SM-G770U1_REV1.0

2020.02.17

sheet01 : RF (1/2)

sheet02 : RF (2/2), SDR8150

sheet03 : BT/WIFI, SIM

sheet04 : NFC, SENSORS

sheet05 : SM8150

sheet06 : SM8150 POWER/GND, JTAG, UFS

sheet07 : PM8150, PM8150C, IF PMIC

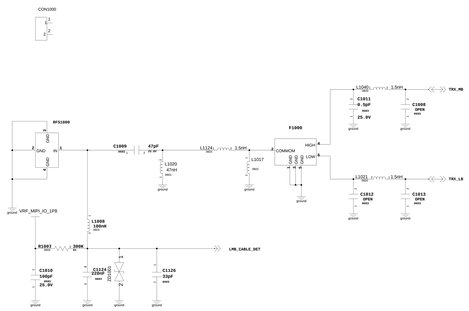
sheet08 : AUDIO

sheet09 : CAM PMIC, REAR CAM, FRONT CAM

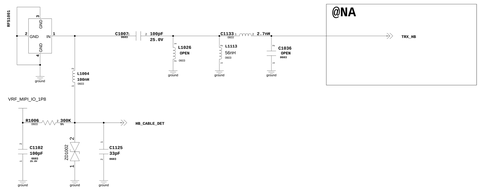
sheet10 : C2C connector, Display

RF PART 1

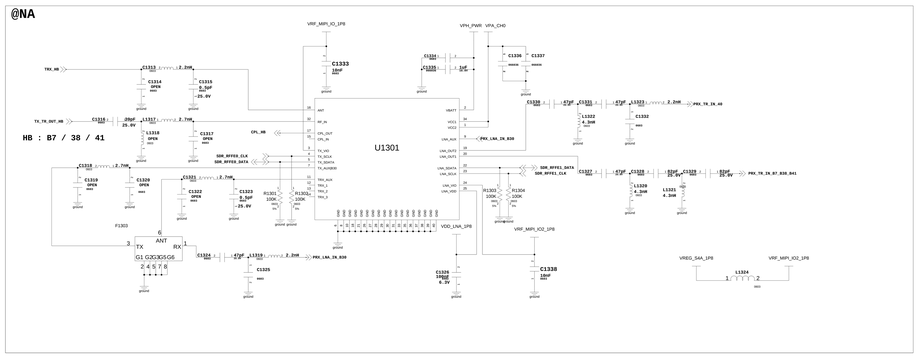
