

I2C Configuration Table

I2C	Function	I2C Slave Address(7-bit mode)
BLSP2_I2C	eMCP DCDC	FAN53526 I2C Address:0x60 (Write:0xC0 Read:0xC1 ) PM3003A I2C Address:0x60 (Write:0xC0 Read:0xC1 ) RT5738 I2C Address:0x53 (Write:0xA6 Read:0xA7 )
	2nd Charger IC	BQ25970-Default NC I2C Address:0x?? ( Write:0x?? Read:0x?? )
	Smart PA	CS35L35 I2C Address:0x40 ( ADR=0 Write:0x80 Read:0x81 )
	HPUE	TPS61280 I2C Address:0x75 ( Write:0xEA Read:0xEB )
	Sar Sensor	CY8C4024FNI-S412 I2C Address:0x?? ( Write:0x?? Read:0x?? )
BLSP3_I2C	TP	GT917D I2C Address:0x5D ( Write:0xBA Read:0xBB ) FT5446 I2C Address:0x38 ( Write:0x70 Read:0x71 )
BLSP6_I2C	NFC	PN553 I2C Address:0x28 ( Write:0x50 Read:0x51 )
CCI_I2C0	Dedicated Cam I2C0	S5K2L7SA-Rear Main CAM I2C Address:0x2D ( Write:0x5A Read:0x5B )
CCI_I2C1	Dedicated Cam I2C1	S5K4H7YX-Front Cam I2C Address:0x10 ( Write:0x20 Read:0x21 ) OV5675-Rear Slave Cam I2C Address:0x36 ( Write:0x6C Read:0x6D )
LPI_I2C	ALS&PS	TMD27253 I2C Address:0x39 ( Write:0x72 Read:0x73 )
	eCompass	AK09918C I2C Address:0x0C ( Write:0x18 Read:0x19 )

SPI Configuration Table

SPI	Function
BLSP1_SPI	FPS interface
BLSP4_SPI	DTV interface
LPI_SPI	A+G sensor interface

I2S Configuration Table

I2S	Function
I2S_2	Smart PA CS35L35 interface
I2S_1_MCLK	Smart PA CS35L35 mclk

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SDM630 GPIO Configuration

GPIO_0	BLSP_SPI_MOSI_1	GPIO_42	NC	GPIO_84	UIM2_CLK
GPIO_1	BLSP_SPI_MISO_1	GPIO_43	NC	GPIO_85	UIM2_RESET
GPIO_2	BLSP_SPI_CS1_N_1	GPIO_44	NC	GPIO_86	UIM2_PRESENT
GPIO_3	BLSP_SPI_CLK_1	GPIO_45	NC	GPIO_87	UIM1_DATA
GPIO_4	BLSP_UART_TX_2	GPIO_46	CAM0_RST_N	GPIO_88	UIM1_CLK
GPIO_5	BLSP_UART_RX_2	GPIO_47	CAM1_RST_N	GPIO_89	UIM1_RESET
GPIO_6	BLSP_I2C_SDA_2	GPIO_48	CAM2_RST_N	GPIO_90	UIM1_PRESENT
GPIO_7	BLSP_I2C_SCL_2	GPIO_49	NC	GPIO_91	UIM_BATT_ALARM
GPIO_8	BLSP_SPI_MOSI_3	GPIO_50	CAM_AF_VDD_EN	GPIO_92	NC
GPIO_9	BLSP_SPI_MISO_3	GPIO_51	CAM_AVDD_EN	GPIO_93	NC
GPIO_10	BLSP_SPI_CS_N_3	GPIO_52	NC	GPIO_94	NC
GPIO_11	BLSP_SPI_CLK_3	GPIO_53	LCD0_RESET_N	GPIO_95	NC
GPIO_12	NC	GPIO_54	SD_CARD_DET_N	GPIO_96	WDG_DISABLE
GPIO_13	KEYPAD_LED_PWM	GPIO_55	DP_EN_N	GPIO_97	NC
GPIO_14	BLSP_I2C_SDA_4	GPIO_56	USBC_ORIENTATION	GPIO_98	NC
GPIO_15	BLSP_I2C_SCL_4	GPIO_57	FORCED_USB_BOOT	GPIO_99	QLINK_REQUEST
GPIO_16	BLSP_UART_TX_5	GPIO_58	USB_PHY_PS	GPIO_100	QLINK_ENABLE
GPIO_17	BLSP_UART_RX_5	GPIO_59	MDP_VSYNC_P	GPIO_101	RFFE1_DATA - SDR660 debug
GPIO_18	BLSP_UART_CTS_N_5	GPIO_60	NC	GPIO_102	RFFE1_CLK - SDR660 debug
GPIO_19	BLSP_UART_RFR_N_5	GPIO_61	NC	GPIO_103	RFFE2_DATA - (41)QAT3533
GPIO_20	FP_SUB_RESET	GPIO_62	NC	GPIO_104	RFFE2_CLK - (41)QAT3533
GPIO_21	SMB_STAT	GPIO_63	NC	GPIO_105	NC
GPIO_22	BLSP_I2C_SDA_6	GPIO_64	NC	GPIO_106	NC
GPIO_23	BLSP_I2C_SCL_6	GPIO_65	NC	GPIO_107	RFFE4_DATA-(45)QSW8574,(48)RF1656SR
GPIO_24	CDC_SWR_CLK	GPIO_66	TS_RESET_N	GPIO_108	RFFE4_CLK -(45)QSW8574,(48)RF1656SR
GPIO_25	CDC_SWR_DATA	GPIO_67	TS_INT_N	GPIO_109	RFFE5_DATA-(52)QAT3514, (52)QAT3550,(47) QAT3522
GPIO_26	WSA_SPKR_SD_N_1	GPIO_68	ACC_GYRO_DATA_AVA_INT_N	GPIO_110	RFFE5_CLK-(52)QAT3514, (52)QAT3550,(47)QAT3522
GPIO_27	NC	GPIO_69	ACC_GYRO_MOT_INT_N	GPIO_111	RFFE6_DATA - (46)QET4101 ch0, (41)QPA4361
GPIO_28	NFC_IRQ	GPIO_70	MAG_INT_N	GPIO_112	RFFE6_CLK - (46)QET4101 ch0, (41)QPA4361
GPIO_29	NFC_EN	GPIO_71	ALSP_INT_N	GPIO_113	NC
GPIO_30	NFC_DWL_REQ	GPIO_72	FP_INT_N_1	LPI_GPIO_0	LPI_SPI_1_CS1_N
GPIO_31	NFC_ESE_PWR_REQ	GPIO_73	NC	LPI_GPIO_1	LPI_PWR_EN
GPIO_32	CAM_MCLK0	GPIO_74	NC	LPI_GPIO_2	LPI_I2C_3_SDA
GPIO_33	CAM_MCLK1	GPIO_75	NC	LPI_GPIO_3	LPI_I2C_3_SCL
GPIO_34	CAM_MCLK2	GPIO_76	NC	LPI_GPIO_4	LPI_SPI_2_CS_N
GPIO_35	NC	GPIO_77	AUDIO_USBC_EN2_N	LPI_GPIO_5	LPI_SPI_2_CLK
GPIO_36	CCI_I2C_SDA0	GPIO_78	WMSS_RESETN	LPI_GPIO_6	LPI_SPI_2_MOSI
GPIO_37	CCI_I2C_SCL0	GPIO_79	PWM_CNTRL	LPI_GPIO_7	LPI_SPI_2_MISO
GPIO_38	CCI_I2C_SDA1	GPIO_80	AUDIO_USBC_EN1	LPI_GPIO_8	LPI_SPI_1_CS_N
GPIO_39	CCI_I2C_SCL1	GPIO_81	MSS_LTE_COXM_TXD	LPI_GPIO_9	LPI_SPI_1_CLK
GPIO_40	NC	GPIO_82	MSS_LTE_COXM_RXD	LPI_GPIO_10	LPI_SPI_1_MOSI
GPIO_41	FL_STROBE_TRIG	GPIO_83	UIM2_DATA	LPI_GPIO_11	LPI_SPI_1_MISO

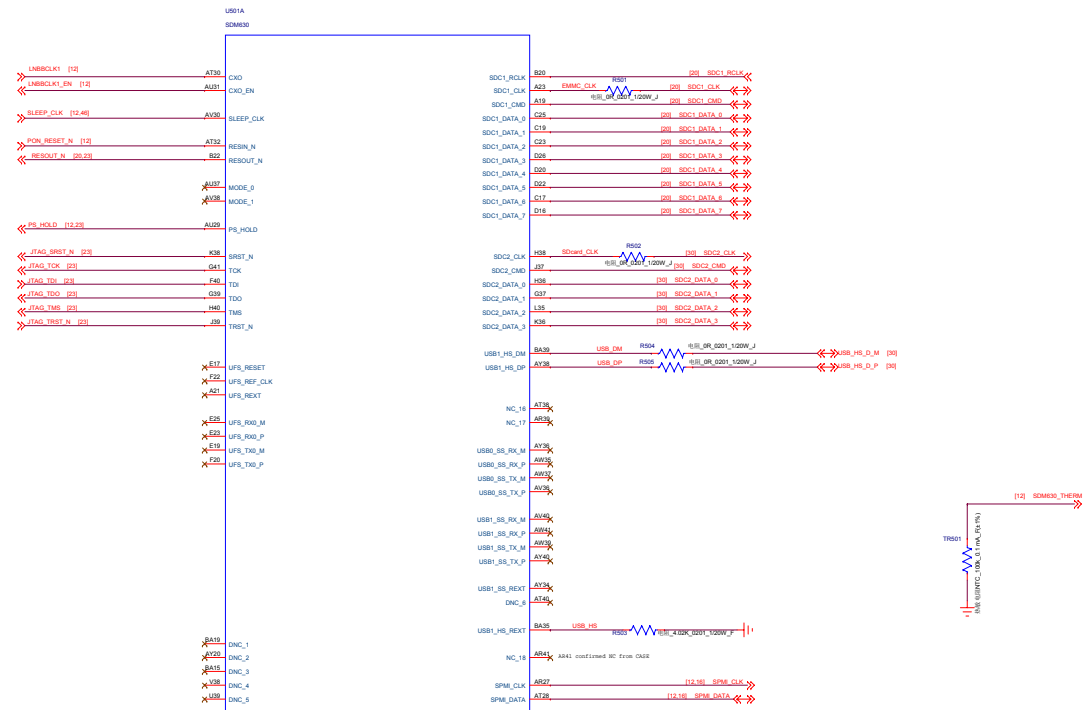
LPI_GPIO_12	LPI_UART_1_TX
LPI_GPIO_13	LPI_UART_1_RX
LPI_GPIO_14	NC
LPI_GPIO_15	NC
LPI_GPIO_16	NC
LPI_GPIO_17	NC
LPI_GPIO_18	CDC_PDM_CLK
LPI_GPIO_19	CDC_PDM_SYNC
LPI_GPIO_20	CDC_PDM_TX
LPI_GPIO_21	CDC_PDM_RX0
LPI_GPIO_22	CDC_PDM_RX0_COMP
LPI_GPIO_23	CDC_PDM_RX1
LPI_GPIO_24	CDC_PDM_RX1_COMP
LPI_GPIO_25	CDC_PDM_RX2
LPI_GPIO_26	CDC_DMIC_CLK1
LPI_GPIO_27	CDC_DMIC_DATA1
LPI_GPIO_28	CDC_DMIC_CLK2
LPI_GPIO_29	CDC_DMIC_DATA2
LPI_GPIO_30	LPI_QCA_SB_CLK
LPI_GPIO_31	LPI_QCA_SB_DATA0

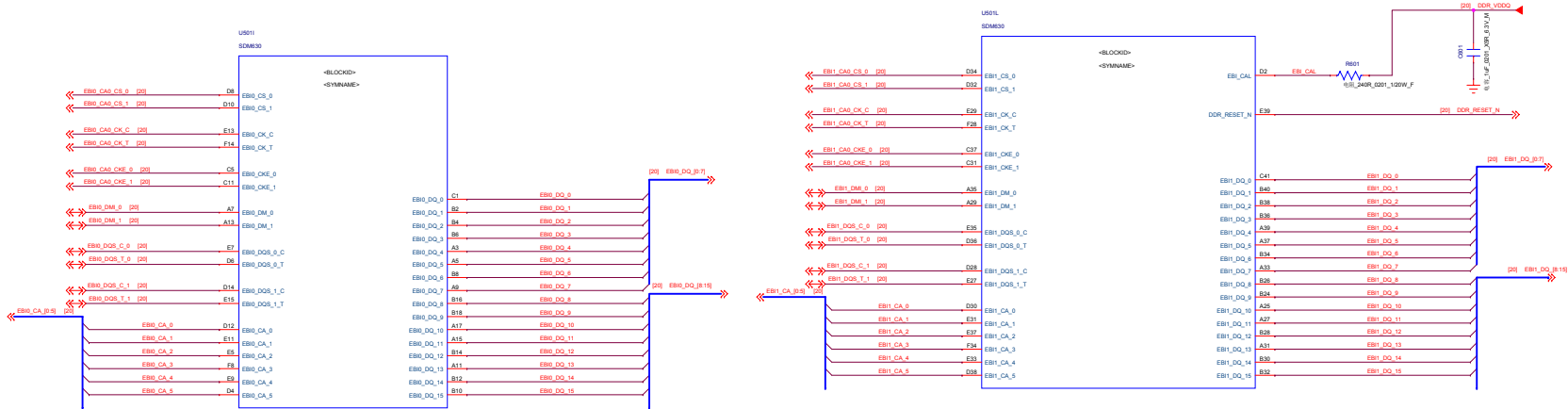
PM660 GPIO Configuration

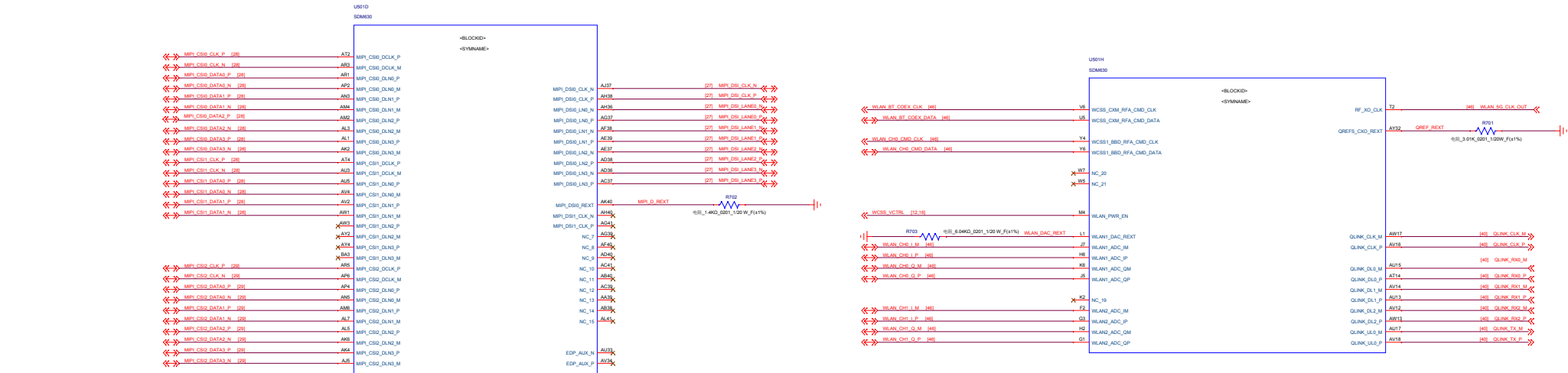
GPIO_1	OPTION1	GPIO_8	SLB
GPIO_2	DIV_CLK2	GPIO_9	uUSB_TYPEC
GPIO_3	NC	GPIO_10	WCSS_VCTRL
GPIO_4	NFC_CLK_REQ	GPIO_11	HOMEKEY_FP_PM_INT
GPIO_5	WLAN_SW_CTRL	GPIO_12	WIPWR_MODE
GPIO_6	SLP_CLK	GPIO_13	PM_A_GPIO_13
GPIO_7	UIM_BATT_ALARM		

PM660A GPIO Configuration

GPIO_1	OPTION2	GPIO_8	SD_CARD_DET_N
GPIO_2	LPI_PWR_EN	GPIO_9	WCSS_VCTRL
GPIO_3	FRONT_CAM_DVDD_EN	GPIO_10	SLB
GPIO_4	REAR_CAM_DVDD_EN	GPIO_11	LP4x_CTRL
GPIO_5	NC	GPIO_12	LP4x_MODE
GPIO_6	FP_VDD_EN		
GPIO_7	KEY_VOL_UP_N		







REF 801-899



The schematic shows the power supply section. A red triangle symbol labeled **VREG\_L1TA\_1PB [R.14.27.20]** is connected to a node. This node is also connected to a resistor labeled **R80-4**. The other end of R80-4 is connected to another node, which is connected to two more resistors: **@JL\_22K\_03B5\_02W\_U** and **@JL\_22K\_03B5\_02W\_U**. These two resistors are connected to ground symbols labeled **CAM\_QC\_SDA0 [R.28]** and **CAM\_QC\_SCL6 [R.28]**.

