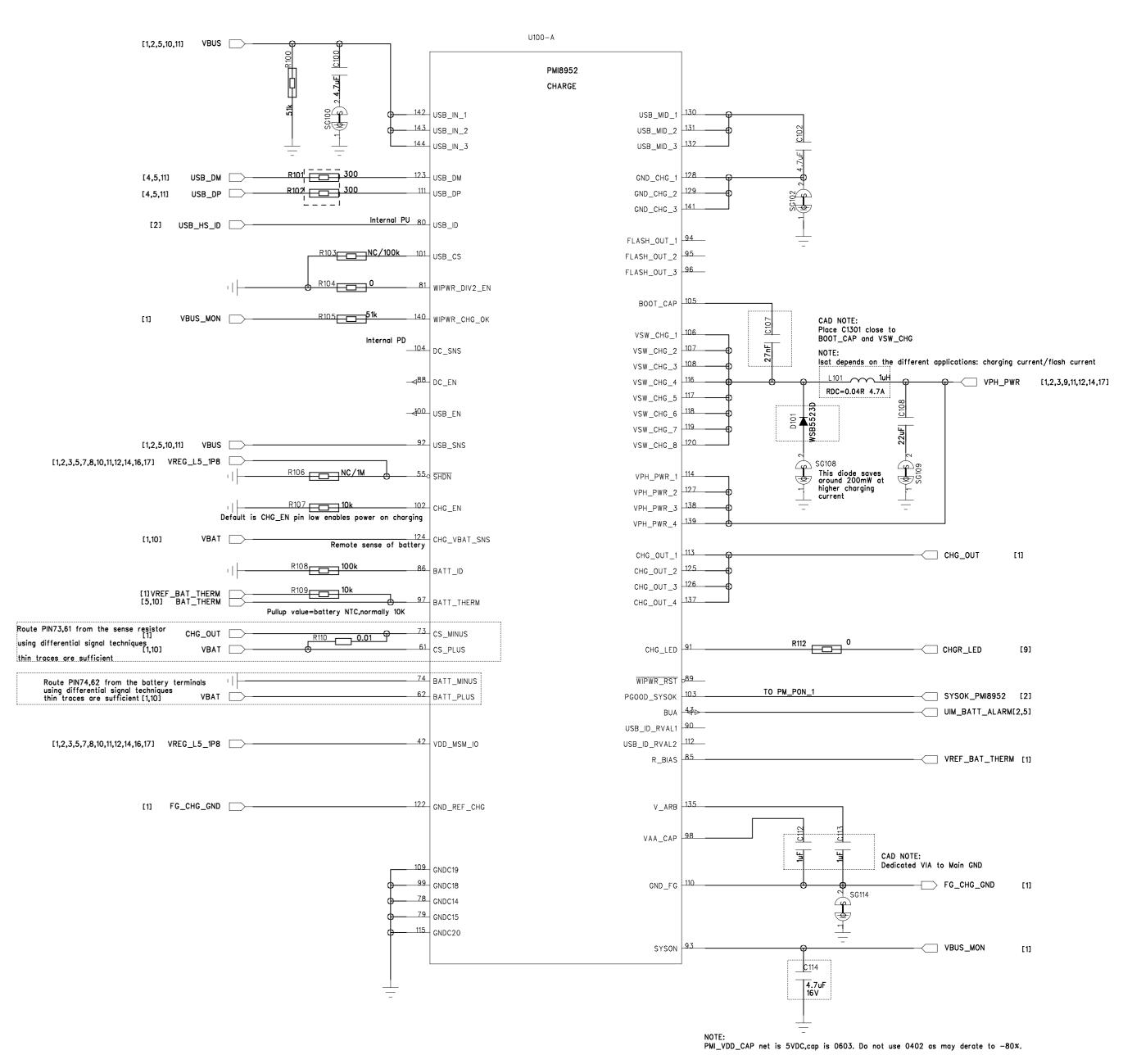
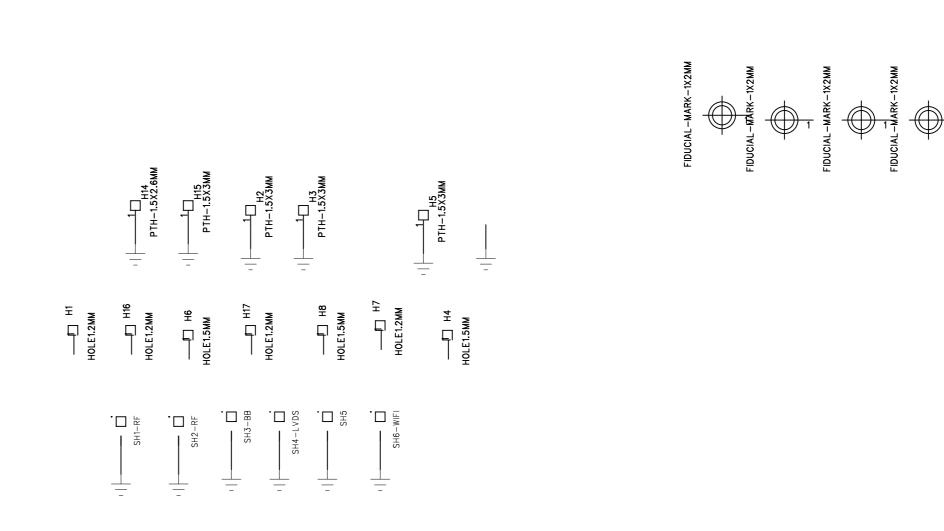


#### PMI8952 CHARGE





VER.

