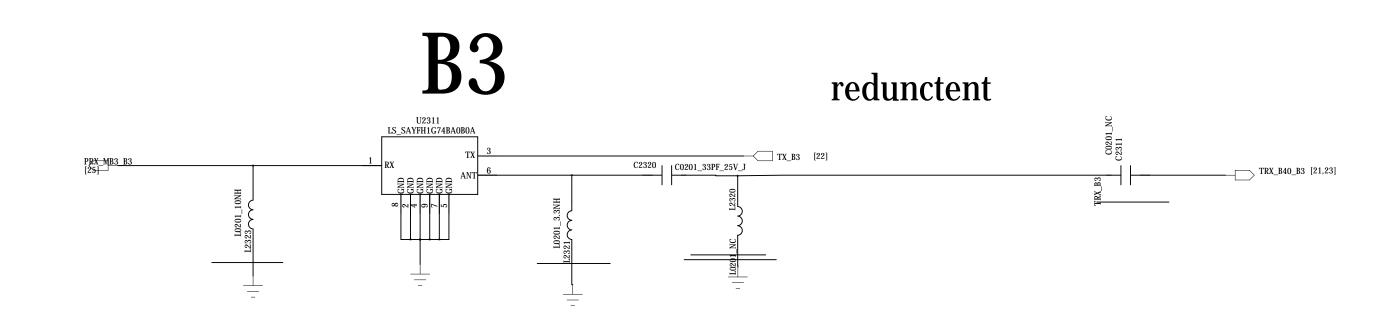


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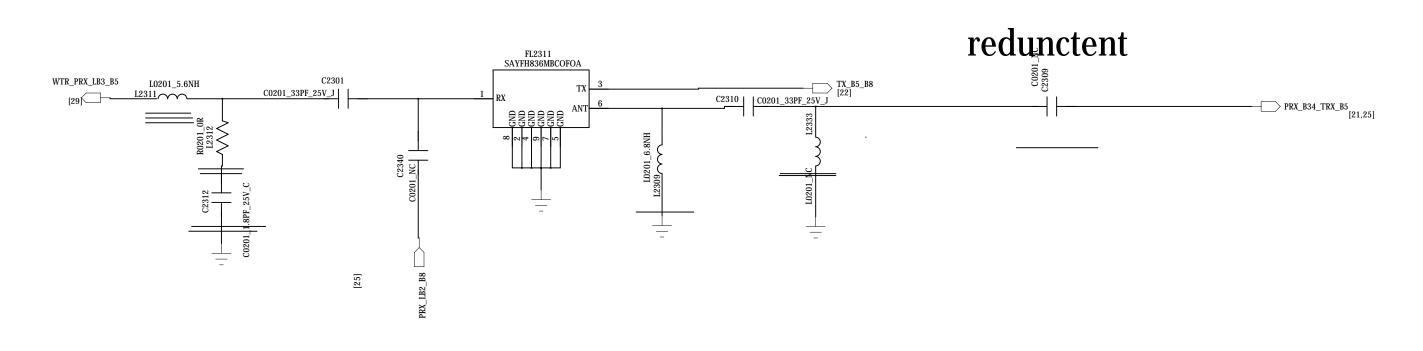






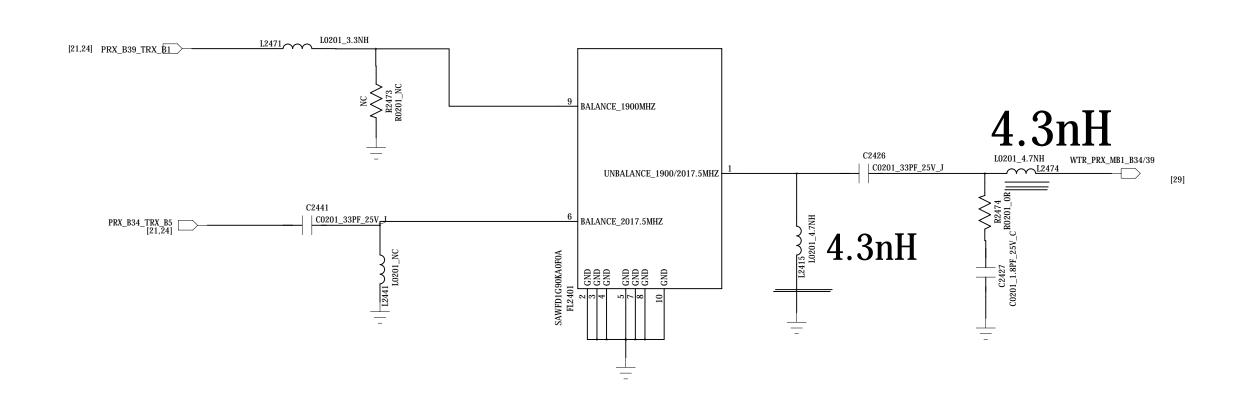