Camera0 I2C

Camera1 I2

TE

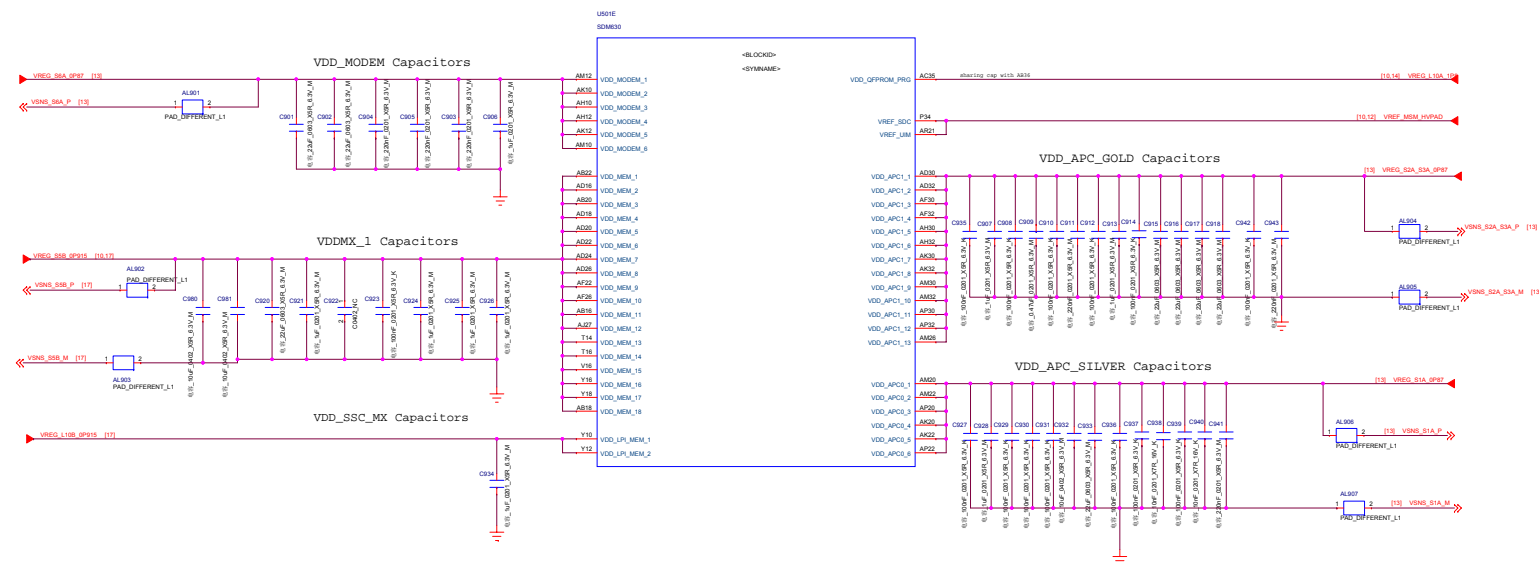
# Hardware ID

sensor I:

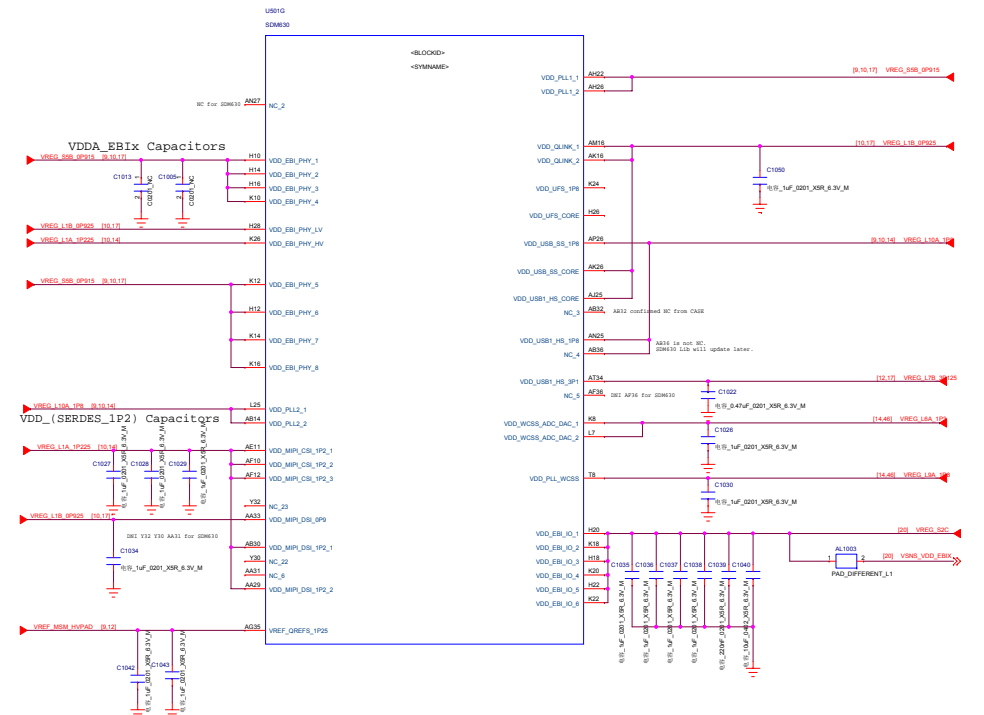
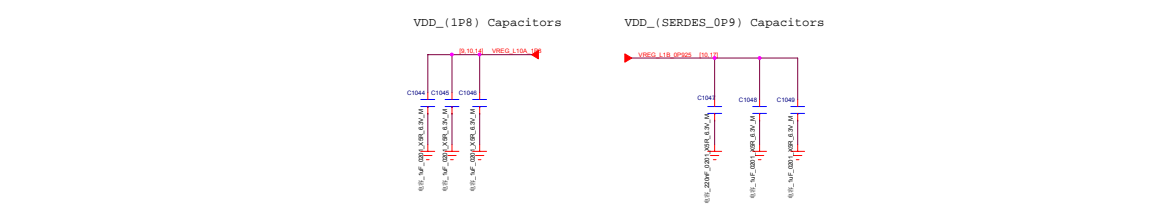
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NFC





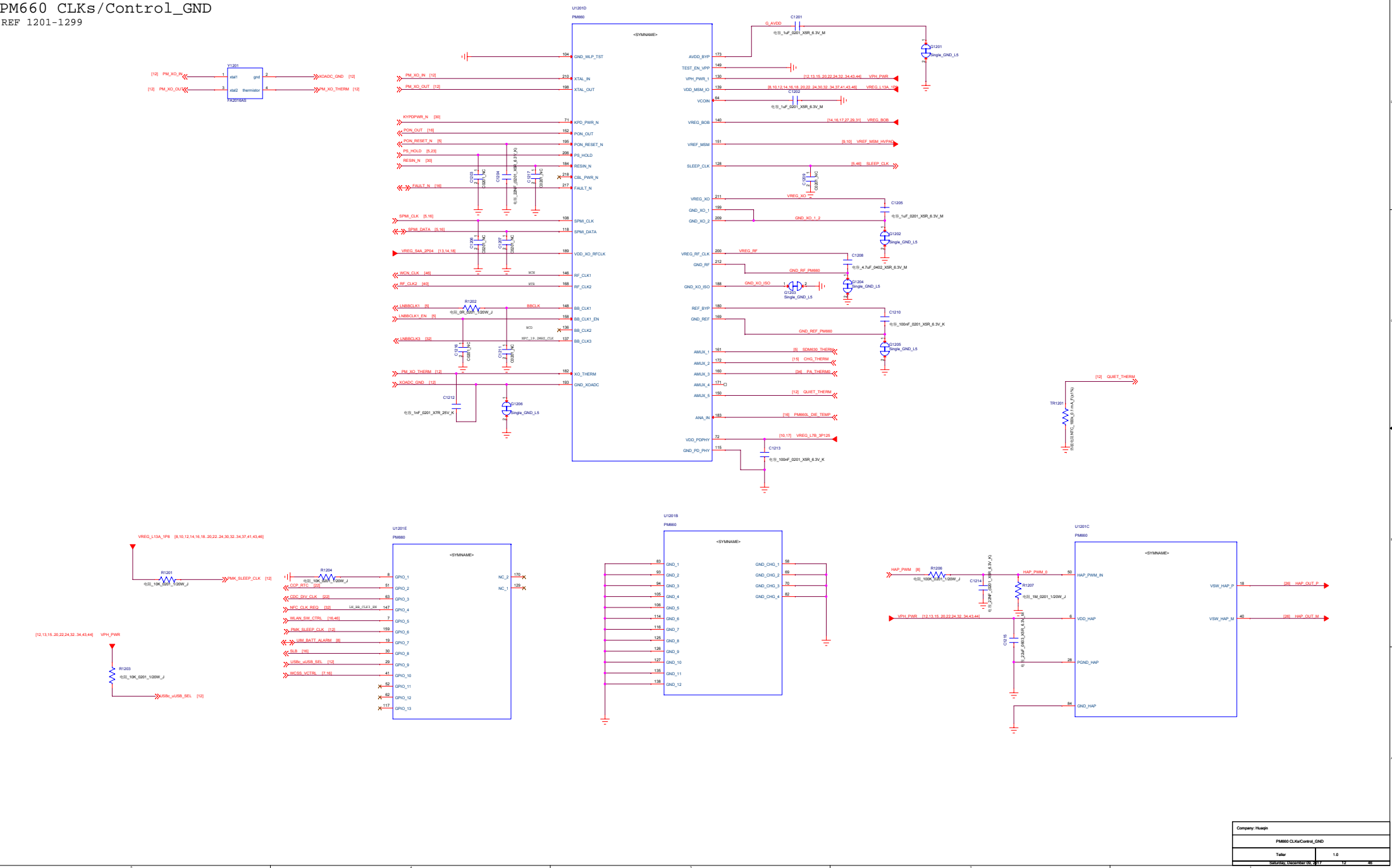
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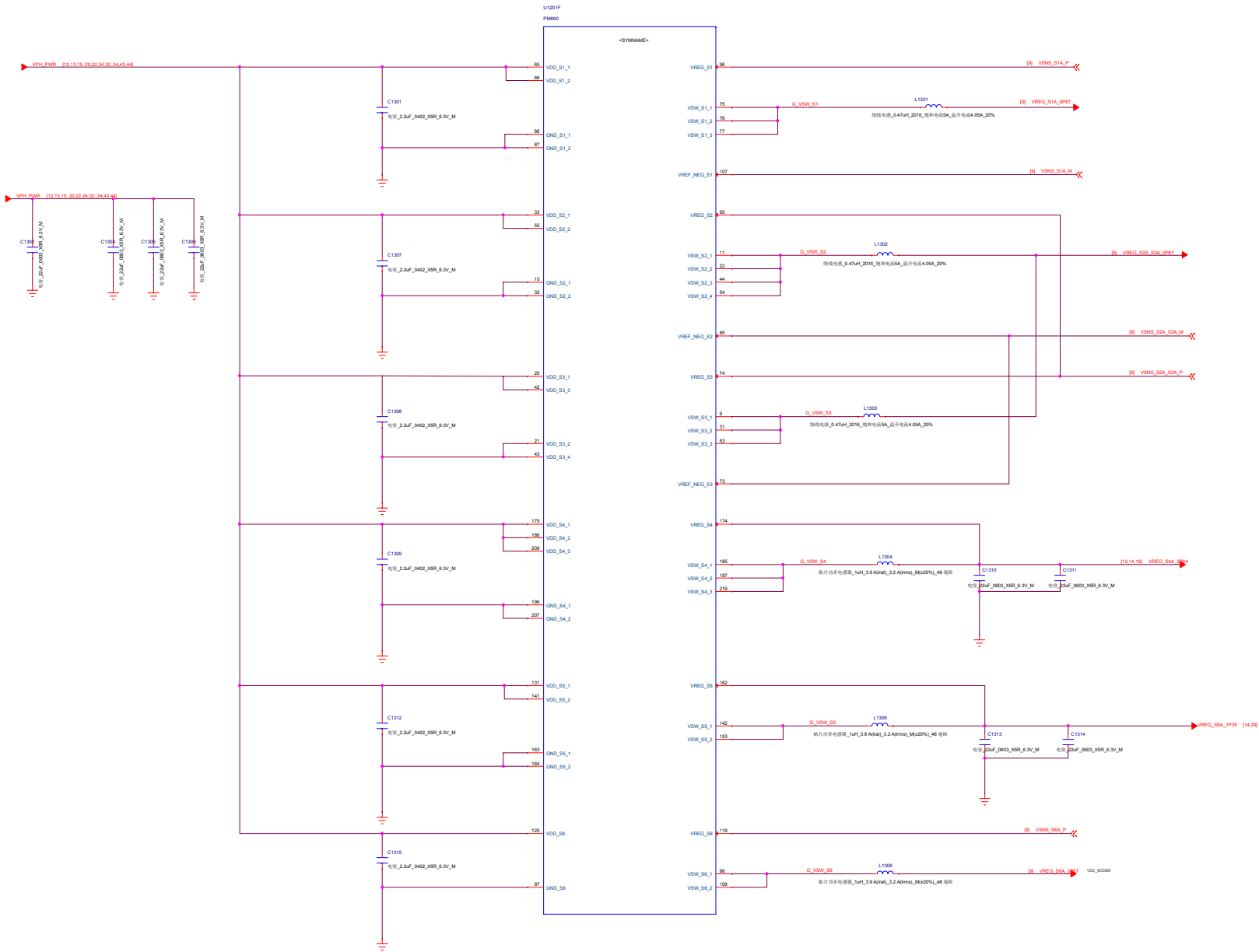
Company: Huawei		
SDM530 Power (Other, LP4X)		
Teller	1.0	
Saturday, December 09, 2017	10	45