DATED

SHEET

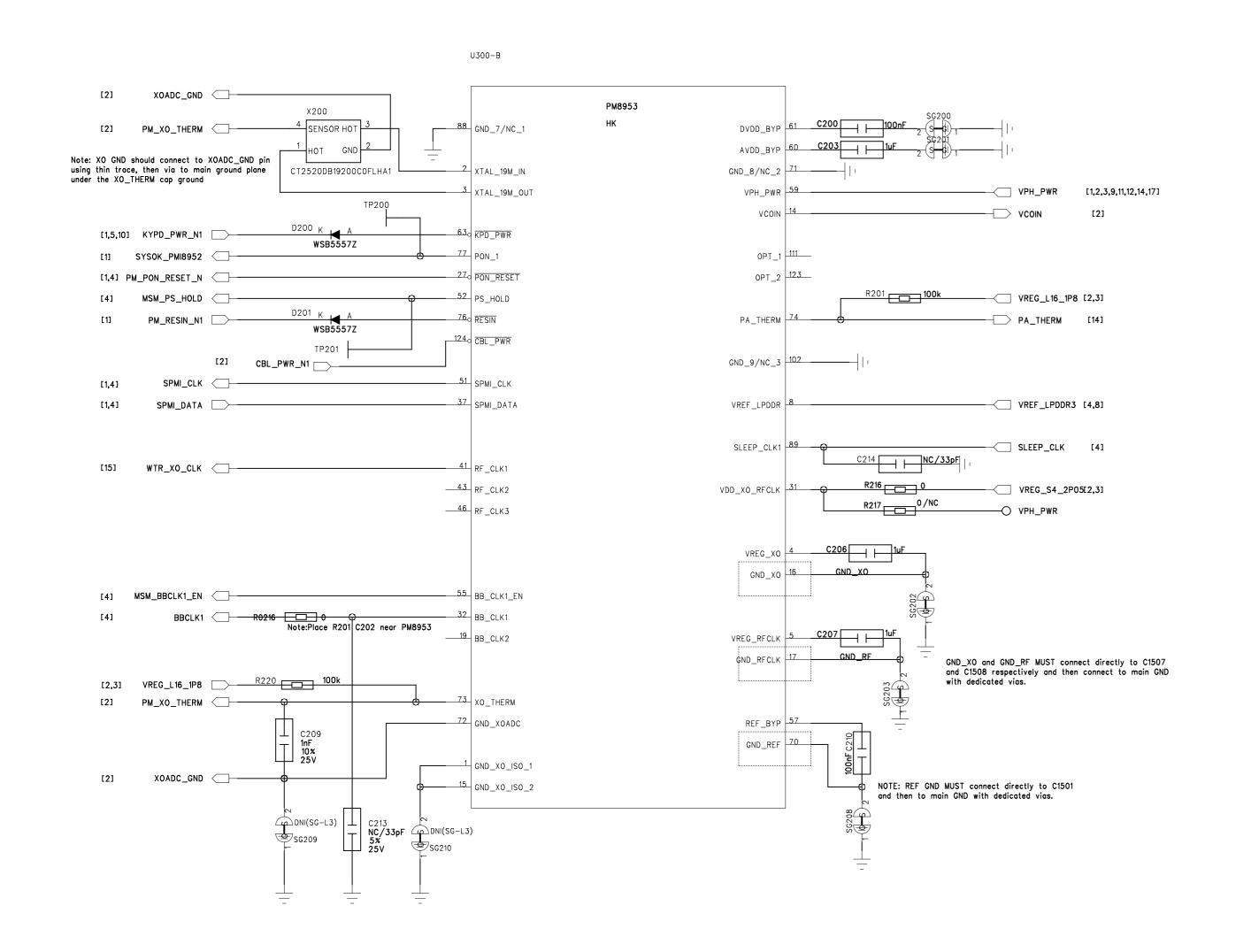
MODEL

TITLE

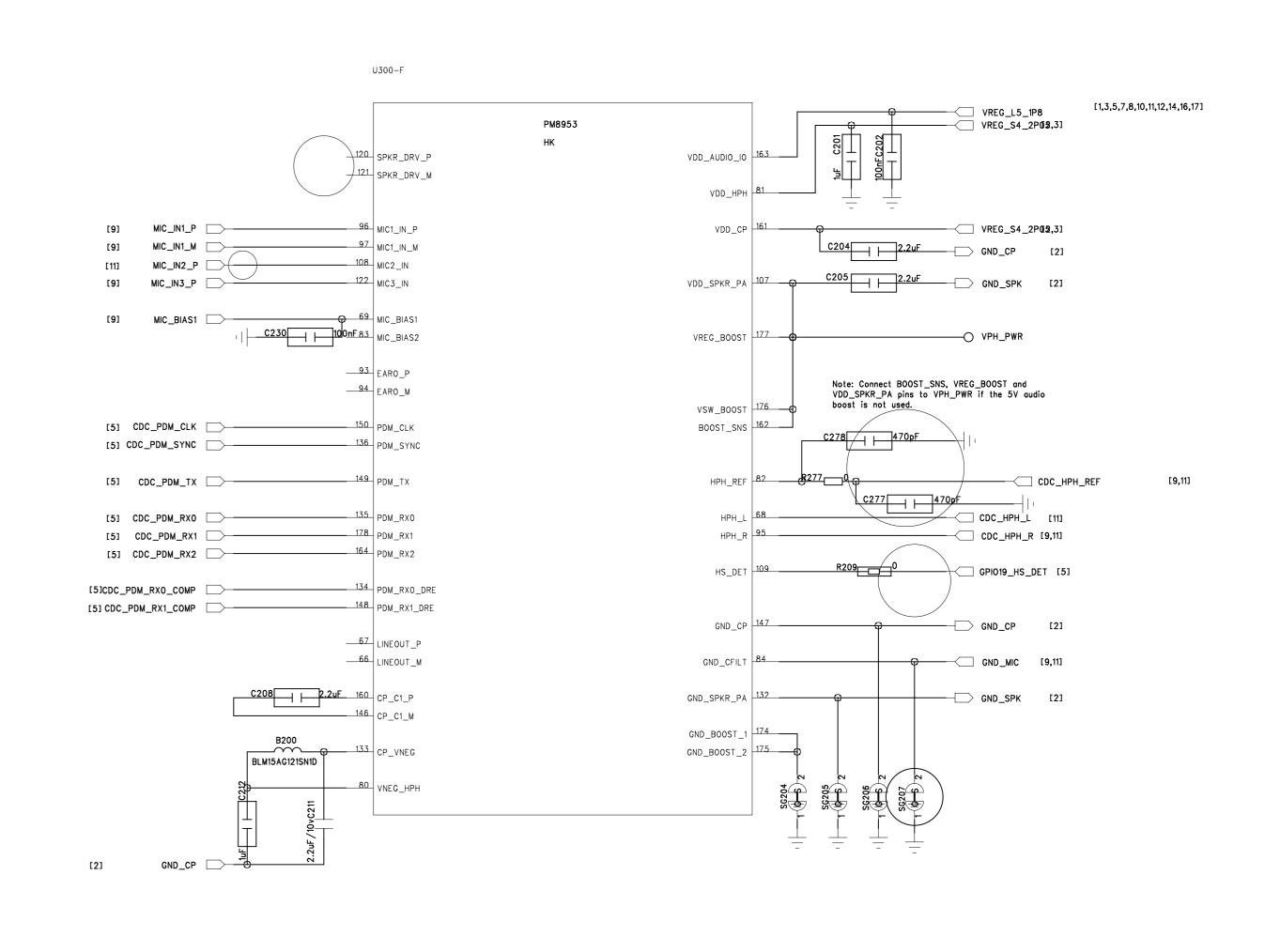
DRÄWN

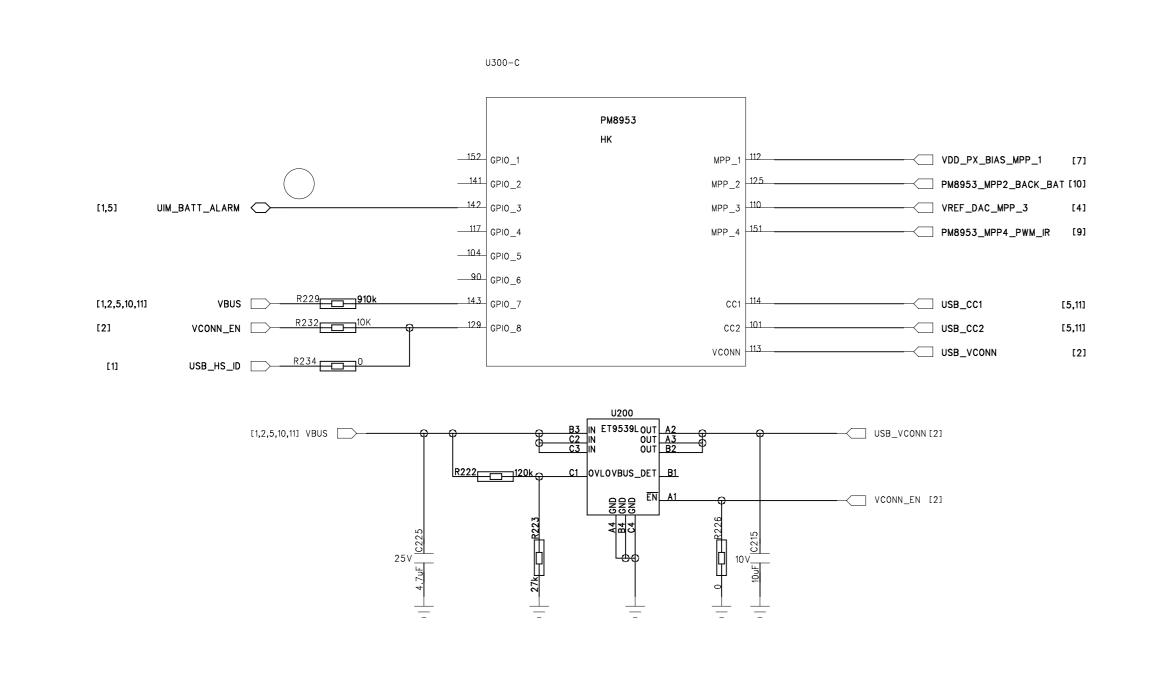
CHECKED

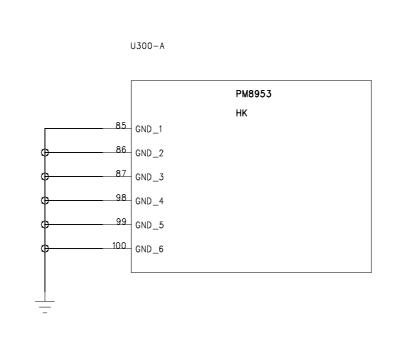
#### PM8953 CONTROL

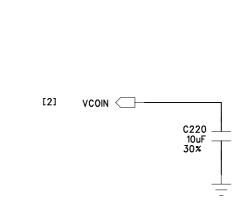


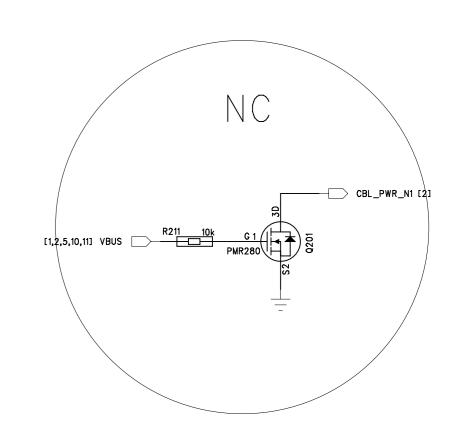
#### PM8953 CODEC





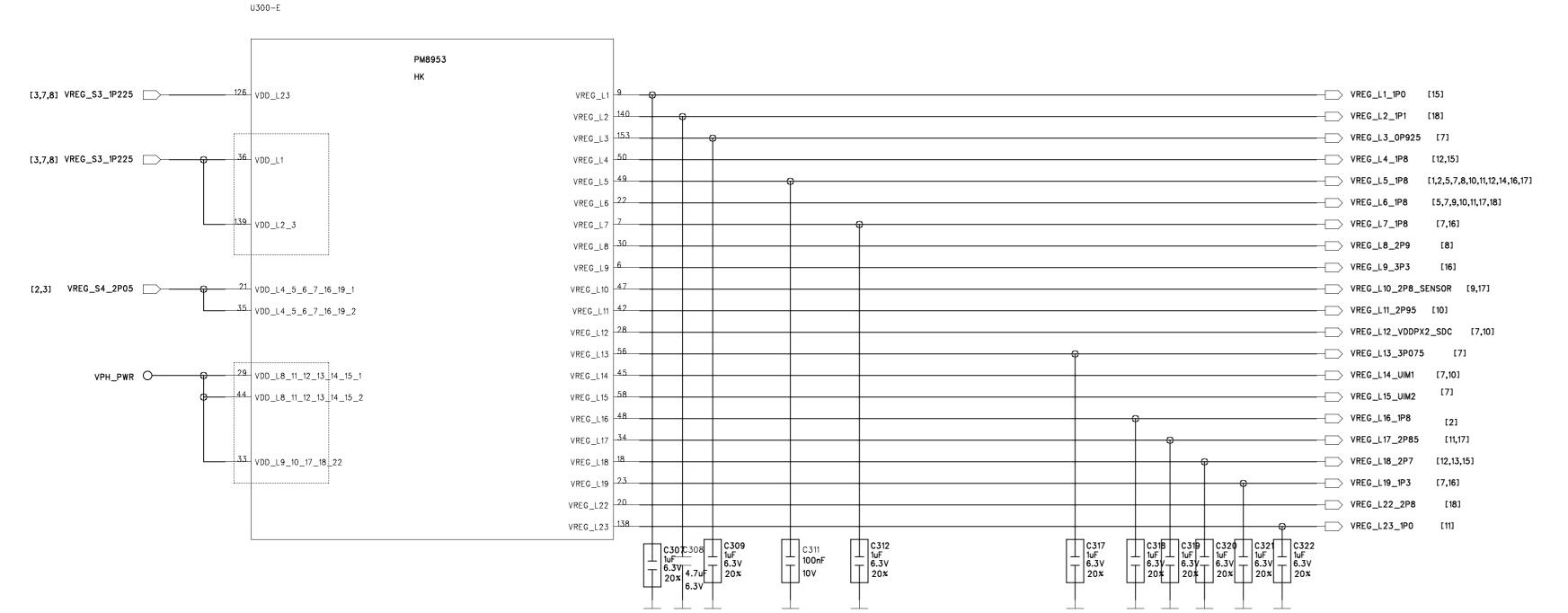




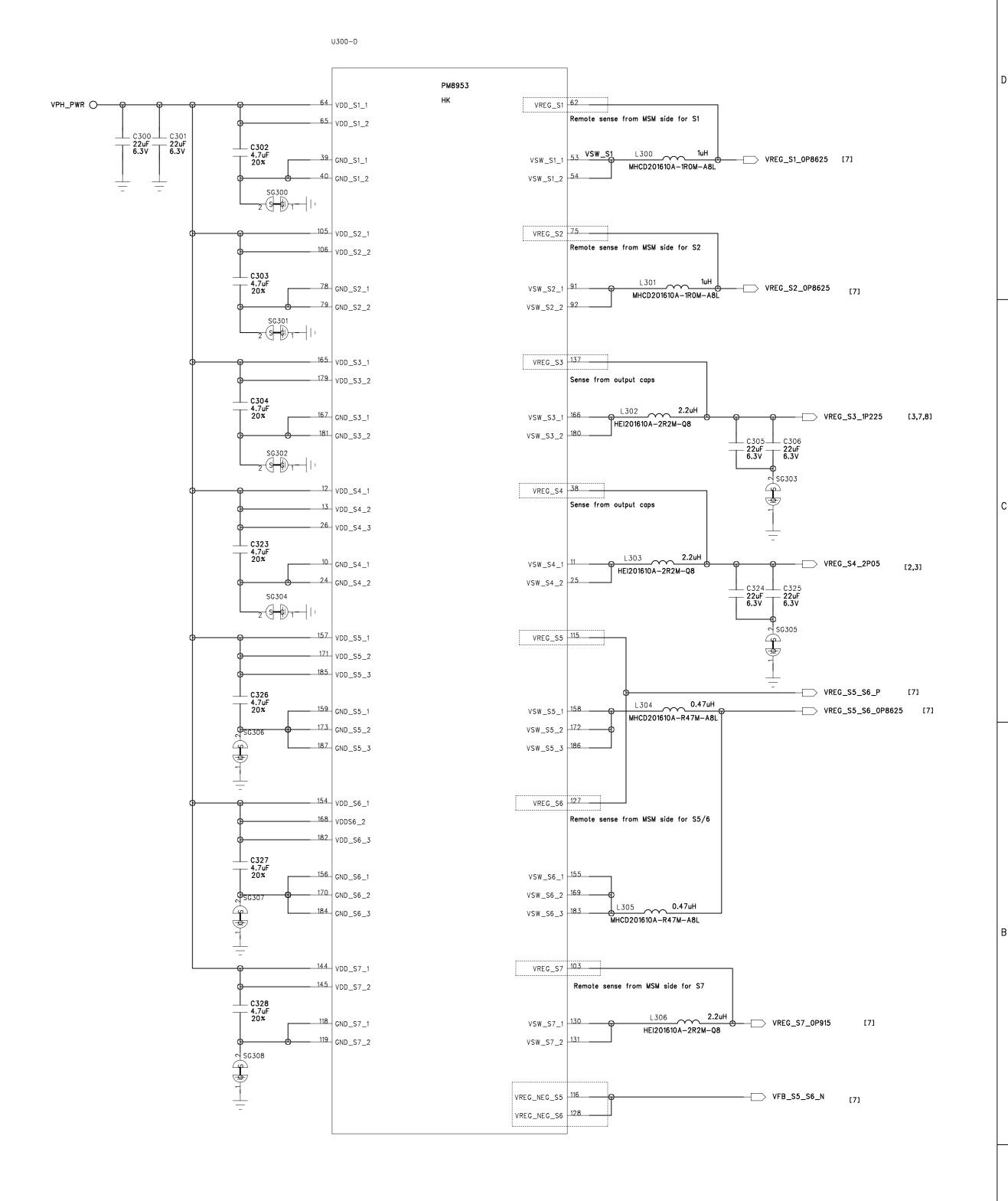


MODEL	VER.	
TITLE		
DRÄWN	DATED	
CHECKED	SHEET	





#### PM8953 BUCK



MODEL	VER.	V1.00
TITLE		
DRÄWN	DATED	
CHECKED	SHEET	

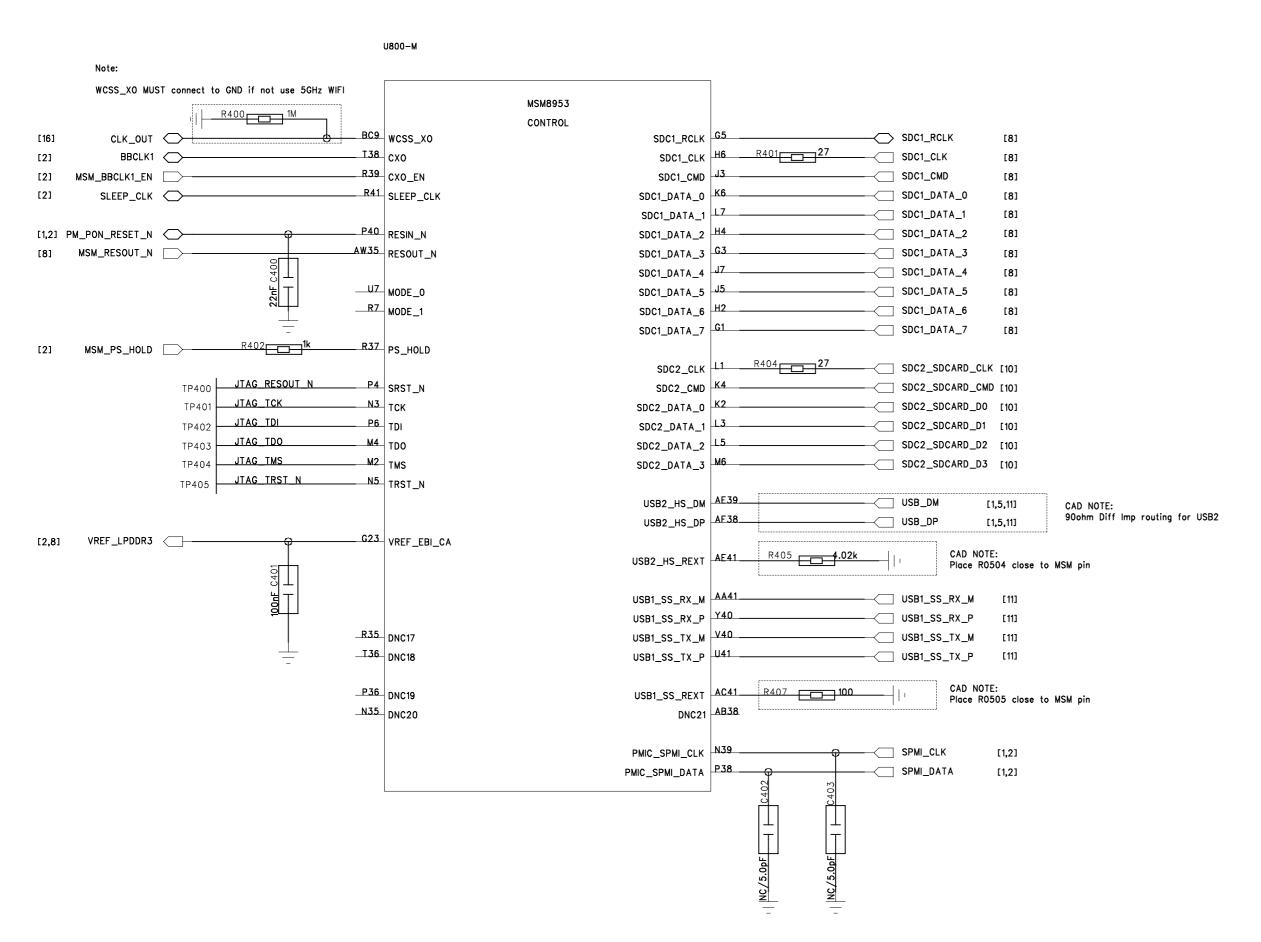
#### MSM8953\_CONTROL

4

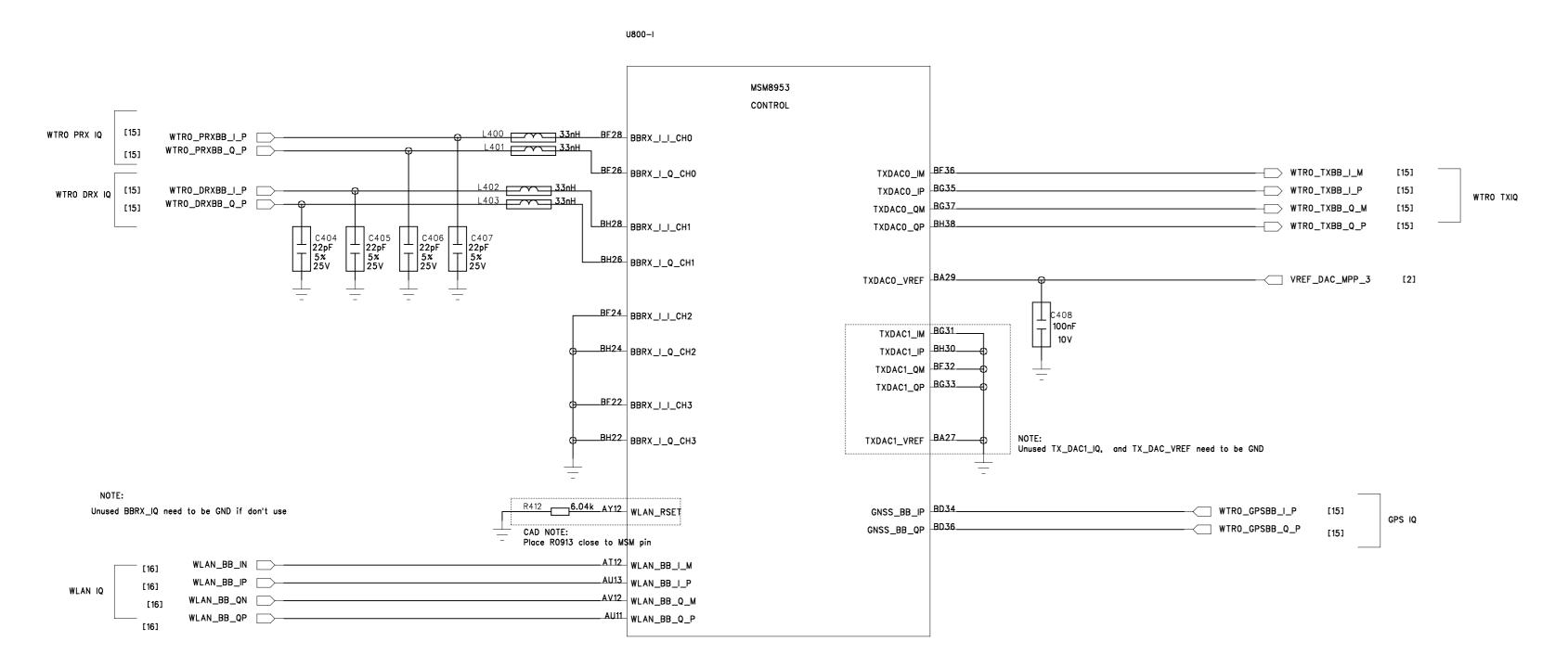
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5

