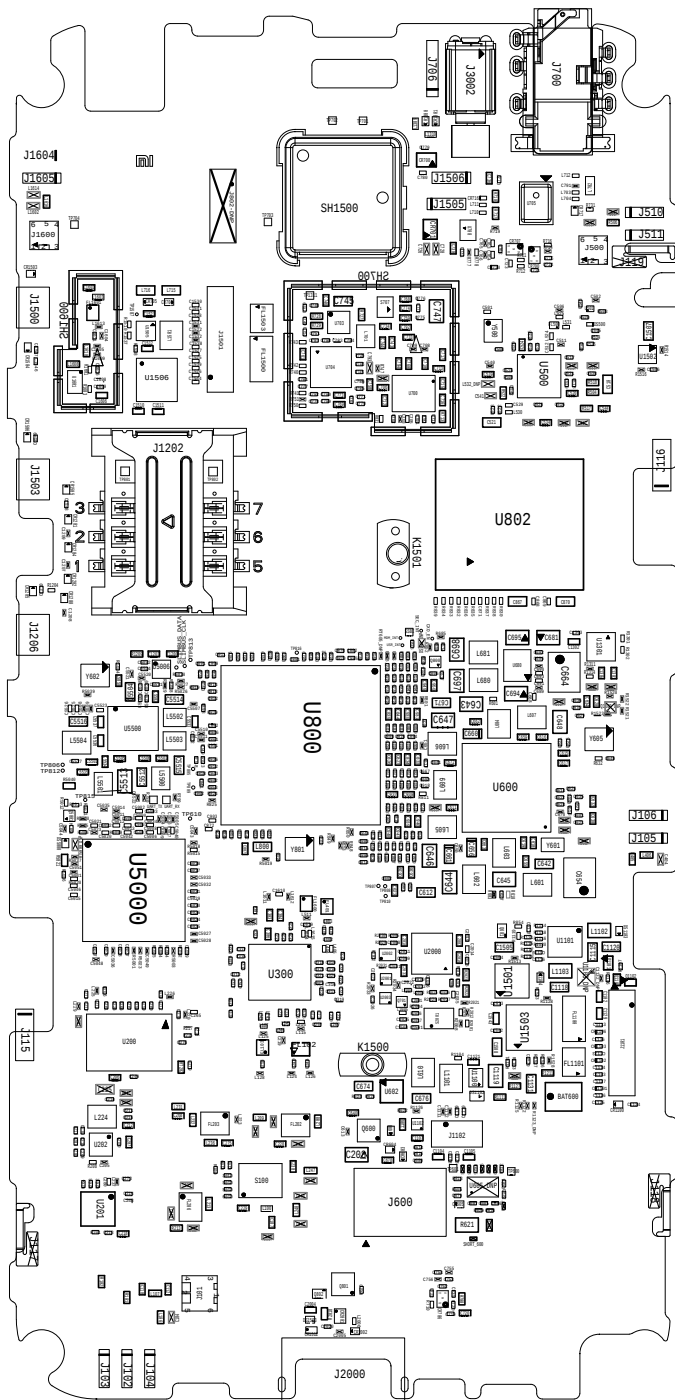


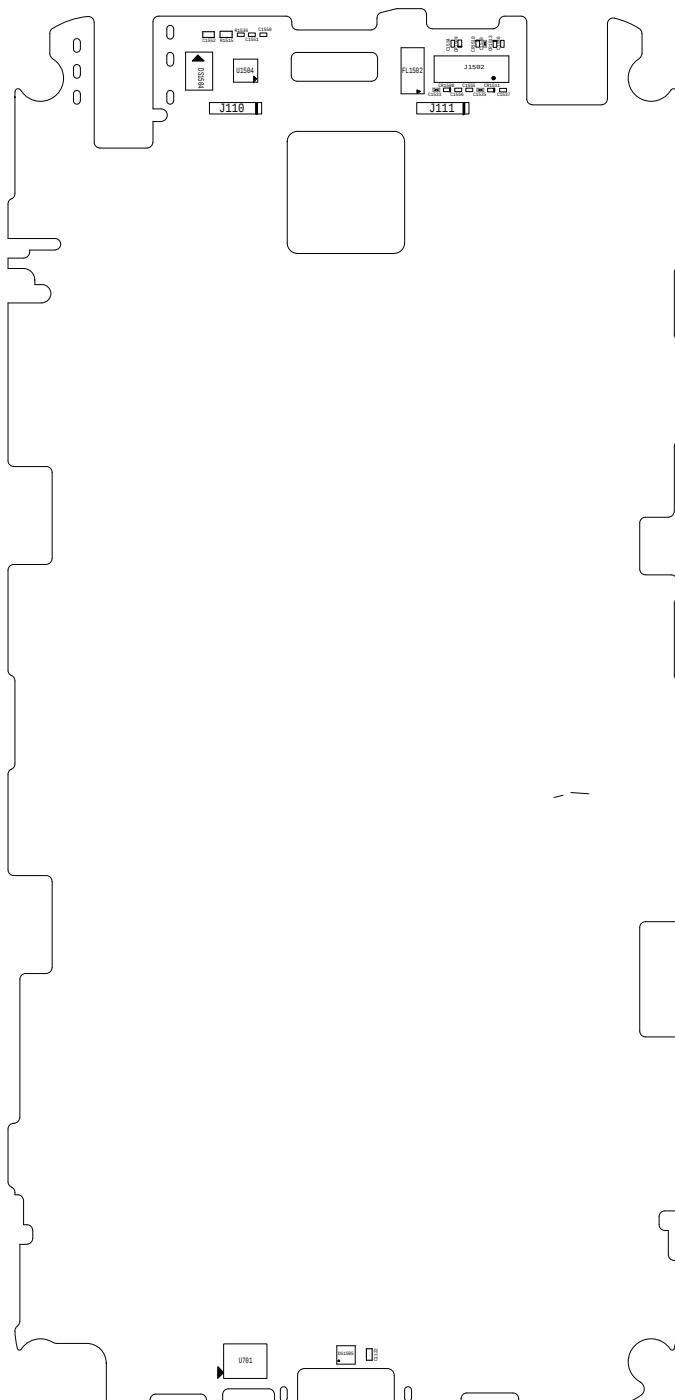
Xiaomi Mi2S

Edited by schemu for MobileGSM

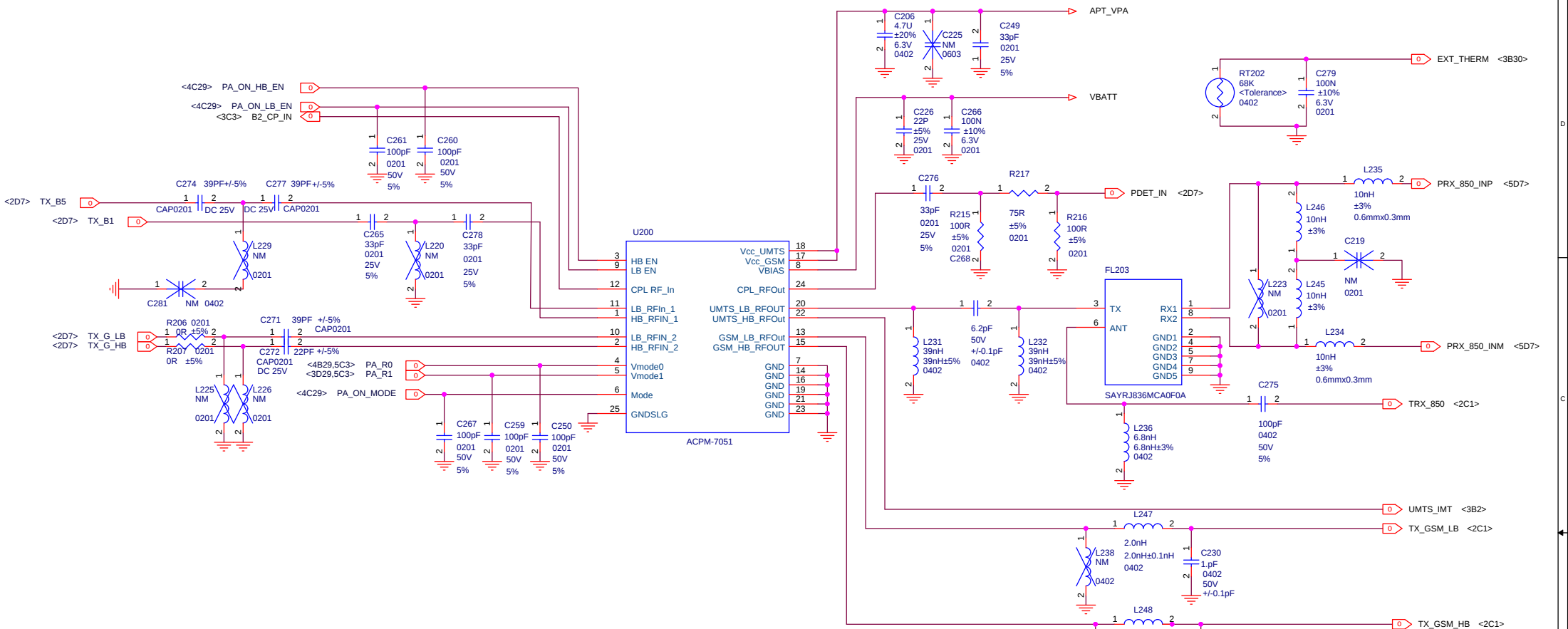




3501M2P4000 BOTTOM LAYER

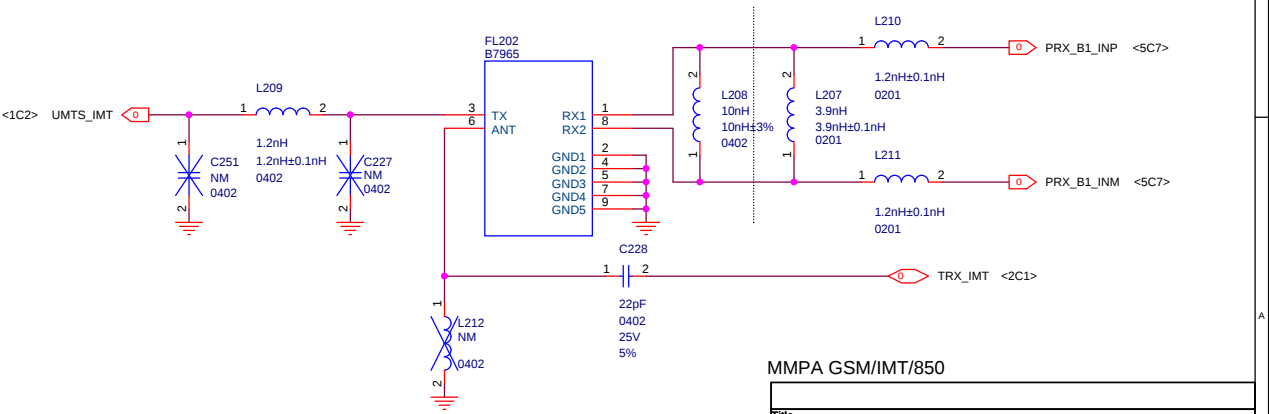


3501M2P4000 TOP LAYER



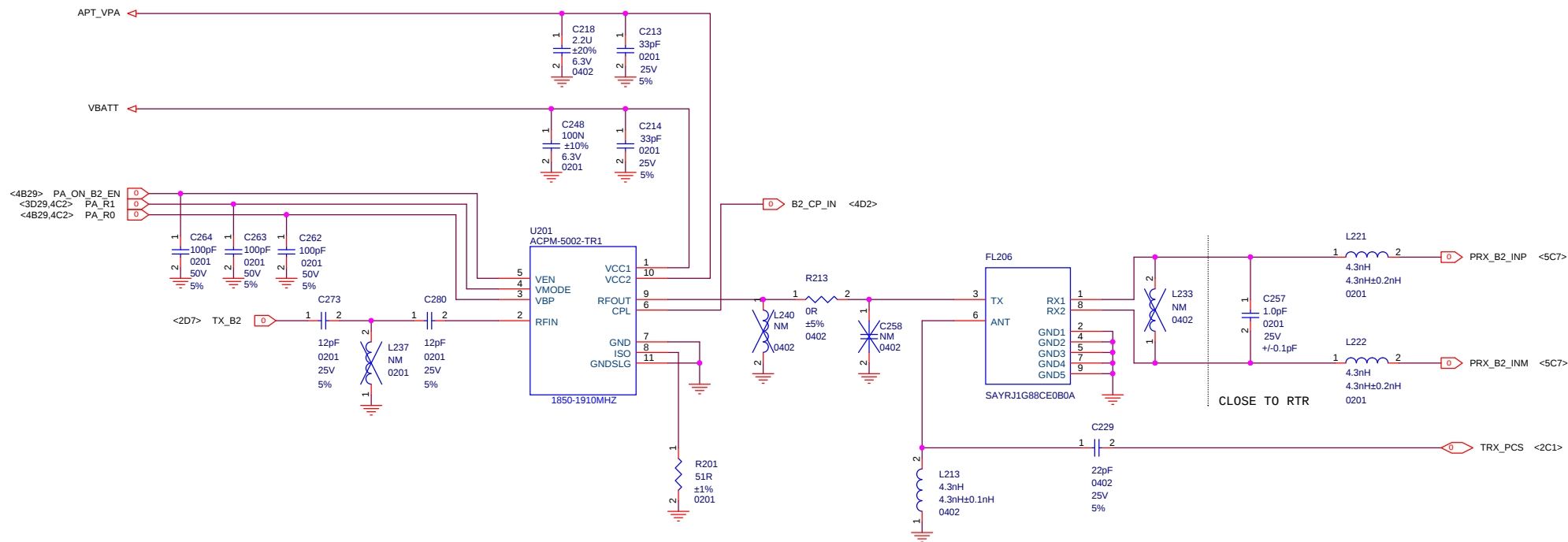
CONTROL LOGIC TABLE

POWER MODE	PA_ON_LB_EN	PA_ON_HB_EN	PA_ON_MODE	PA_R0	PA_R1
POWER DOWN	L	L	L	L	L
GSM_LB_HI_POWER	H	L	L	L	L
GSM LB MID POWER	H	L	L	L	H
GSM LB LOW POWER	H	L	L	H	L
GSM HB HIGH POWER	L	H	L	L	L
GSM HB LOW POWER	L	H	L	H	L
UMTS B5 HIGH POWER	H	L	H	L	X
UMTS B5 MID POWER	H	L	H	H	L
UMTS B5 LOW POWER	H	L	H	H	H
UMTS B1 HIGH POWER	L	H	H	L	X
UMTS B1 MID POWER	L	H	H	H	L
UMTS B1 LOW POWER	L	H	H	H	H