PM660 CLKs/Control\_GND  
REF 1201-1299

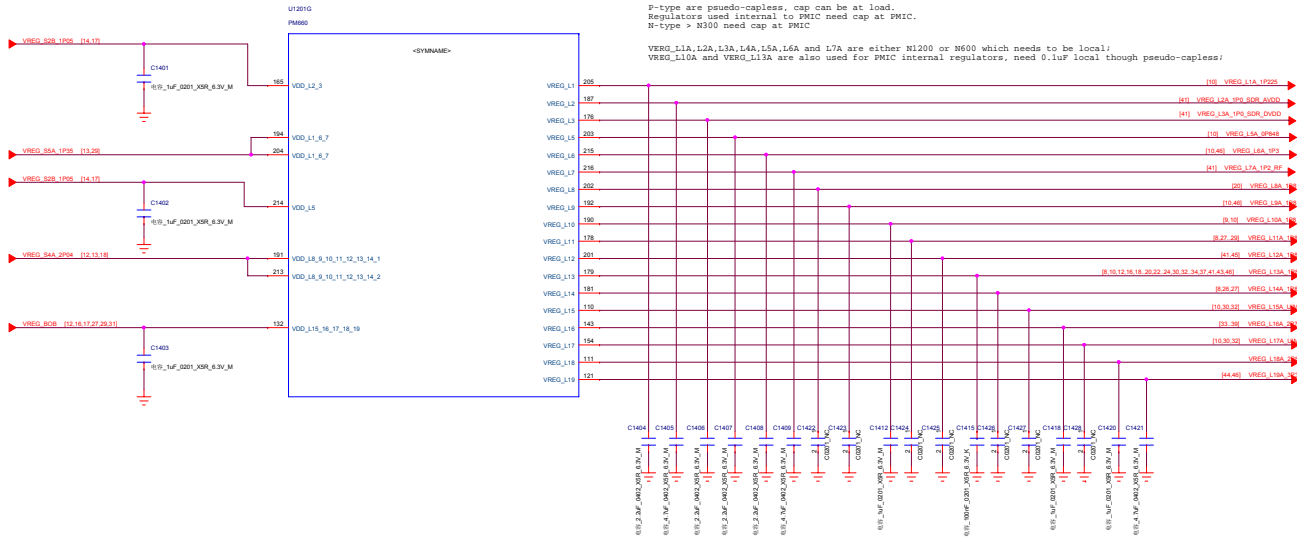


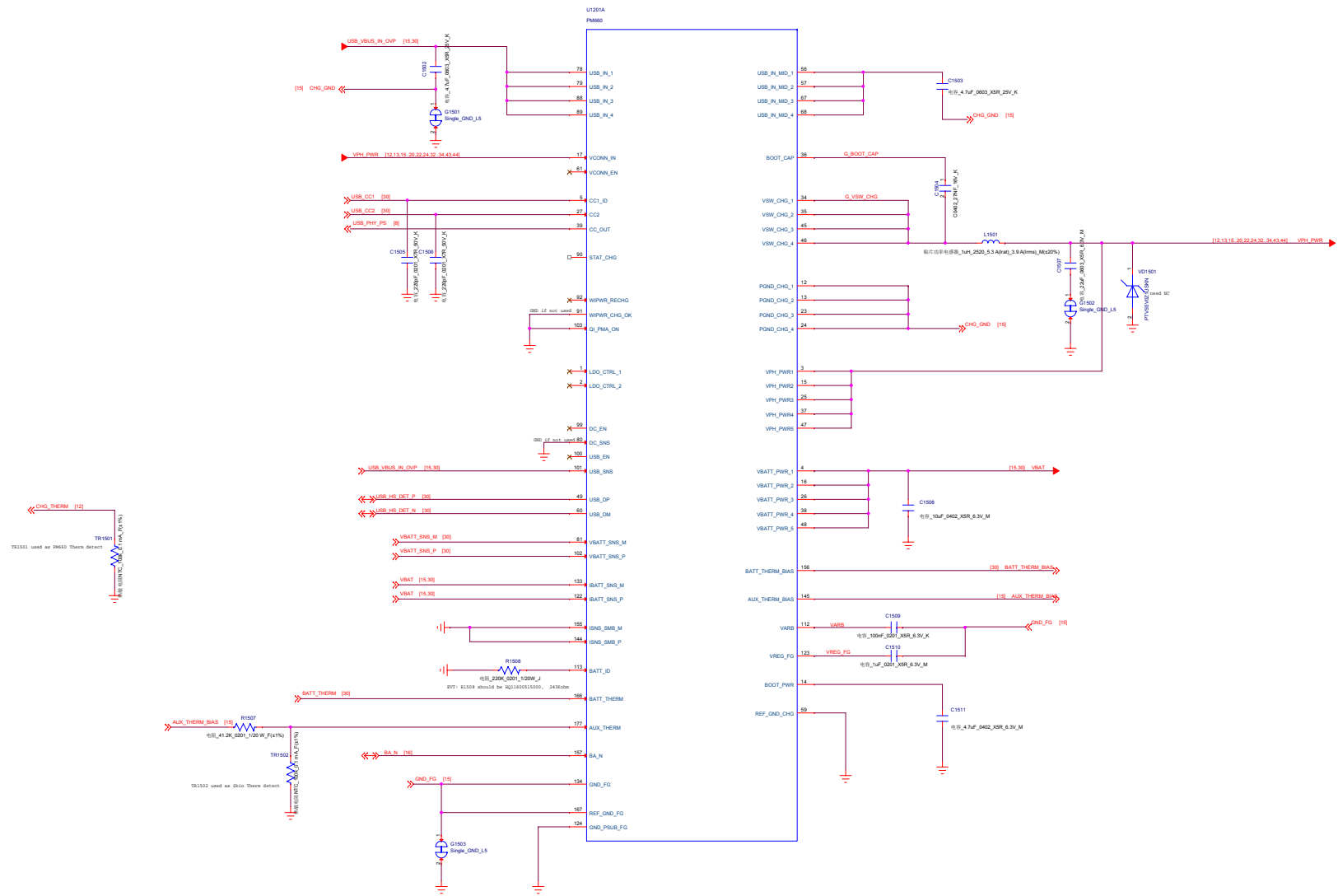
PM660 Buck Converter  
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PM660 LDO Circuits

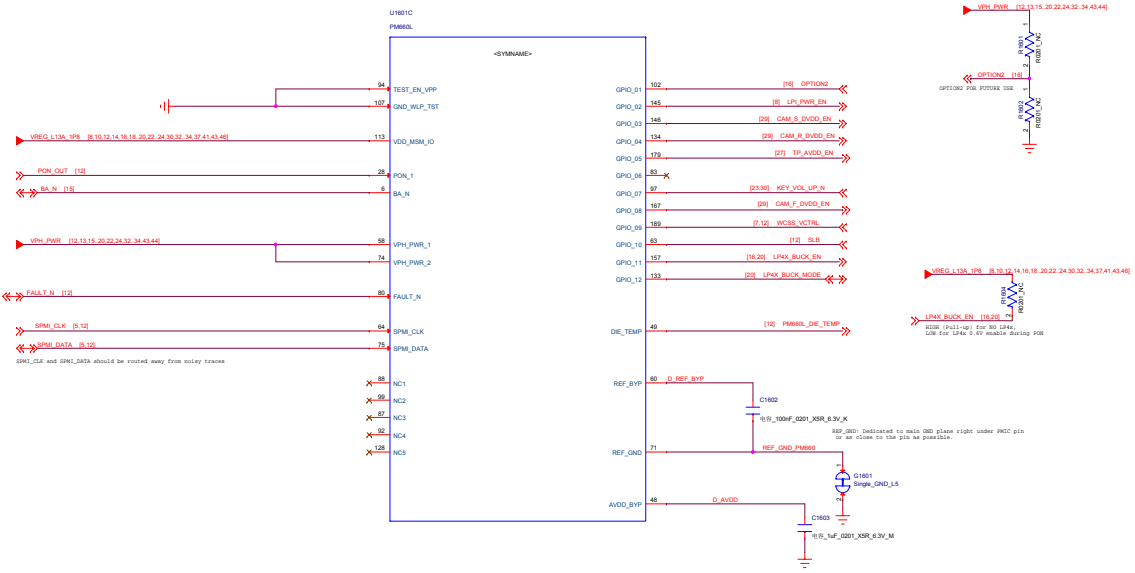
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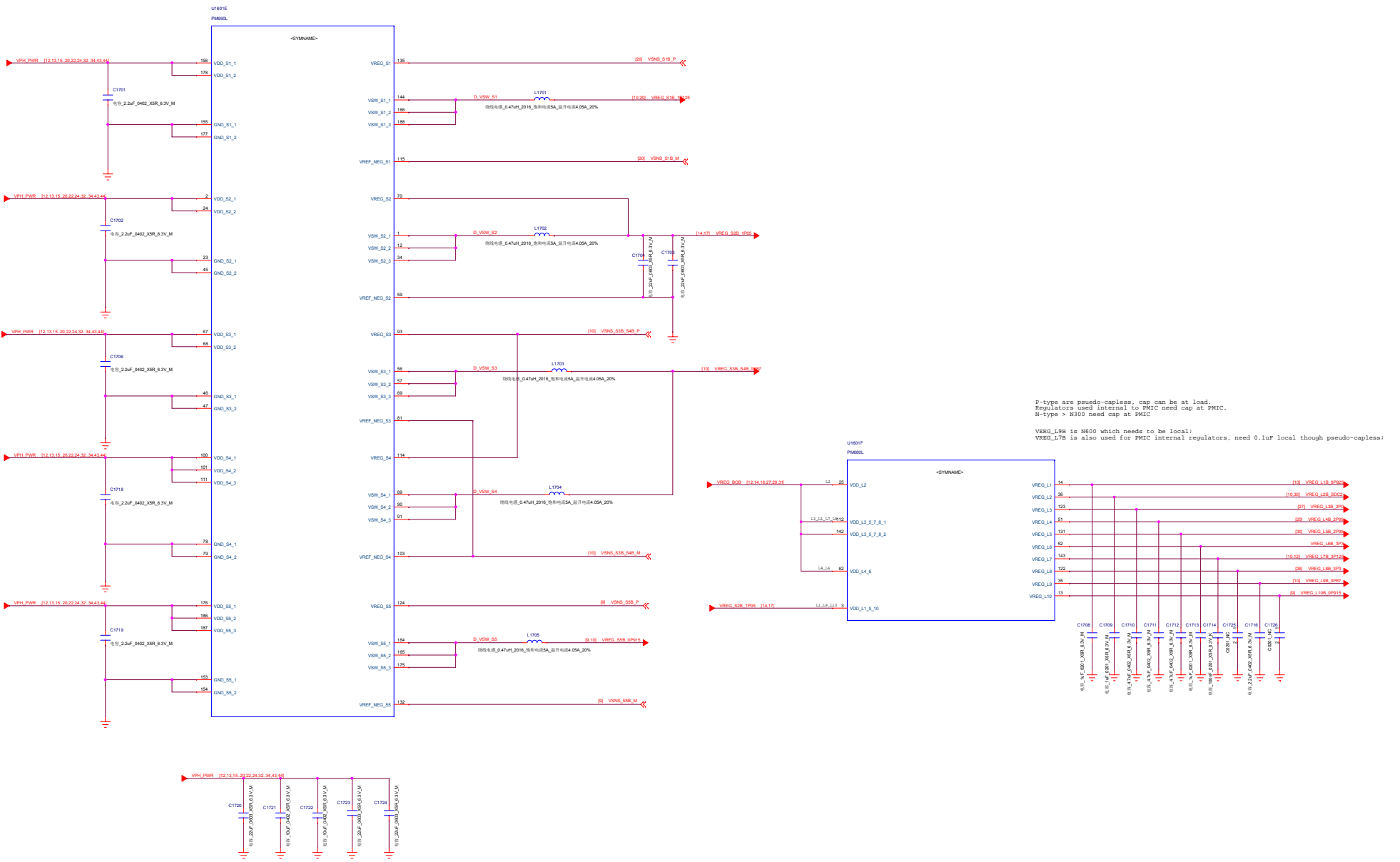
PM660 Charger\_FG  
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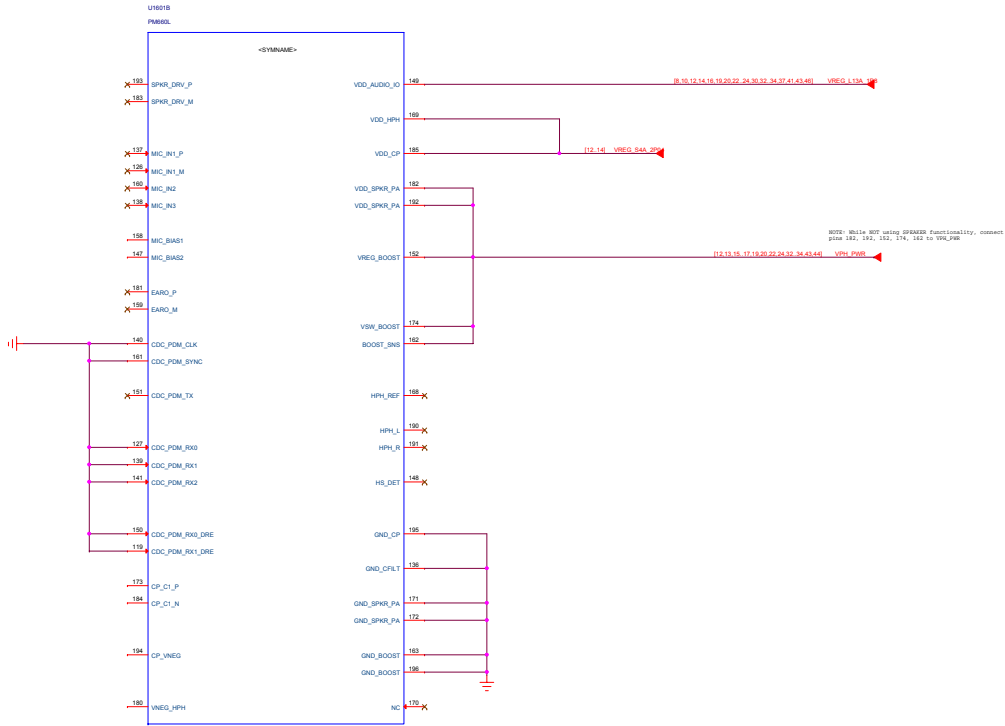
PM660L Control and Bob\_Flash