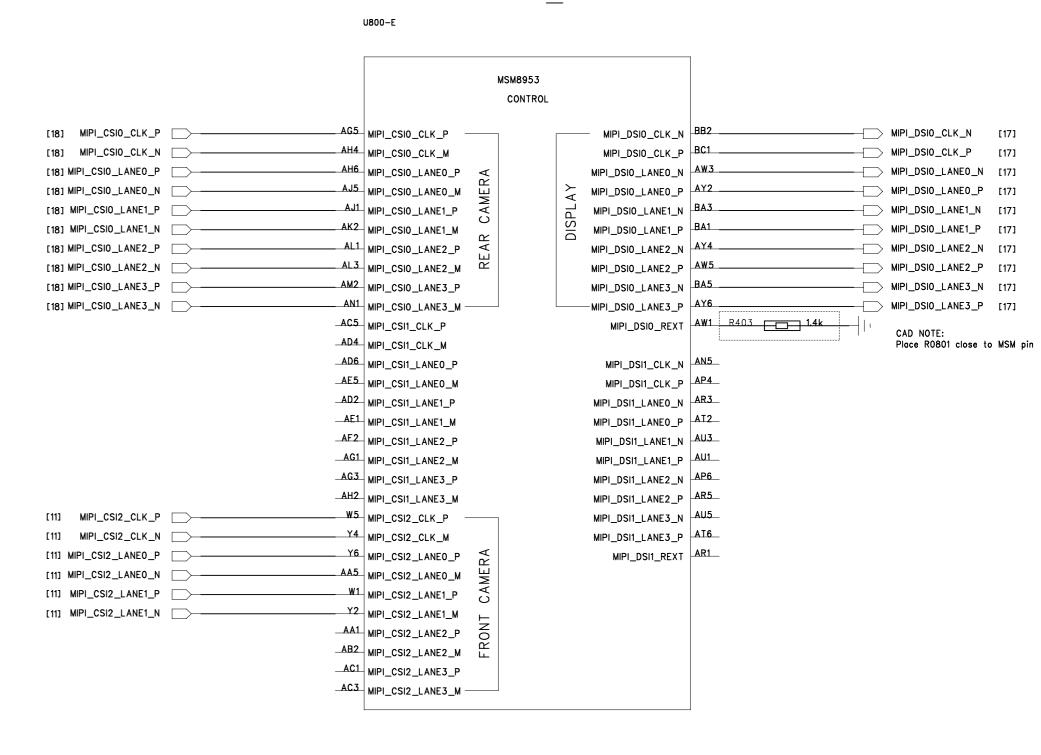
6



#### MSM8953\_RF



#### MSM8953\_MIPI



CSI Pin Name	CSI DPHY 4-lane	CSI DPHY 2+1 Mode	CSI CPHY 3Phase Mode
CSIO_3PHASE_PINO	CSIO_CLKP	CSIO_2LANE_CLKP	NC
CSIO_3PHASE_PIN1	CSIO_CLKN	CSIO_2LANE_CLKN	CSIO_TRIO_A
CSIO_3PHASE_PIN2	CSIO_DPO	CSIO_2LANE_DPO	CSIO_TRIO_B
CSIO_3PHASE_PIN3	CSIO_DNO	CSIO_2LANE_DNO	CSIO_TRIO_C
CSIO_3PHASE_PIN4	CSIO_DP1	CSIO_2LANE_DP1	CSIO_TRI1_A
CSIO_3PHASE_PIN5	CSIO_DN1	CSIO_2LANE_DN1	CSIO_TRI1_B
CSIO_3PHASE_PIN6	CSIO_DP2	CSIO_1LANE_DPO	CSIO_TRI1_C
CSIO_3PHASE_PIN7	CSIO_DN2	CSIO_1LANE_DNO	CSIO_TRI2_A
CSIO_3PHASE_PIN8	CSIO_DP3	CSIO_1LANE_CLKP	CSIO_TRI2_B
CSIO_3PHASE_PIN9	CSIO_DN3	CSIO_1LANE_CLKN	CSIO_TRI2_C
CSI1_3PHASE_PIN0	CSI1 CLKP	CSI1 2LANE CLKP	NC
CSI1_3PHASE_PIN1	CSI1_CLKN	CSI1_2LANE_CLKN	CSI1_TRIO_A
CSI1_3PHASE_PIN2	CSI1_DP0	CSI1_2LANE_DP0	CSI1_TRIO_B
CSI1_3PHASE_PIN3	CSI1_DN0	CSI1_2LANE_DNO	CSI1_TRIO_C
CSI1_3PHASE_PIN4	CSI1_DP1	CSI1_2LANE_DP1	CSI1_TRI1_A
CSI1_3PHASE_PIN5	CSI1_DN1	CSI1_2LANE_DN1	CSI1_TRI1_B
CSI1_3PHASE_PIN6	CSI1_DP2	CSI1_1LANE_DP0	CSI1_TRI1_C
CSI1_3PHASE_PIN7	CSI1_DN2	CSI1_1LANE_DNO	CSI1_TRI2_A
CSI1_3PHASE_PIN8	CSI1_DP3	CSI1_1LANE_CLKP	CSI1_TRI2_B
CSI1_3PHASE_PIN9	CSI1_DN3	CSI1_1LANE_CLKN	CSI1_TRI2_C
CSI2_3PHASE_PIN0	CSI2_CLKP	CSI2_2LANE_CLKP	NC
CSI2_3PHASE_PIN1	CSI2_CLKN	CSI2_2LANE_CLKN	CSI2_TRIO_A
CSI2_3PHASE_PIN2	CSI2_DP0	CSI2_2LANE_DP0	CSI2_TRIO_B
CSI2_3PHASE_PIN3	CSI2_DN0	CSI2_2LANE_DN0	CSI2_TRIO_C
CSI2_3PHASE_PIN4	CSI2_DP1	CSI2_2LANE_DP1	CSI2_TRI1_A
CSI2_3PHASE_PIN5	CSI2_DN1	CSI2_2LANE_DN1	CSI2_TRI1_B
CSI2_3PHASE_PIN6	CSI2_DP2	CSI2_1LANE_DP0	CSI2_TRI1_C
CSI2_3PHASE_PIN7	CSI2_DN2	CSI2_1LANE_DNO	CSI2_TRI2_A
CSI2_3PHASE_PIN8	CSI2_DP3	CSI2_1LANE_CLKP	CSI2_TRI2_B
CSI2_3PHASE_PIN9	CSI2_DN3	CSI2_1LANE_CLKN	CSI2_TRI2_C