MMPA GSM/IMT/850

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PA LOGIC

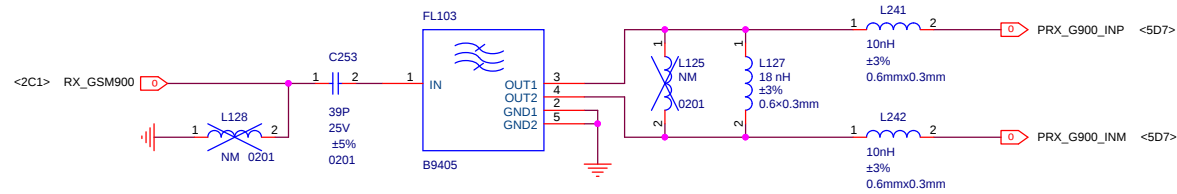
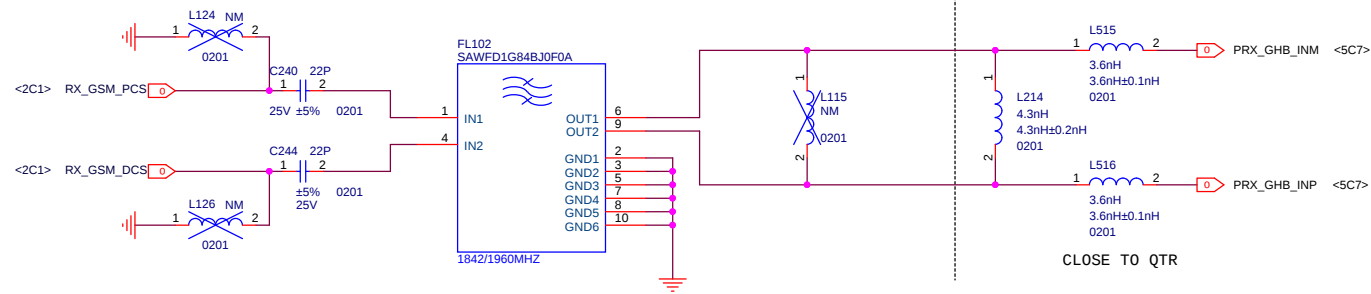
POWER MODE	PA_ON_B2_EN	PA_R0	PA_R1
HIGH POWER	H	L	L
MEDIUM POWER	H	L	H
LOW POWER	H	H	H
SHUT DOWN	L	L	L

PCS/AWS

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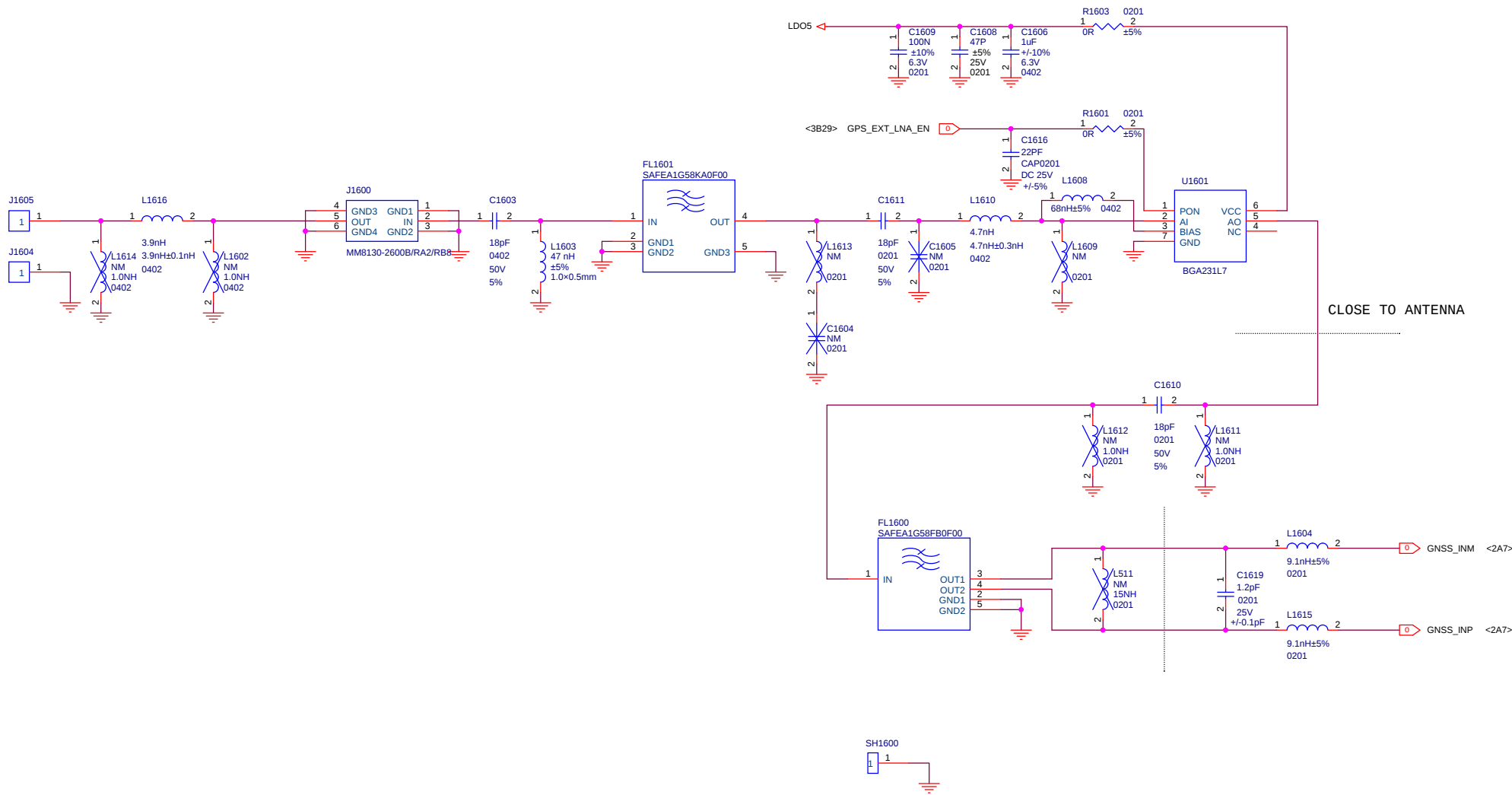


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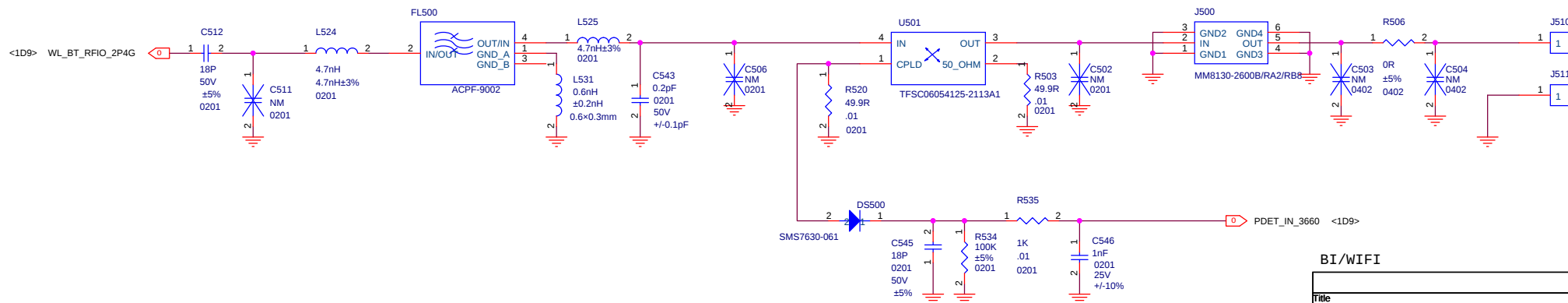
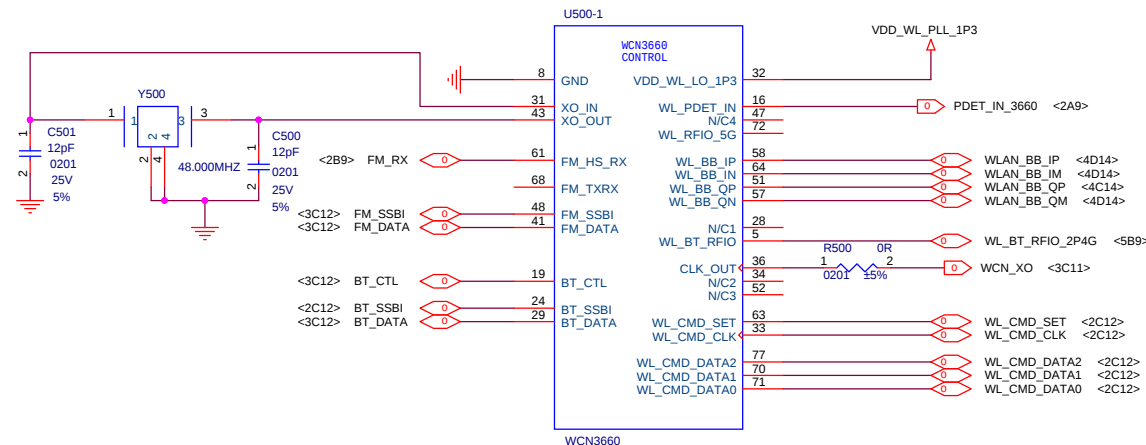
GSM RX

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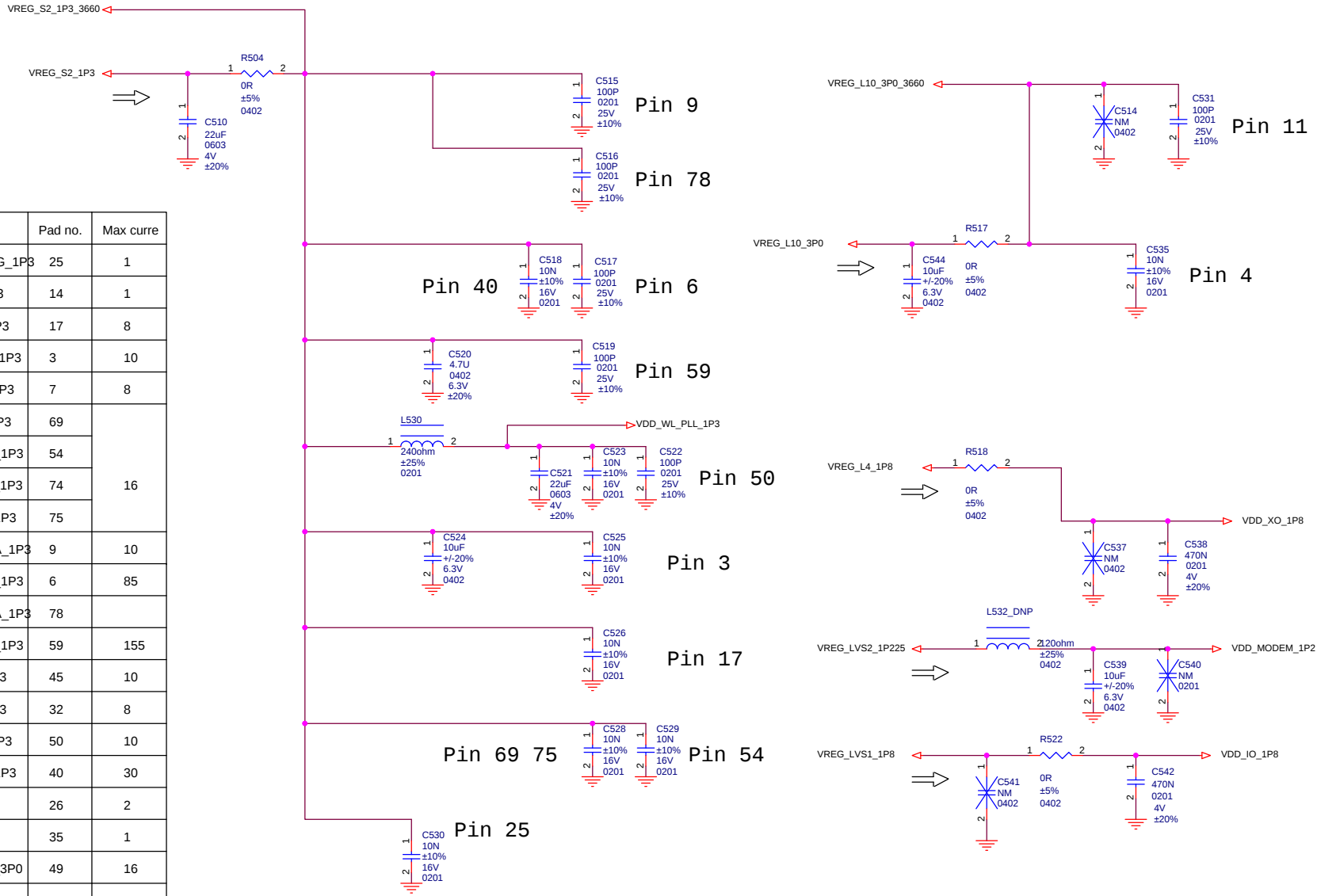