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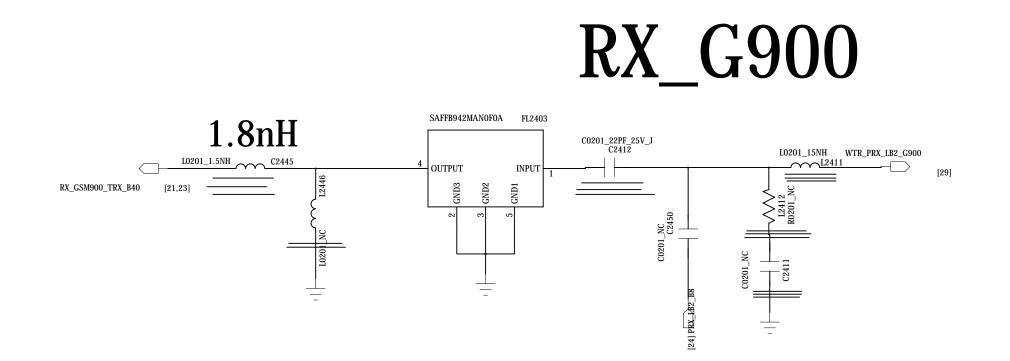
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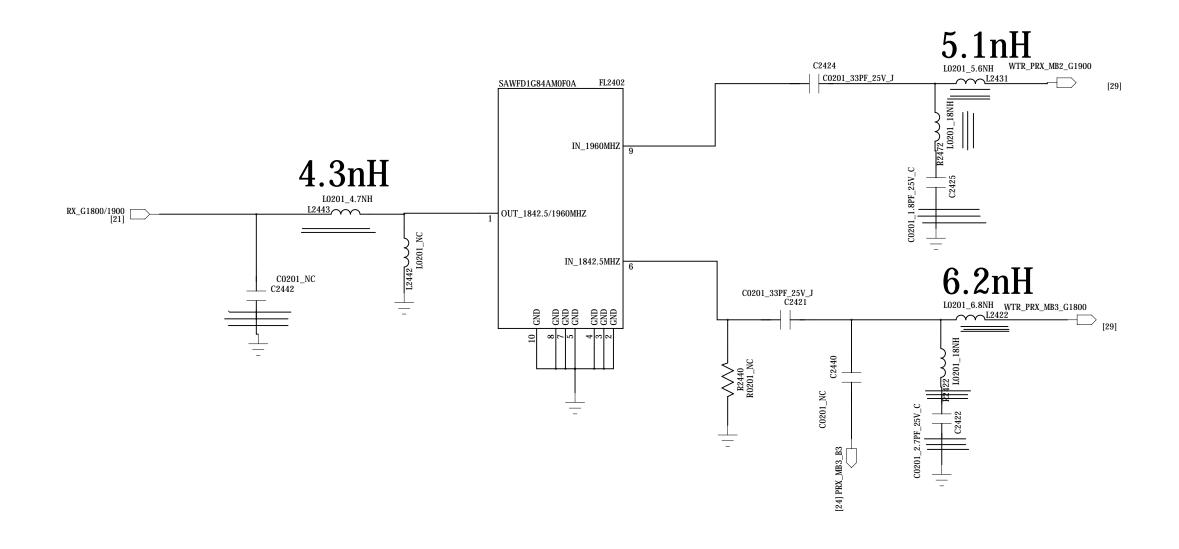