LOW MID BAND ANT



HIGH BAND ANT

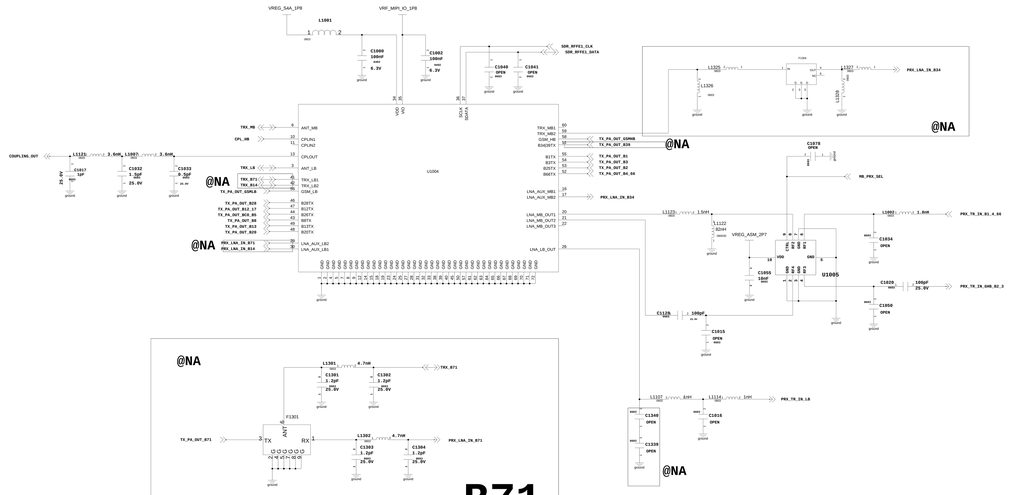


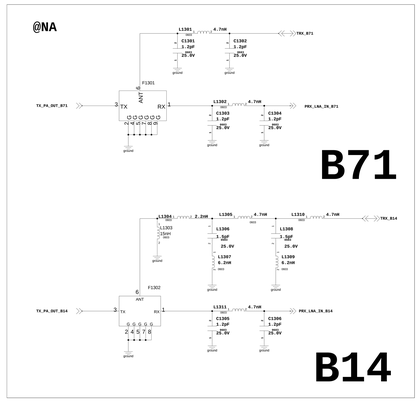
HIGH BAND PA



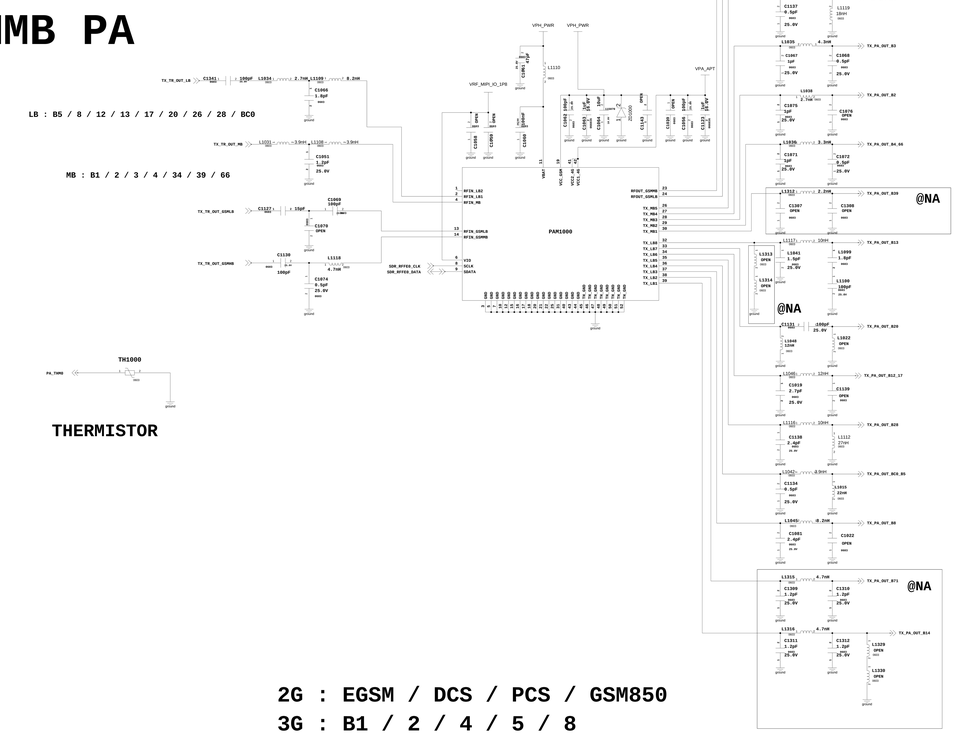
VREG_S4A_1P8 — L1000 — VDD_LNA_1P8

MAIN CA LFEMid





MMMB PA

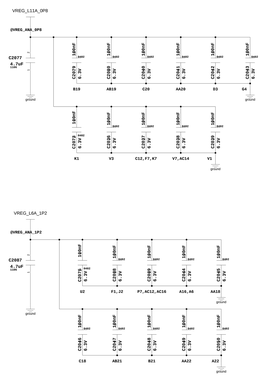


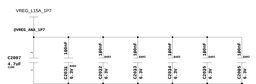
THERMISTOR

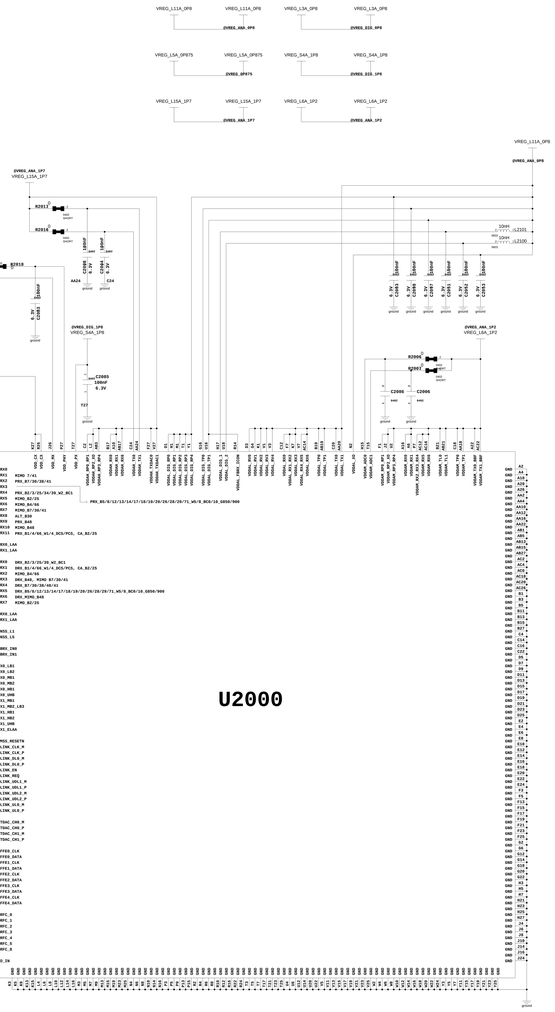
2G : EGSM / DCS / PCS / GSM850
3G : B1 / 2 / 4 / 5 / 8