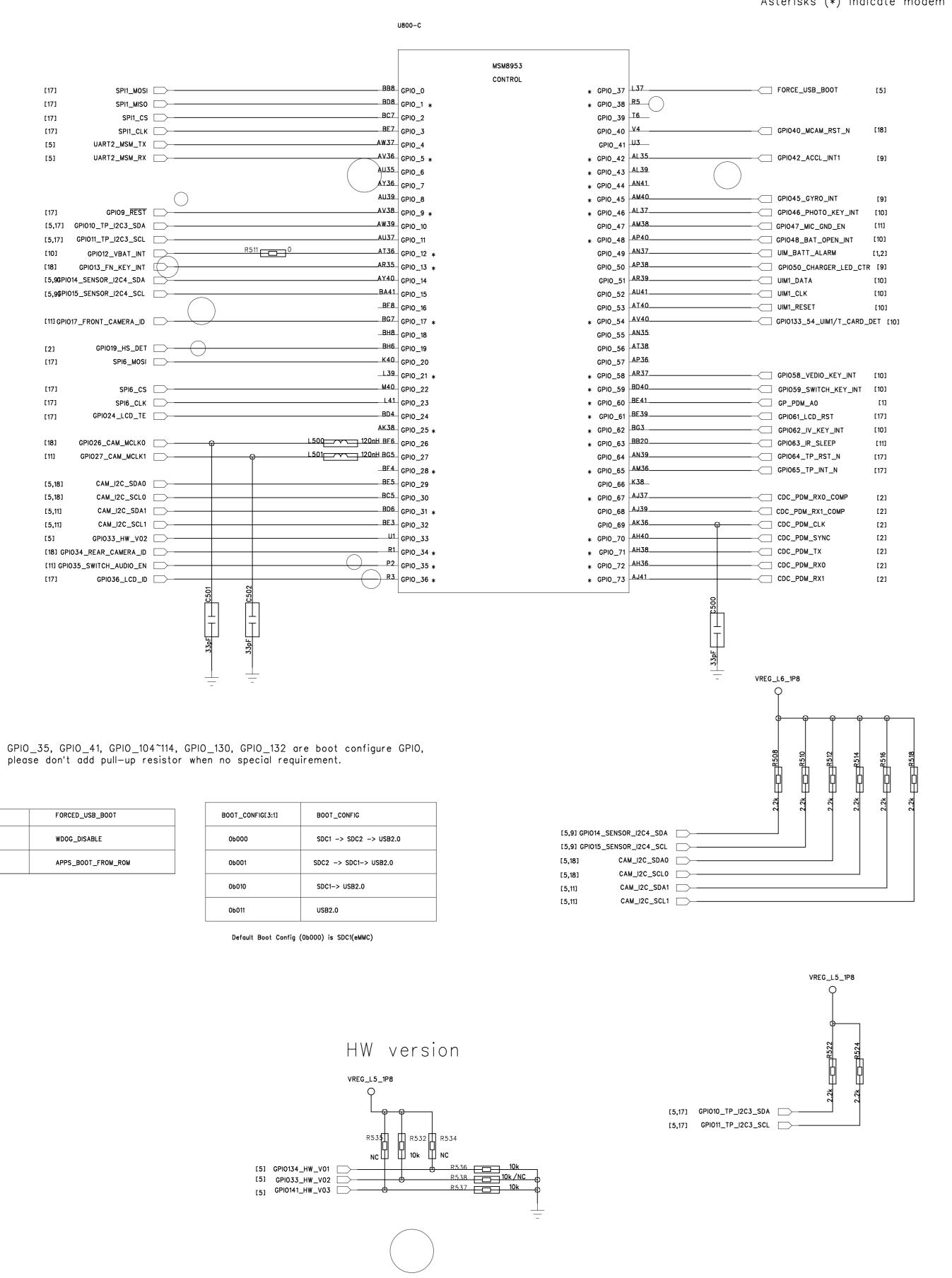
MODEL	VER.	V1.00
TITLE		
DRÄWN	DATED	
CHECKED	SHEET	

## MSM8953\_GP10

4

NOTE: Asterisks (\*) indicate modem power management (MPM) wake-up pins

3



5

6

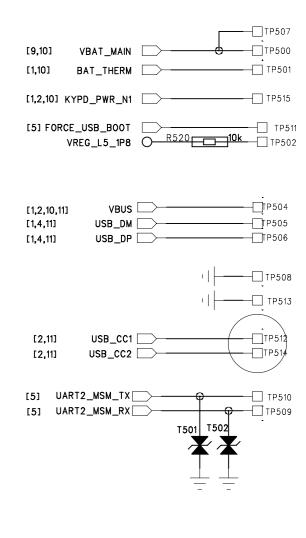
GPI0\_37

GPI0\_106

GPI0\_108

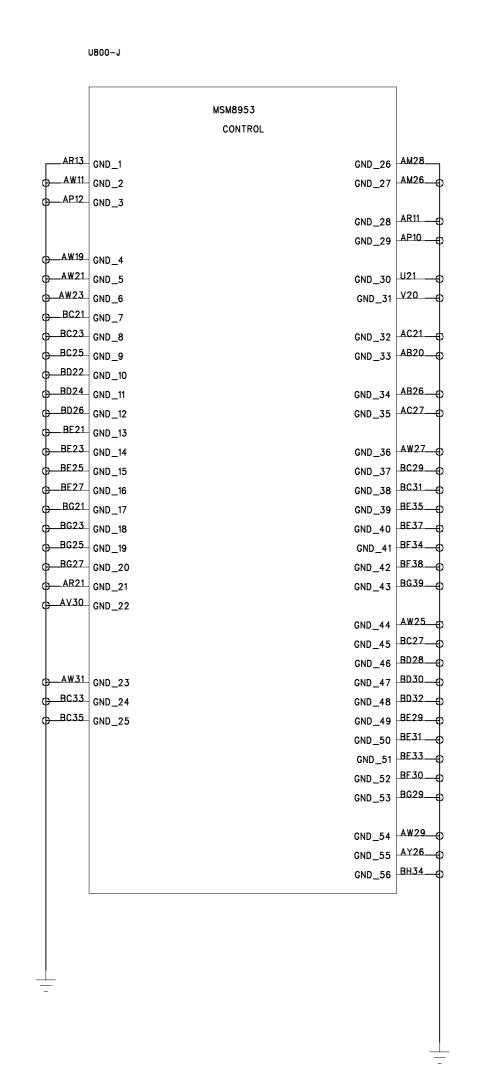
			U	800-D						
			[				7			
					MSM8953					
			AVAO		CONTROL			_		
[2]	CDC_PDM_RX2		AR40	GPIO_74 *		GPI0_108			] GPIO_108_DRX_MODE_S	
[16]	BT_SSBI		- BE9	GPIO_75		GPI0_109			] GPIO_109_DRX_MODE_S	SEL2 [13]
[16]	WL_CMD_DATA_2			GPI0_76		GPI0_110				
[16]	WL_CMD_DATA_1	$\overline{}$		GPI0_77		GPIO_111				
[16]	WL_CMD_DATA_0	$\Box$		GPI0_78		GPI0_112	BE19 I			
[16]	WL_CMD_SET	$\longrightarrow$		GPI0_79		GPI0_113	BF40	$\overline{}$	GPIO_113_ANT_TUNING_	1 [12]
[16]	WL_CMD_CLK	$\Box$		GPI0_80		GPI0_114	BG19		GPIO_114_ANT_TUNING_	2 [12]
			_BH12_	GPI0_81 * i		GPI0_115	BB18		GPIO_115_ANT_TUNING_	_3 [12]
			BF10_	GPI0_82		GPIO_116	BF18 I		] GPI0116_EXT_GPS_LNA_	_EN [12]
[16]	BT_CTL	$\Box$	BE11	GPI0_83		I GPIO_117	BD18		] CHO_GSM_TX_PHASE_D	00 [15]
[16]	BT_DATA	$\Box$		GPI0_84		GPI0_118			RFFE1_CLK	[12,14]
				GPIO_85 *		GPIO_119	BE17		> RFFE1_DATA	[12,14]
			_N37_	GPI0_86 *		GPIO_120	BG17			
				GPI0_87 *		   GPIO_121	BF16			
[9]	GPI088_BLUE_LED	$\overline{}$		GPIO_88		I GPIO_122				
[9]	GPI089_RECORD_LED			GPIO_89		GPIO_123				
[9]	GOIP90_POWER_LED			GPIO_90 *		GPI0_124			RFFE5_CLK	[15]
191	901-90_1 0#EK_EED			GPIO_90 *		GPIO_125	BE15		RFFE5_DATA	[15]
	ODIOGO AUDIO DA EN			GPIO_91 * GPIO_92		•	1 1		, KFFES_DATA	[13]
[9]	GPI092_AUDIO_PA_EN			GPIO_92 GPIO_93 *		GPI0_126     GPI0_127	I			
[11]	GPI093_2V8_EN			GPIO_93 * GPIO_94		1 GPIO_127	BH4	_	1 0010400 0110 511	
						GPI0_128			GPI0128_2V8_EN	[11]
[11]	GPI095_IR_CUT			GPIO_95		GPI0_129			GPI0129_DCAM_RST_N	[11]
[11]	GPIO96_IR_CUT			GPIO_96	*	GPI0_130			GPI0130_RECORD_KEY_	
				GPIO_97 *	*	GPI0_131			GPI0131_EN	[17]
[11]	GPI098_OVP_USB_EN	$\overline{}$		GPI0_98		GPI0_132			GPI0132_LED_EN	[17]
				GPIO_99	*	GPI0_133	14			
[12]	GIP0100_FBRX	$\overline{}$		GPIO_100		GPI0_134	T2		] GPI0134_HW_V01	[5]
				GPI0_101		GPI0_135	BA39	$\overline{}$	GPI0135_WHITE_DET	[9]
[15]	GPI0_102_SP2T_TX	$\overline{}$		GPI0_102		GPI0_136			GPI0136_IR_CTL	[9]
[15]	GPI0_103_SP2T_TX	$\longrightarrow$	BG13	GPI0_103	*	GPI0_137	BA37			
			BC13	GPI0_104 i		GPI0_138	AY38		GPI0138_3V3_EN	[9]
			BE13	GPI0_105		GPI0_139			GPI0139_USB_SS_SEL	[11]
			·	GPI0_106	*	GPI0_140				
[13] GP	O_107_DRX_MODE_SELO	$\Box$	I I	GPI0_107		GPI0_141			] GPI0141_HW_V03	[5]
		_	L	=_J	т	- <b>-</b> · · ·			_	

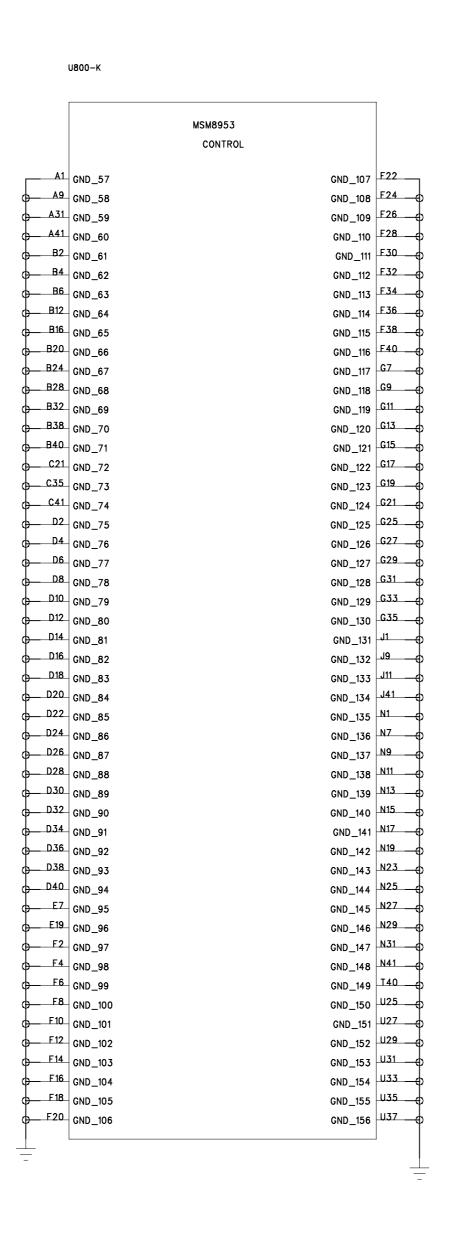
Pad name		Alternate functions			
GPIO(0)	SPI1_MOSI				
GPIO[1]	SPI1_MISO				
GPIO[2]	SPI1_CS	- 120	I2C1_SDA		
GPIO[3]	SPI1_CLK		I2C1_SCL		
GPIO[4]	SPI2_MOSI	UART2_Tx			
GPIO[5]	SPI2_MISO	UART2_Rx			
GPIO(8)	SPI2_CS	UART2_CTS	I2C2_SDA		
GPI0[7]	SPI2_CLK	UART2_RTS	I2C2_SCL		
GPIO[8]	SPI3_MOSI	1,0			
GP10[9]	SPI3_MISO	15 KB			
GPIO[10]	SPI3_CS	V 30	I2C3_SDA		
GPIO[11]	SPI3_CLK	000	I2C3_SCL		
GPIO[12]	SPI4_MOSI	UART4_Tx			
GPIO[13]	SPI4_MISO	UART4_Rx			
GPIO[14]	SPI4_CS	UART4_CTS	I2C4_SDA		
GPIO[15]	SPI4_CLK	UART4_RTS	I2C4_SCL		
GPIO[16]	SPI5_MOSI	UART5_Tx			
GPIO[17]	SPI5_MISO	UART5_Rx			
GPIO[18]	SPI5_CS	UART5_CTS	I2C5_SDA		
GPIO[19]	SPI5_CLK	UART5_RTS	12C5_SCL		
GPIO[20]	SPI6_MOSI	UART6_Tx			
GP10[21]	SPI6_MISO	UART6_Rx			
GP10[22]	SPI6_CS	UART6_CTS	12C8_SDA		
GPIO[23]	SPI6_CLK	UART6_RTS	12C8_SCL		
GPIO_137	SPI7_MOSI				
GPIO_138	SPI7_MISO				
GPIO_138	SPI7_CS		I2C7_SDA		
GPIO_135	SPI7_CLK		12C7_SCL		
GPIO_96	SPI8_MOSI				
GPIO_97	SPI8_MISO				
GPIO_98	SPI8_CS		I2C8_SDA		
GPIO_99	SPI8_CLK		12C8_SCL		

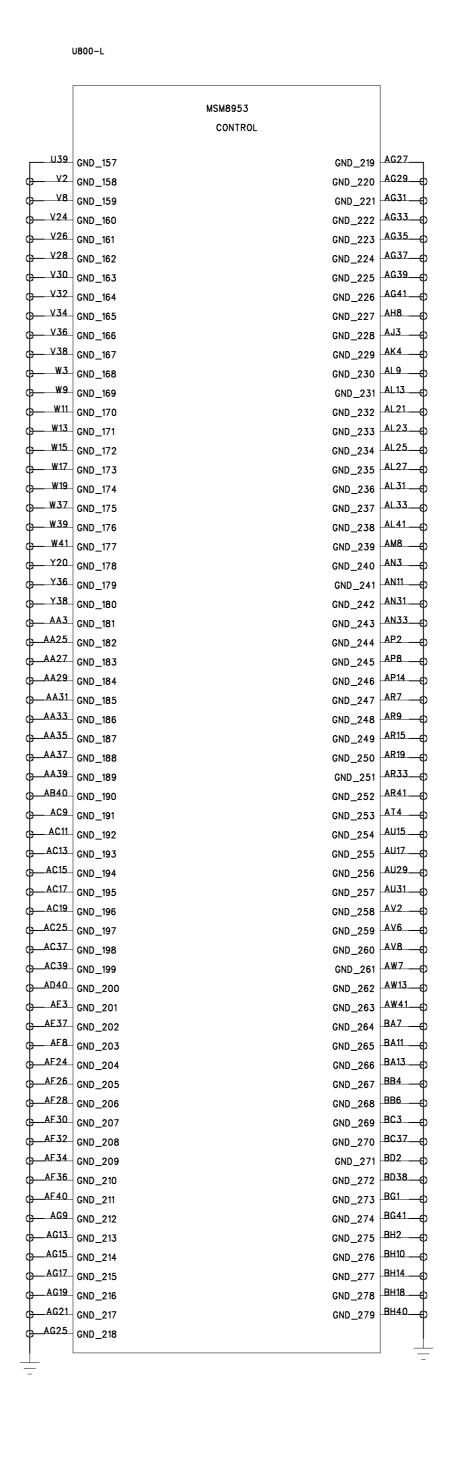


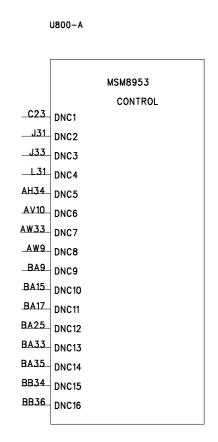
MODEL	VER.	V1.00
TITLE		
DRAWN	DATED	
CHECKED	SHEET	