REF 1601-1699

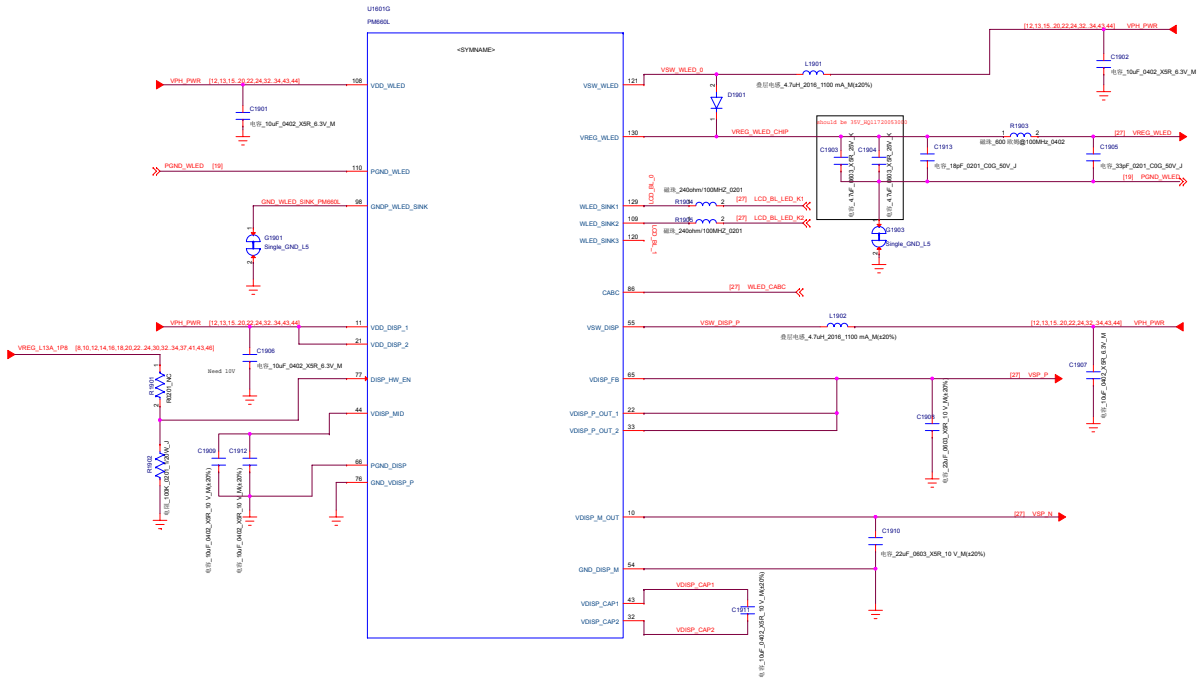


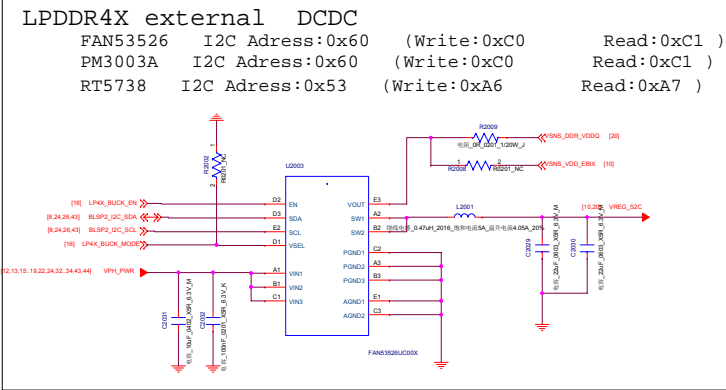
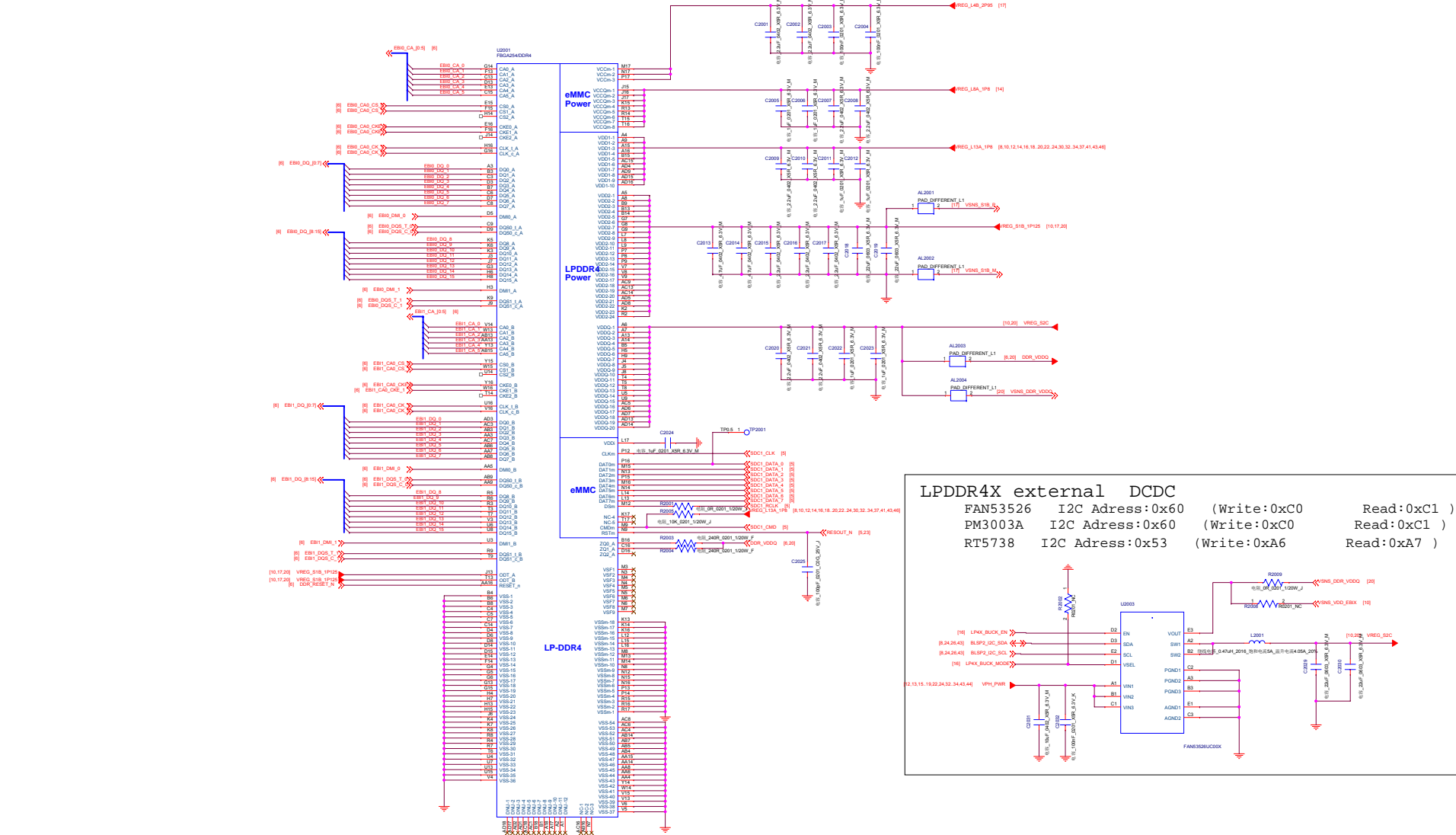




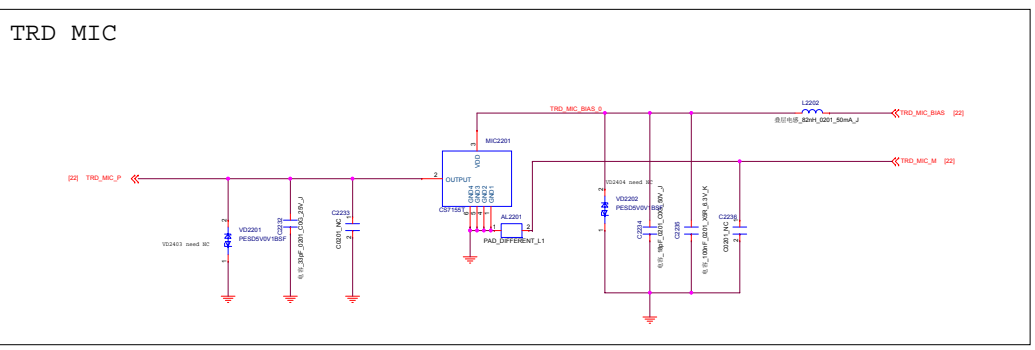
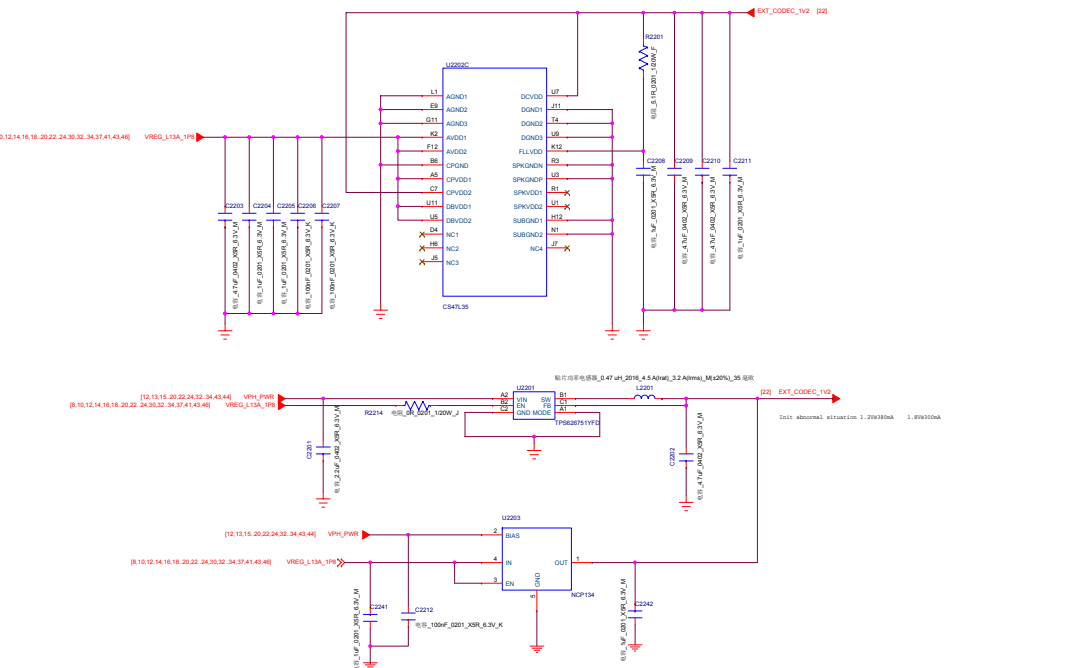
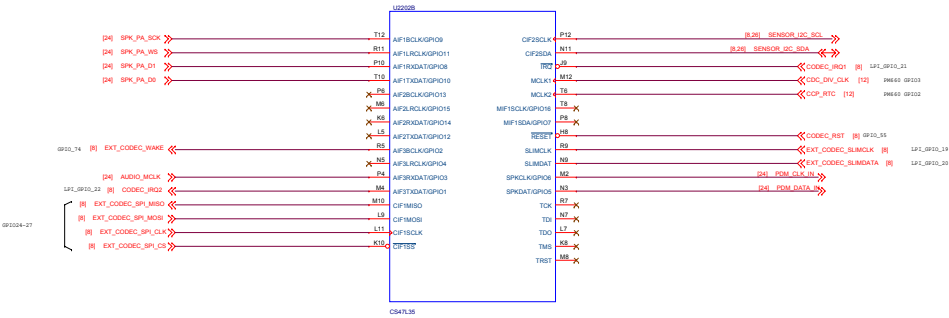
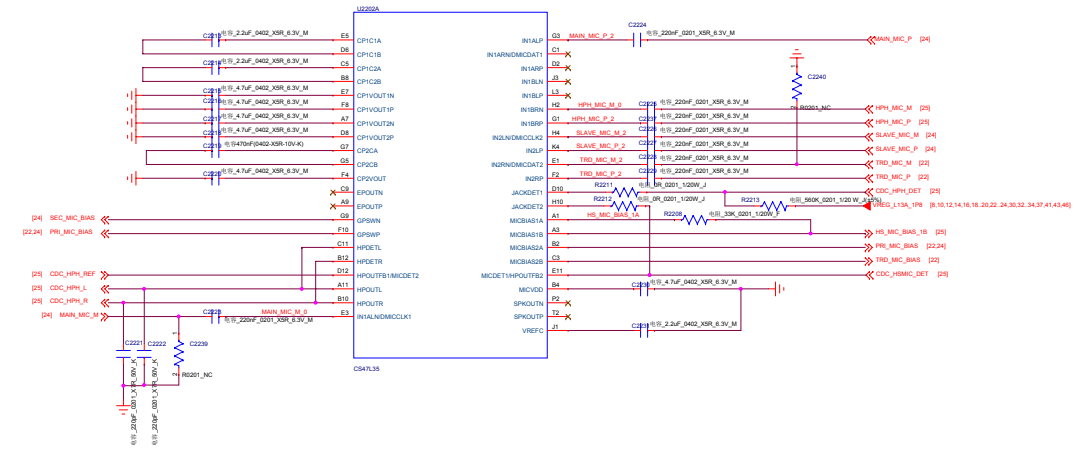


PM660L Display  
REF 1901-1999

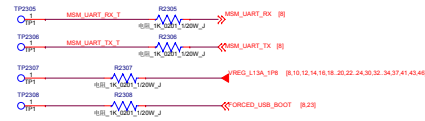




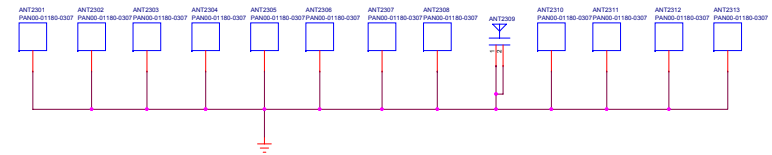
Company Name	
24W CHARGE	
Teller	1.0
RECEIVED DECEMBER 17 21 45	



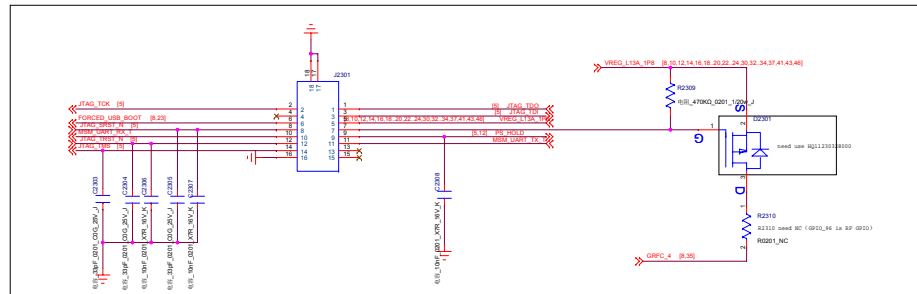
## UART and Force USB boot



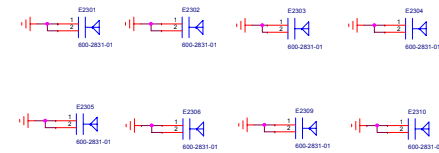
Grounding Springs



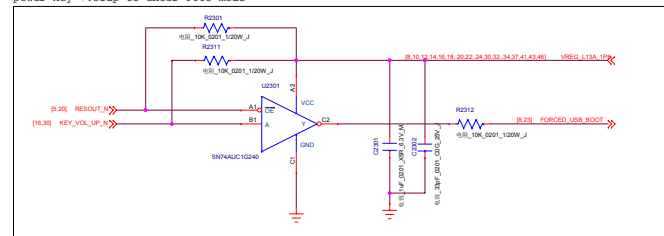
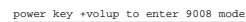
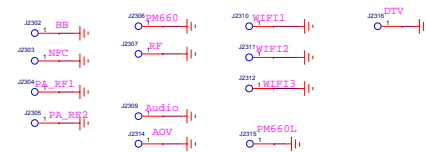
## JTAG CONNECTOR

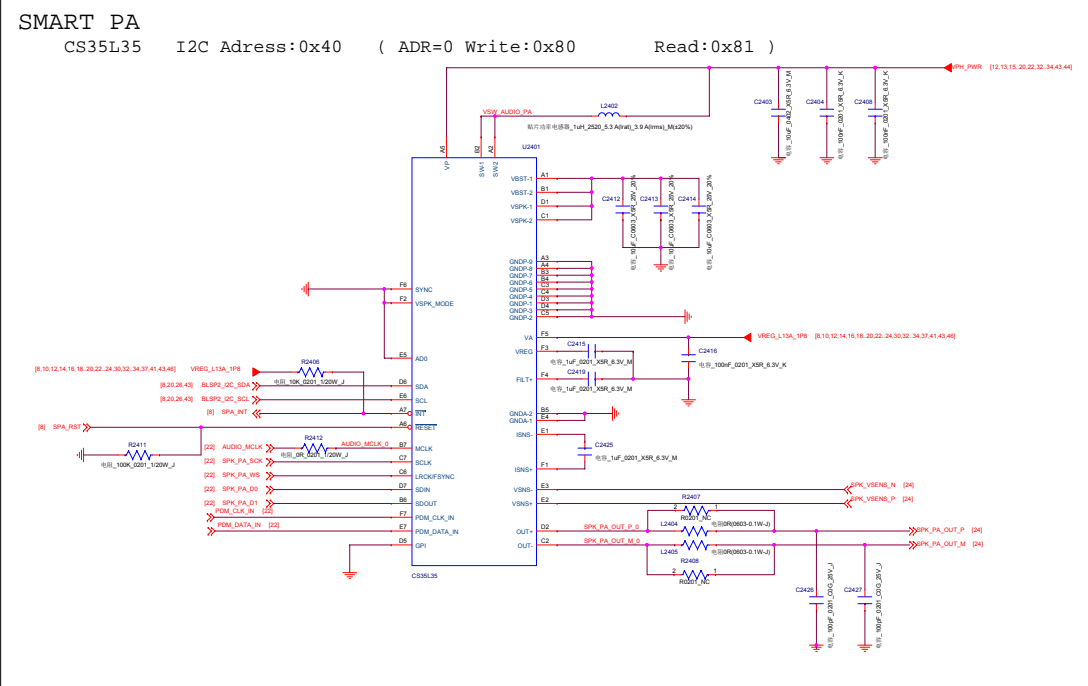
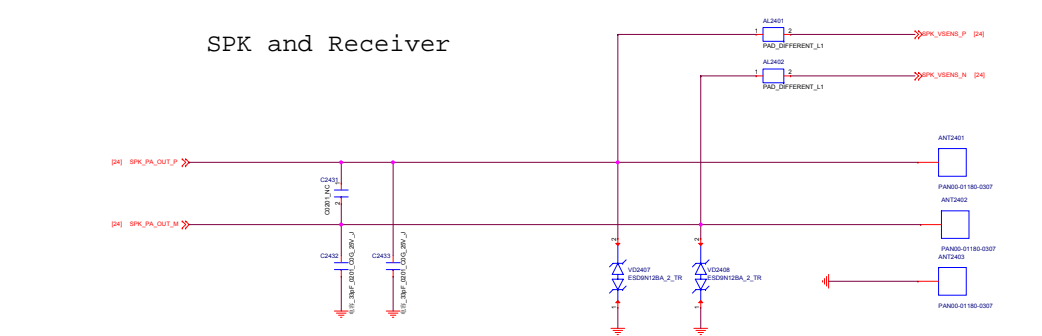
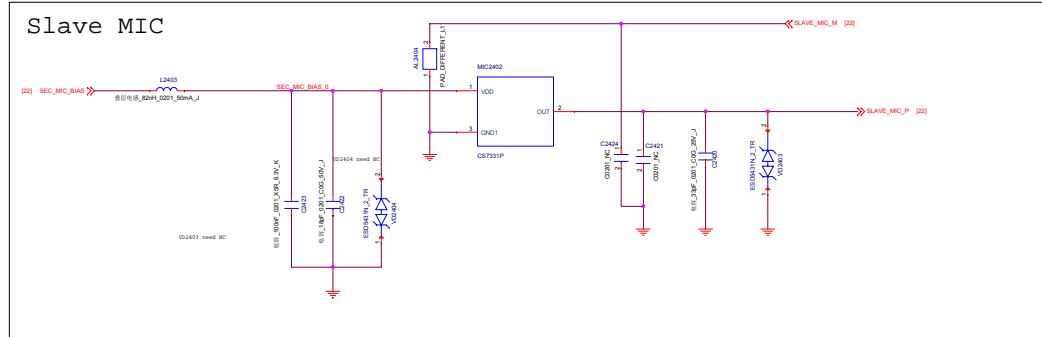
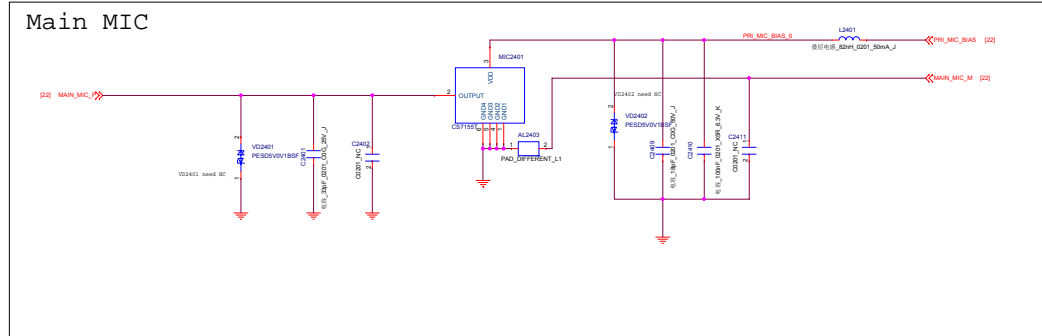