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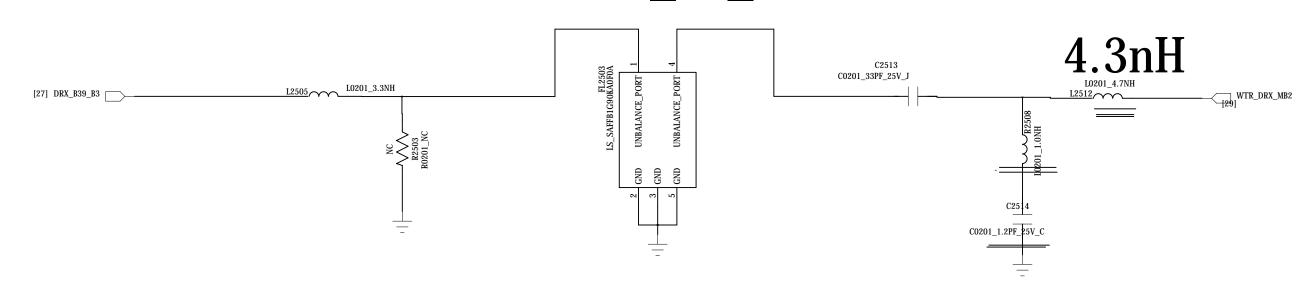


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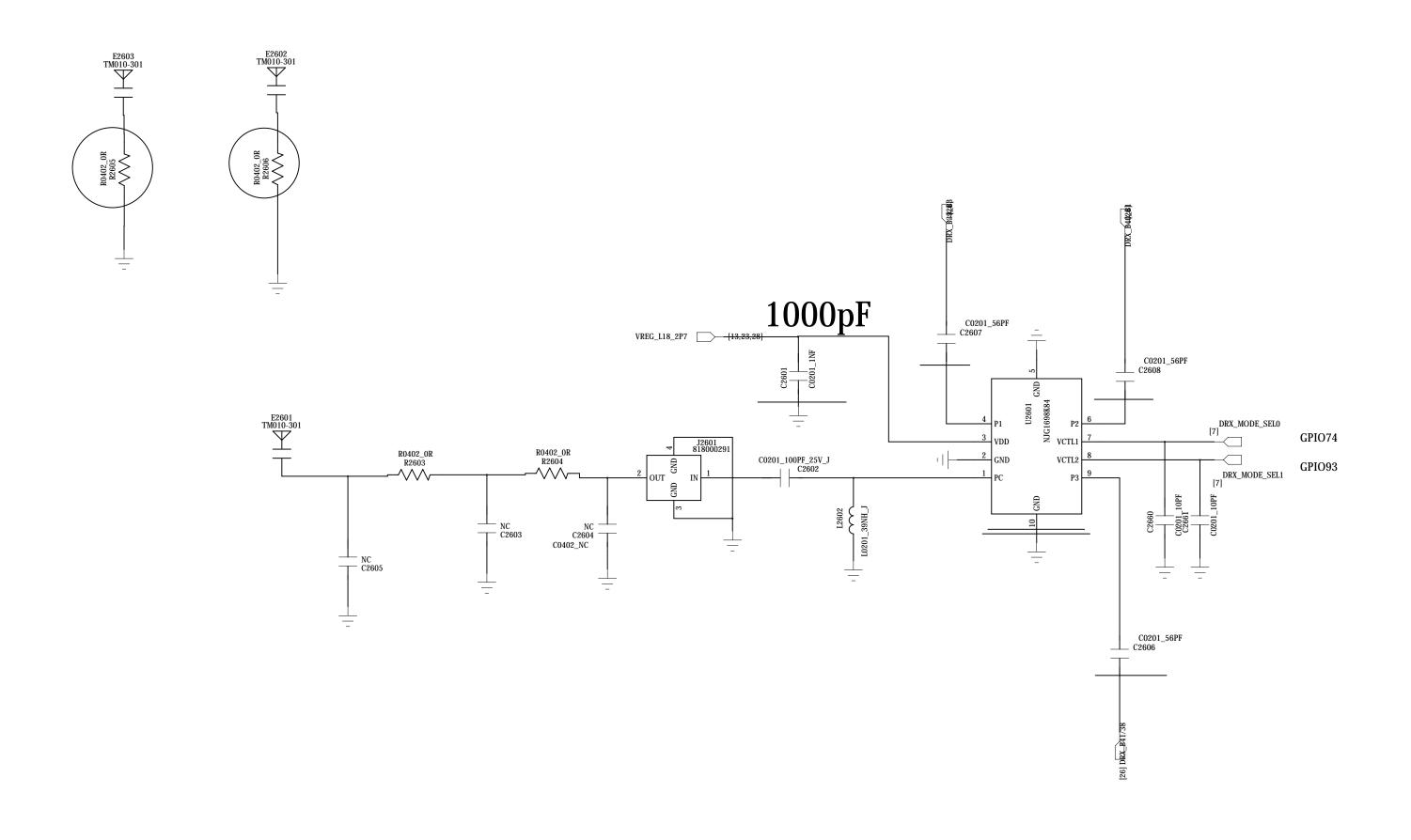