LTE : B1 / 2 / 3 / 4 / 5 / 8 / 12 / 13 / 17 / 20 / 26 / 28 / 66 /

TITLE			
A1	PDM NUMBER		Rev
User Name	1 11	Drawing Date	

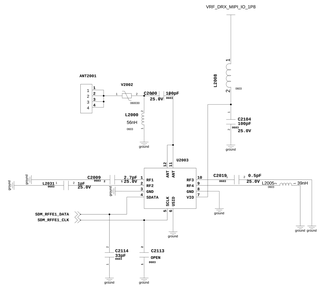
TRANSCEIVER(SDR8150)





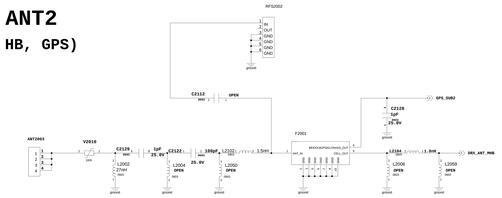


DRX_ANT



SUB ANT1
(LB)

SUB ANT2
(MB, HB, GPS)



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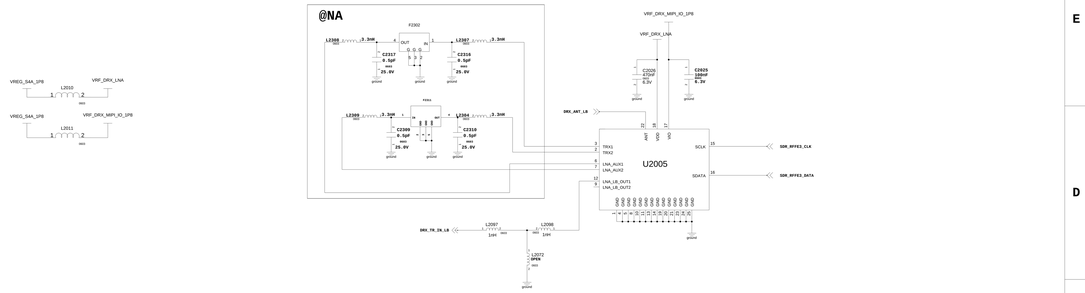
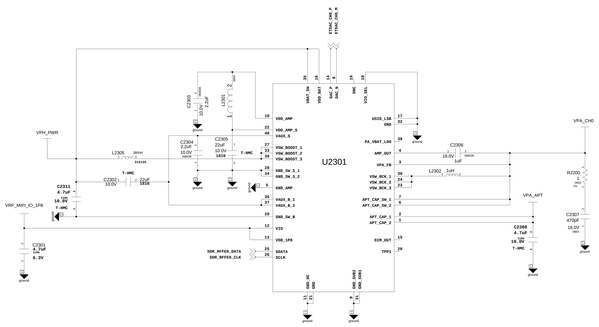