### MSM8953\_GND

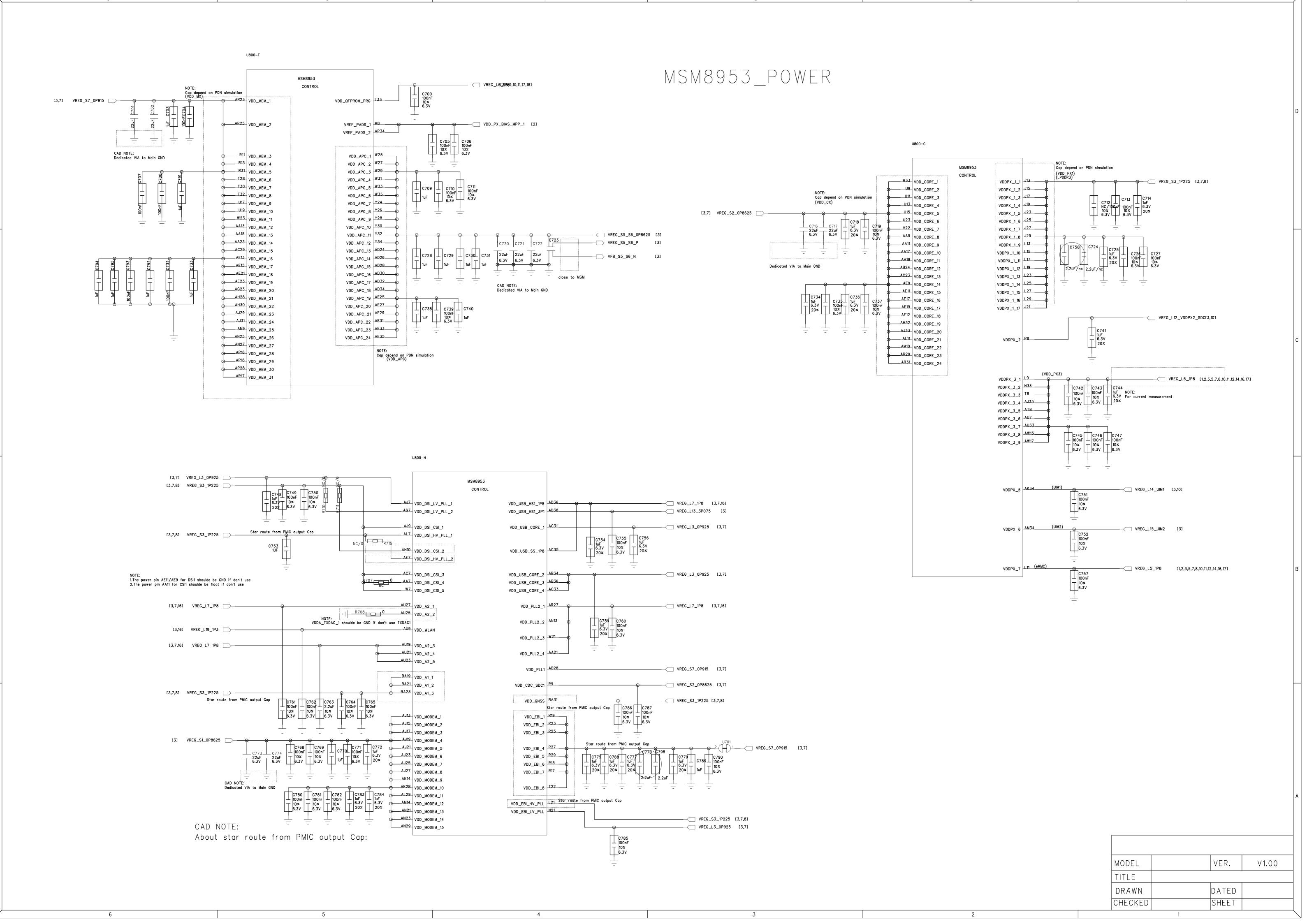


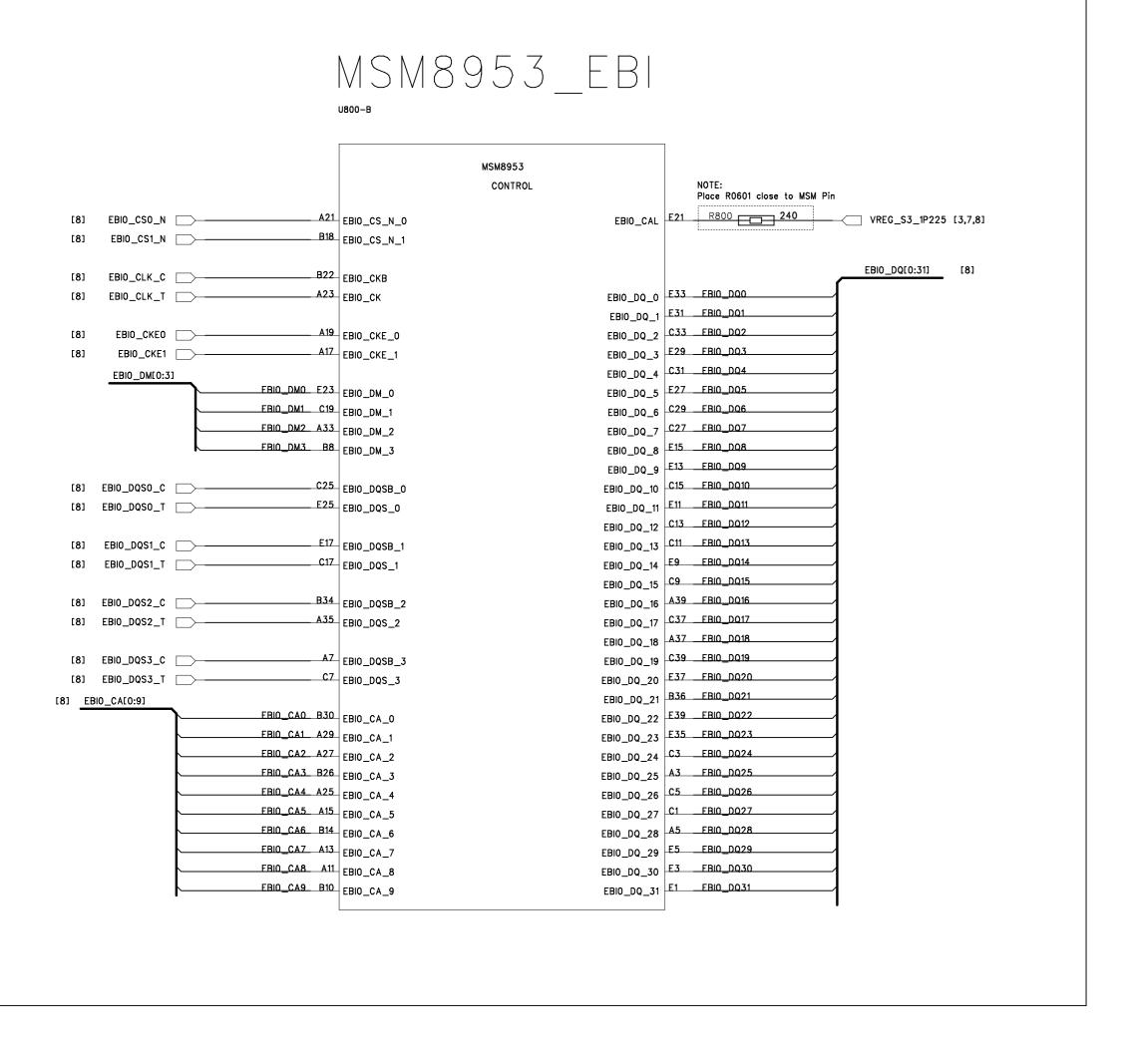


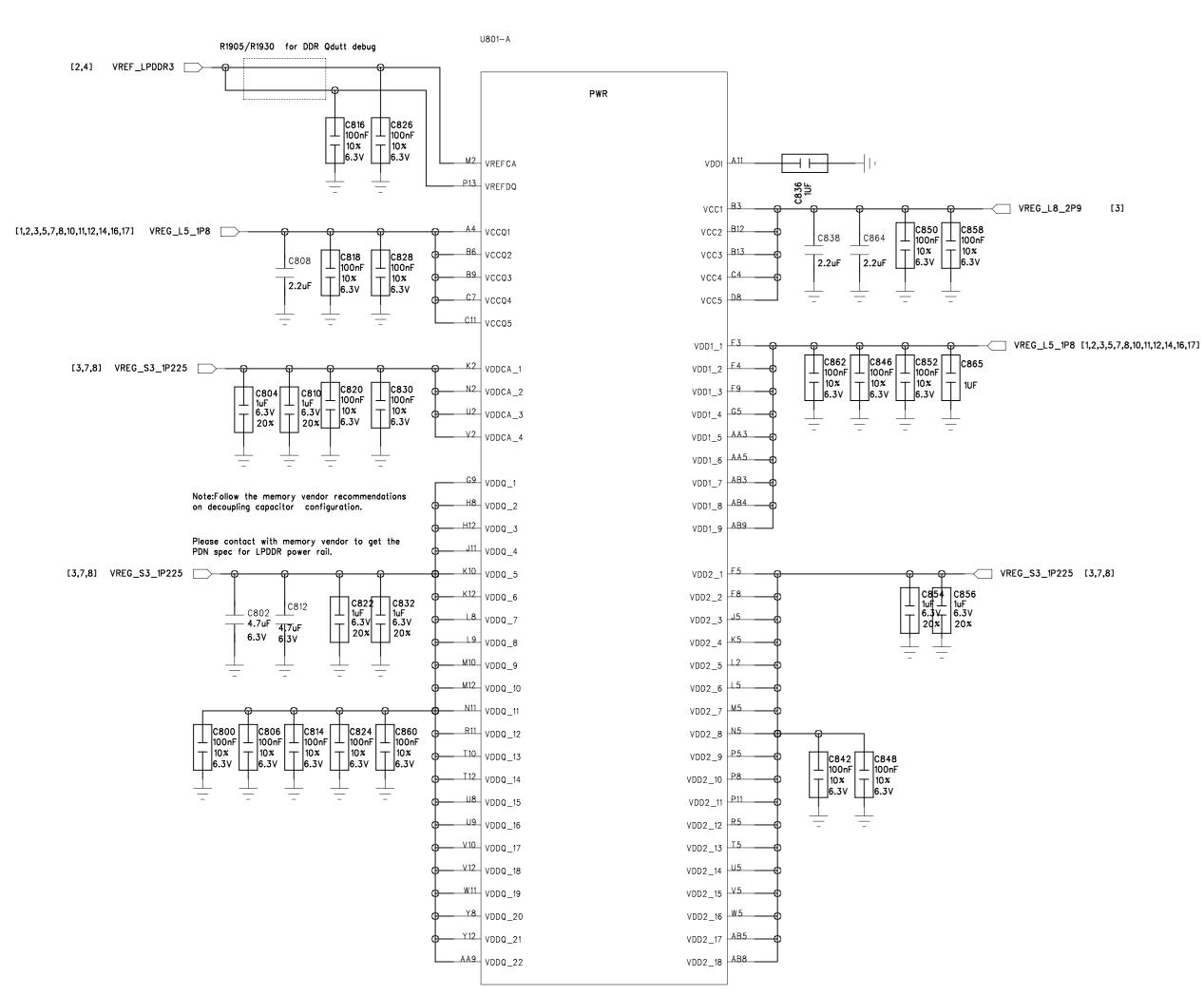




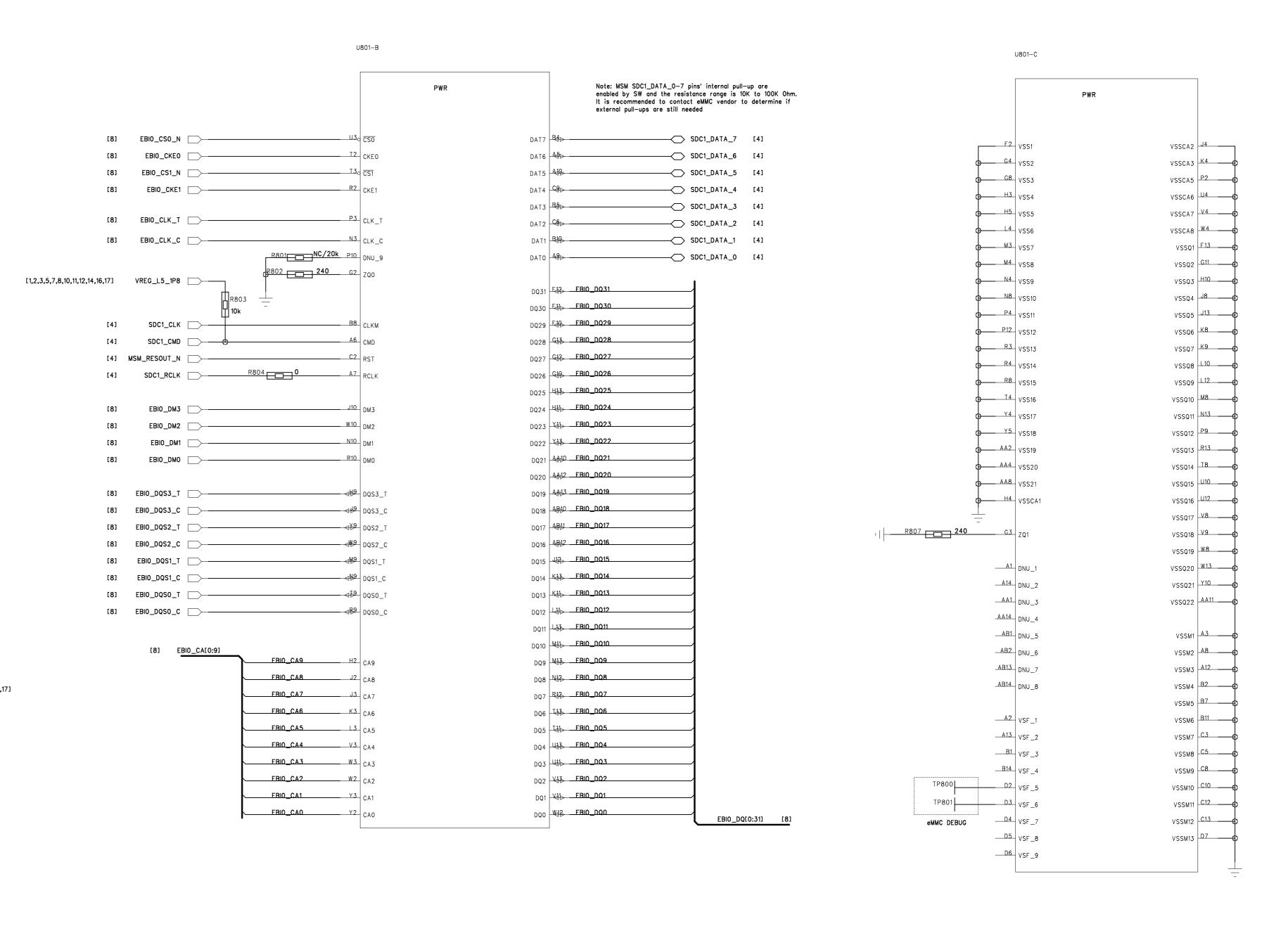
MODEL	VER.	V1.00
TITLE		
DRAWN	DATED	
CHECKED	SHEET	







#### MEMORY:LPDDR3+EMMC



V1.00

4

VER.