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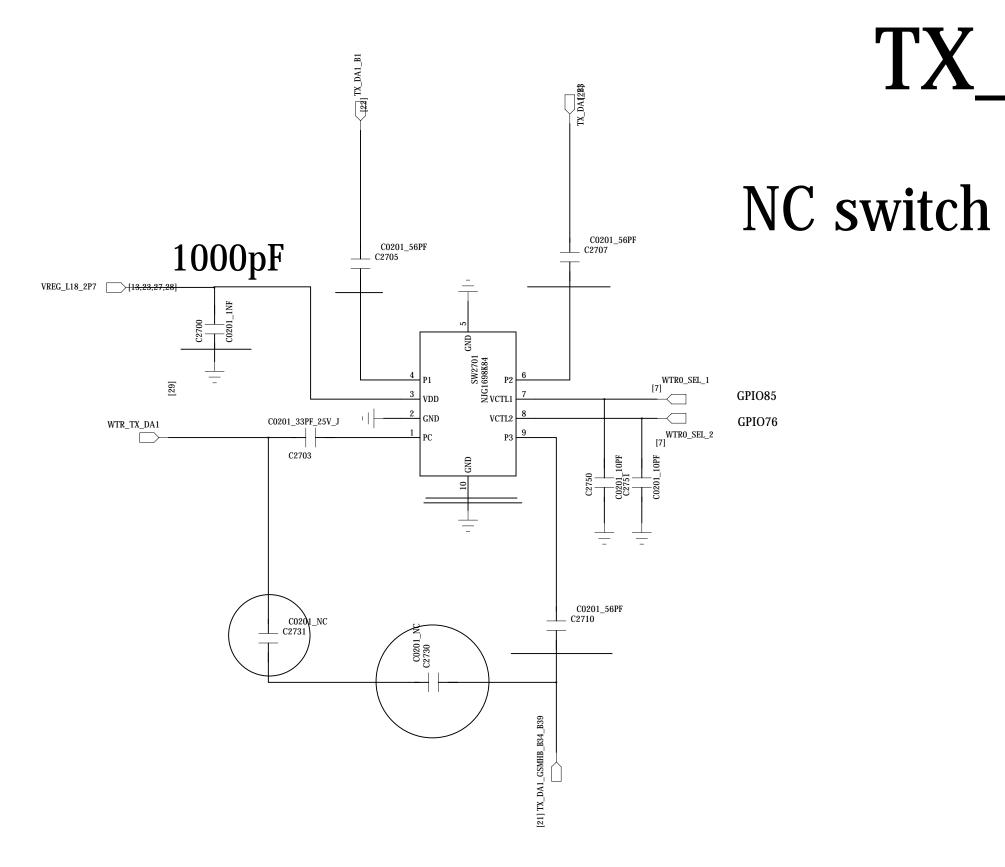


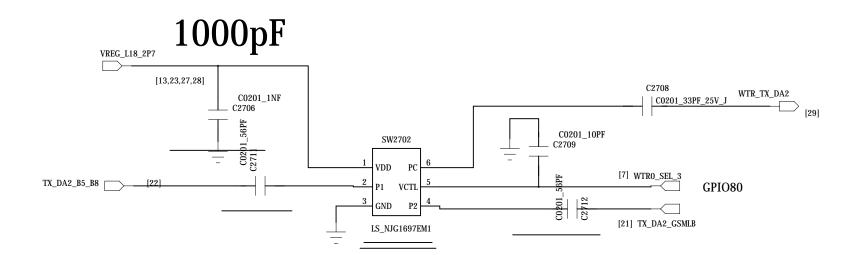


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