Cable clamp
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## Shields

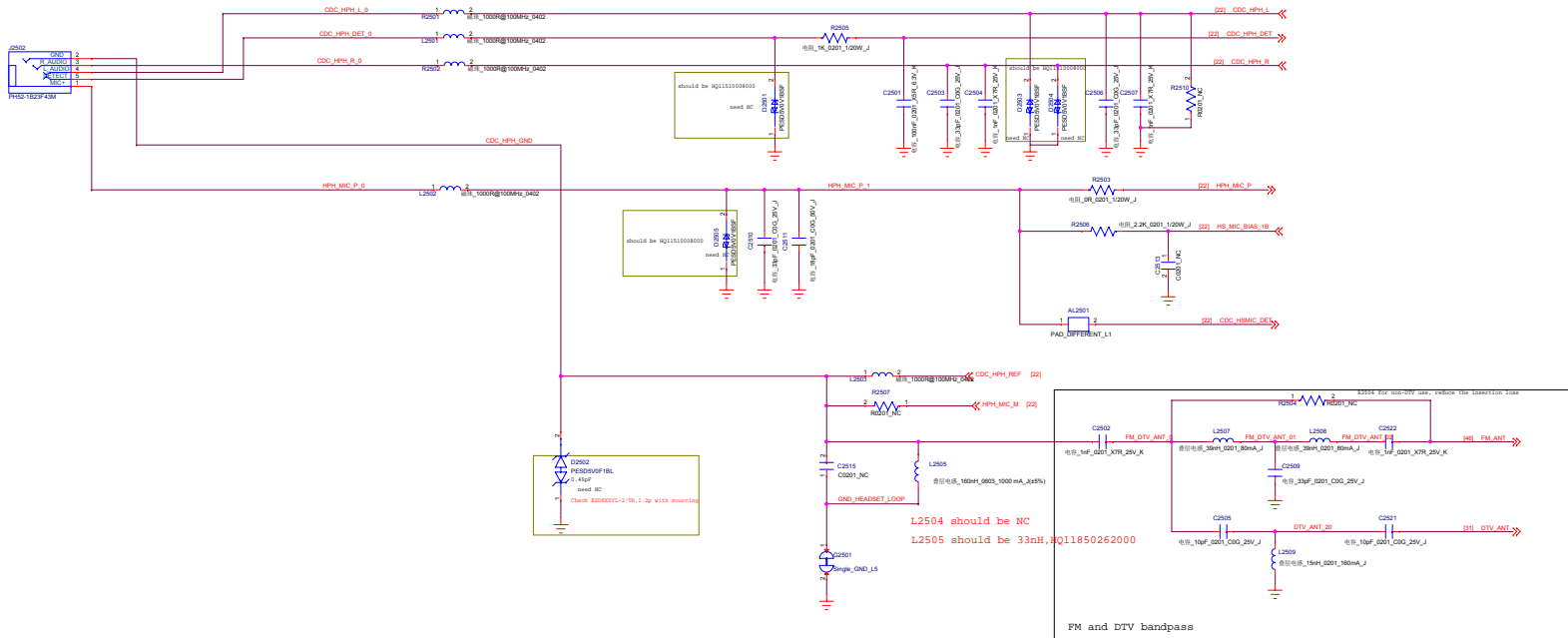




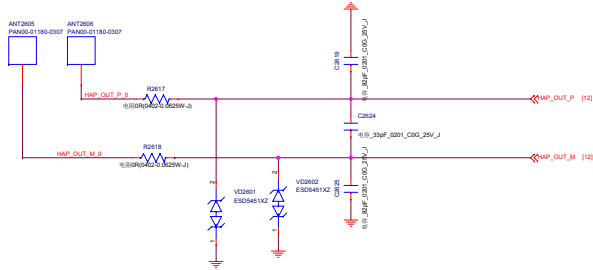


AUDIO\_HEADSET  
REF 2501-2599

AUDIO JACK

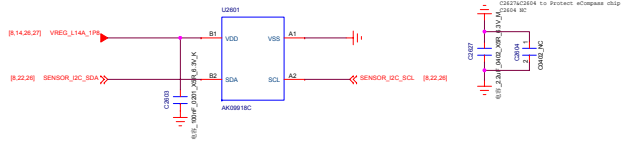


MOTOR

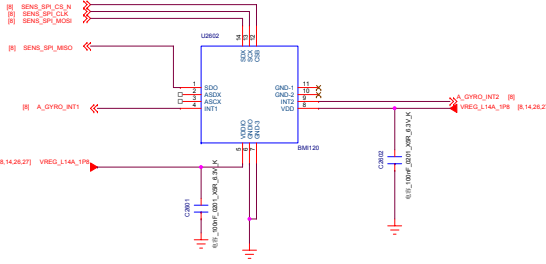


eCOMPASS AK09918C I2C Address:0x0C ( Write:0x18

Read:0x19 )

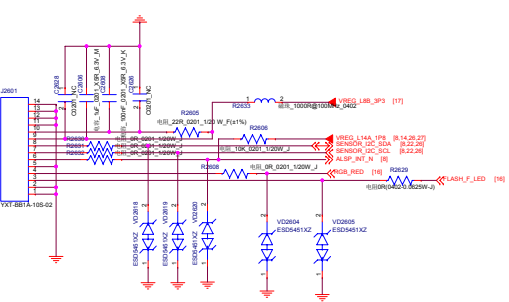


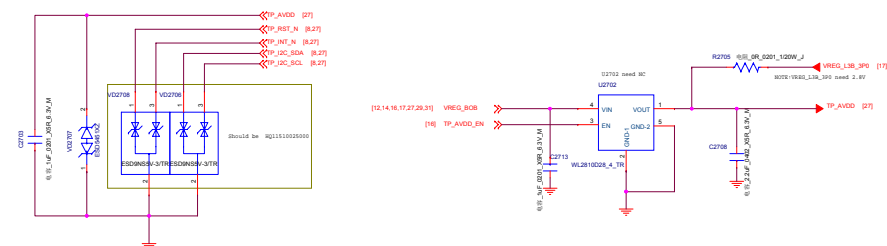
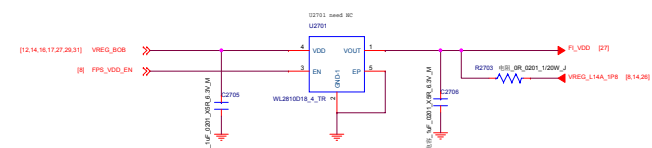
Gyro+G-sensor BMI120 SPI interface



FPC: 1 ALS&PS, 2 SOL LED, 3 Front Flash LED

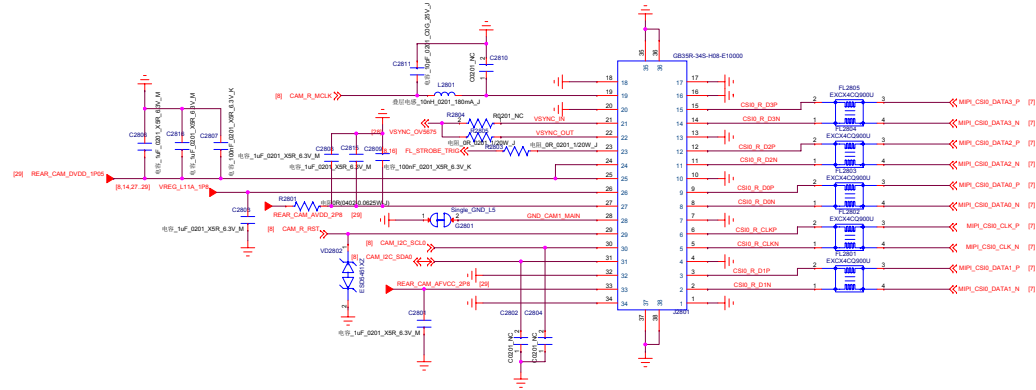
ALS&P:TMD27253 I2C Address:0x39 ( Write:0x72 Read:0x73 )



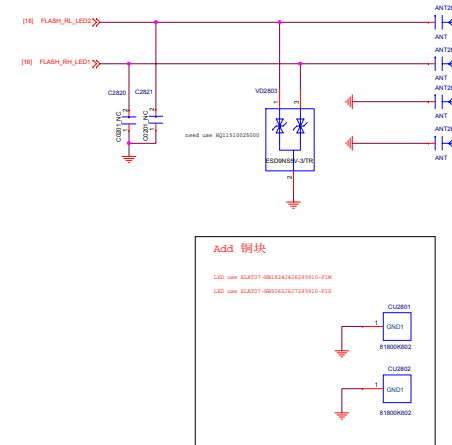


## Rear Cam Inteface

S5K2L7SA-Rear Main CAM    I2C Adress:0x2D    ( Write:0x5A    Read:0x5B )

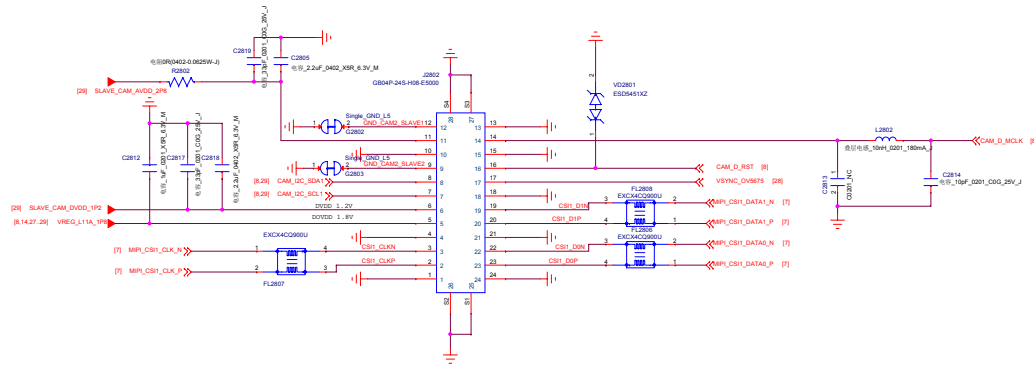


Rear Cam FLASH LED-Dual CCT



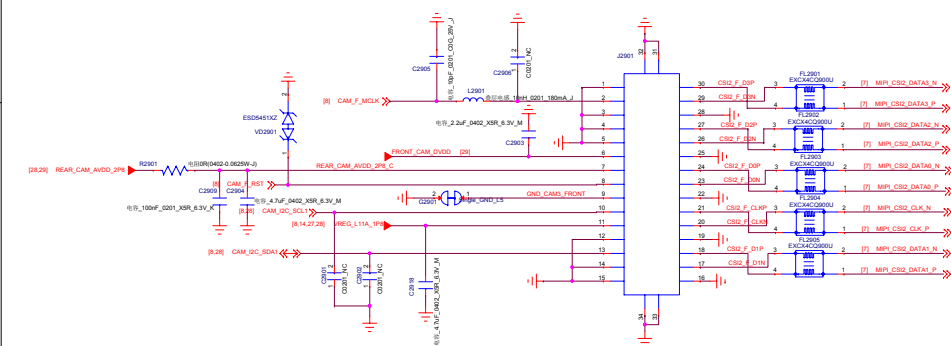
## SLAVE CAMERA

OV5675-Rear Slave Cam    I2C Adress:0x36    ( Write:0x6C    Read:0x6D )



FRONT CAMERA

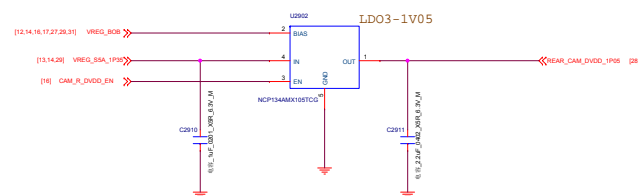
S5K4H7YX-Front Cam			
I2C Adress:	0x10	( Write:	0x20
		Read:	0x21 )



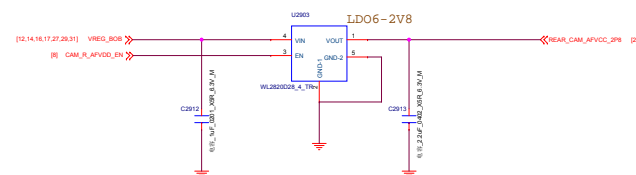
Camera Power Supply Map

Camera Power supply map			
	Front CAM	REAR CAM_MAIN	REAR CAM_SLAVE
DVDD	8M--LD01-1V2 12/20 M--LD02-1V	LD03-1V05	LD01-1V2
AVDD	LD04-2V8		LD05-2V8
IOVDD	VREG_L11A		
AFVDD	/	LD06-2V8 or VREG_L8B	/

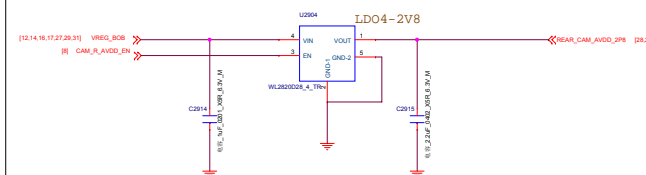
## Rear-Main DVDD 1.05V



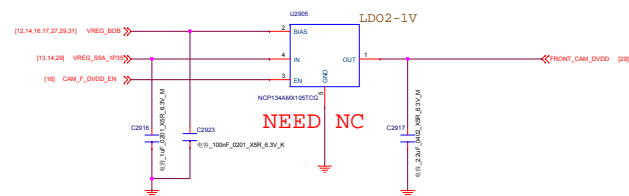
## Rear-Main AFVCC 2.8V



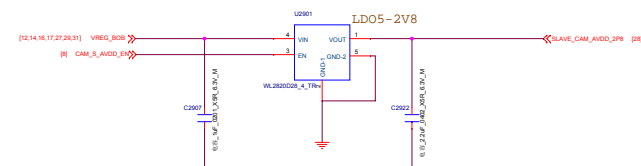
## Rear-Main AVDD 2.8V (also Front AVDD)