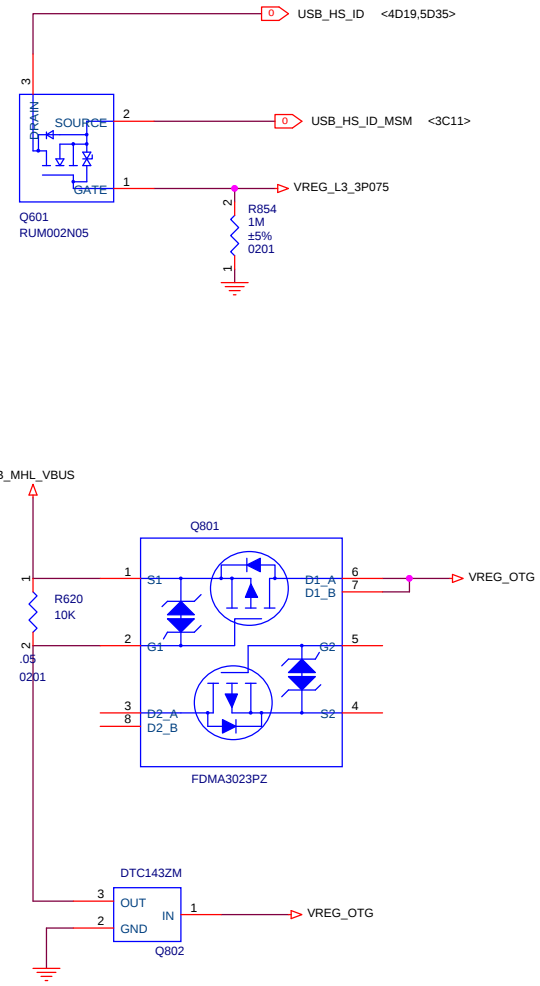
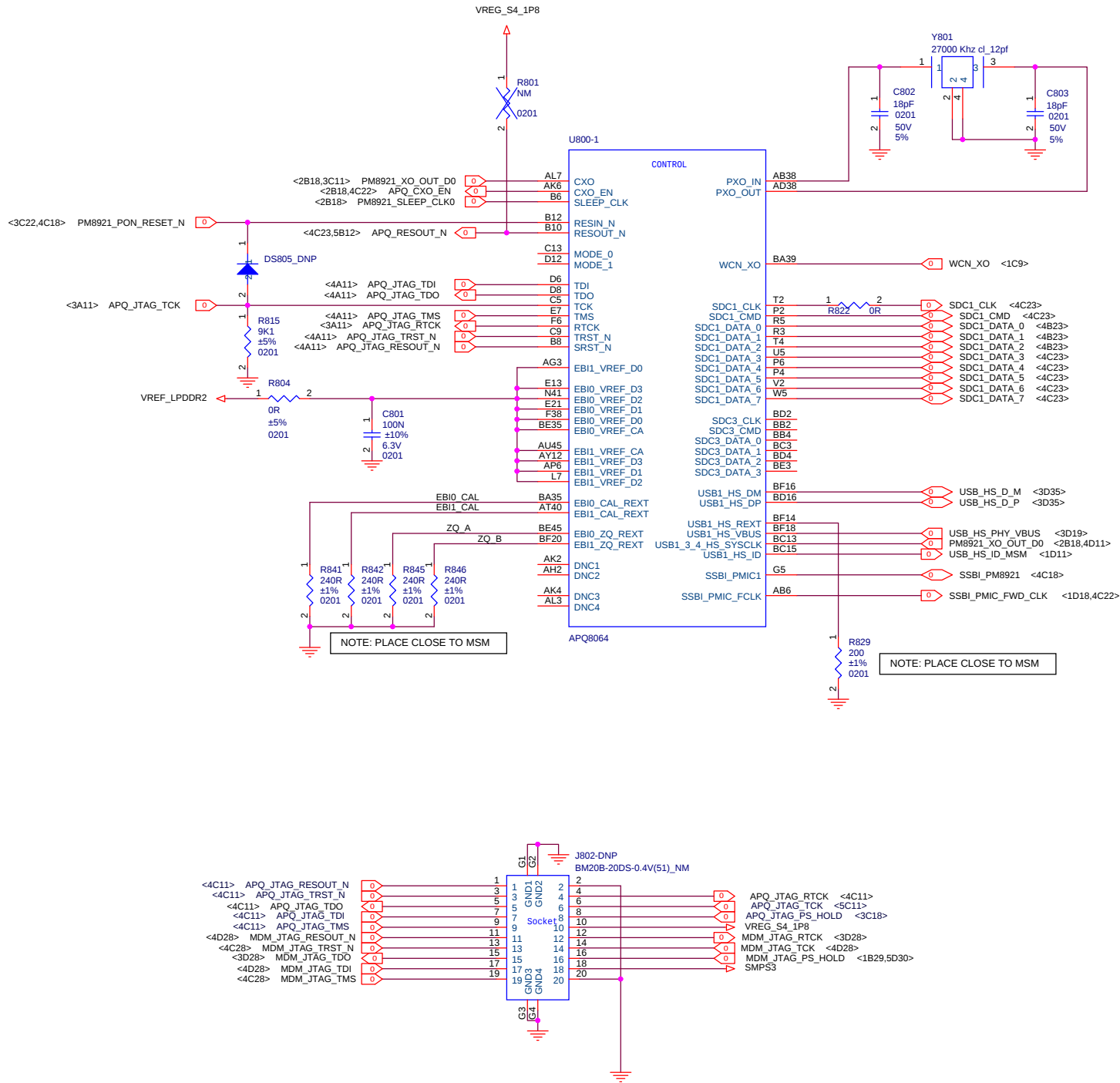
GPS

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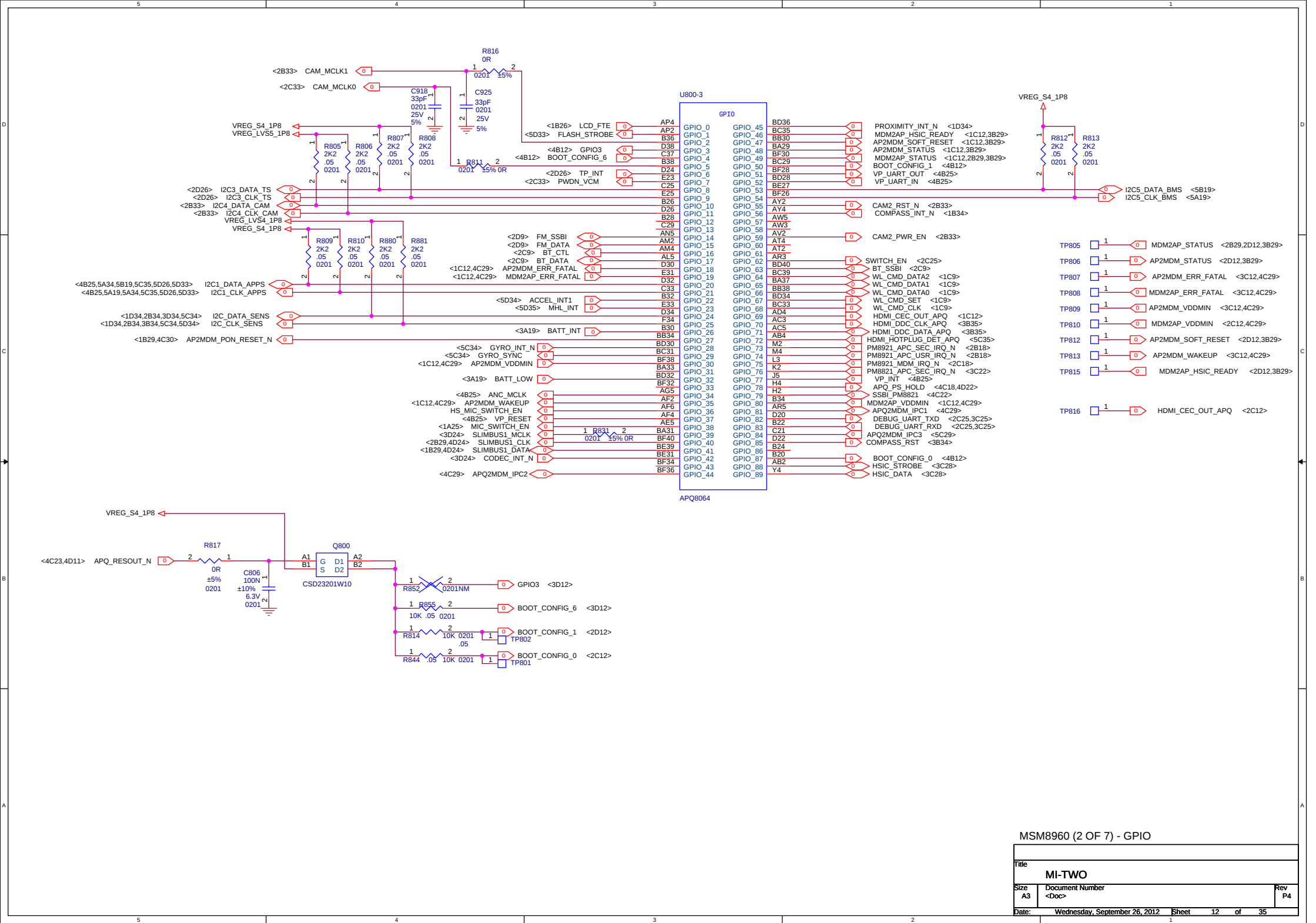
Voltage	Pad name	Pad no.	Max curre
1P3	VDD_BT_FM_DIG_1P3	25	1
	VDD_BT_BB_1P3	14	1
	VDD_BT_PLL_1P3	17	8
	VDD_BT_RXRF_1P3	3	10
	VDD_BT_VCO_1P3	7	8
	VDD_FM_PLL_1P3	69	16
	VDD_FM_RXBB_1P3	54	
	VDD_FM_RXFE_1P3	74	
	VDD_FM_VCO_1P3	75	
	VDD_WL_2GLNA_1P3	9	10
	VDD_WL_2GPA_1P3	6	85
	VDD_WL_5GLNA_1P3	78	155
	VDD_WL_5GPA_1P3	59	
	VDD_WL_BB_1P3	45	
	VDD_WL_LO_1P3	32	
1P8	VDD_XO_1P8	26	2
	VDD_IO_1P8	35	1
3P0	VDD_FM_TXDA_3P0	49	16
	VDD_WL_2GPA_3P0	11	560
	VDD_WL_5GPA_3P0	73	600
	VDD_BT_TXRF_3P0	4	45
1P2	VDD_DIG_1P2	30	4

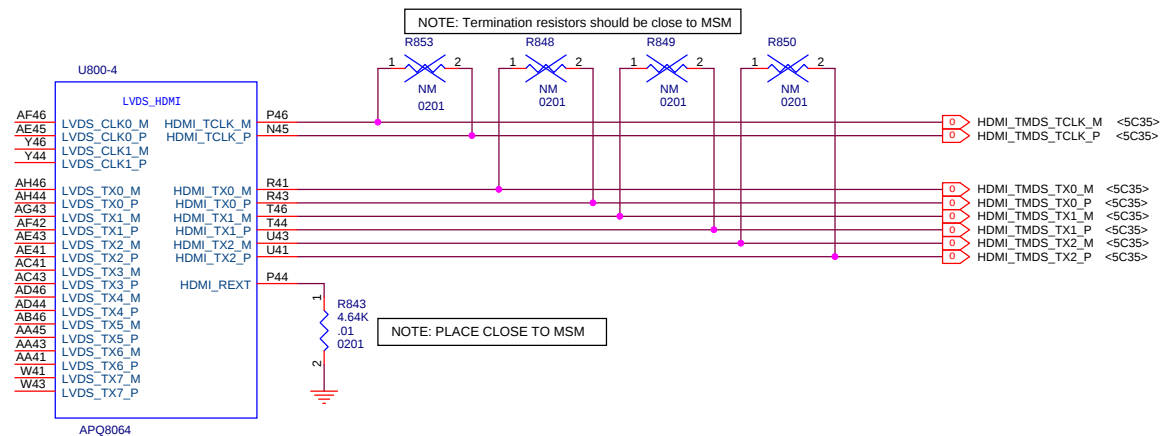
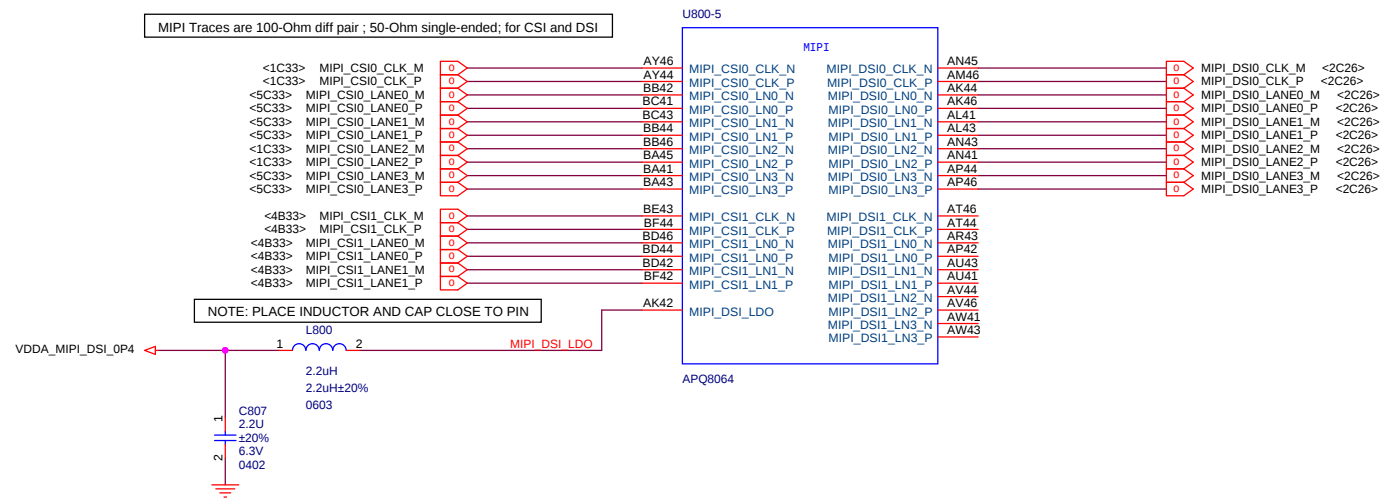