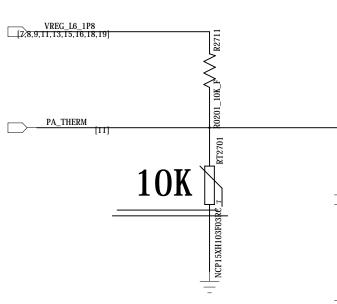
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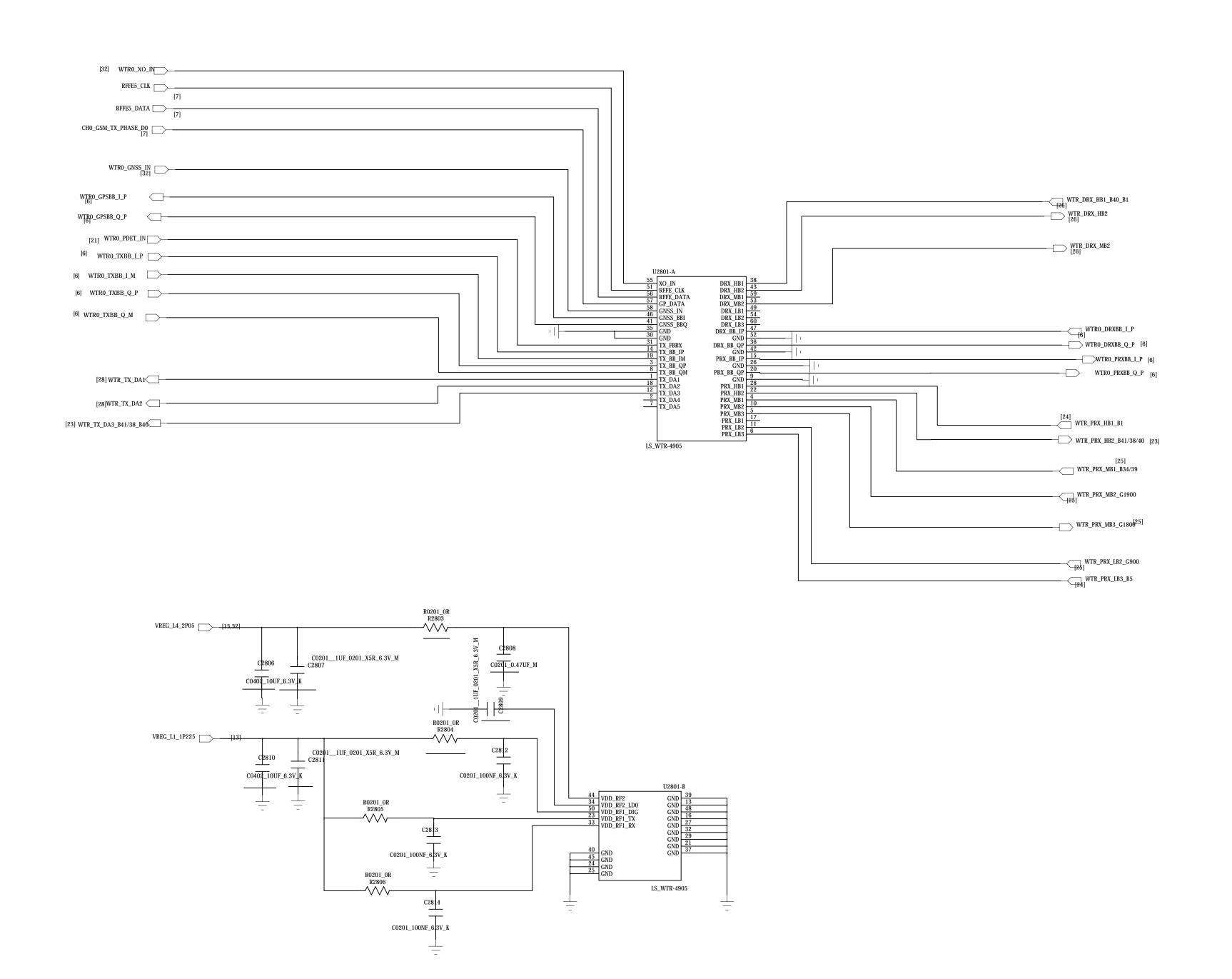


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