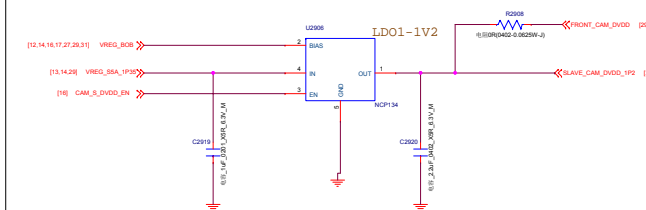
## Front DVDD 1V for Front 16M



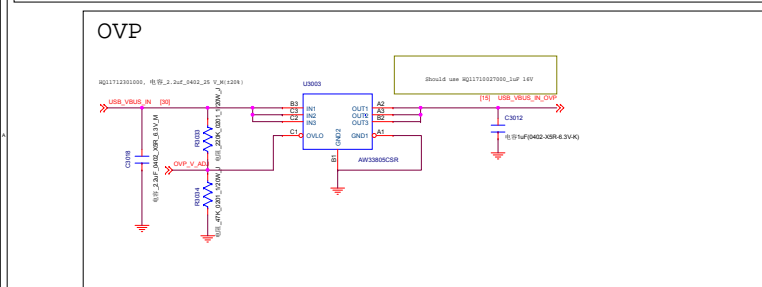
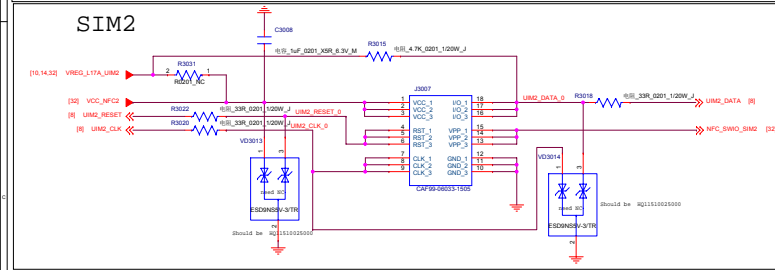
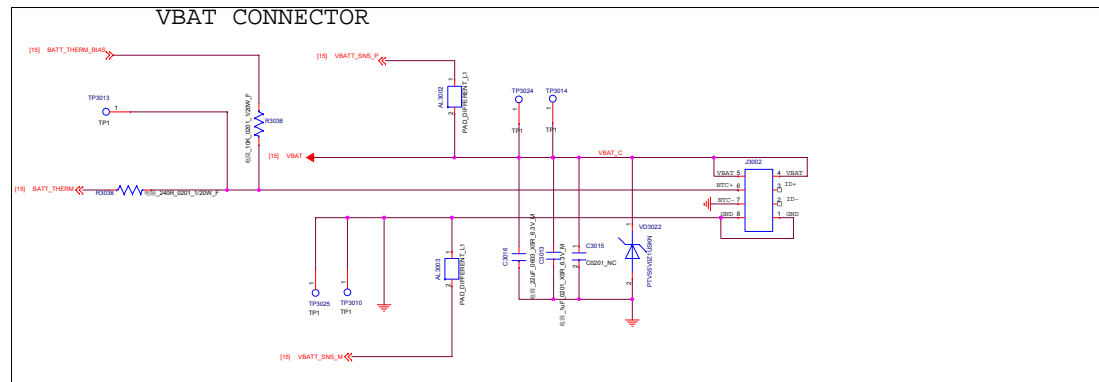
## Rear-Slave AVDD 2.8V

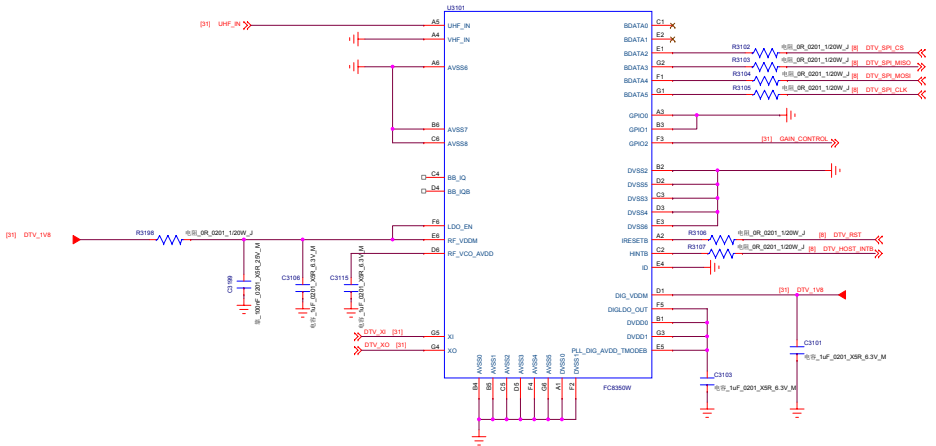
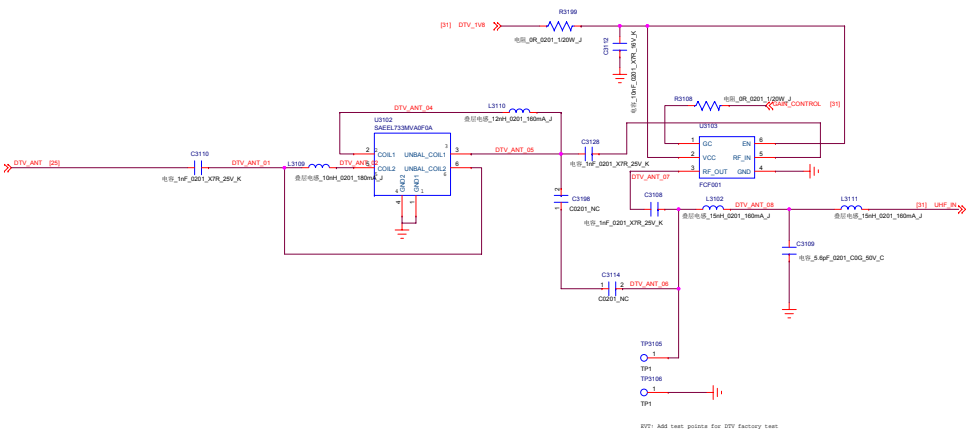


## Rear-Slave DVDD 1.2V (Also 8M Front DVDD)

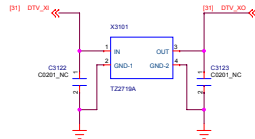


REF 3001-3099

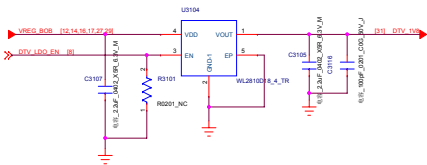
[illegible][illegible][illegible]



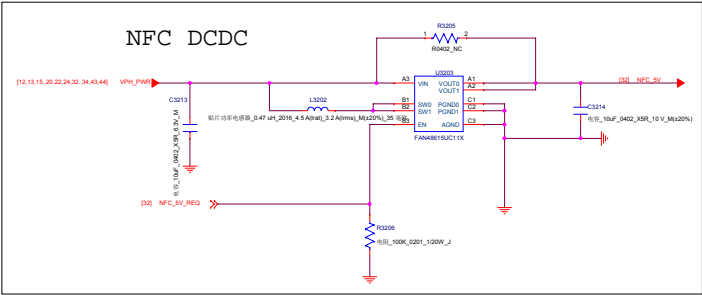
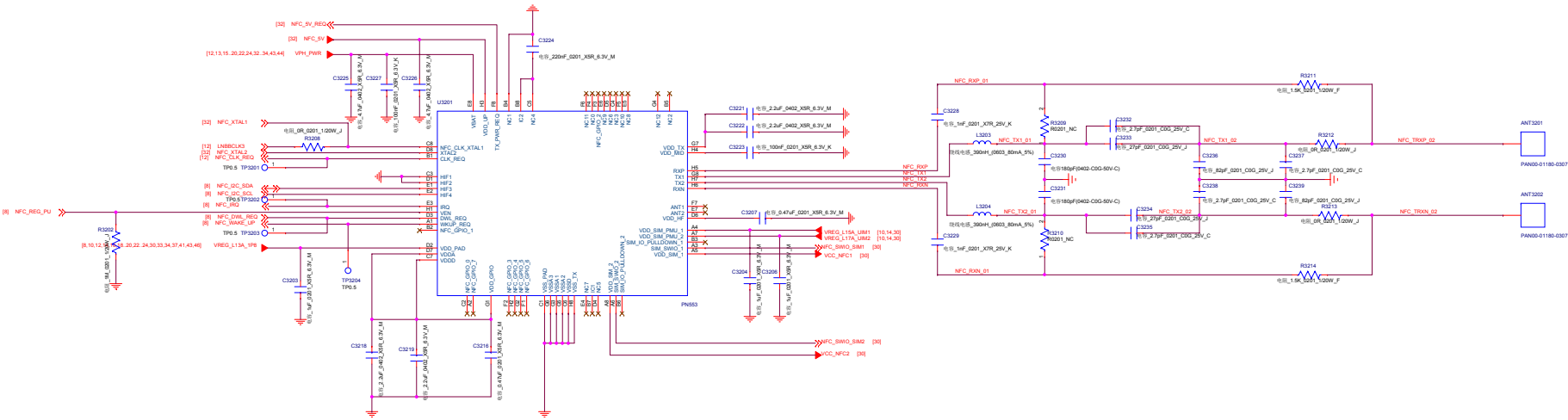
26MHz crystal



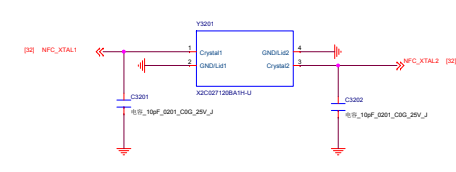
DTV LDO 1.8V



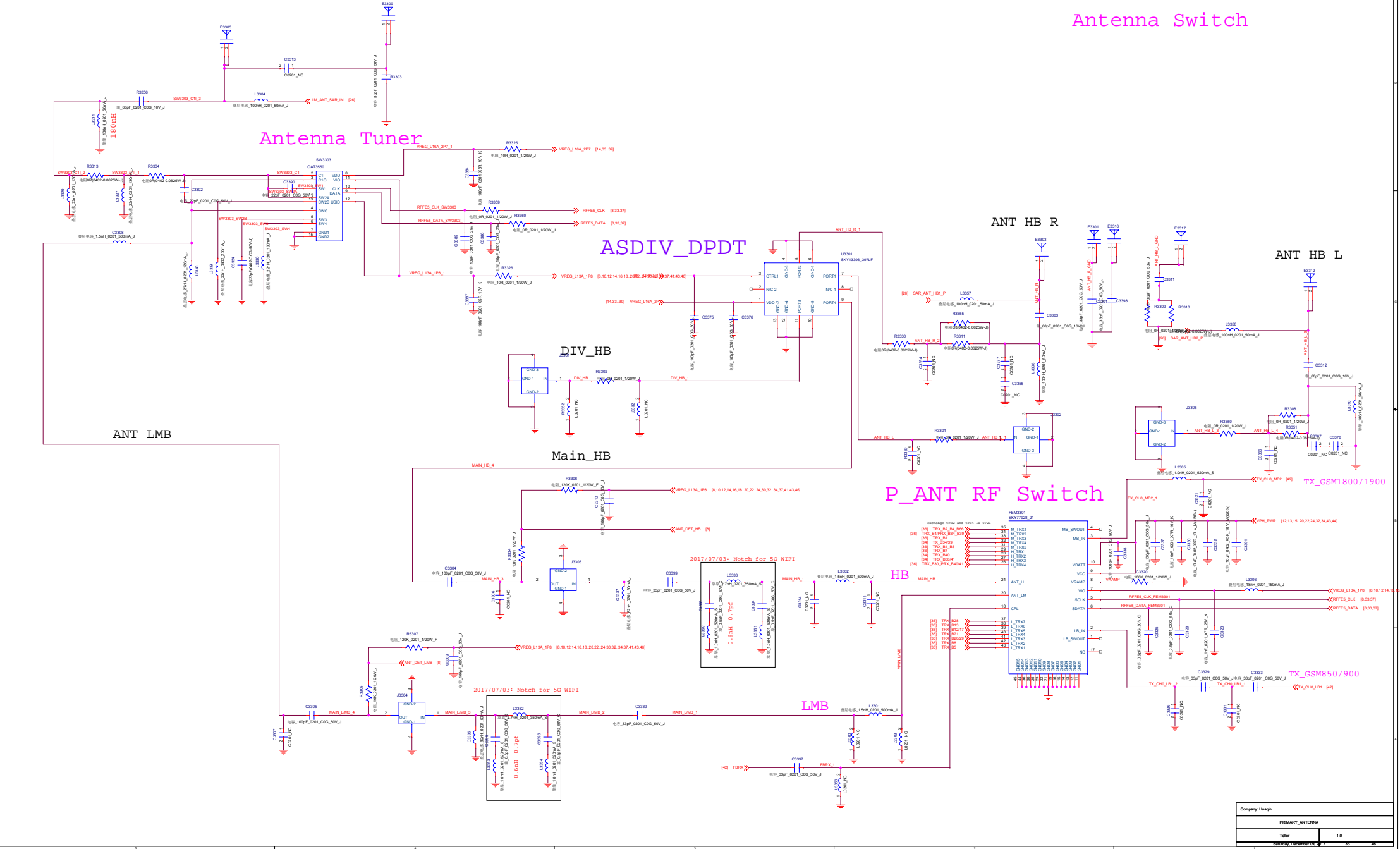
PN553 I2C Adress:0x28 ( Write:0x50 Read:0x51 )