QET5100 ET MODULATOR



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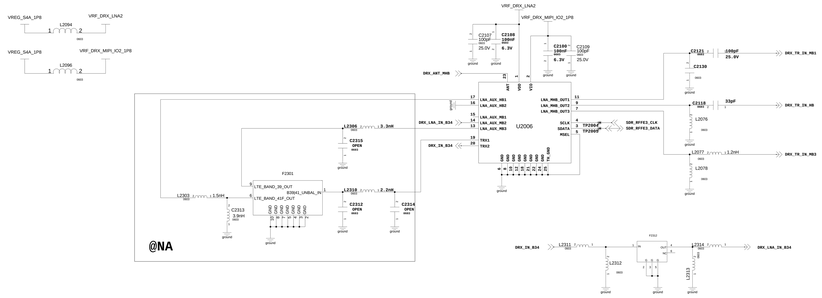
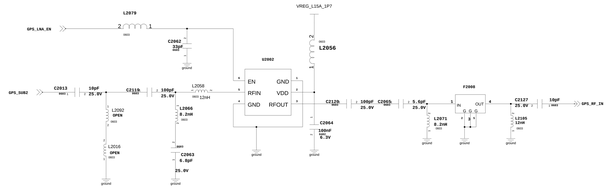
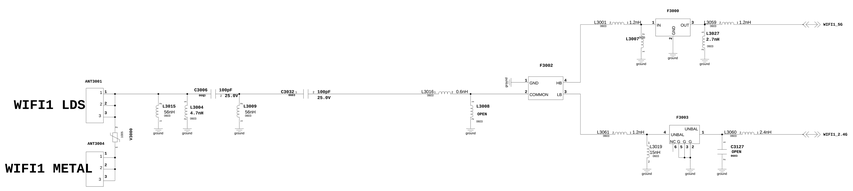