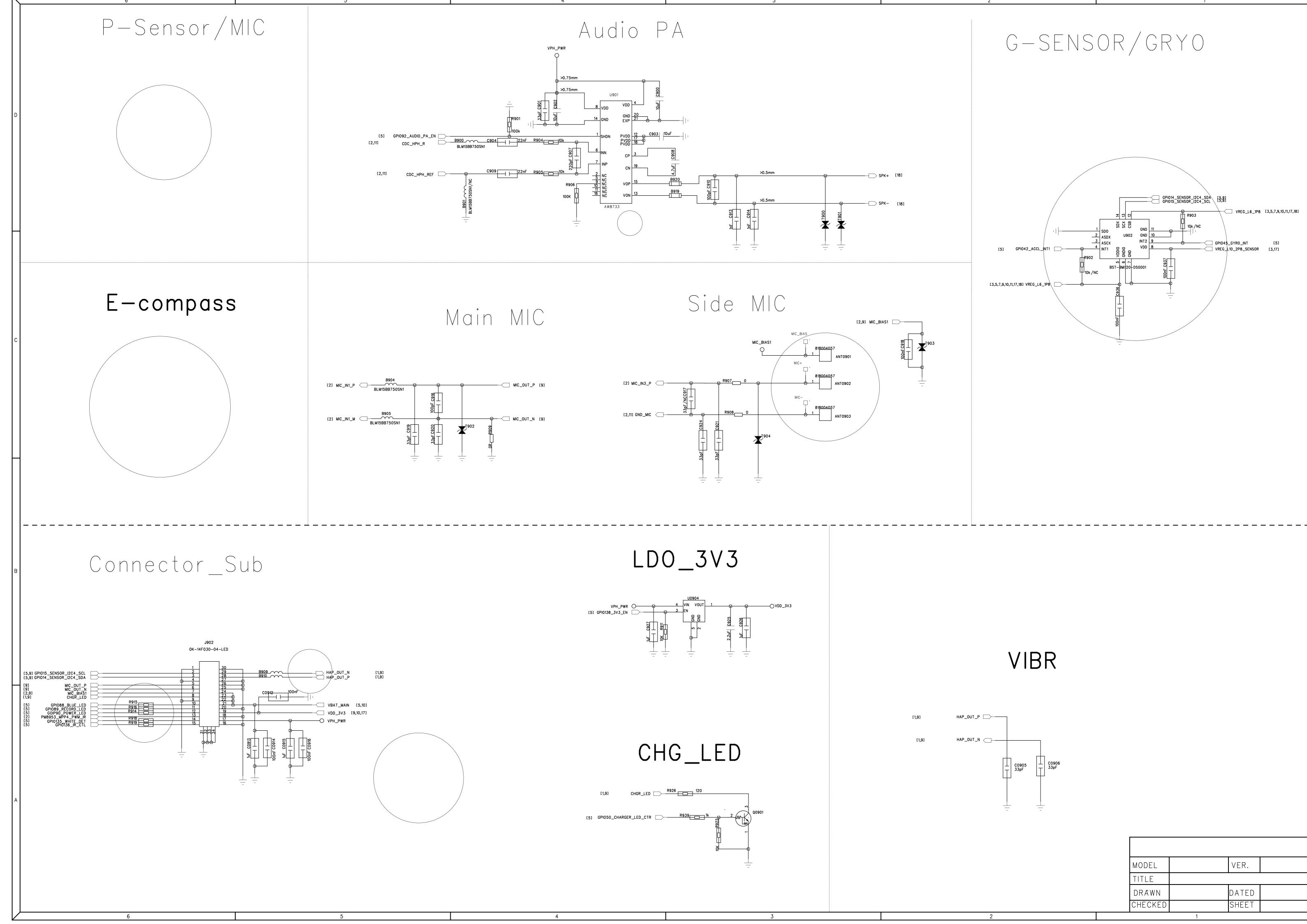
DATED

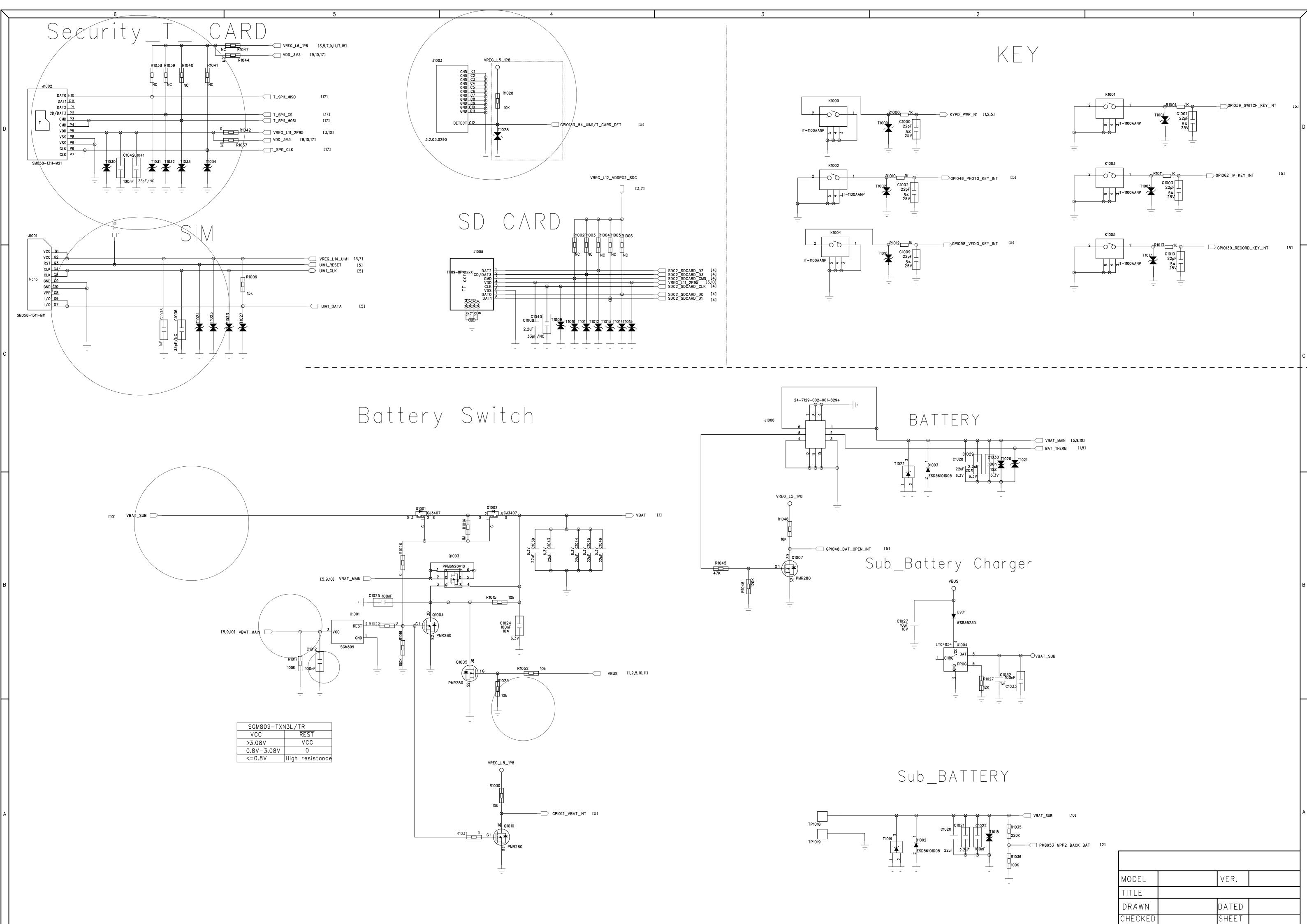
MODEL

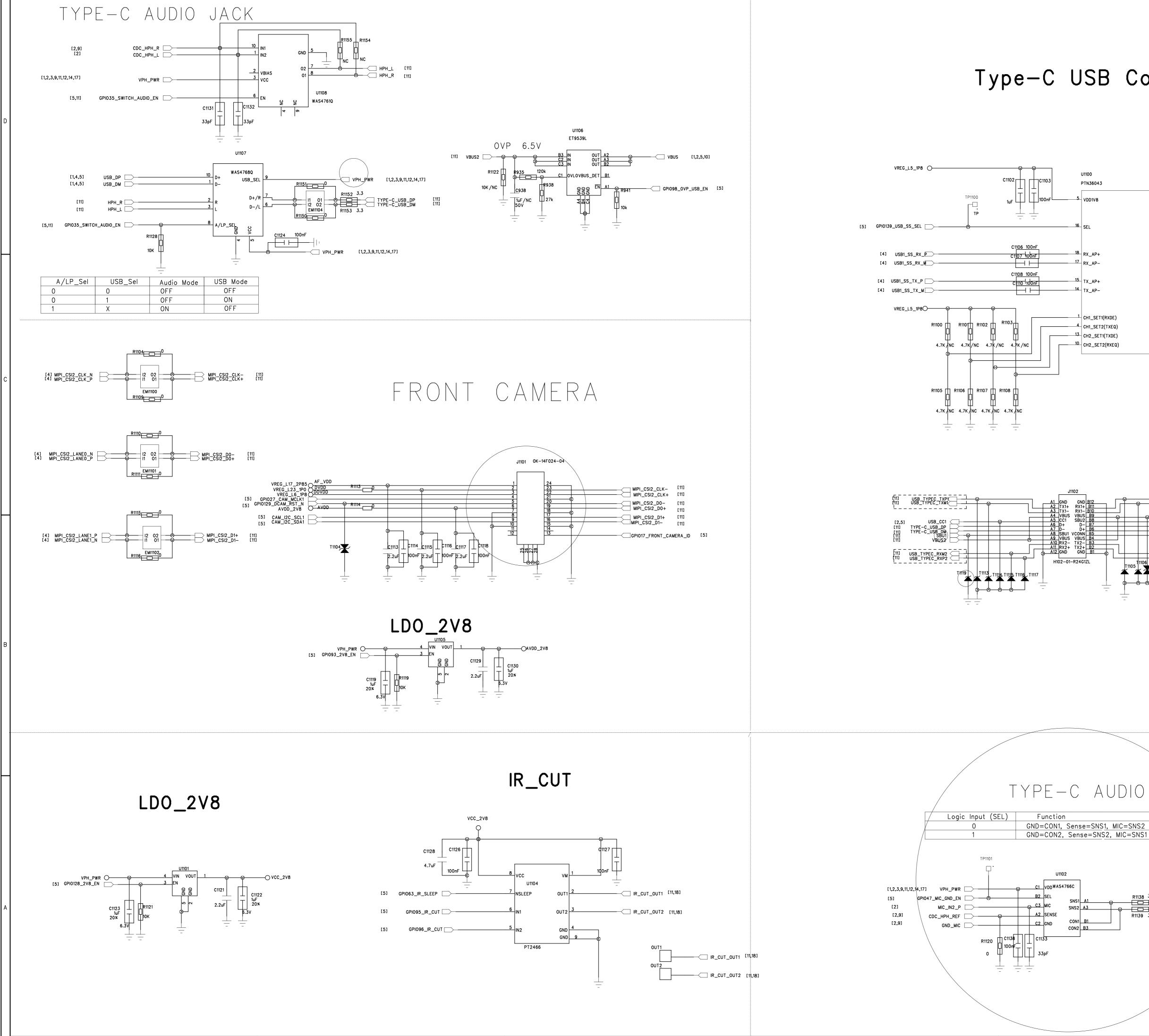
TITLE

DRAWN

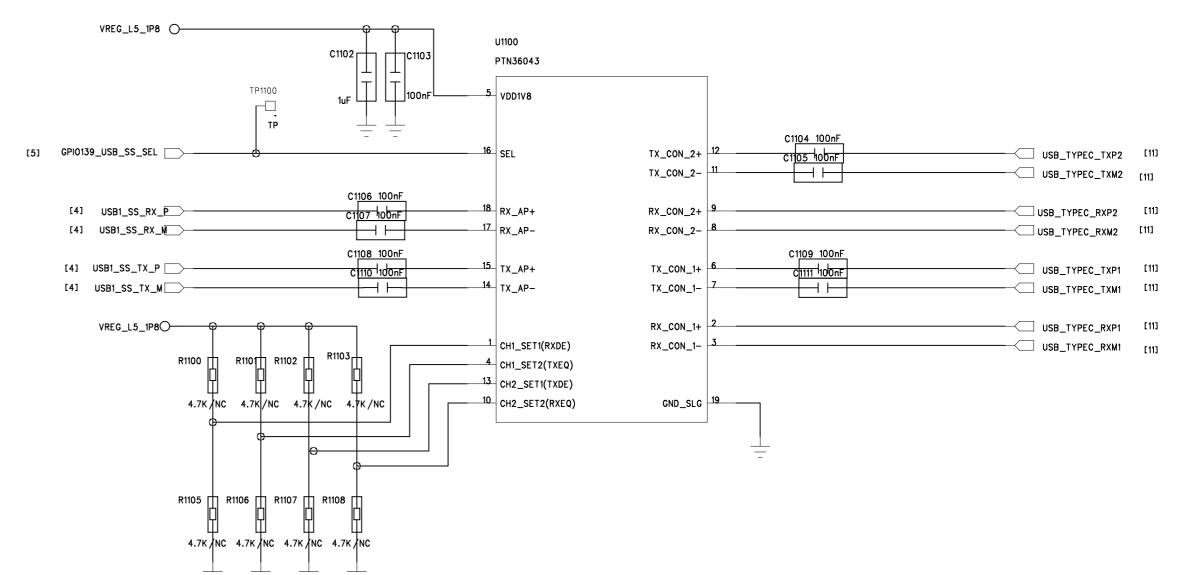
CHECKED

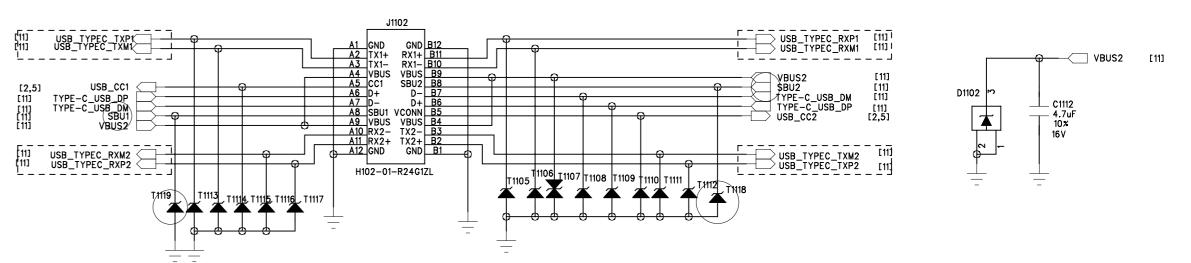


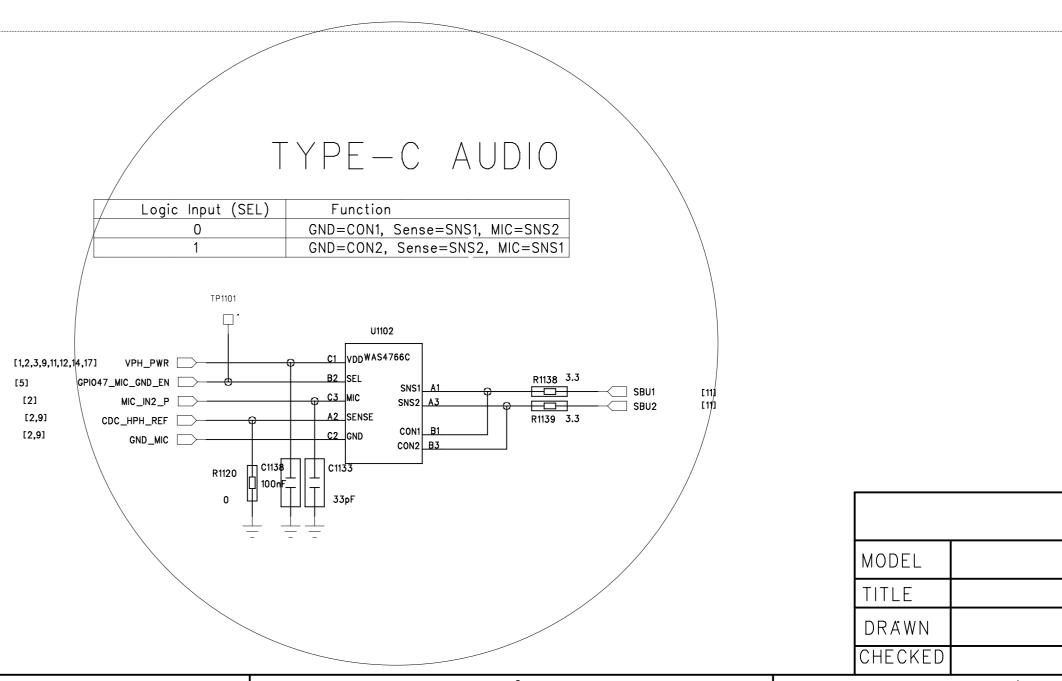




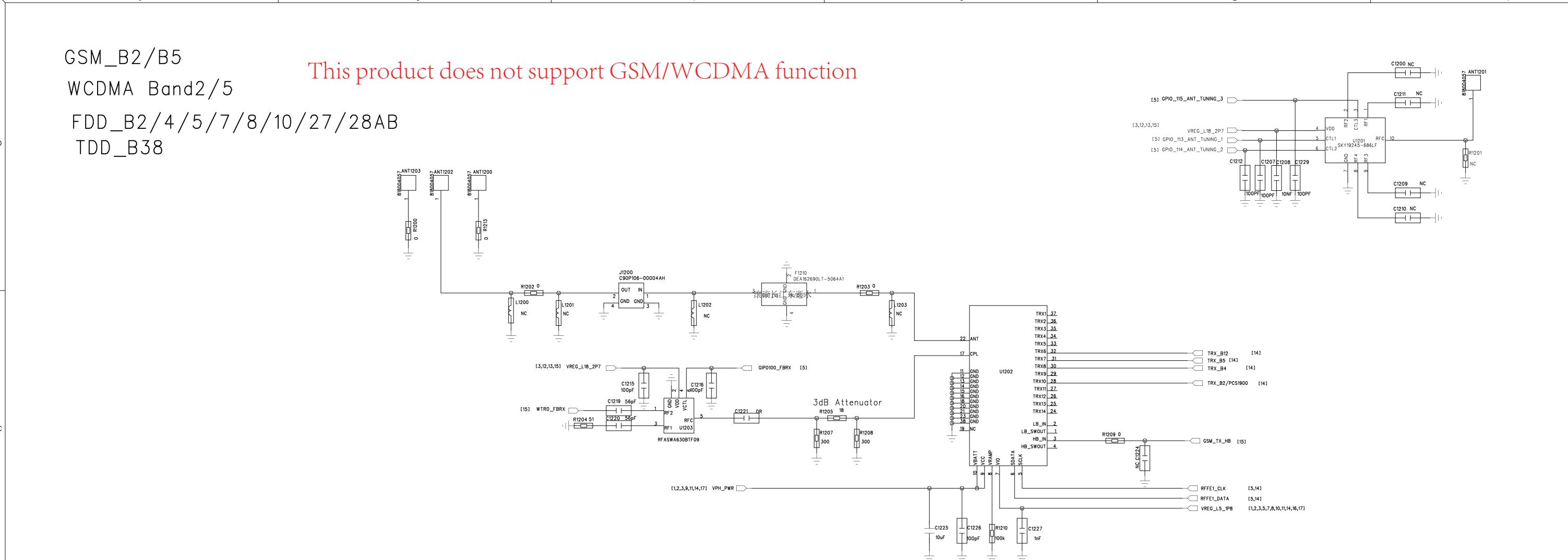