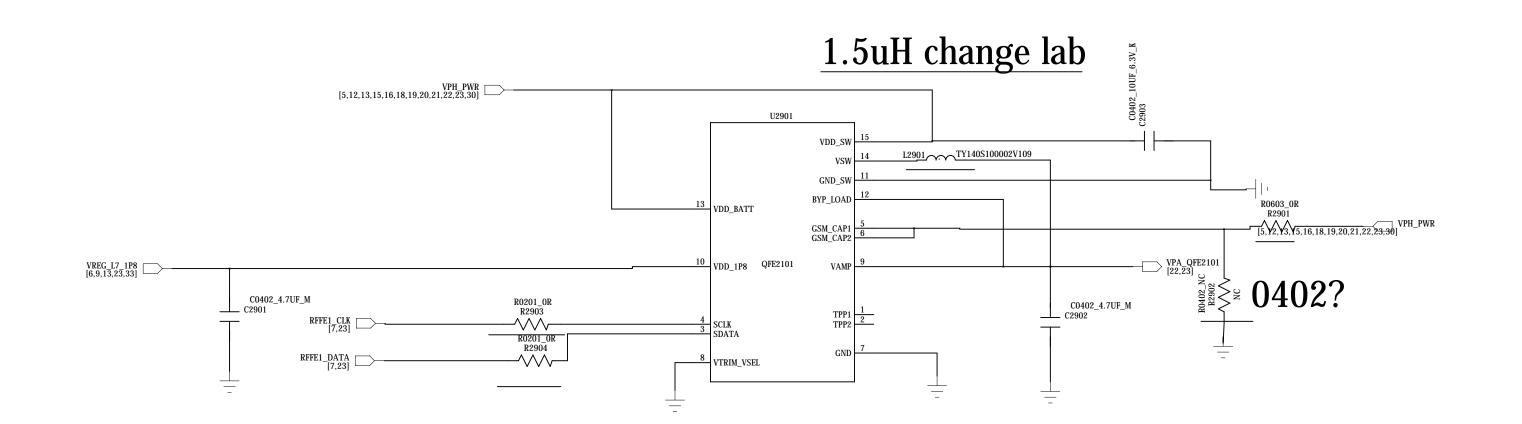


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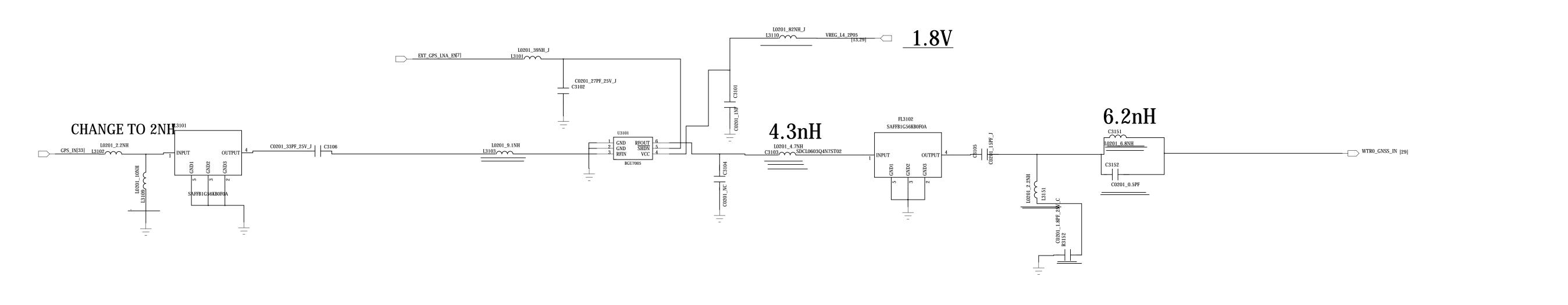
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