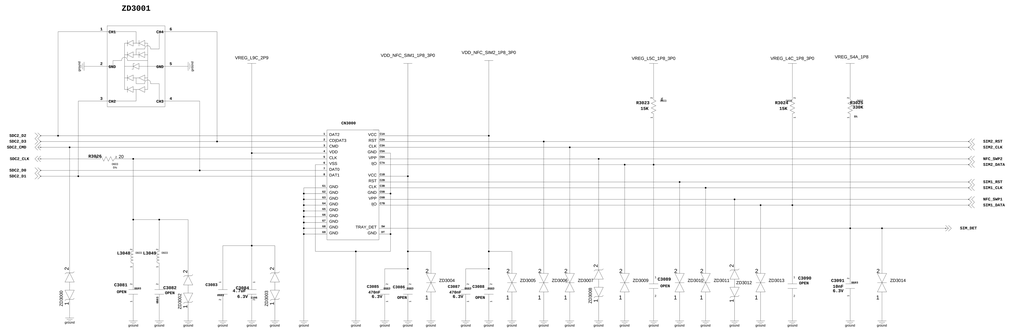
GPS

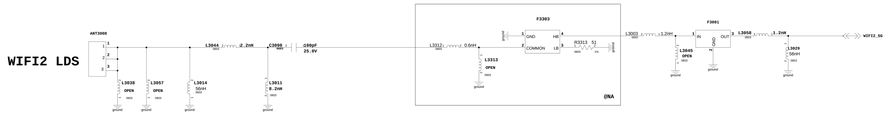


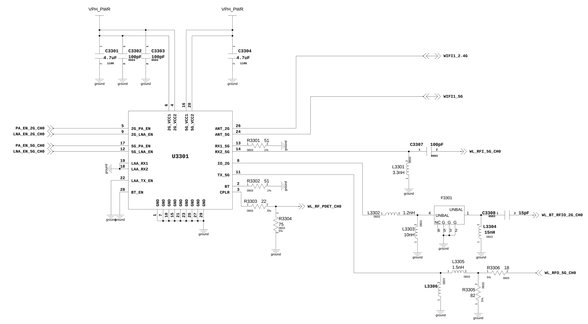
BT/WIFI

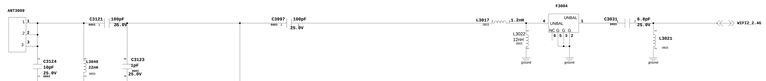
3 in 2 SIM socket

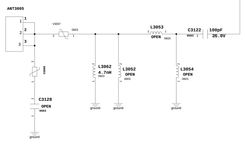


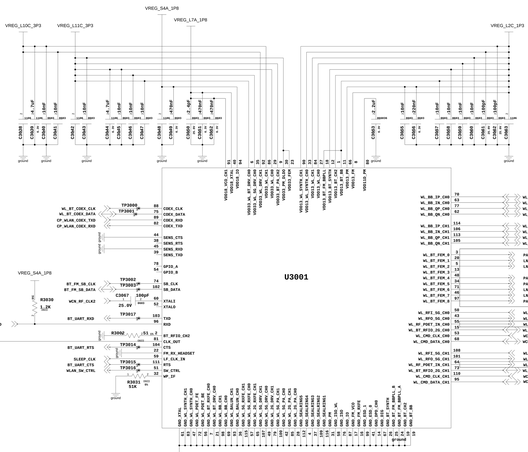


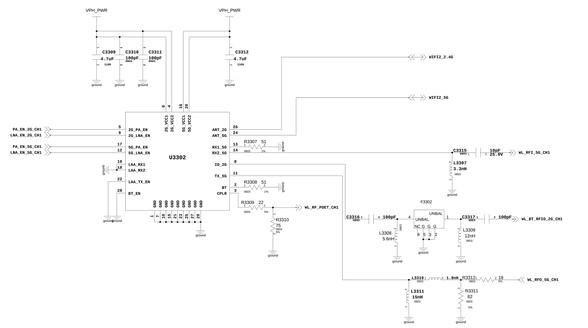






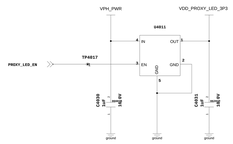


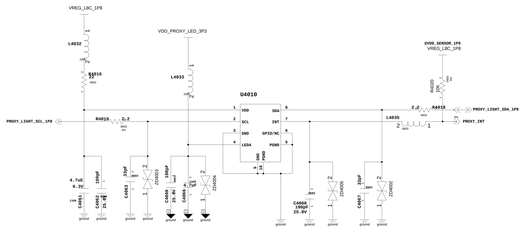




User Name	A1	PCM NUMBER	Rev
	Sheet 4 of 11	Drawing Date	

SENSORS





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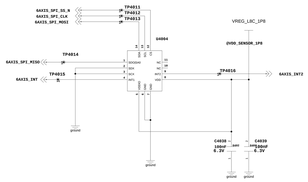
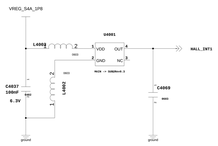


6 AXIS SENSOR
(GYRO,ACCEL)



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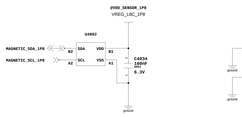
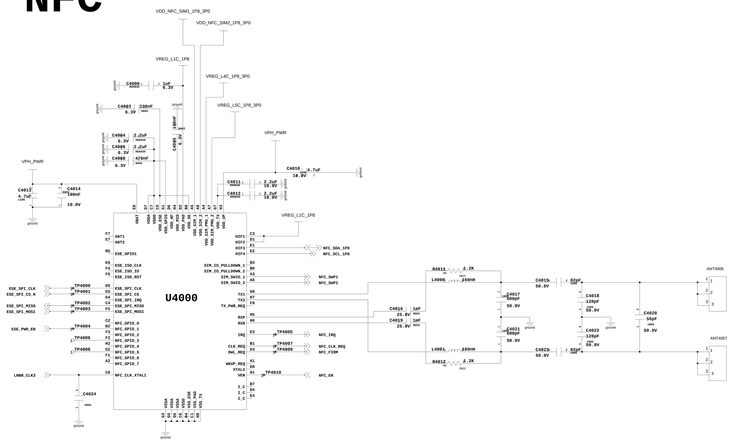