## Type-C USB Connector



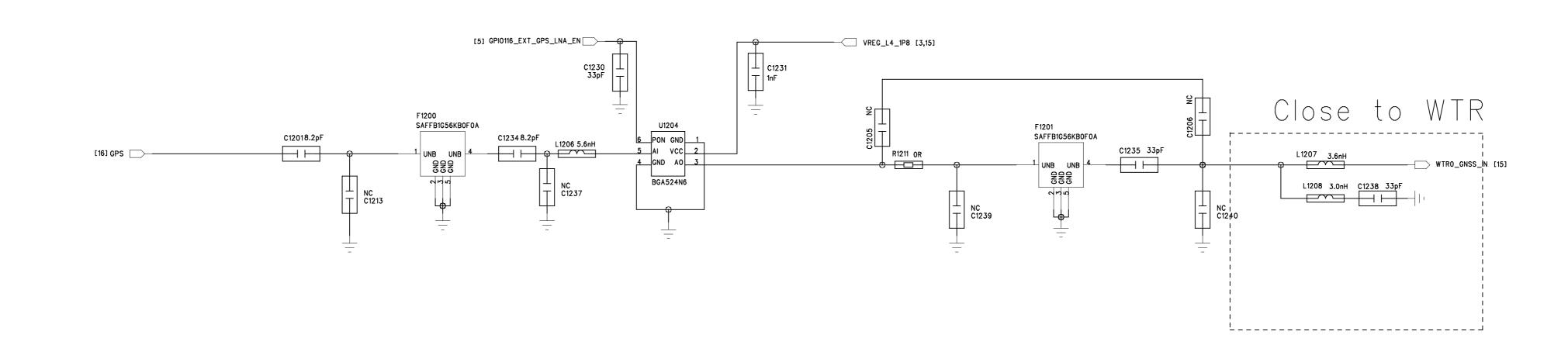




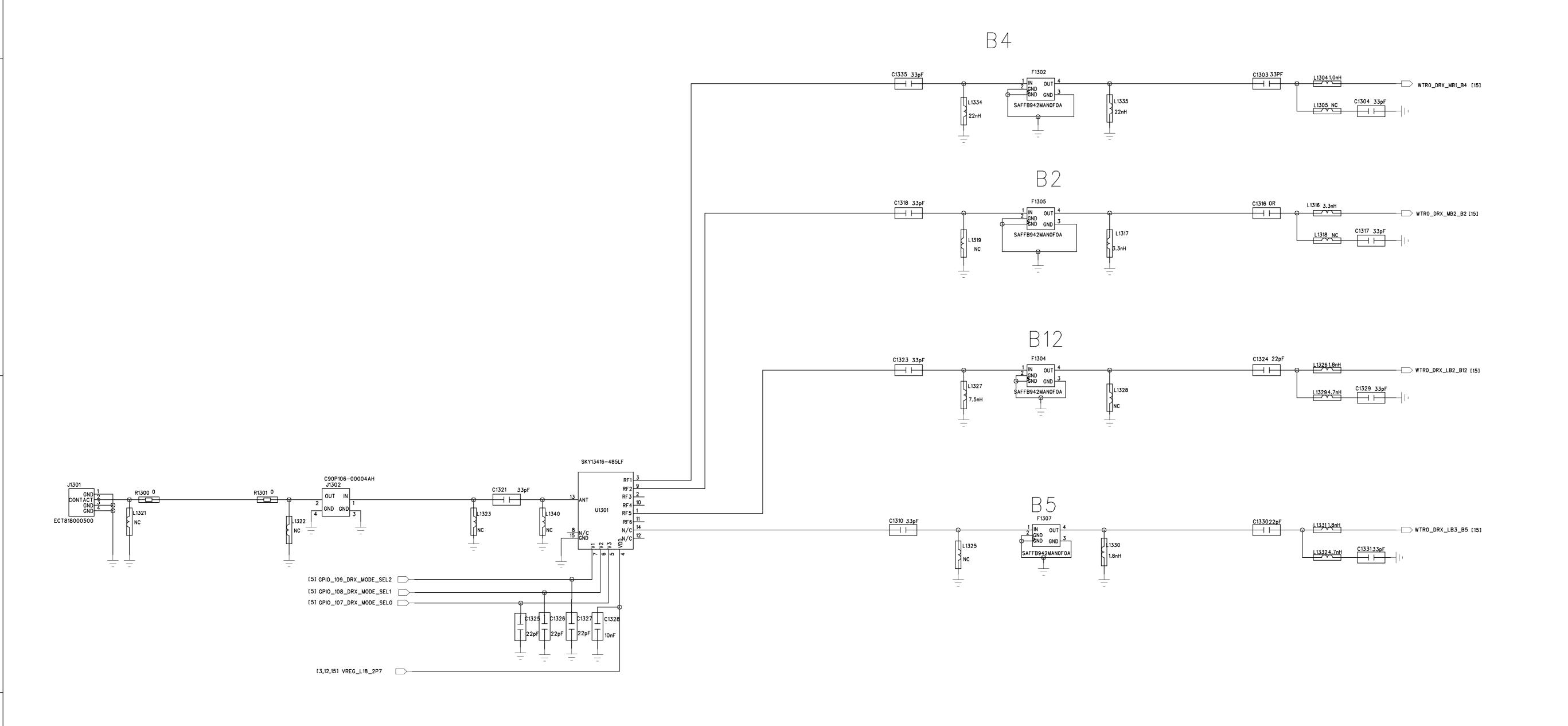
VER.



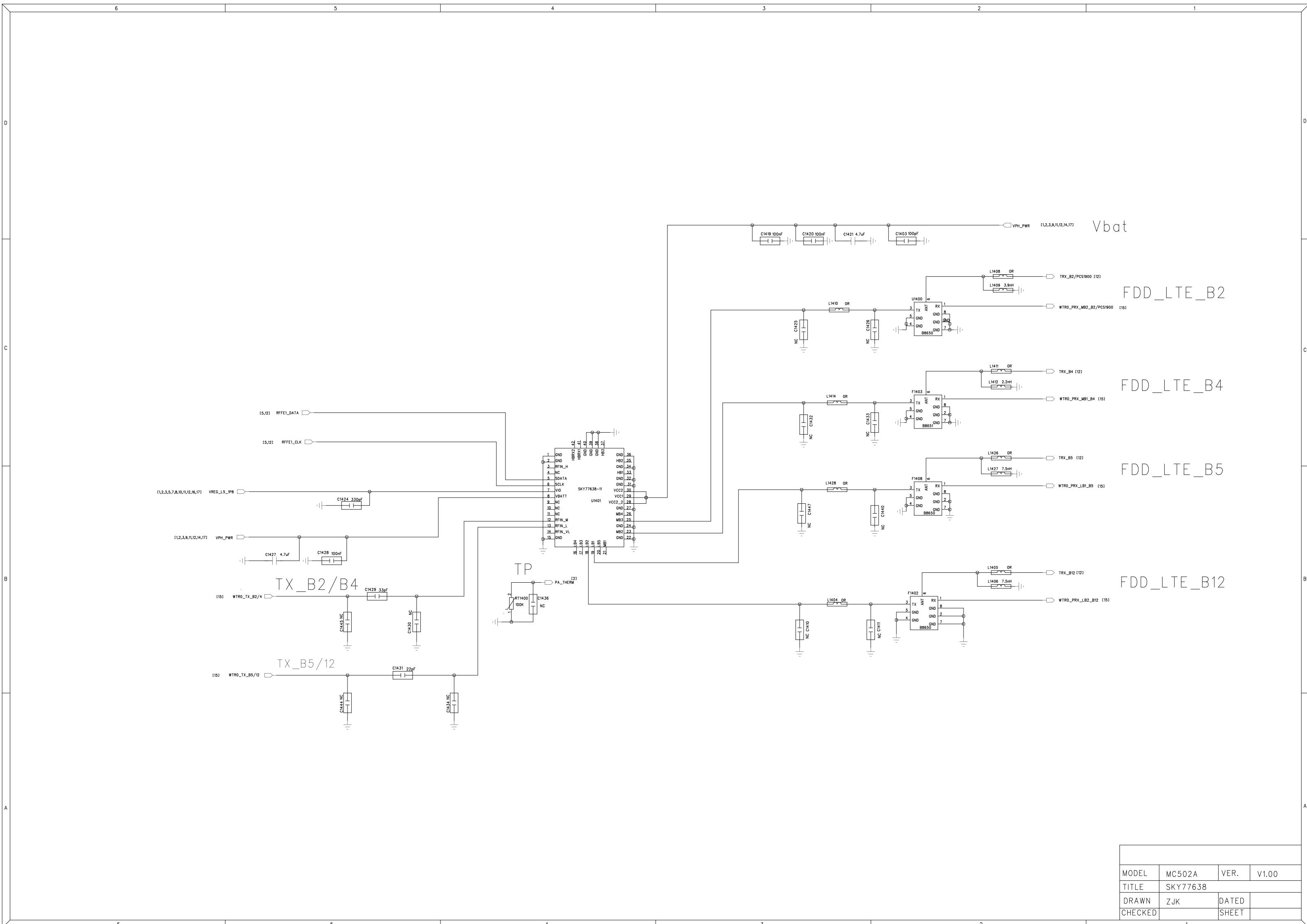
GPS



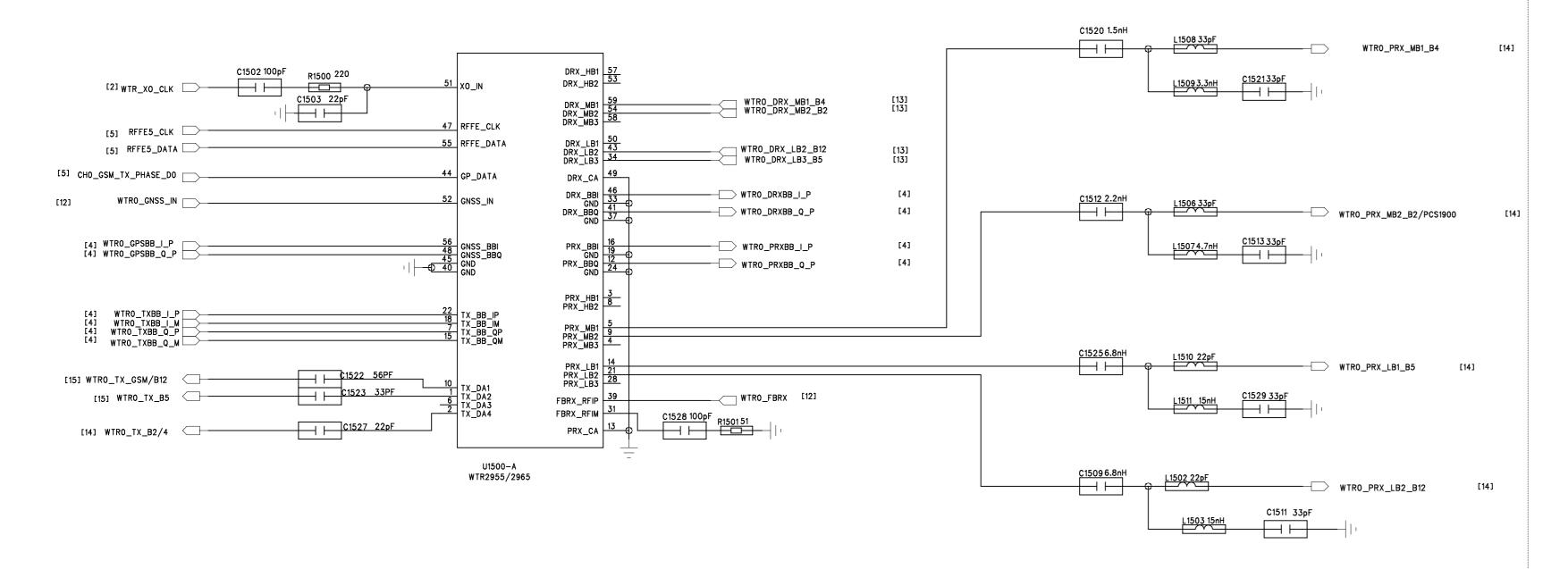
MC502A	VER.	V1.00
MAIN_ANT_GI	PS	
ZJK	DATED	
	SHEET	
	MAIN_ANT_G	MAIN_ANT_GPS  ZJK DATED