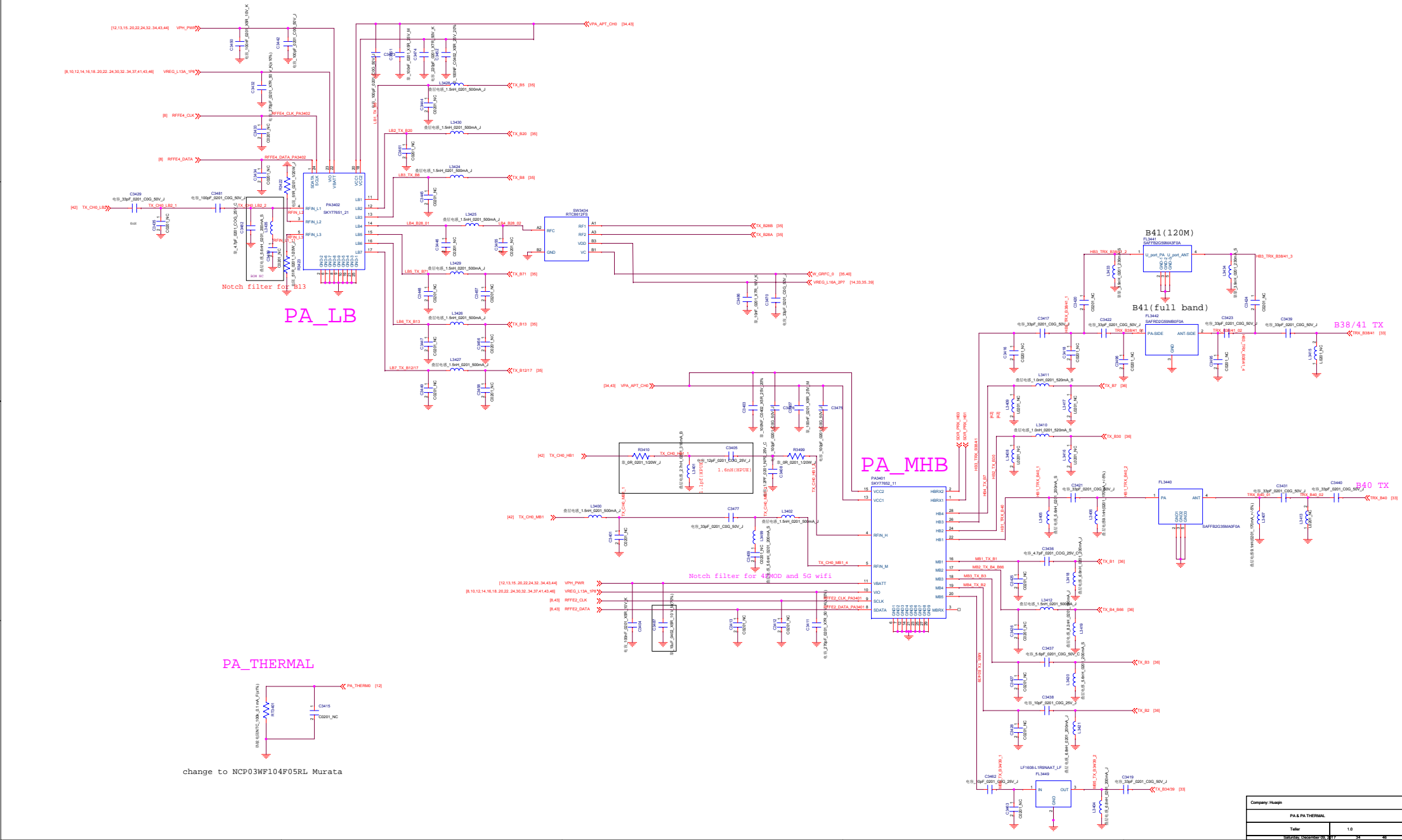
27.12MHz Crystal





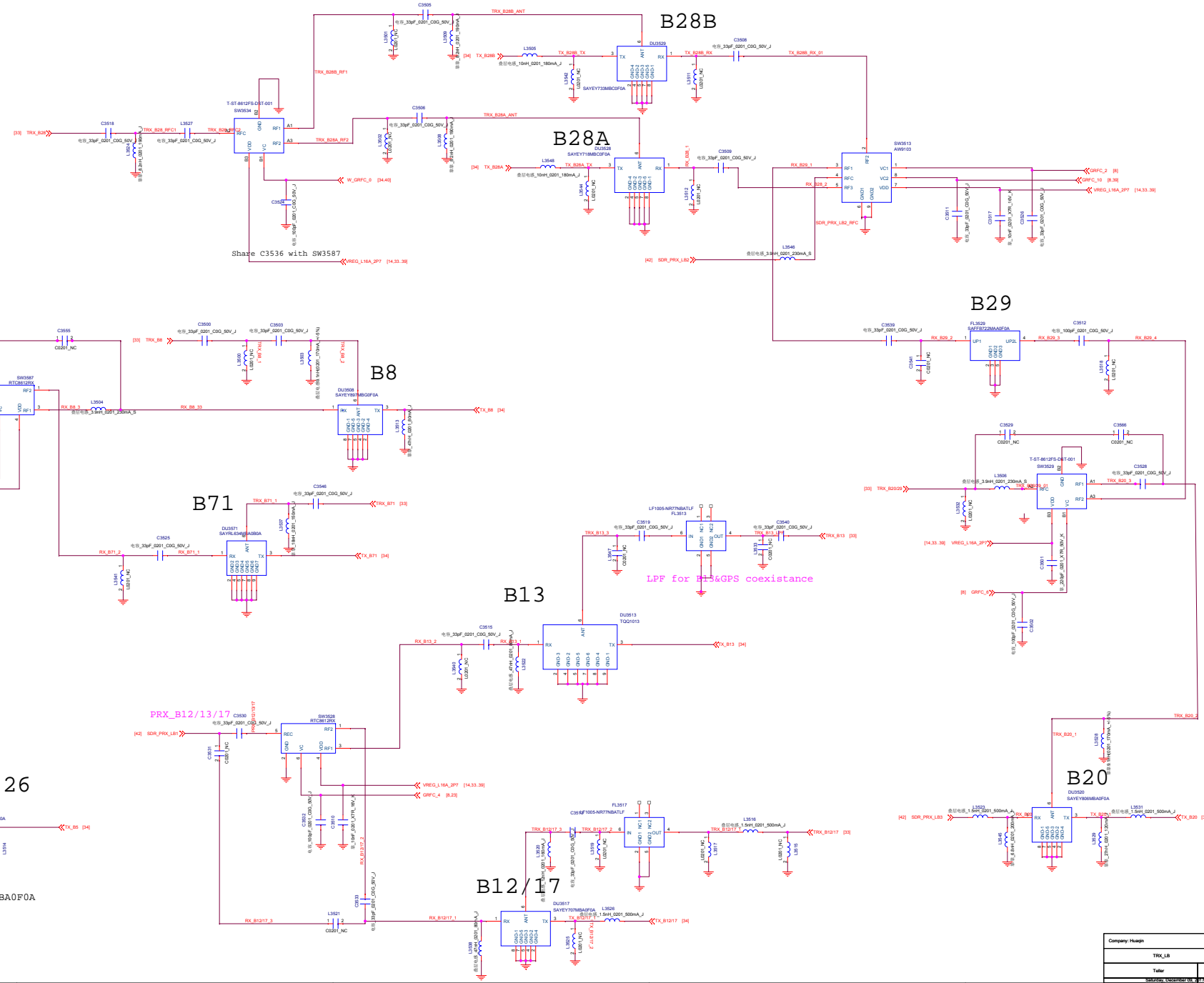


REF 3401-3499



Company: Hualin		
PA & PA THERMAL		
Taller	1.0	
Saturday, December 09, 2017	34	48

TRX\_LB



B2 DPX

B34/39 PRx

B25/B66 QPX

PRX\_B4

B30 DPX

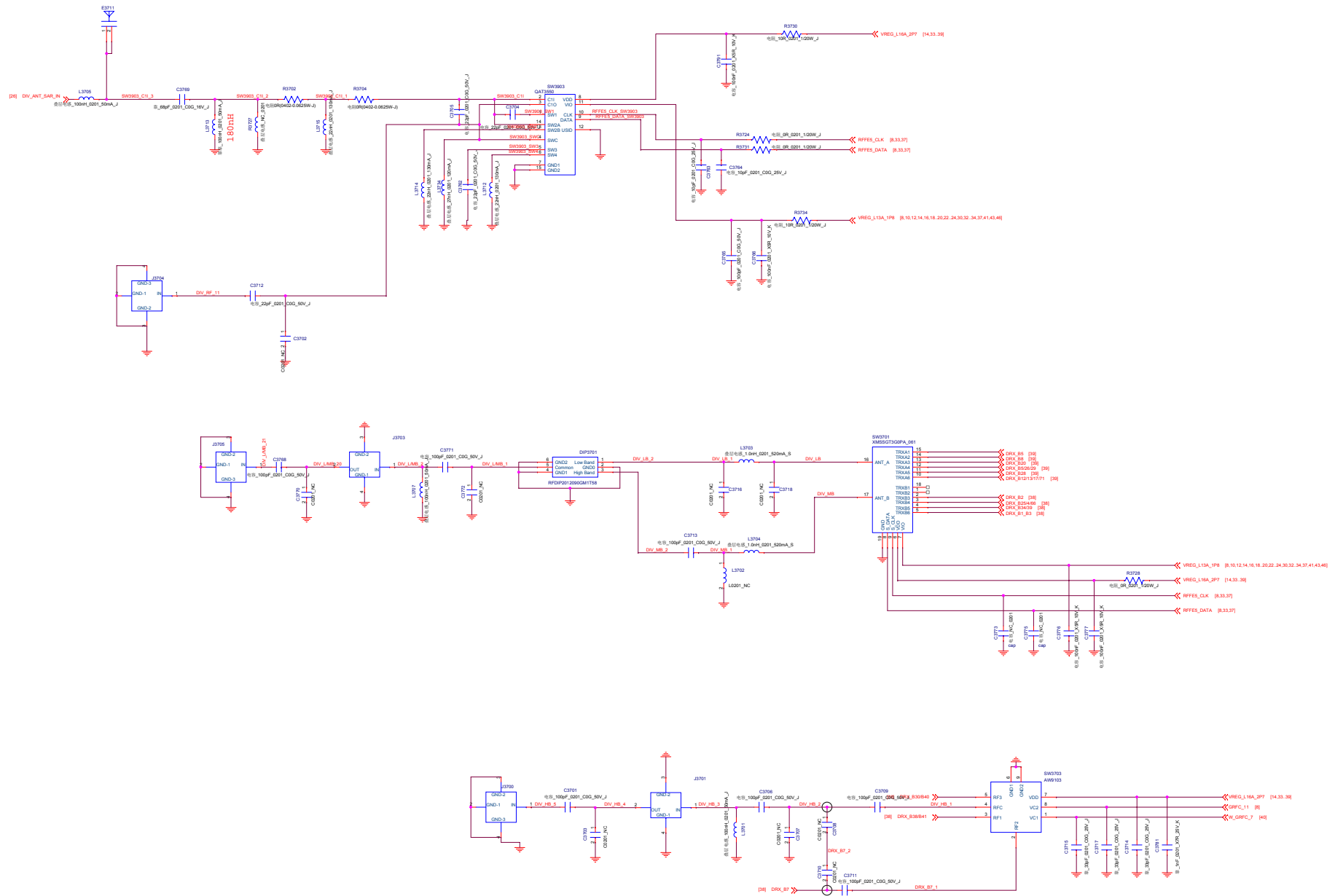
B3 DPX

B1/B3 QPX

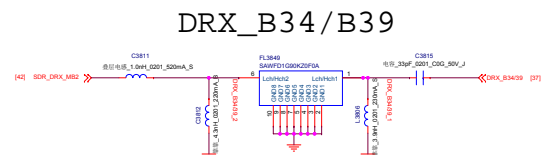
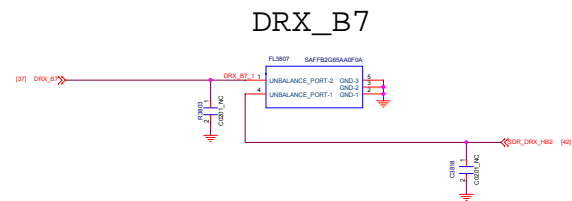
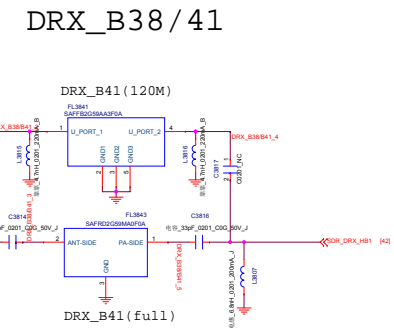
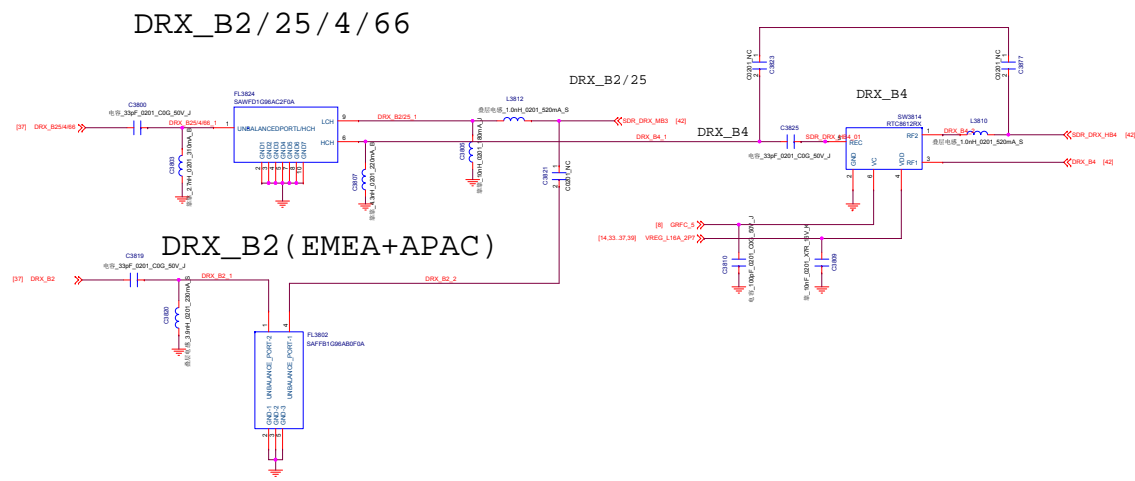
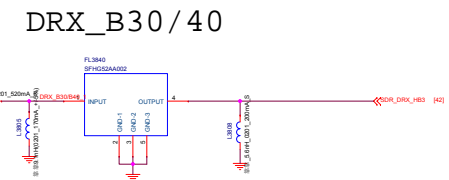
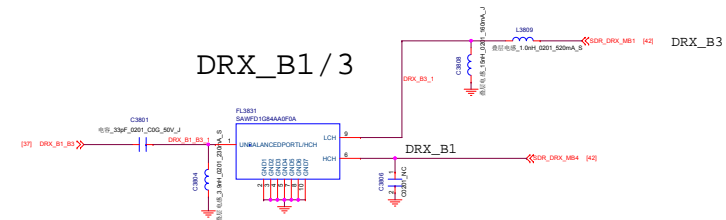
B1 DPX

B7 DPX

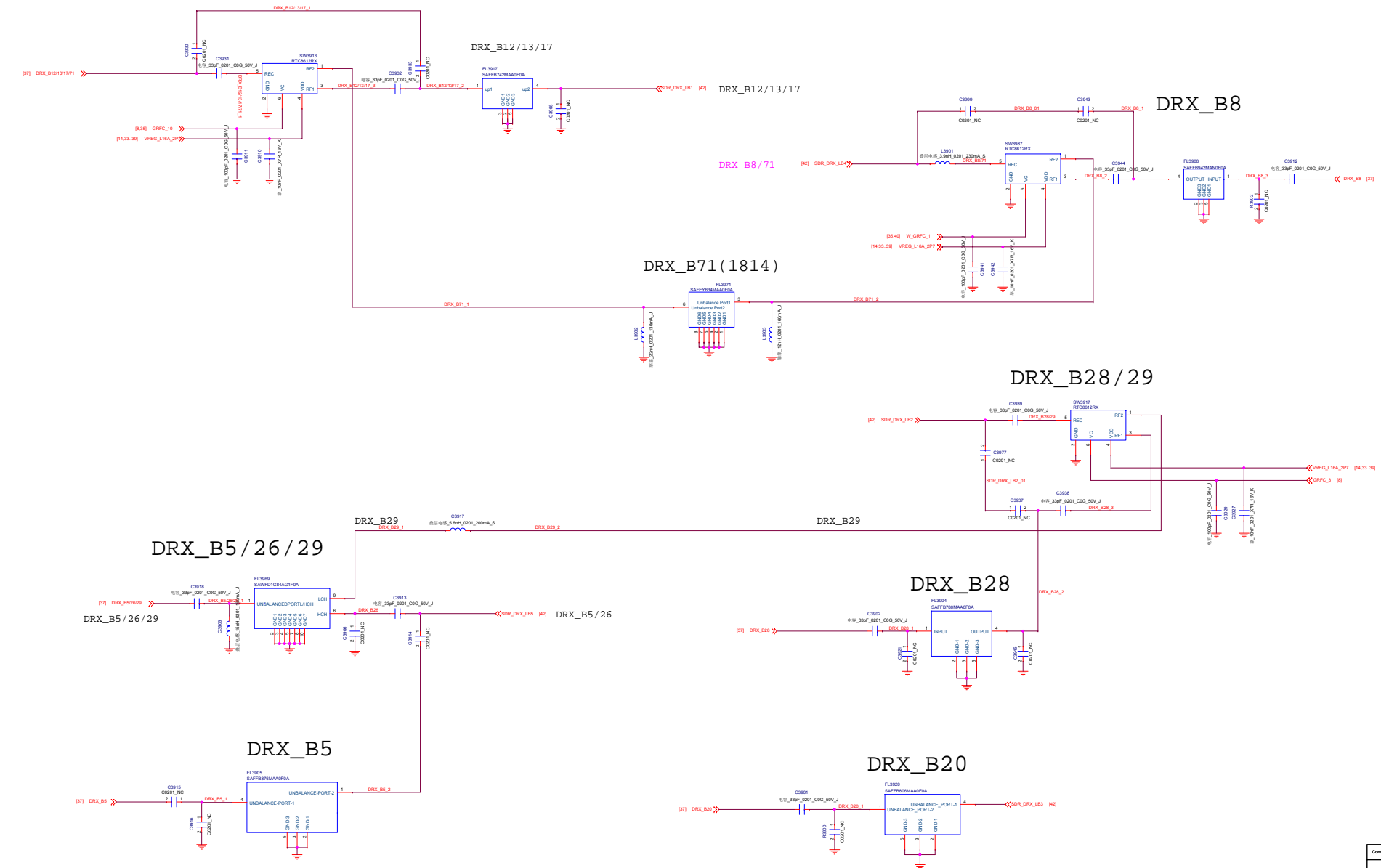
## DIVERSIT\_ANT

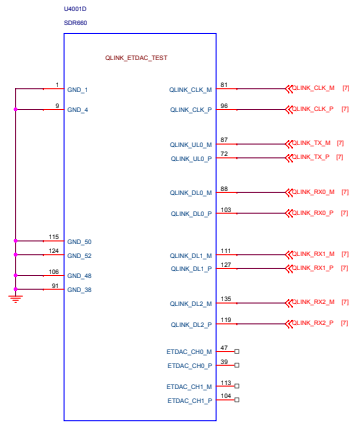
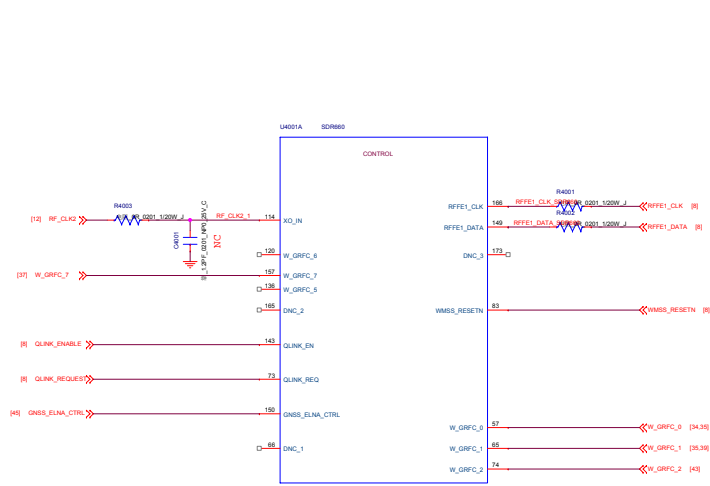