MAGNETIC SENSOR

Dummy cap

NFC



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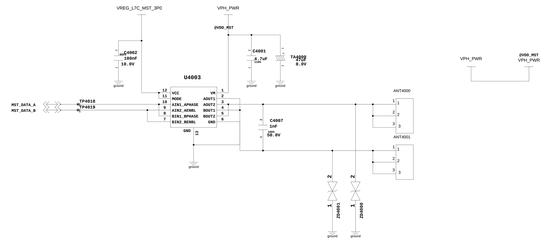

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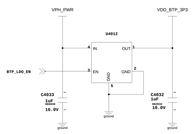

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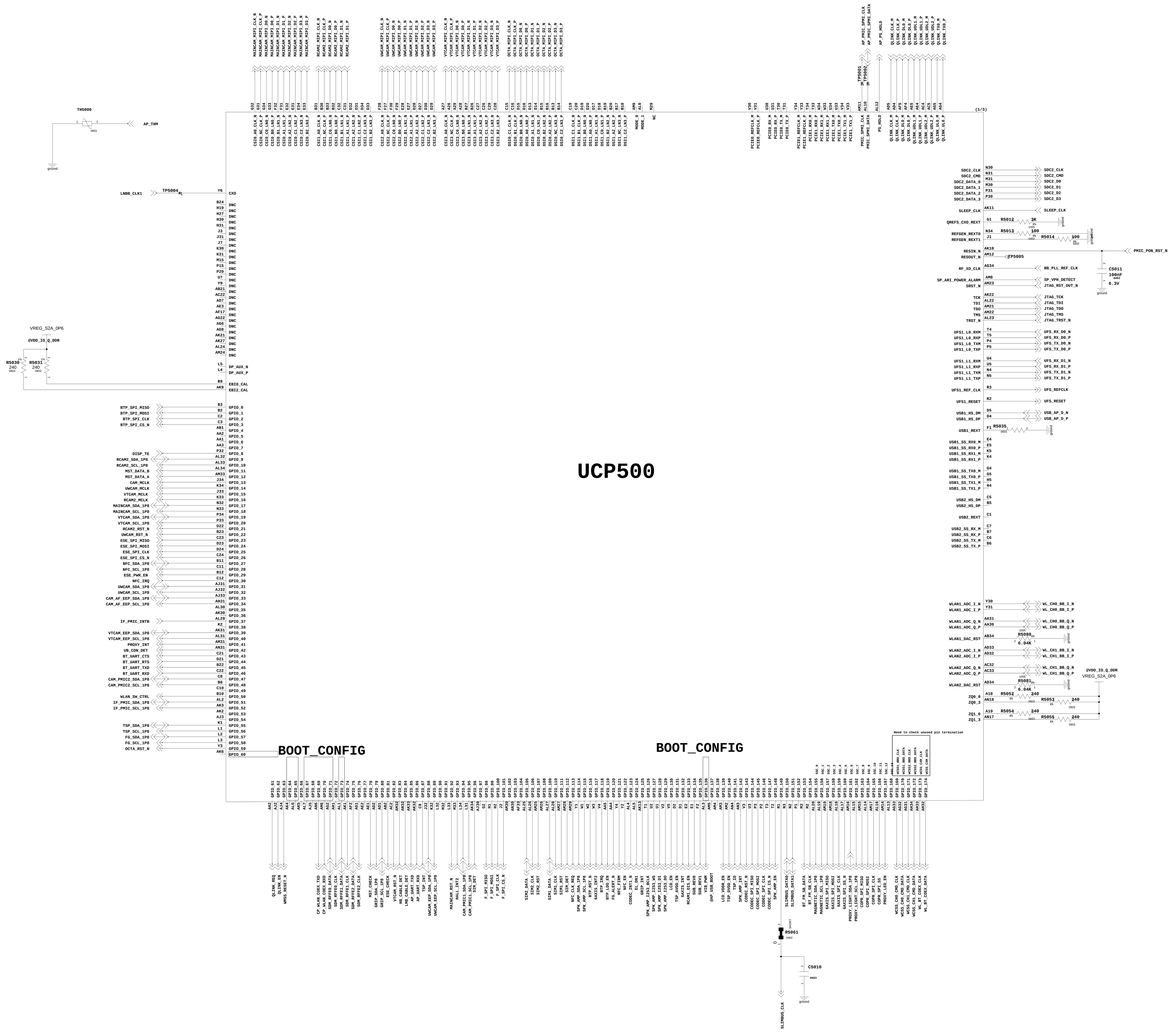
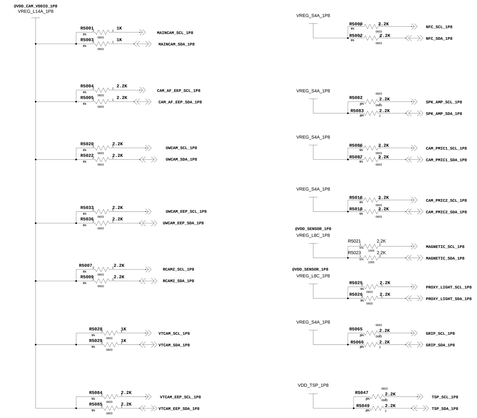
Size: A1	Number: PCM NUMBER		Rev:
Author: User Name	Sheet 6 of 11	Date: Drawing Date	