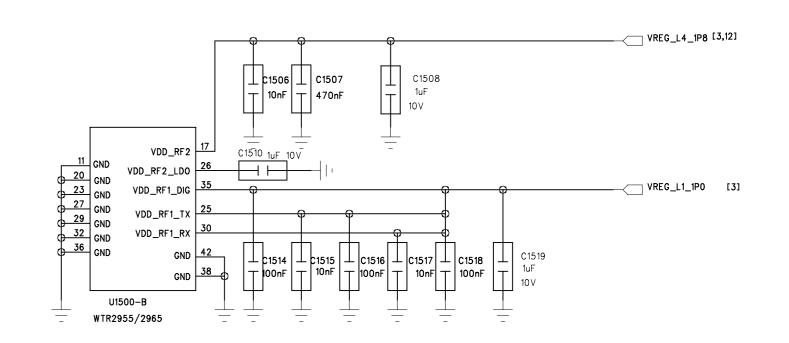
MODEL	MC502A	VER.		V1.00	
TITLE	DIV_ANT				
DRÄWN	ZJK	DATE	D		
CHECKED		SHEE	T		

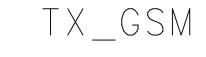


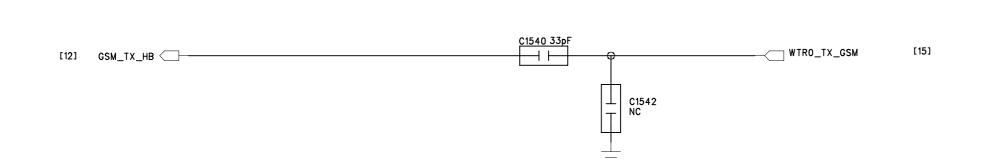
# WTR2965

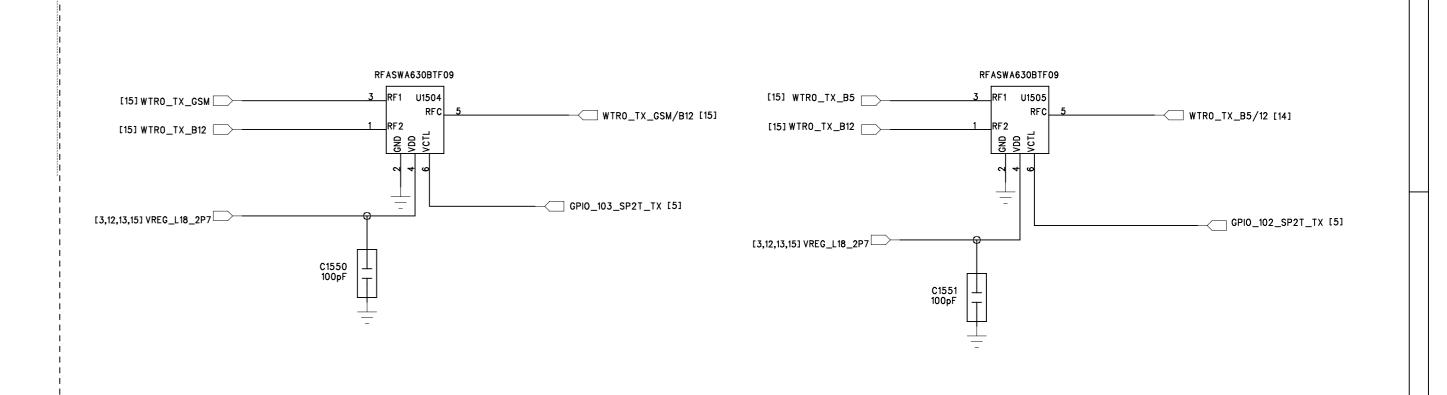


# WTR2965\_POWER









MODEL	SLB767	VER.	V1.00
TITLE	WTR2965		
DRAWN	WXI	DATED	
CHECKED		SHEET	
	1	•	

# WCN3660B WIFI\_BT

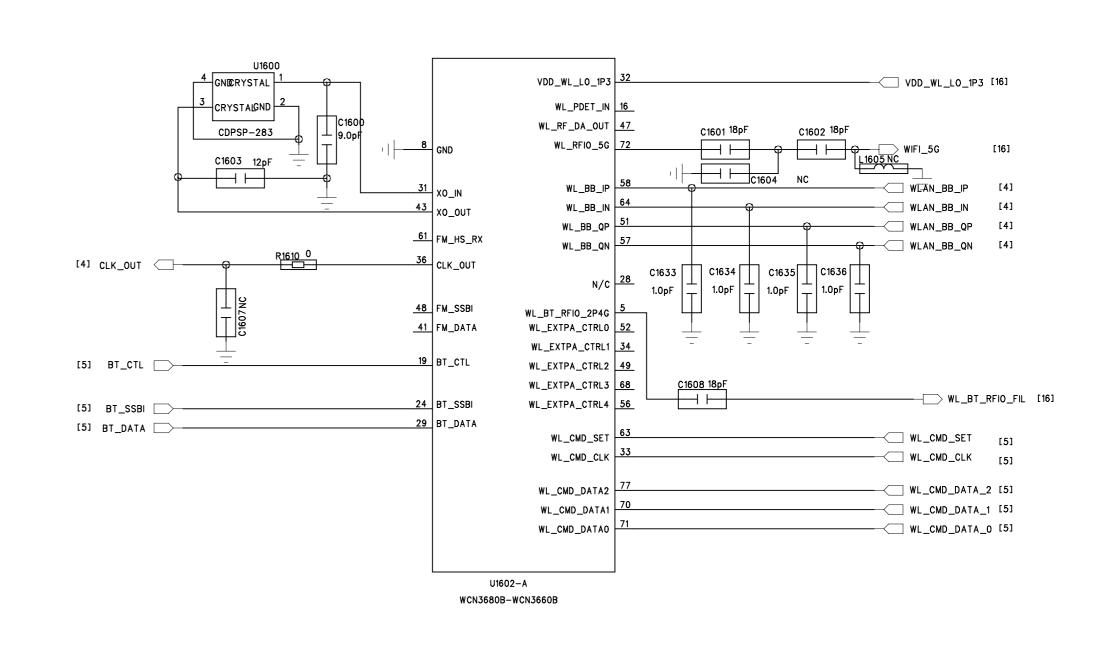
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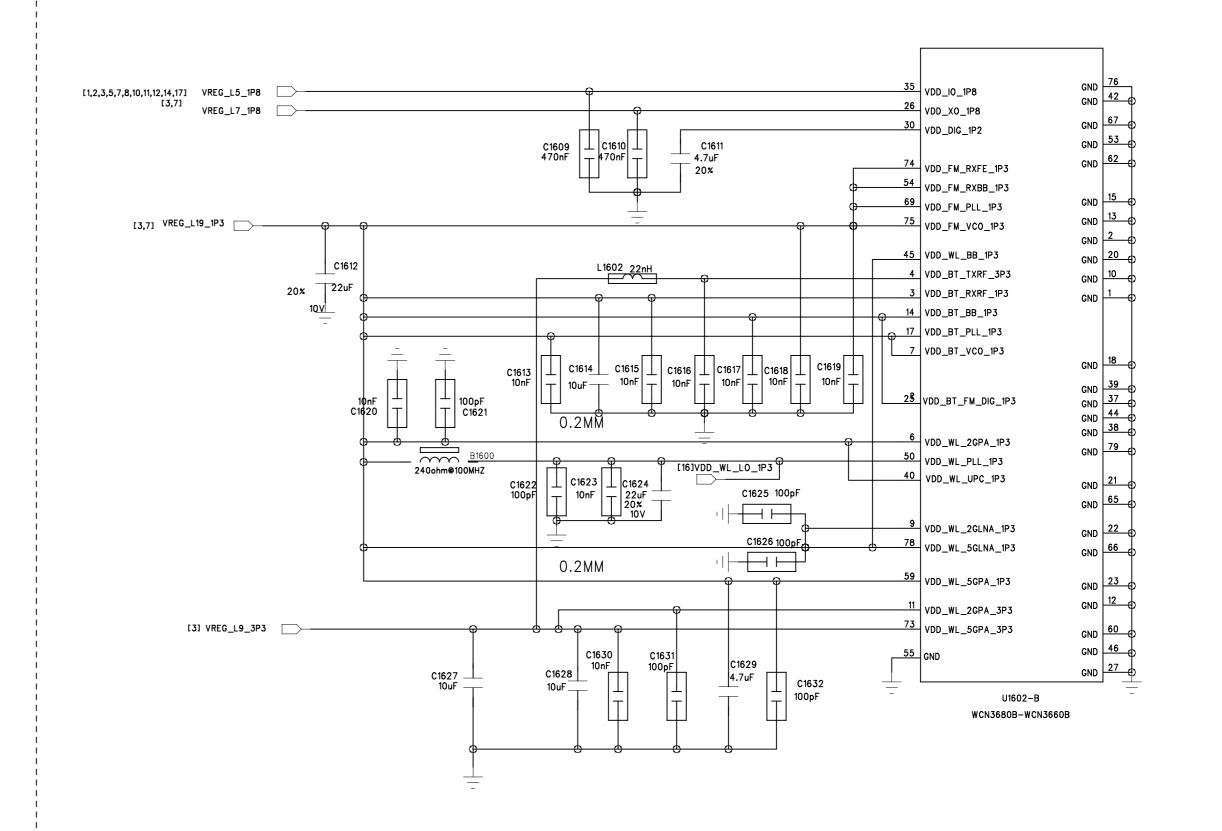
FL1600

WIFI\_2.4G [16]

[16] WL\_BT\_RFIO\_FIL \_\_\_\_

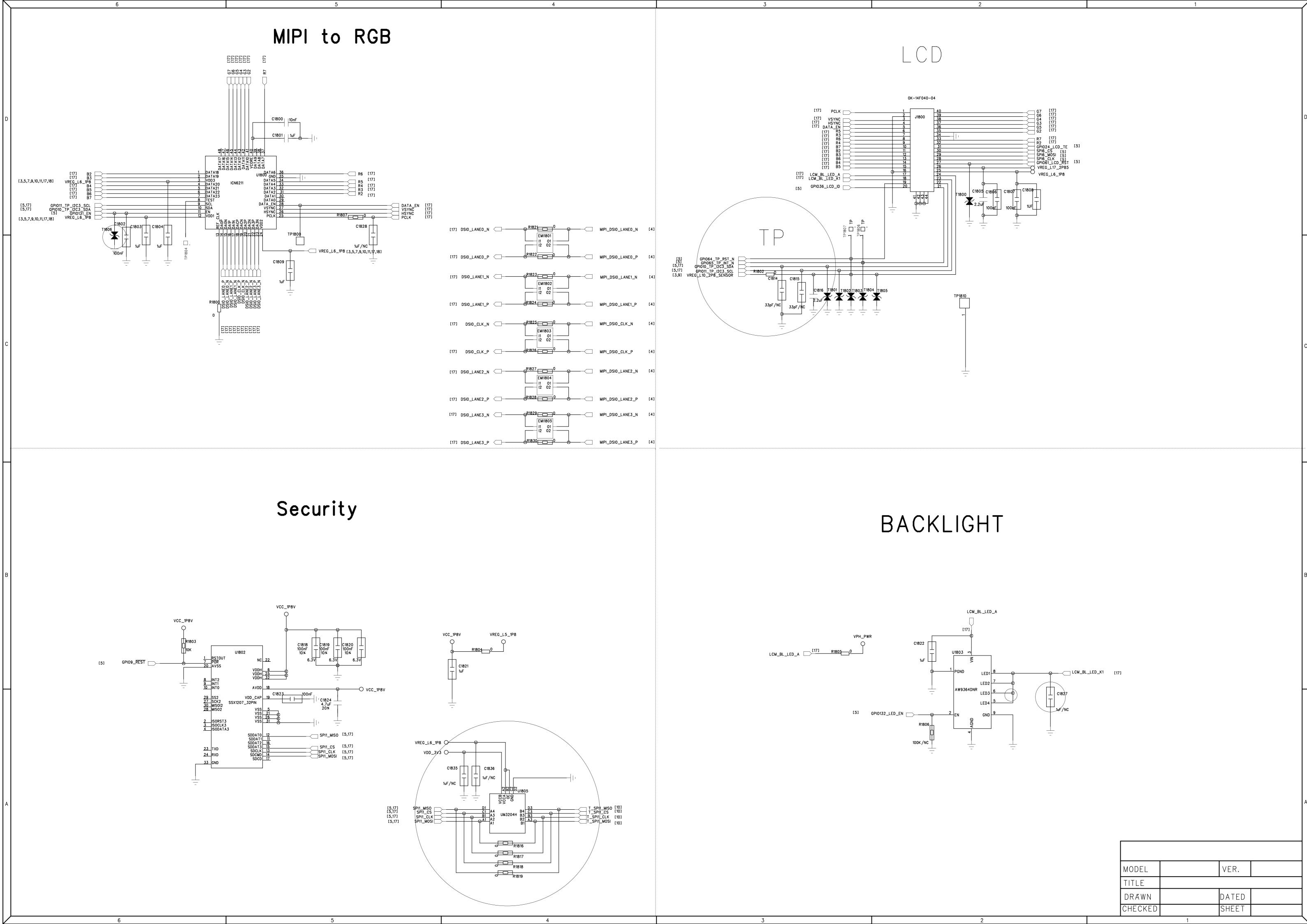
## WCN3680B



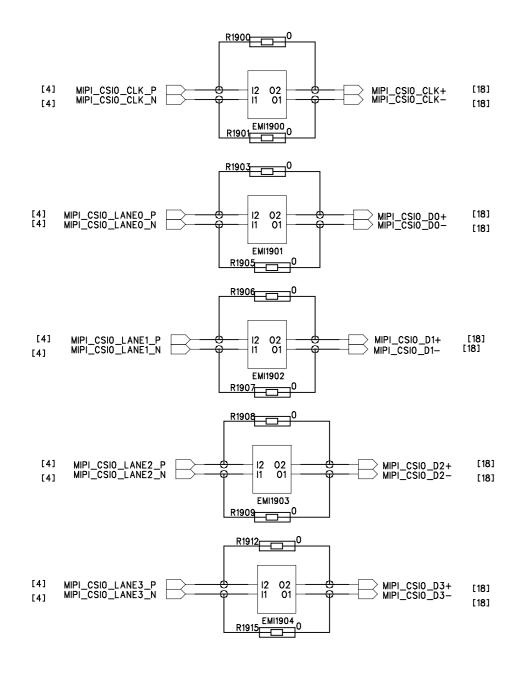


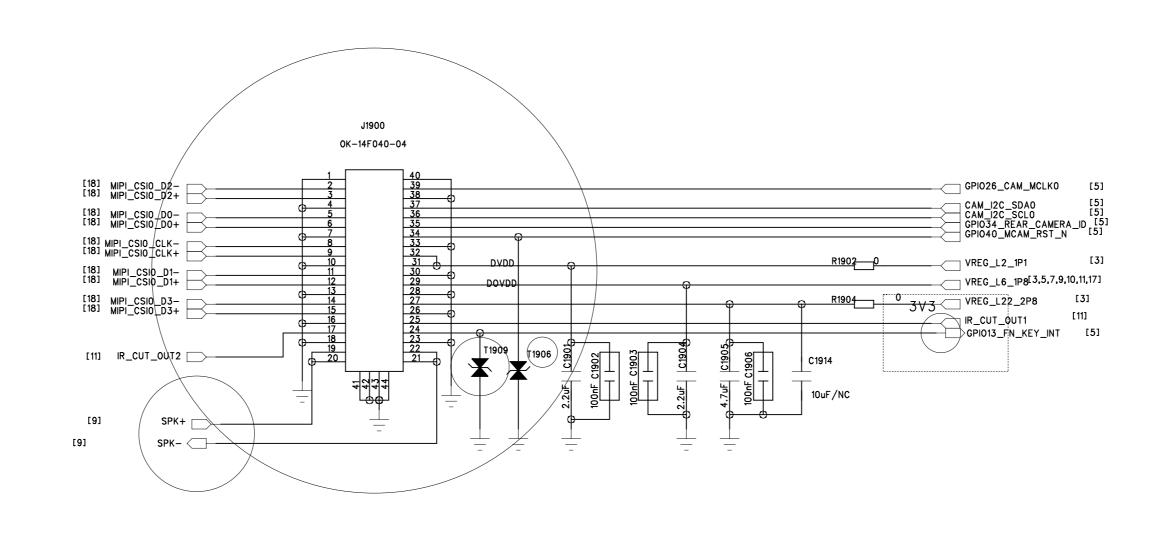
Power	From	System
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MODEL	SLB767	VER.	V1.00
TITLE	WCN3680		
DRÄWN	WXL	DATED	
CHECKED		SHEET	
•	1		



# REAR CAMERA





MODEL		VER.	
TITLE	PMIC		
DRÄWN		DATED	
CHECKED		SHEET	