MSM8960 (1 OF 9) - CONTROL

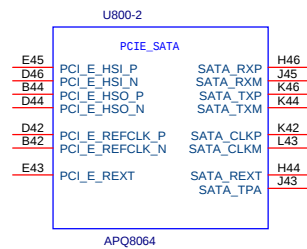
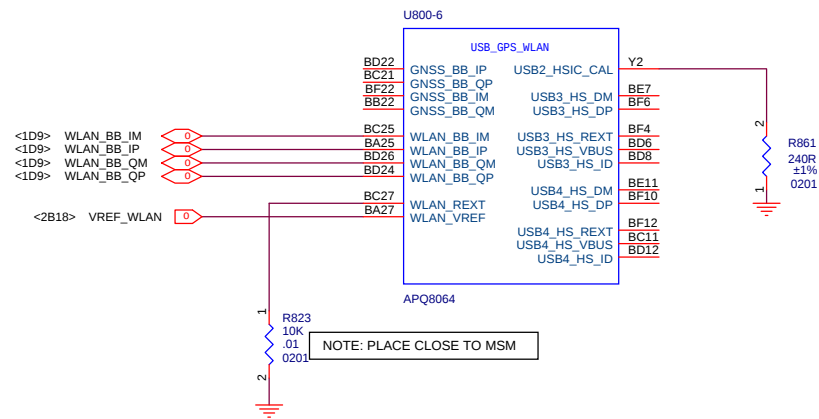
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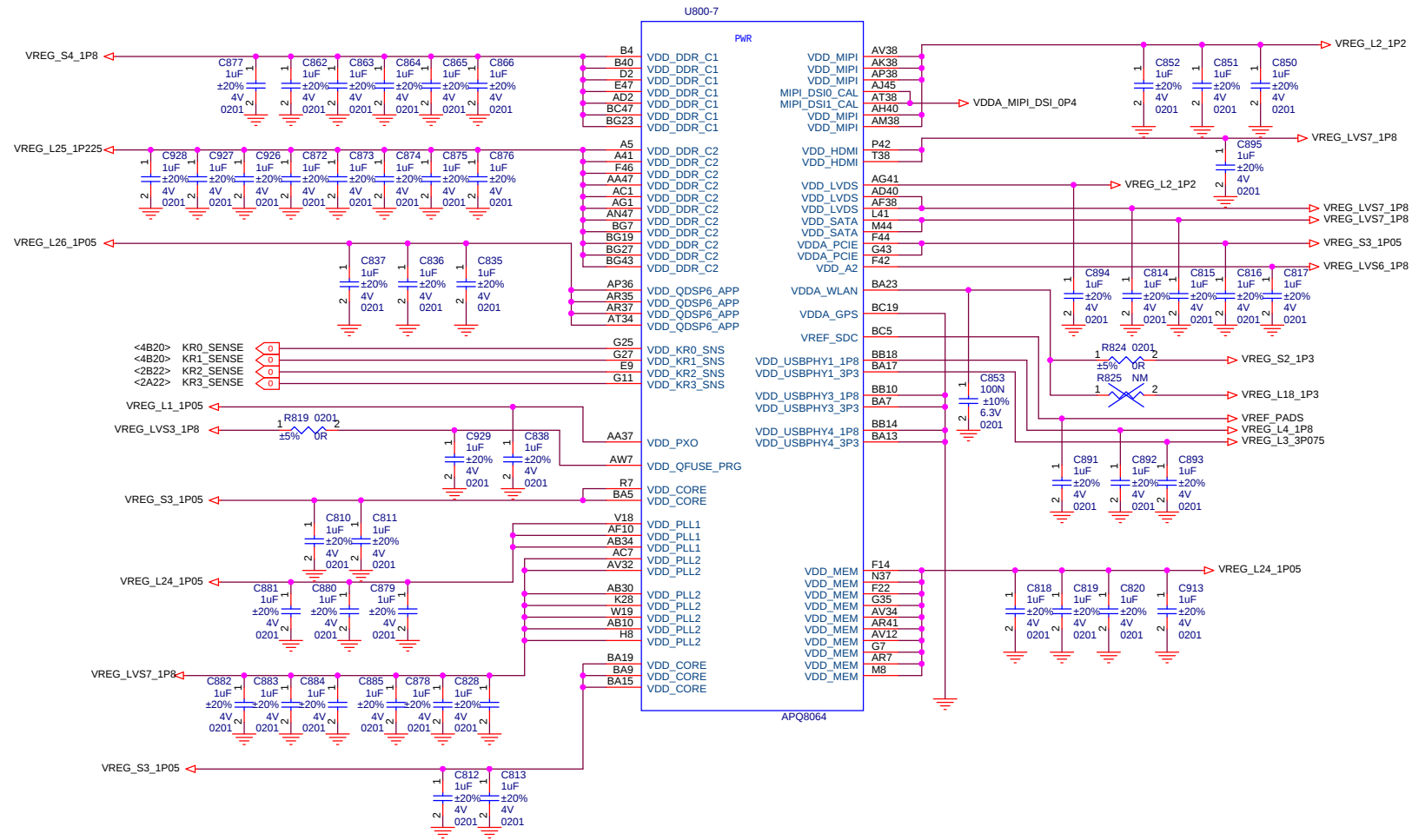




MSM8960 (3 OF 7) - MSM8960 MIPI DSI,CSI and HDMI

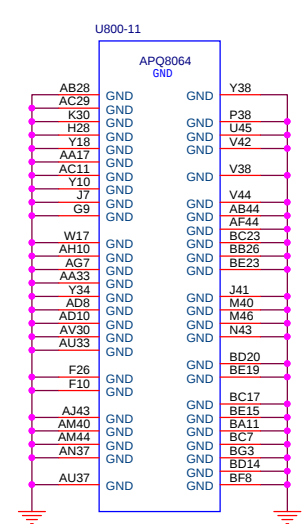
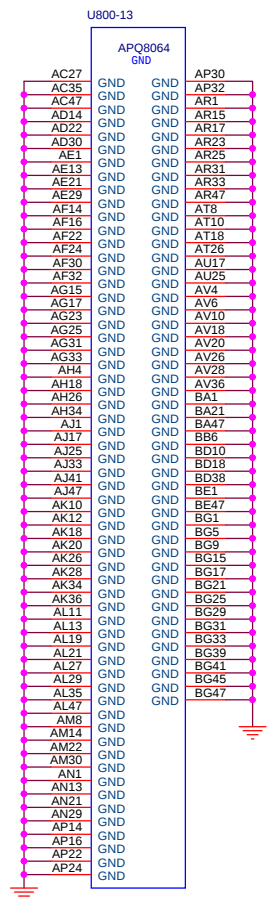
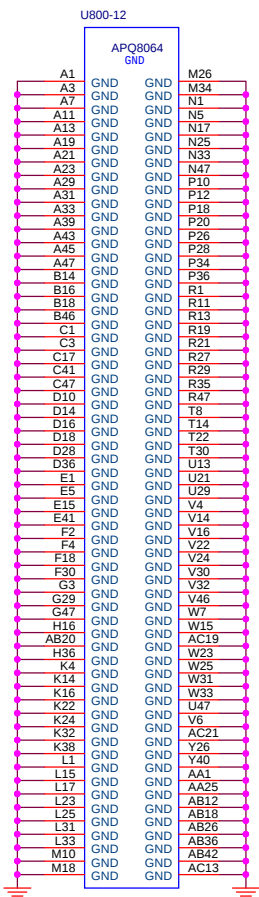
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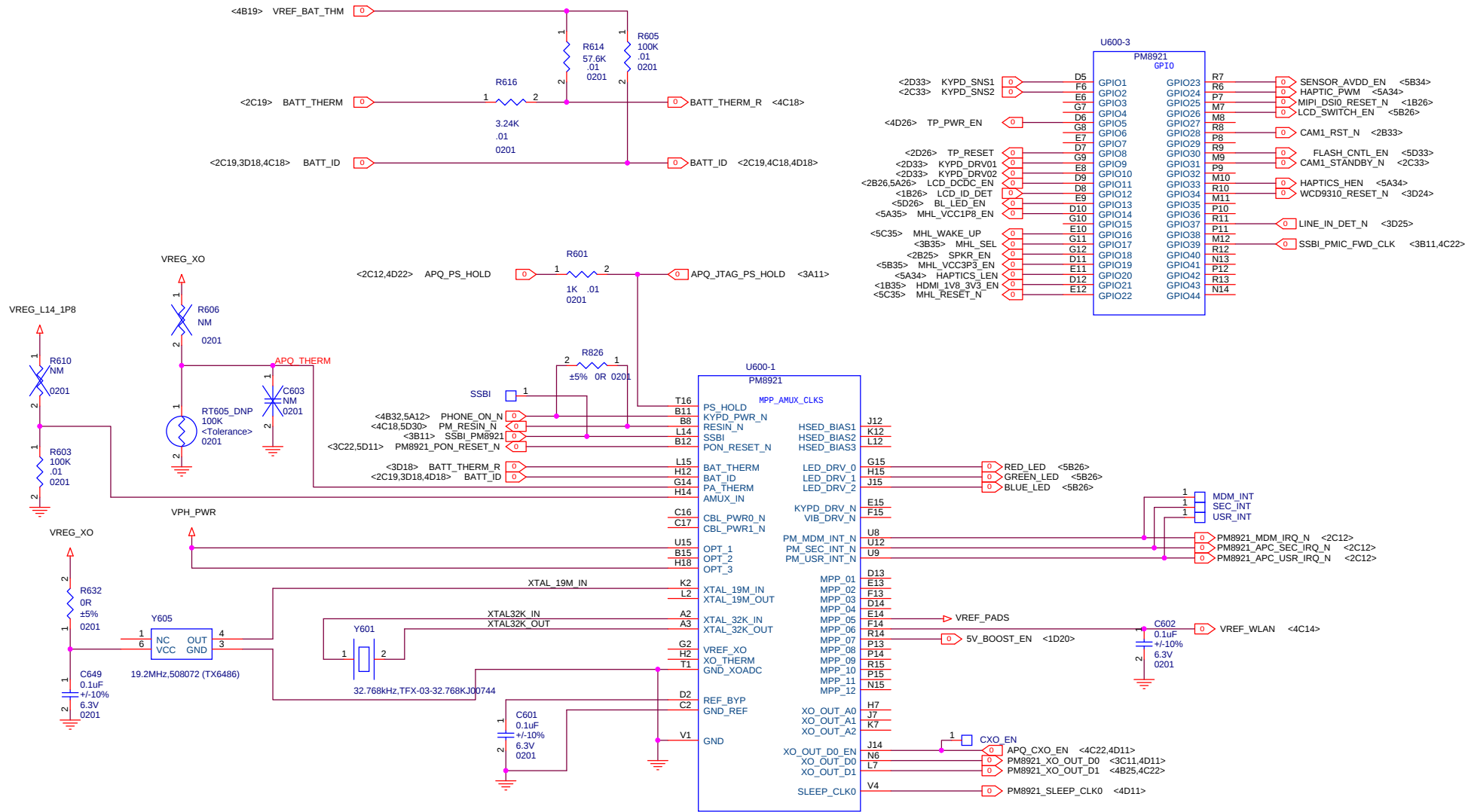


MSM8960 (5 OF 7) - MSM8960 POWER1

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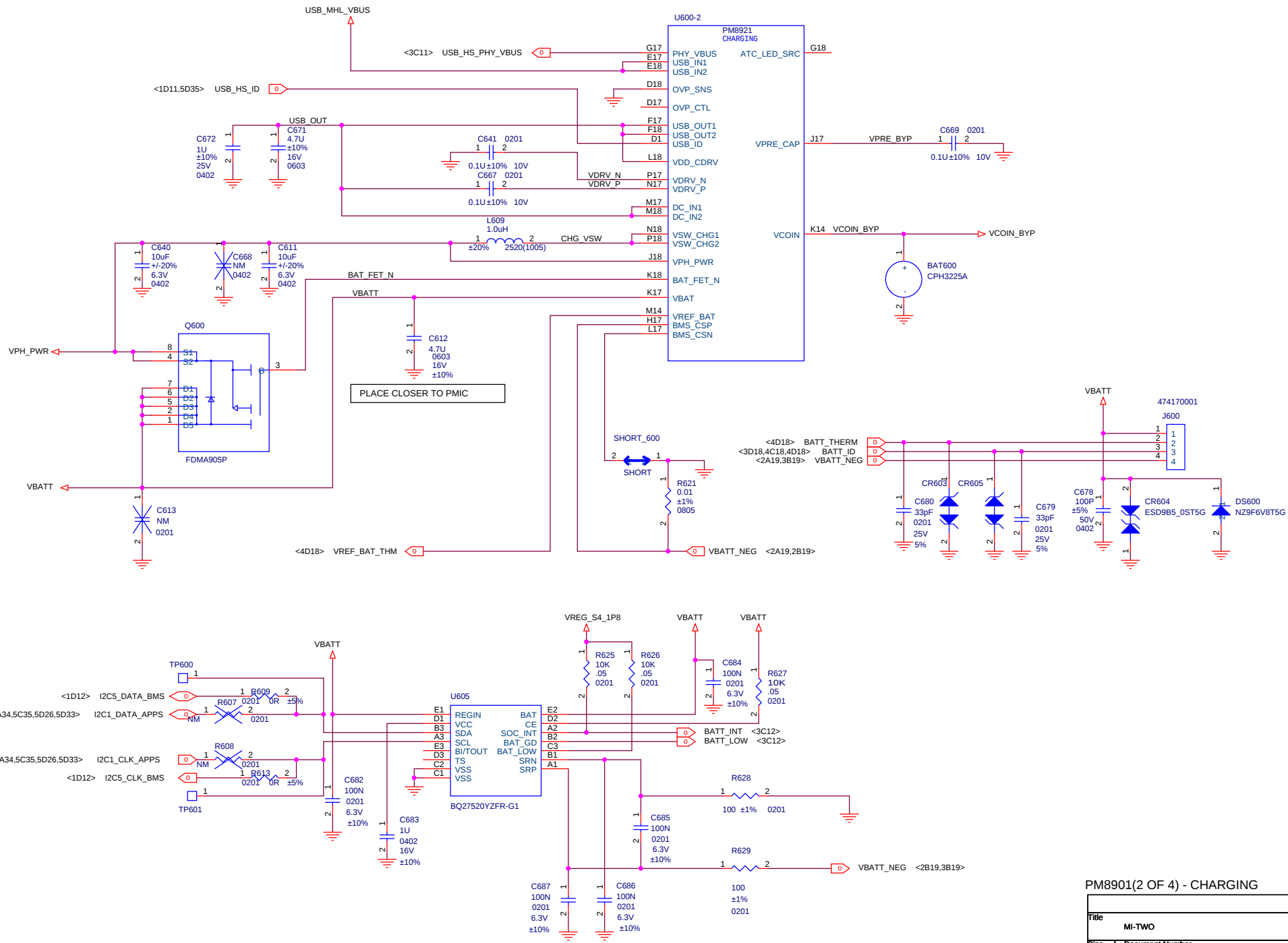