## DRX\_MB\_HB



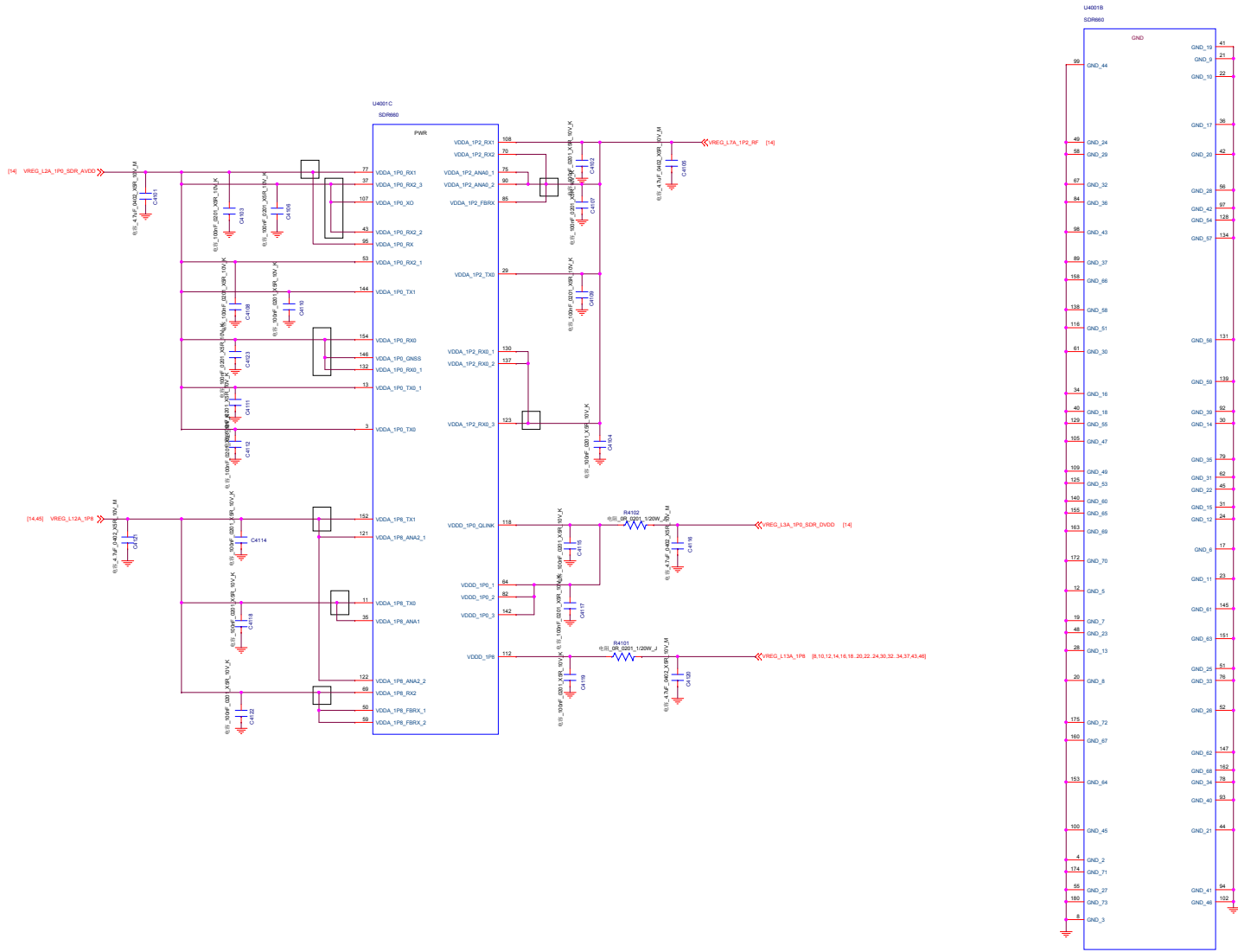
## DRX\_LB



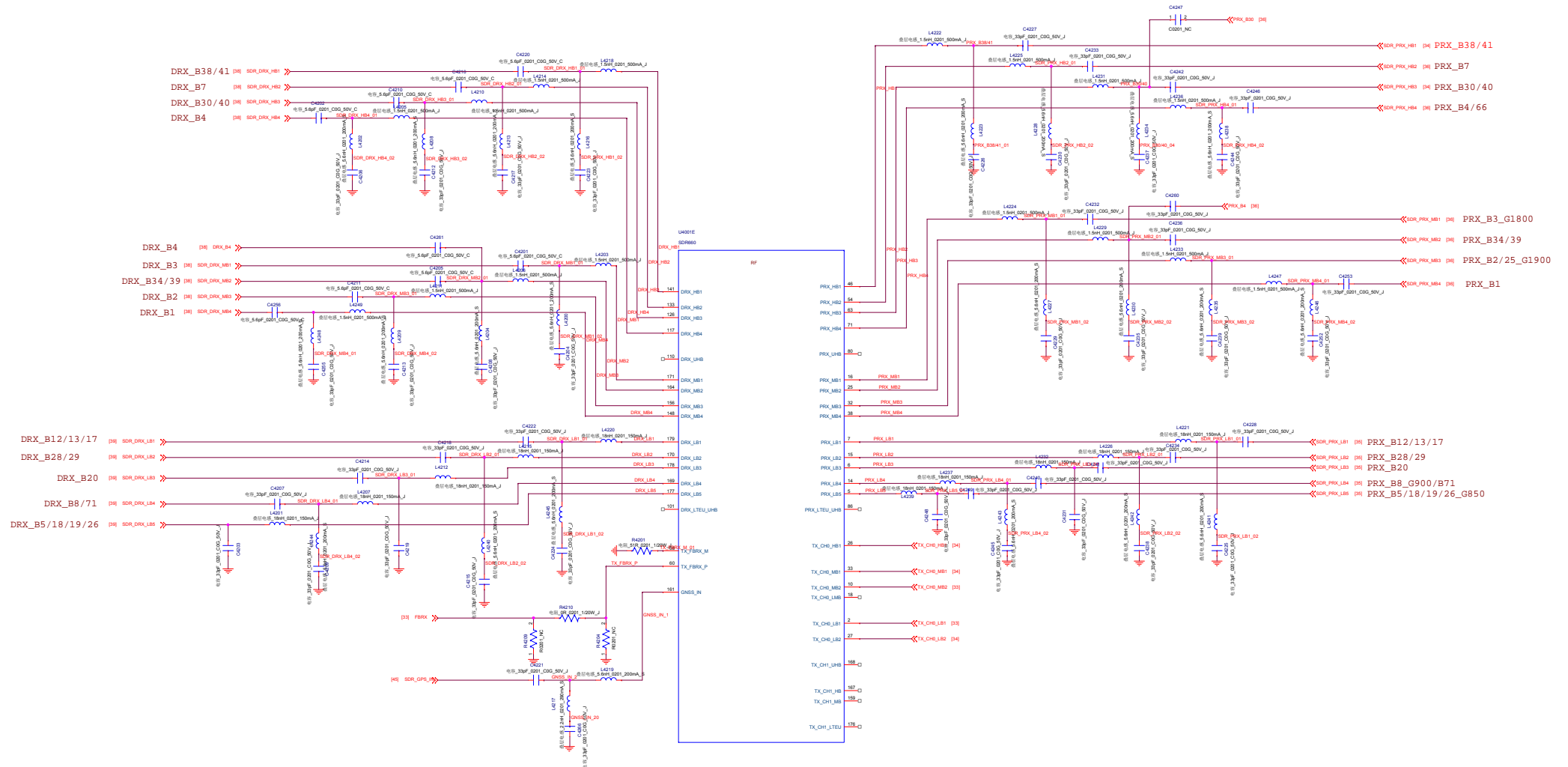




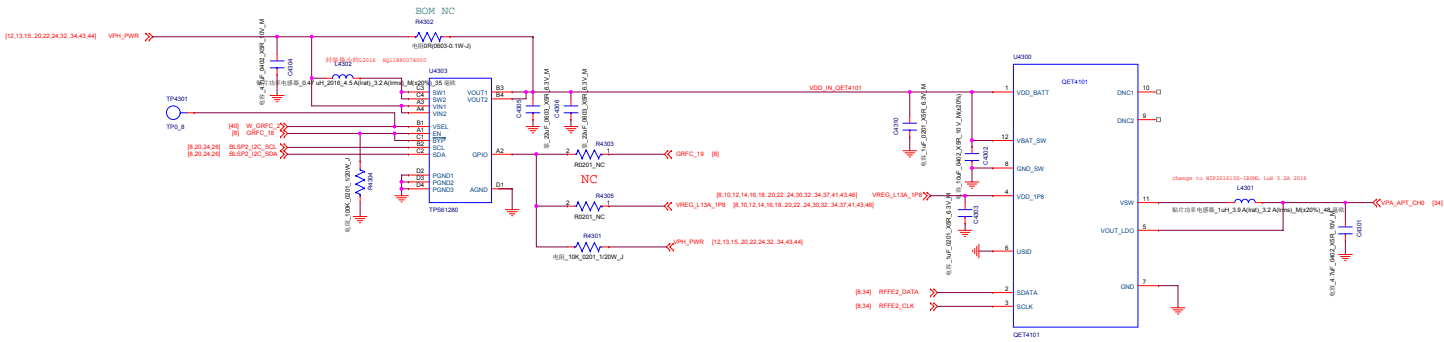
SDR660\_PWR



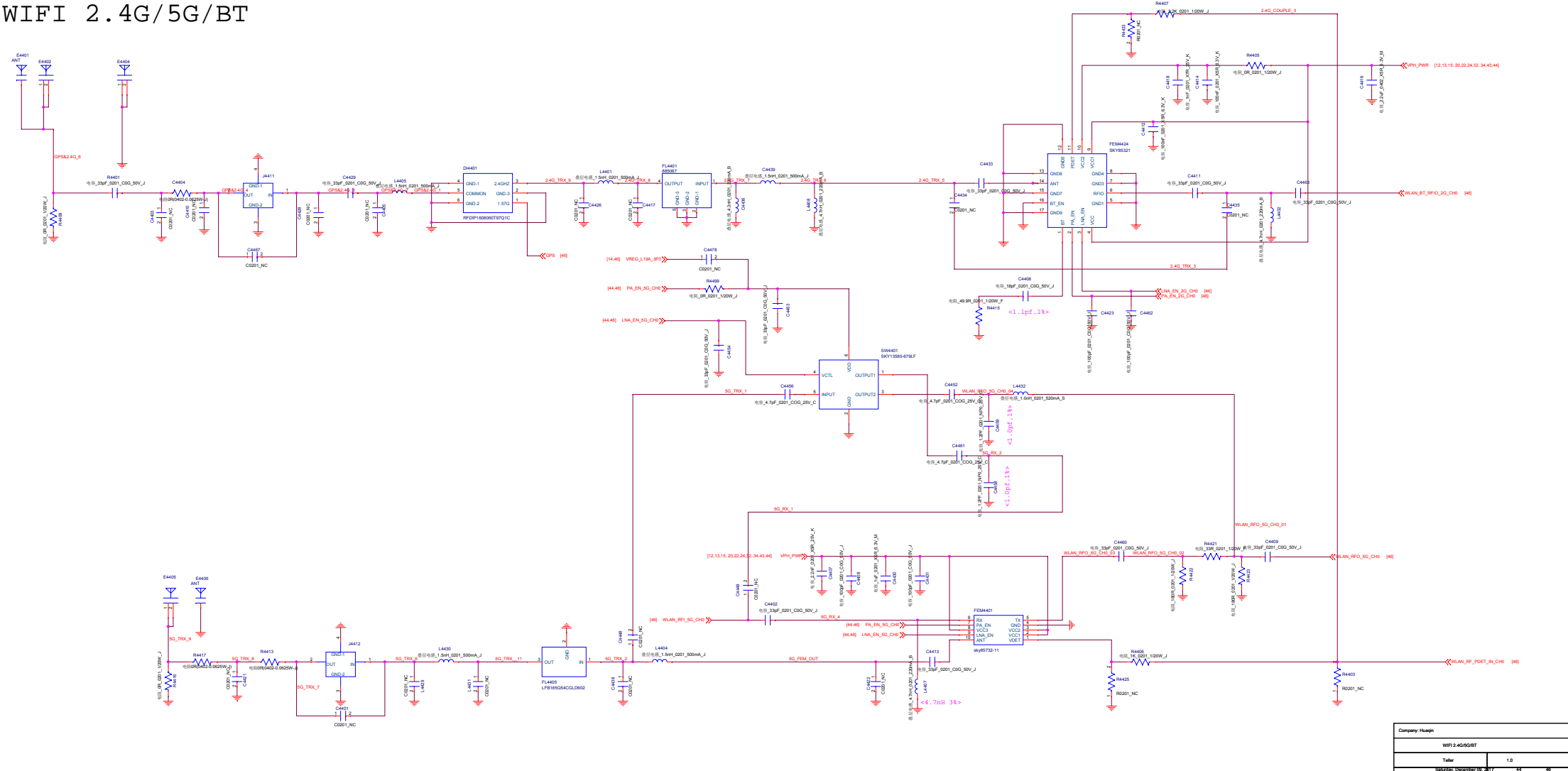
## SDR660\_DA/PRX/DRX/FBRX

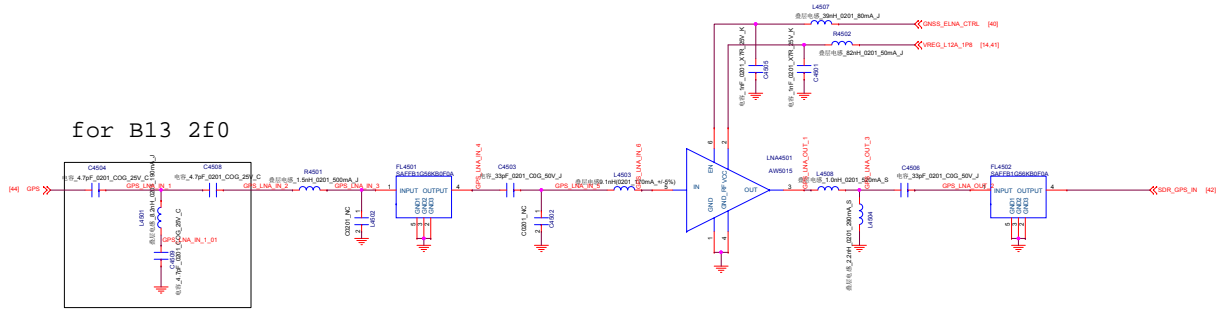


QET4101 & HPUE Boost



## WIFI 2.4G/5G/BT





## WCN\_3980