SM8150
(INTERFACE, GPIO)

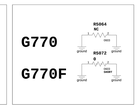


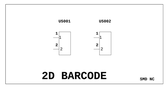
I2C PULL UP



MST Check	GPIO
MST Support	PU
MST Not Support	PD

ESE Check	GPIO
ESE Support	PU
ESE Not Support	PD





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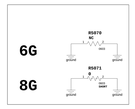
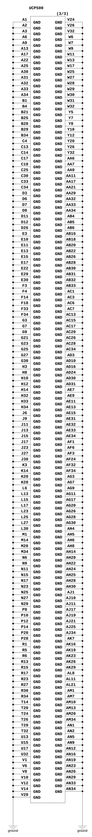
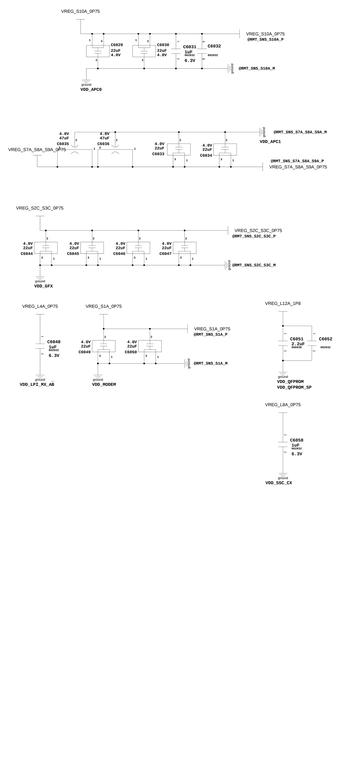