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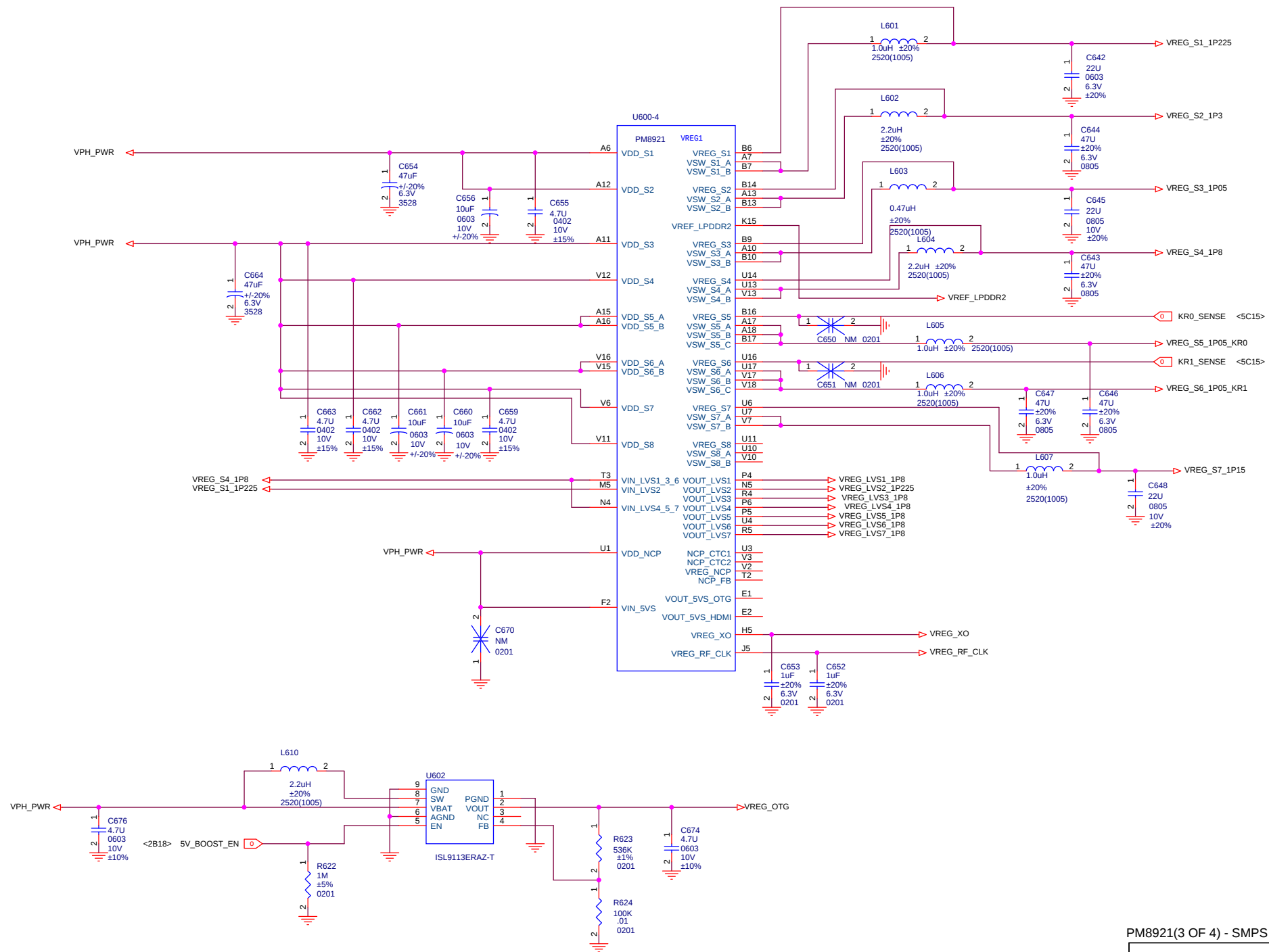
PM8921(1 OF 4)-AMUX,CLK,GPIO

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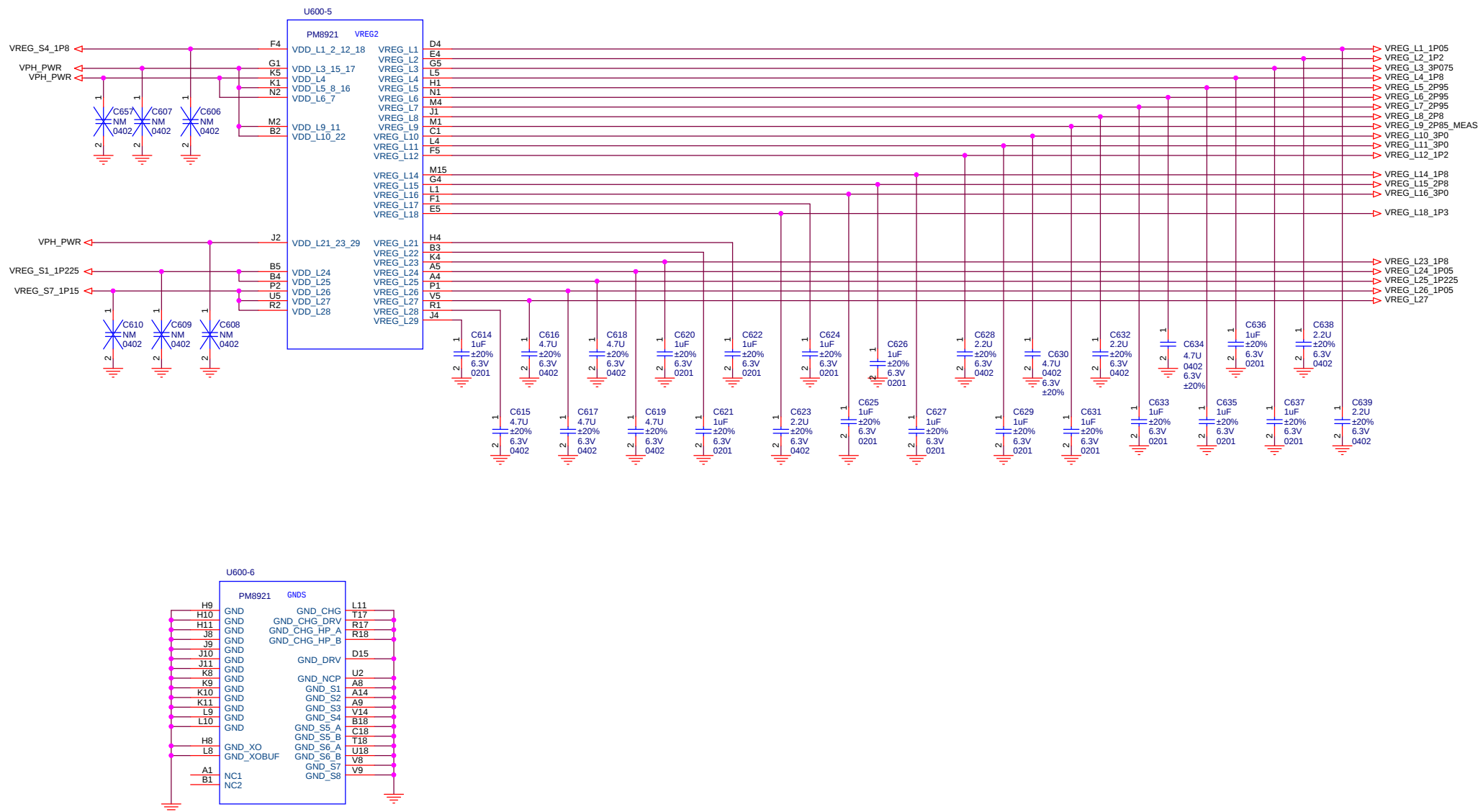
PM8901(2 OF 4) - CHARGING

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PM8921(3 OF 4) - SMPS

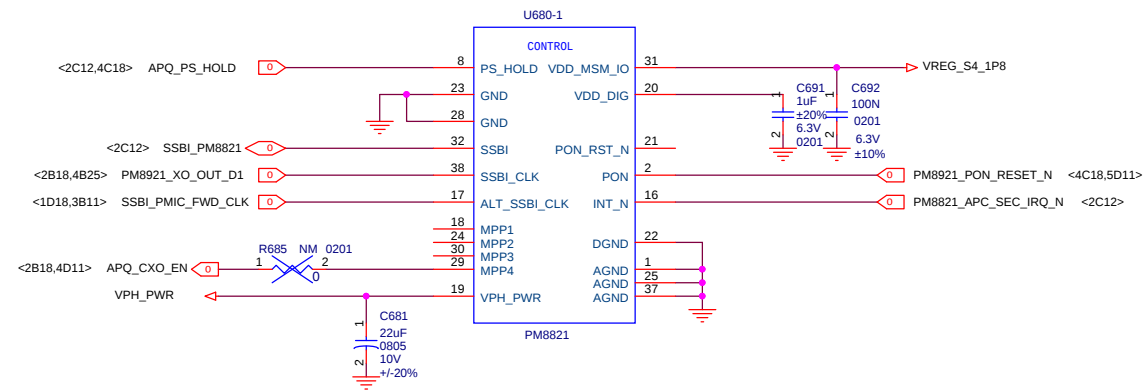
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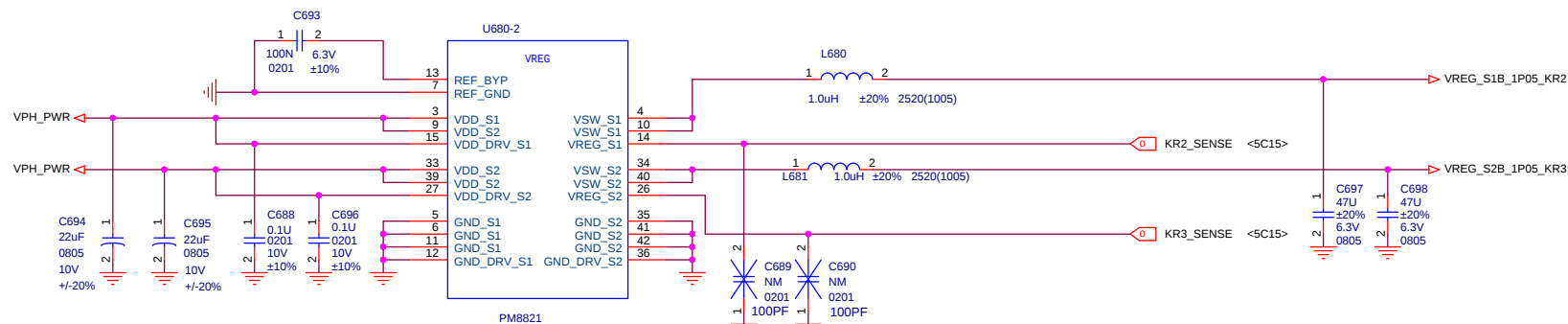
PM8901(4 OF 4) - LDO

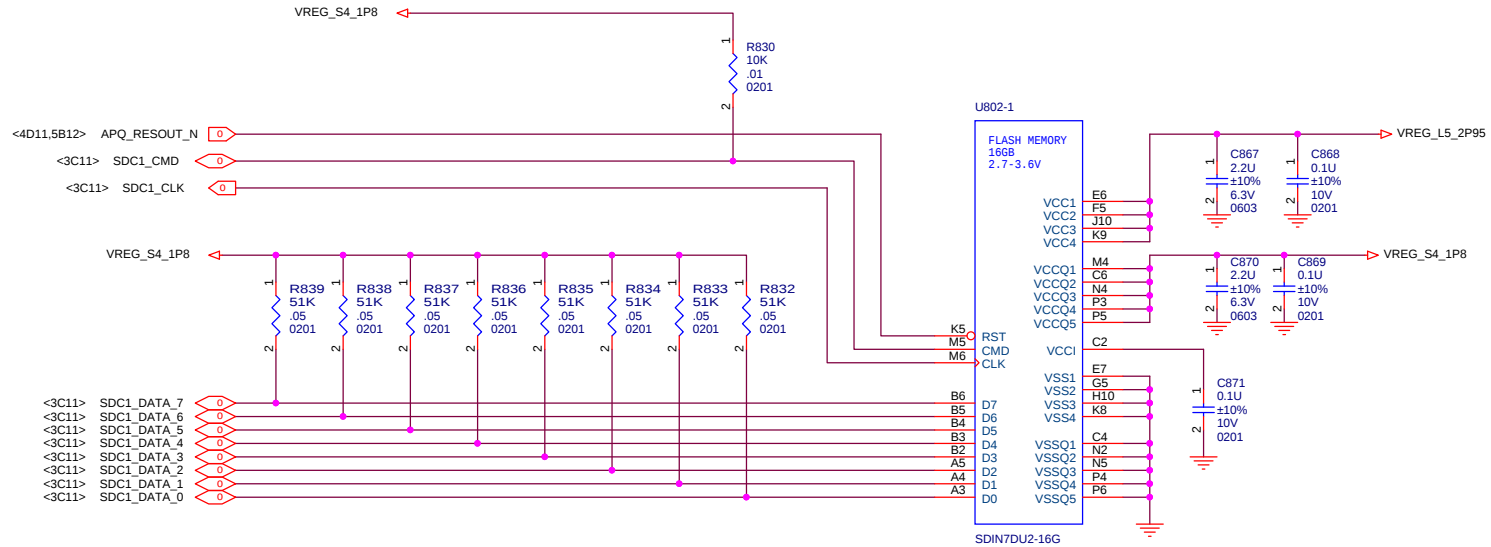
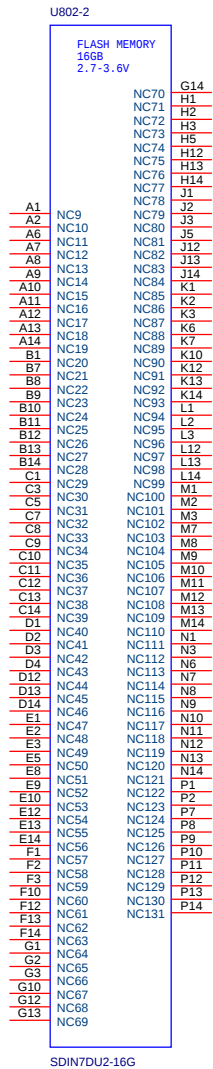
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PM8821 CONTROL



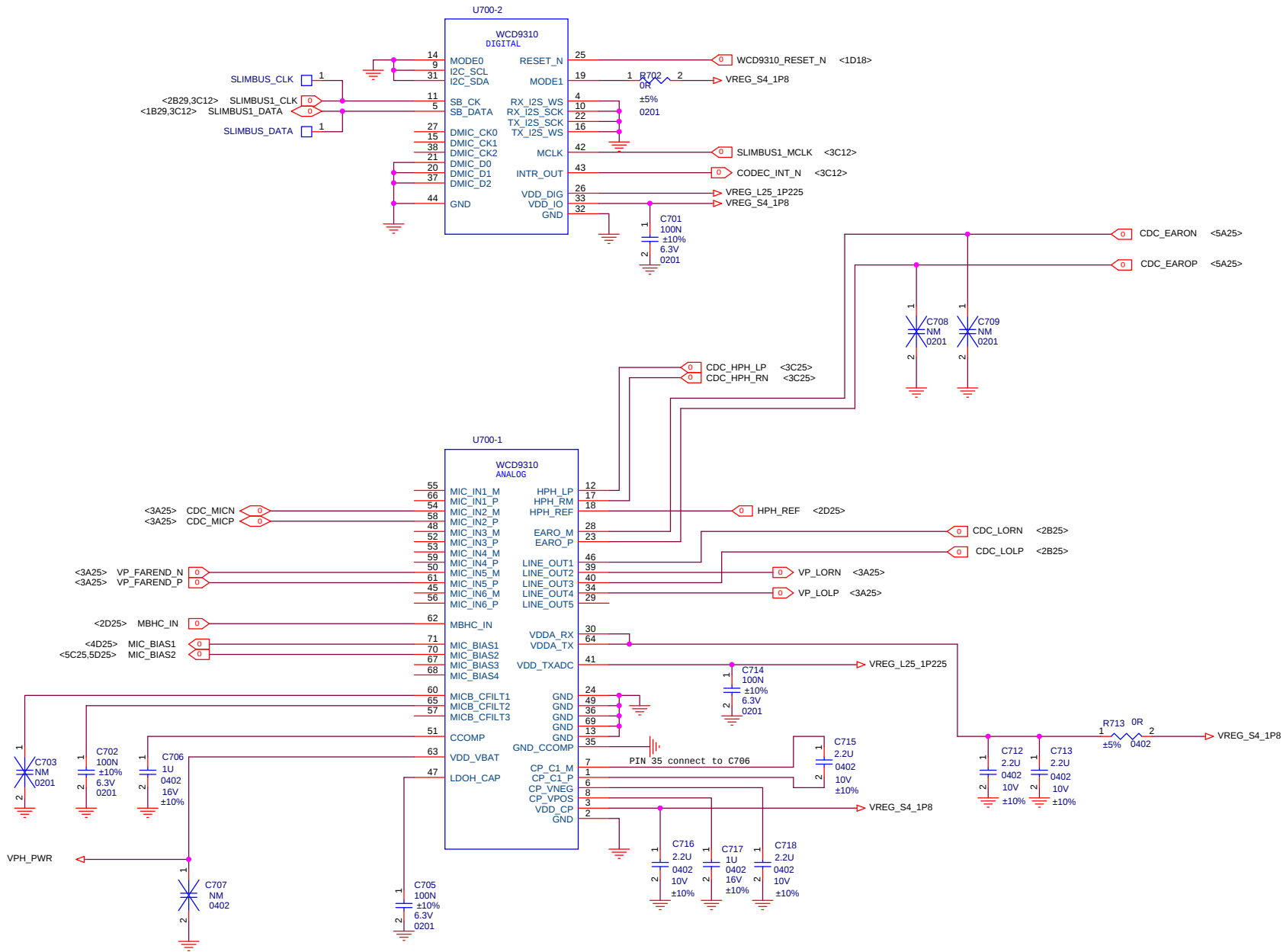
PM8821 VREGS





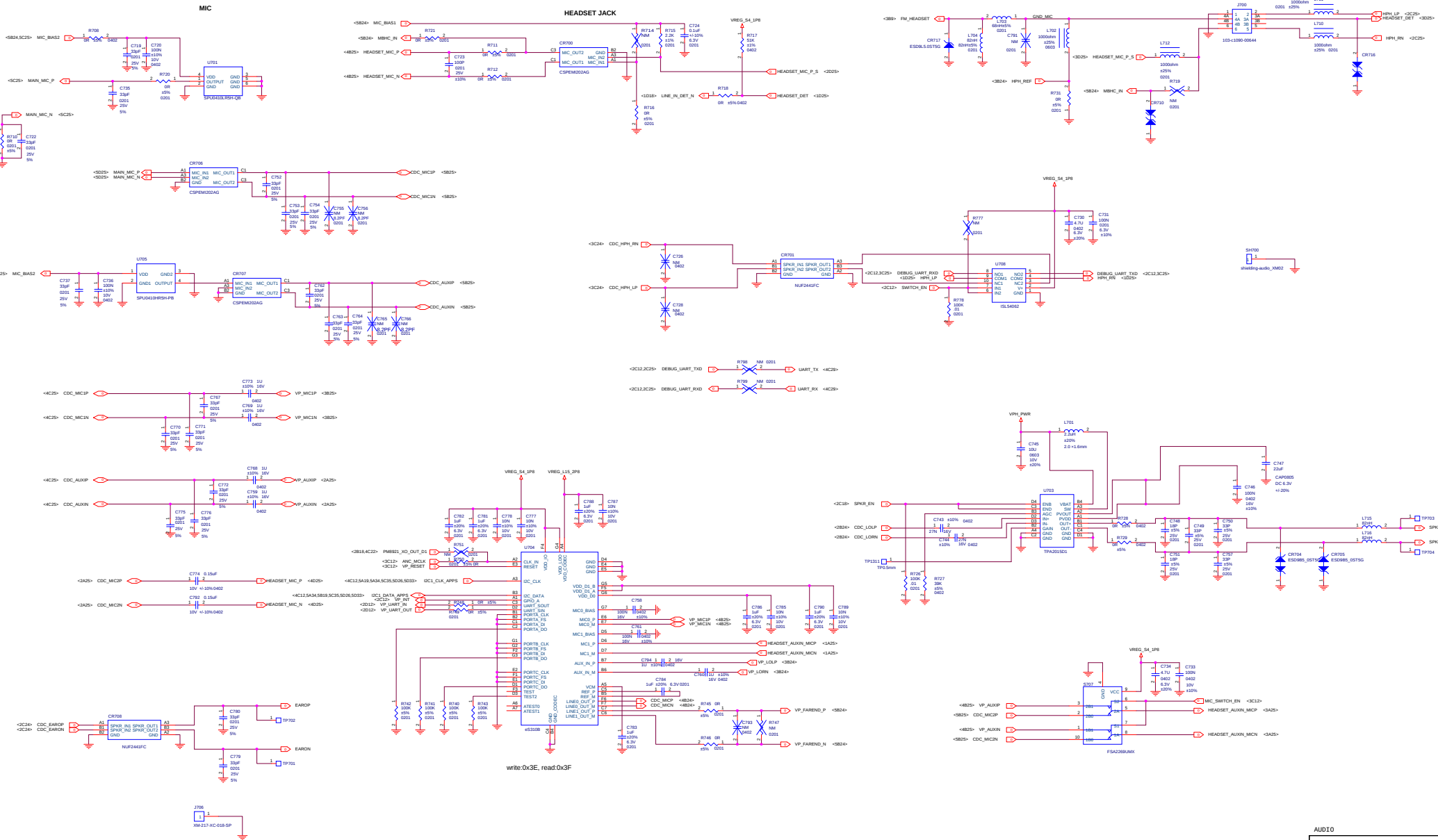
MEMORY

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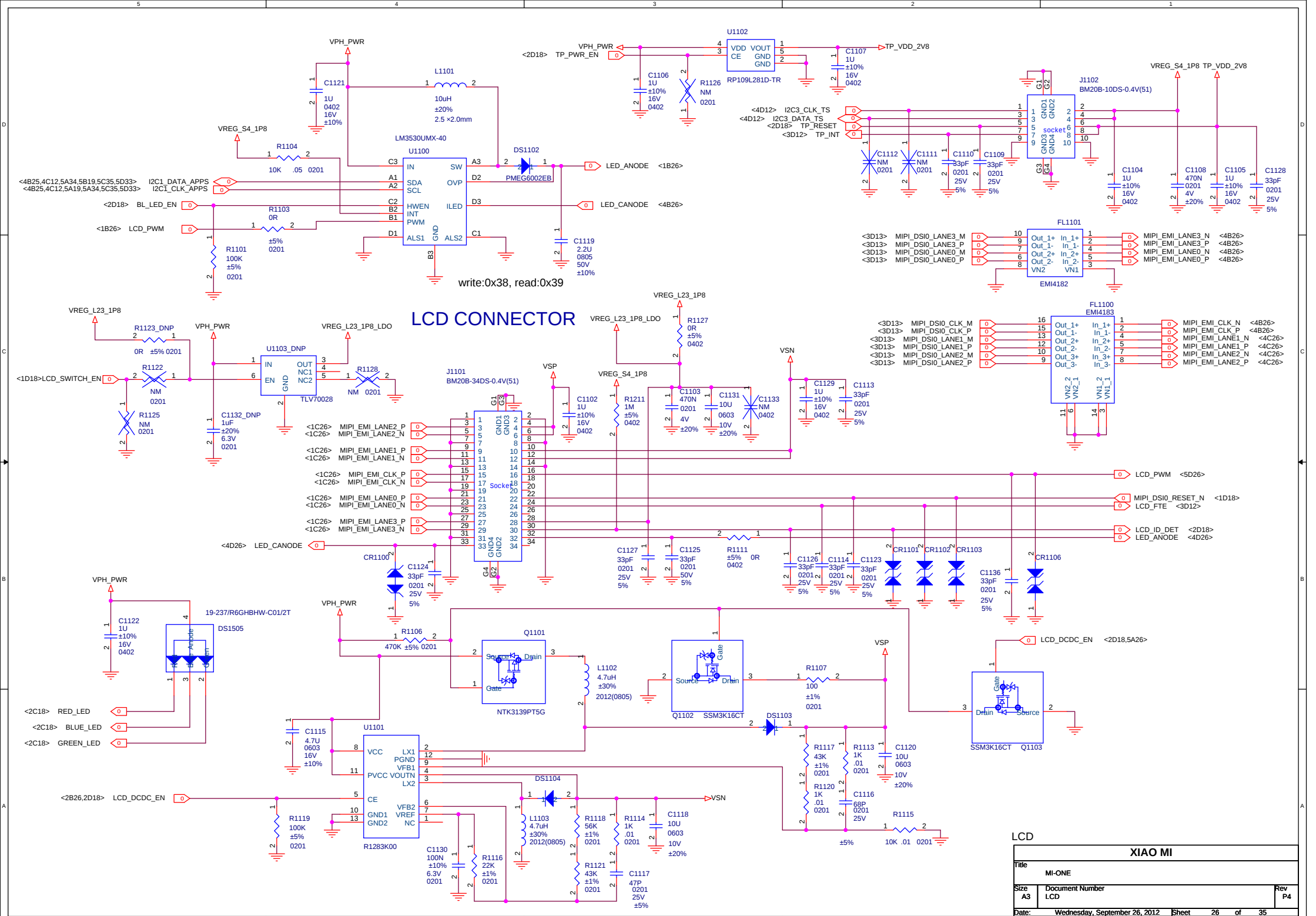


WCD9310

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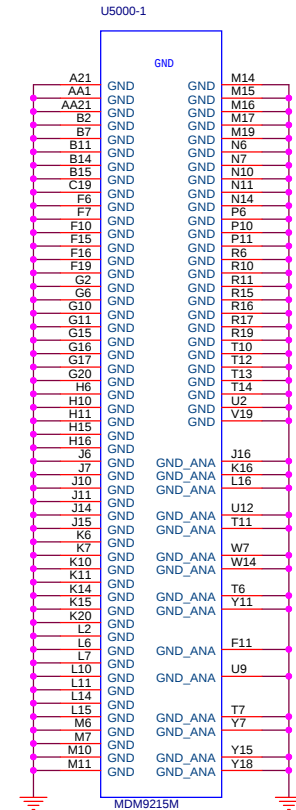
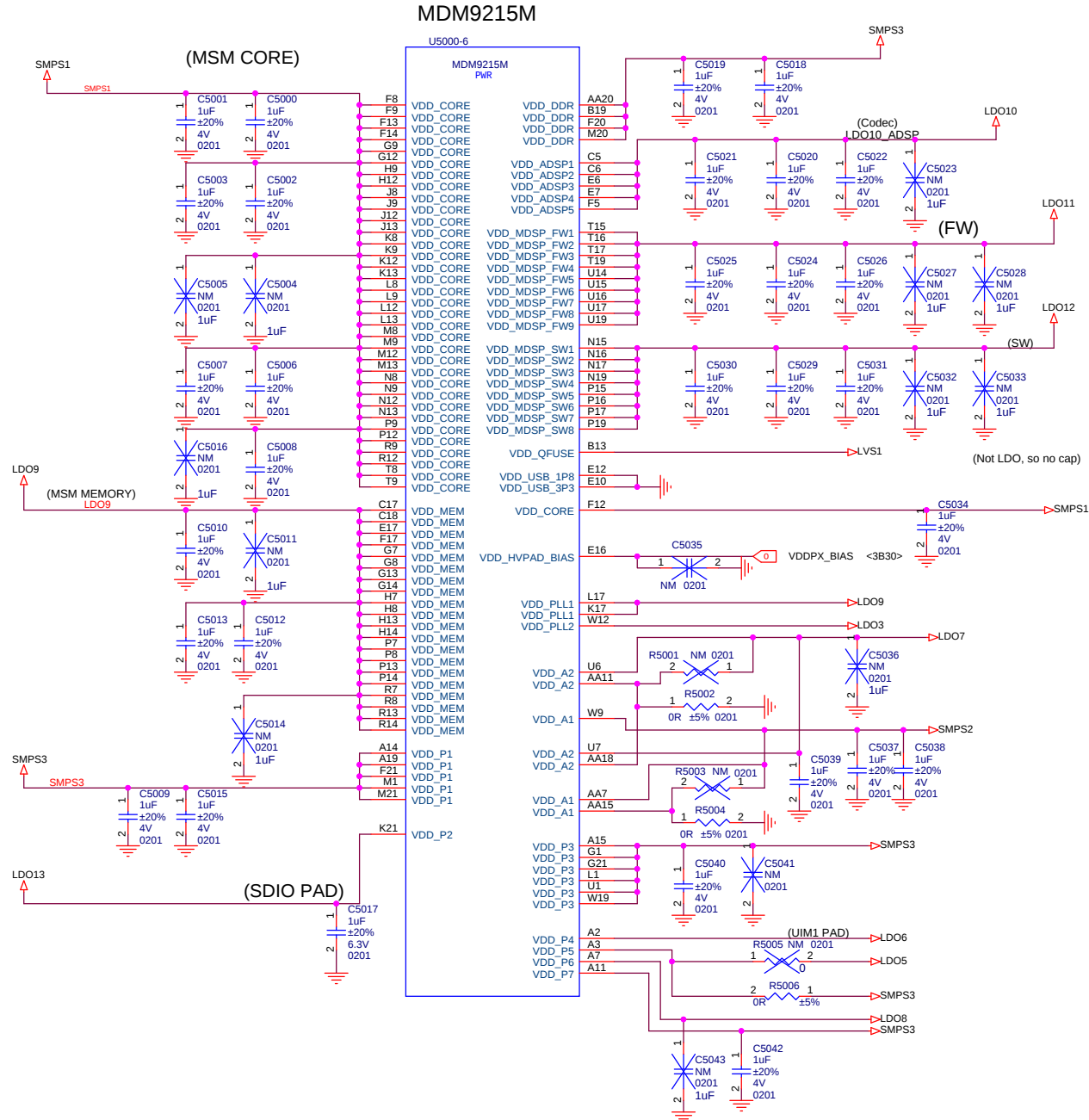


AUDIO			
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MDM9215M : POWER

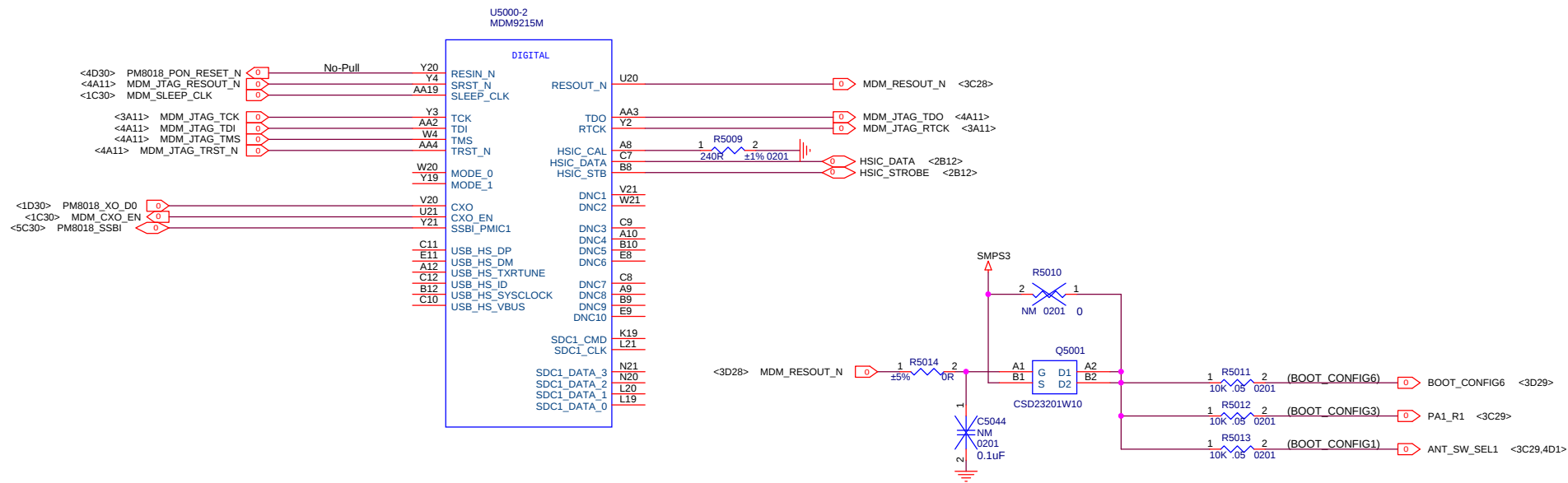
MDM9215M: GND



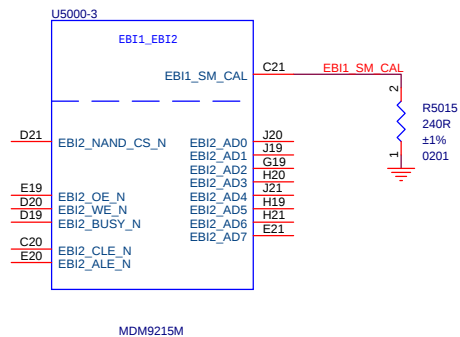
MDM9215M : POWER AND GND

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MDM9215M : DIGITAL



MDM9215M : MEMORY

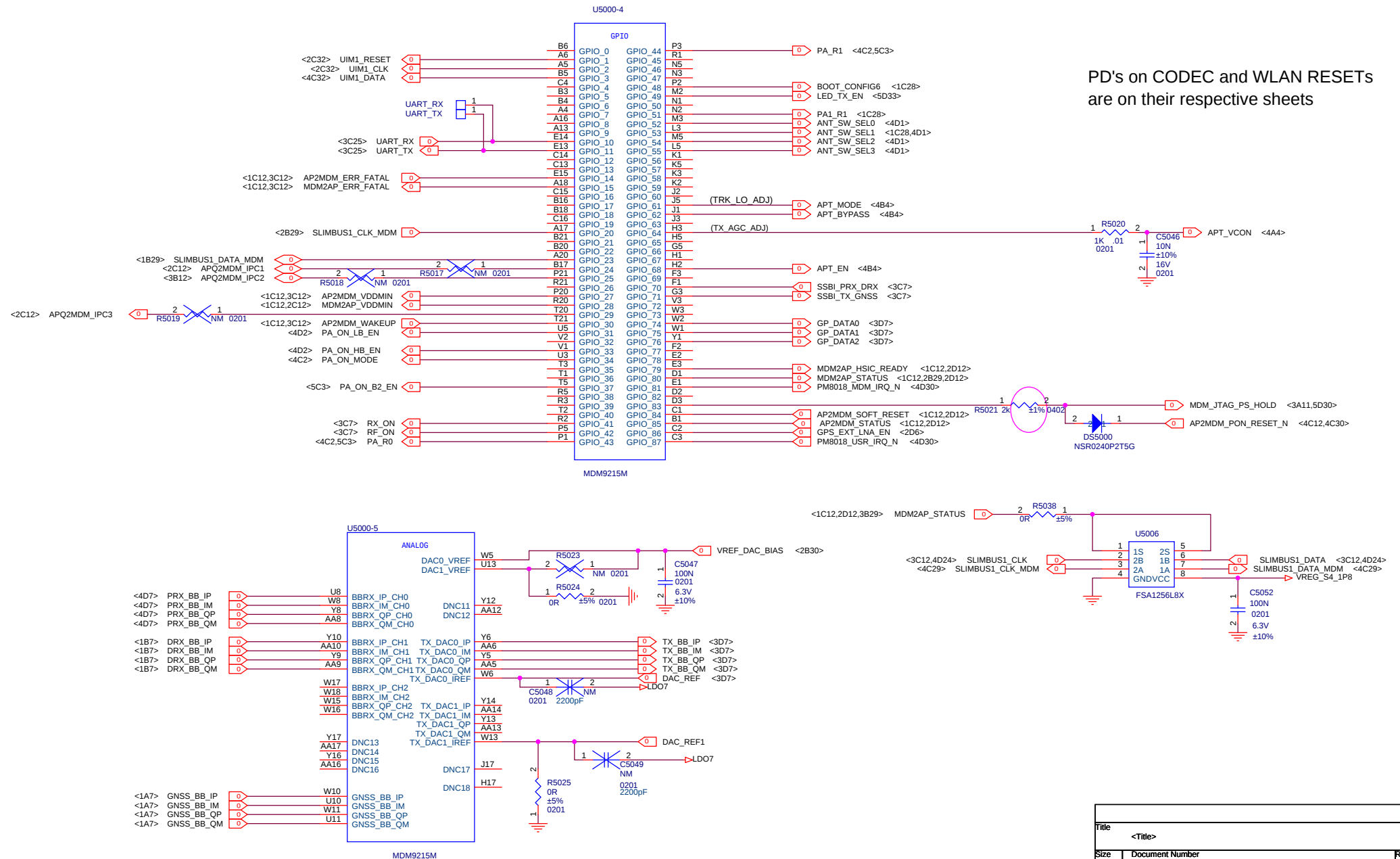


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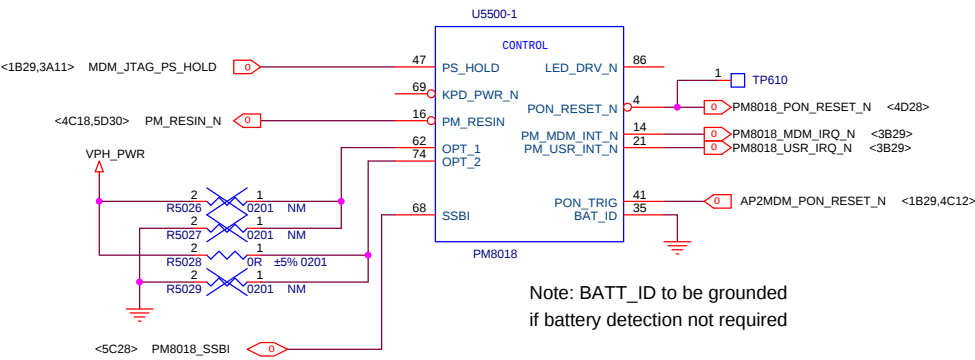
MDM9215M : GPIO & ANALOG IO

MDM9215M

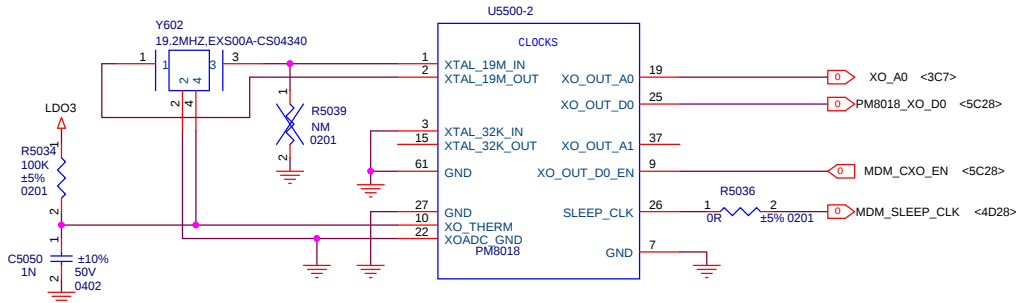


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PM8018 : CONTROL

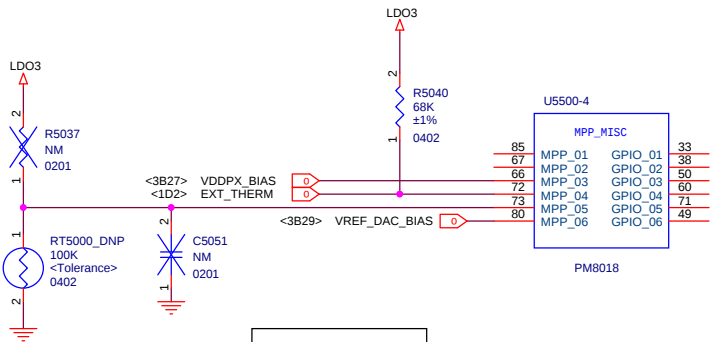
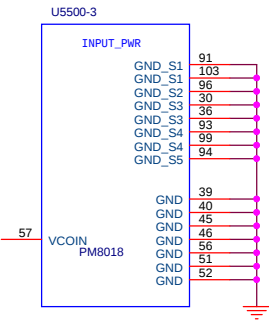


PM8018 : CLOCKS



PM8018 : GPIO AND MPPS

PM8018 : GND

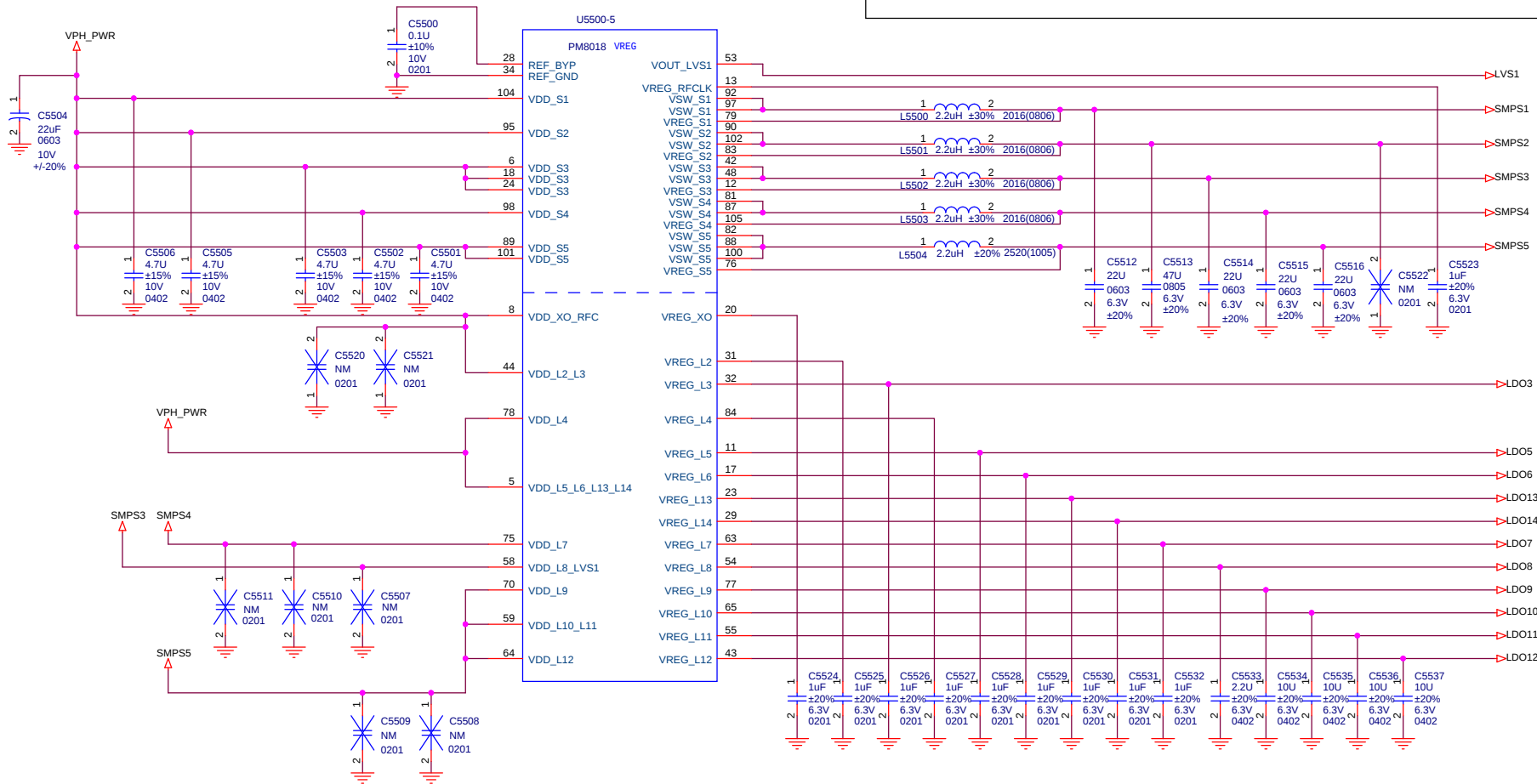


PM MPP/GPIO PADS	
LDO6	1.8/2.85V
LDO5	1.8/2.85V
SMPS3	1.8V
LDO14	2.85V
LDO2	1.8V
LDO4	3.075V
VDD_L4	VBATT

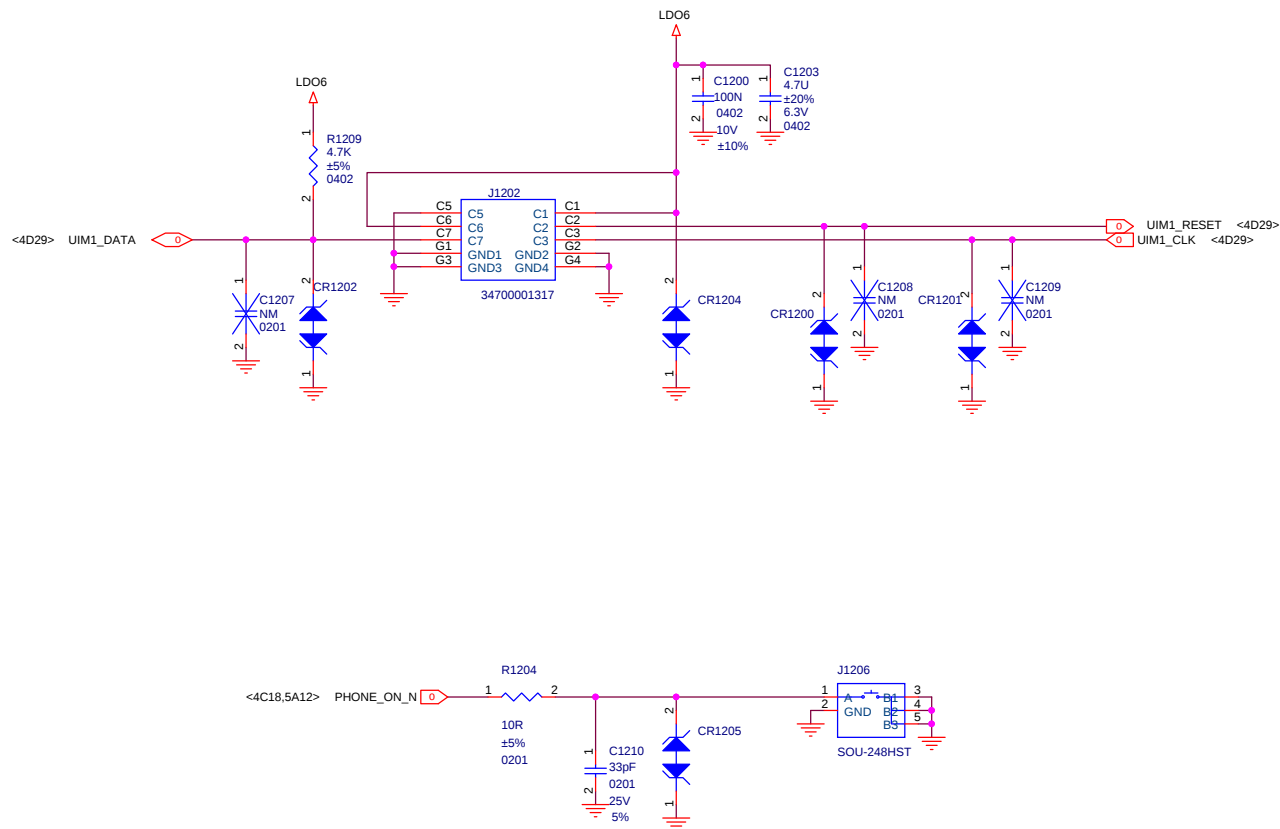
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PM8018 REGULATORS

For S1-S4: Primary SMPS Inductor: Cyntec 2016 1.0mm height 2.2uH
Alternative SMPS Inductor: TOKO 2016 1.2mm height 2.2uH
For S5: TDK 2520 1.0mm. 2.2uH, TFM252010A or equivalent.

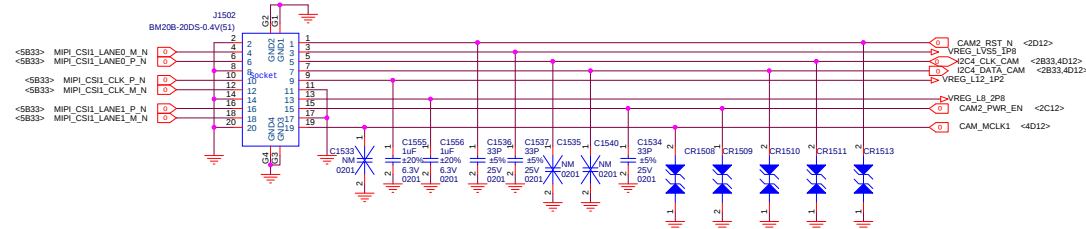
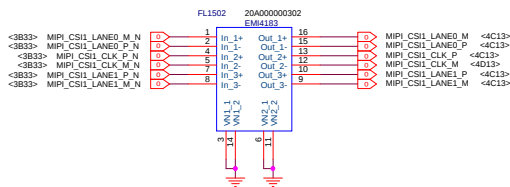
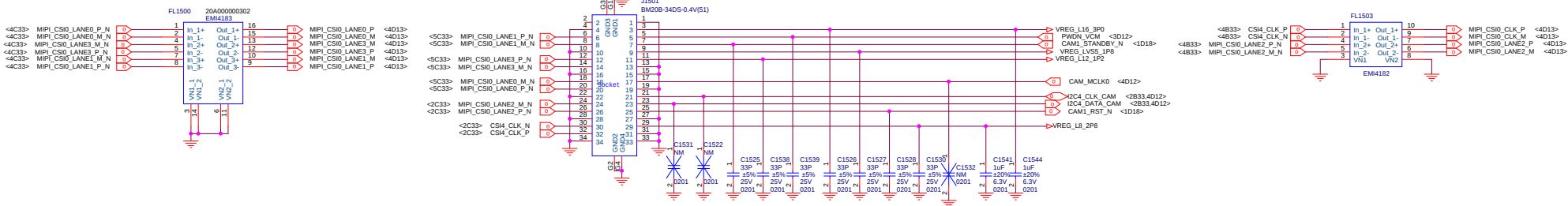
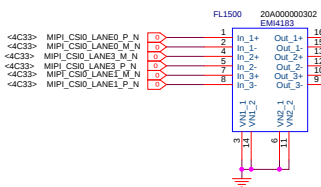
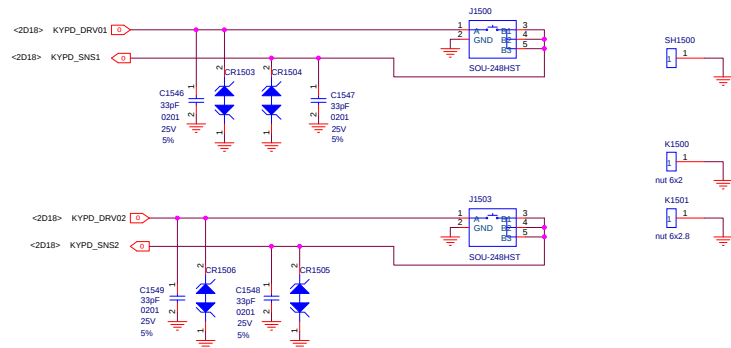


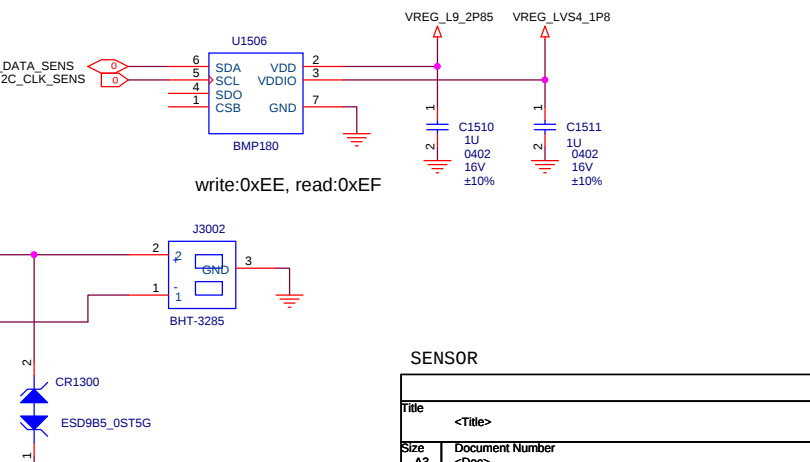
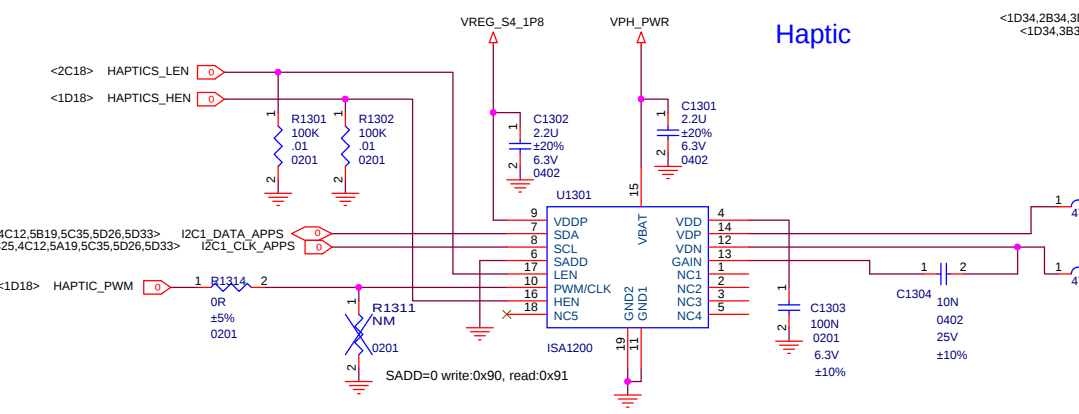
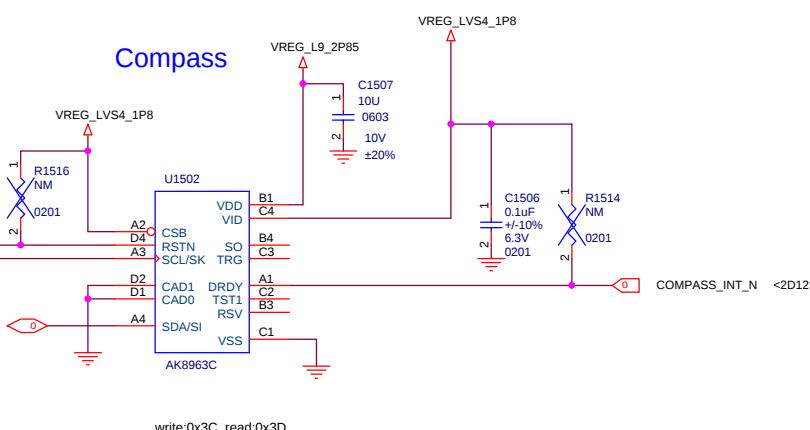
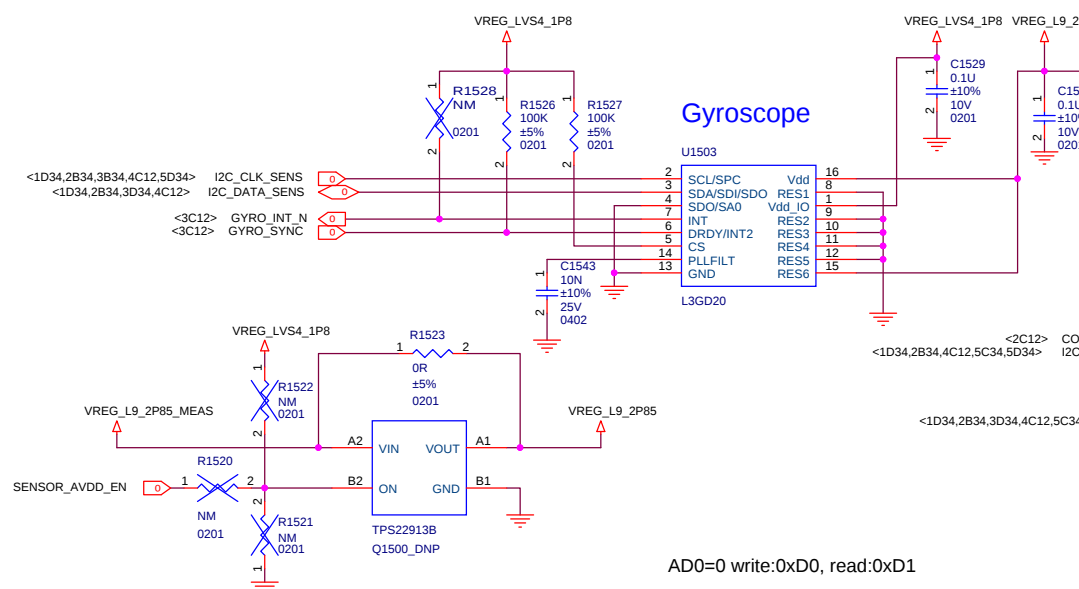
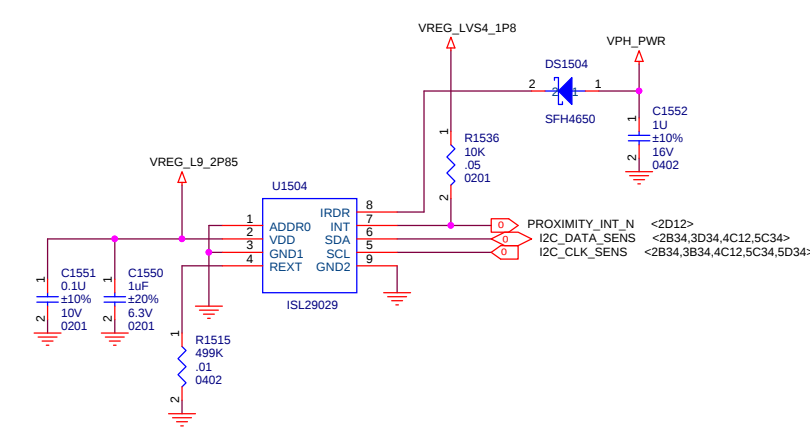
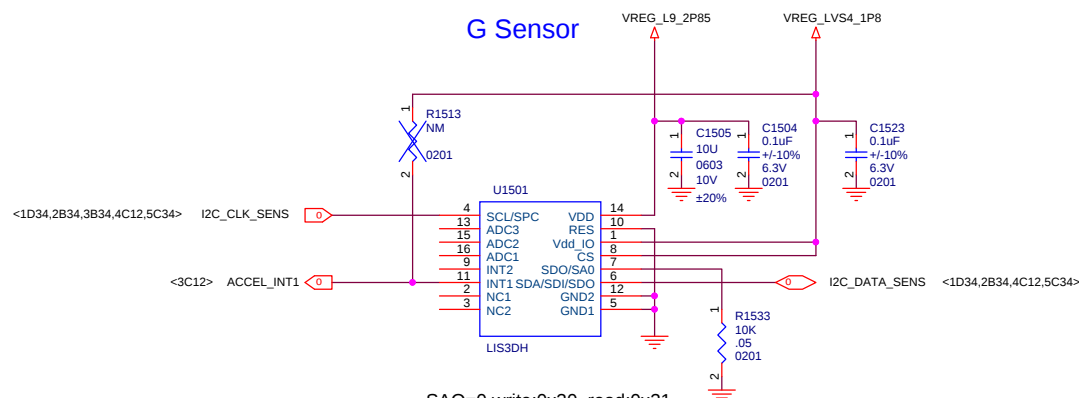
PM8018 : VREGS



SD&SIM CONNECTOR

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MI-ONE			
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