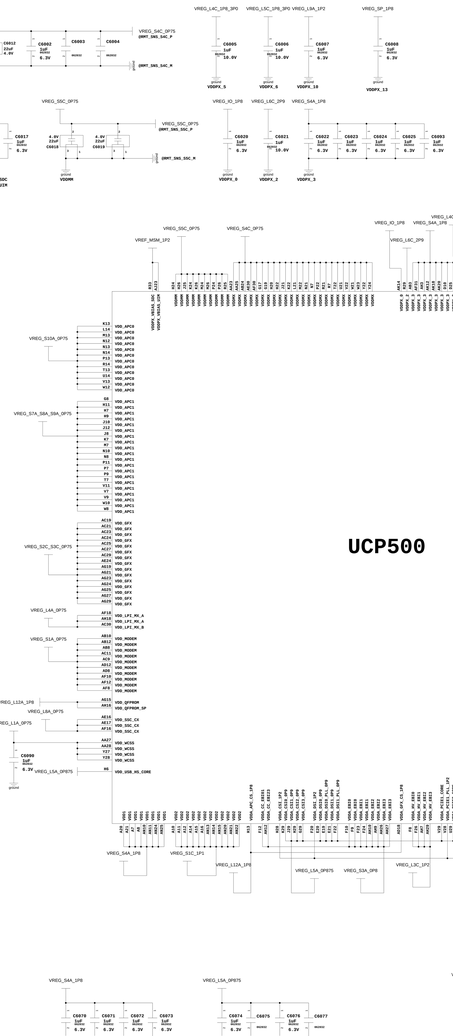
UFS

TITLE			
SIZE A1	DOCUMENT NUMBER		REV
DRAWN BY User Name	SHEET 6 OF 13	DATE Drawing Date	

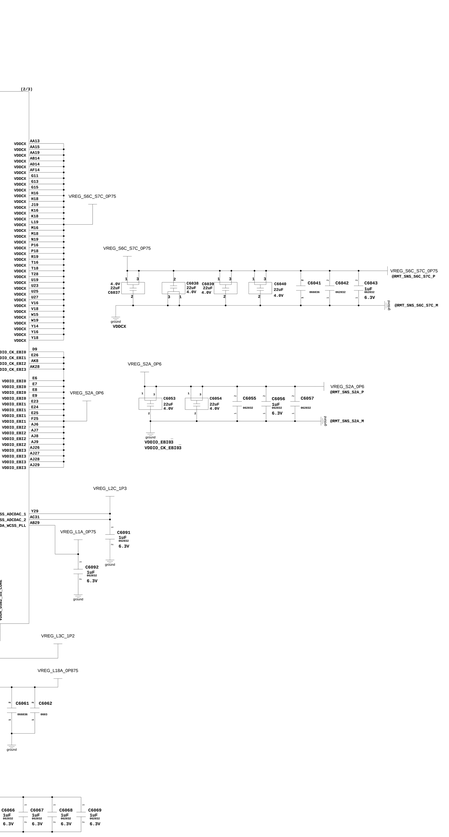
SM8150
(POWER, GND)

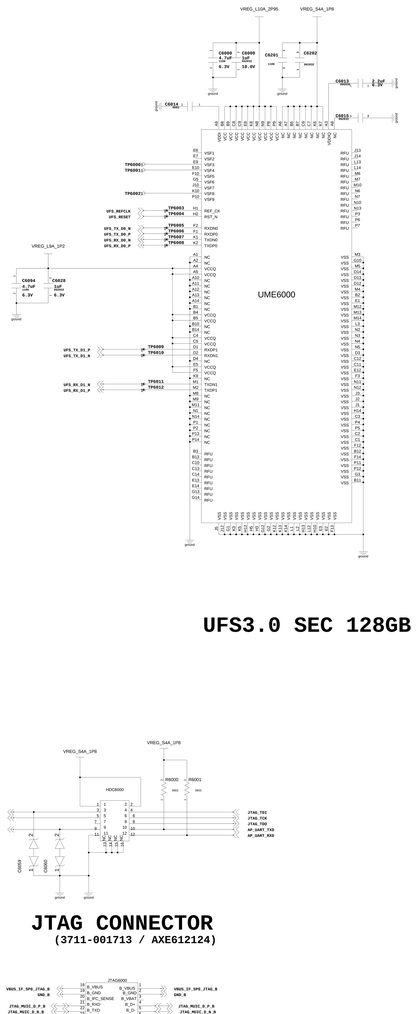




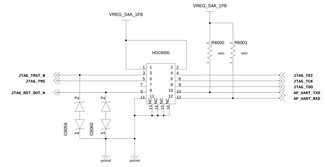


UCP500

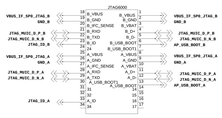


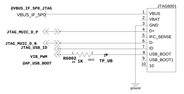


UFS3.0 SEC 128GB



JTAG CONNECTOR
(3711-001713 / AXE612124)





CAUTION: PLACEMENT
Near to TP AP_USB_BOOT

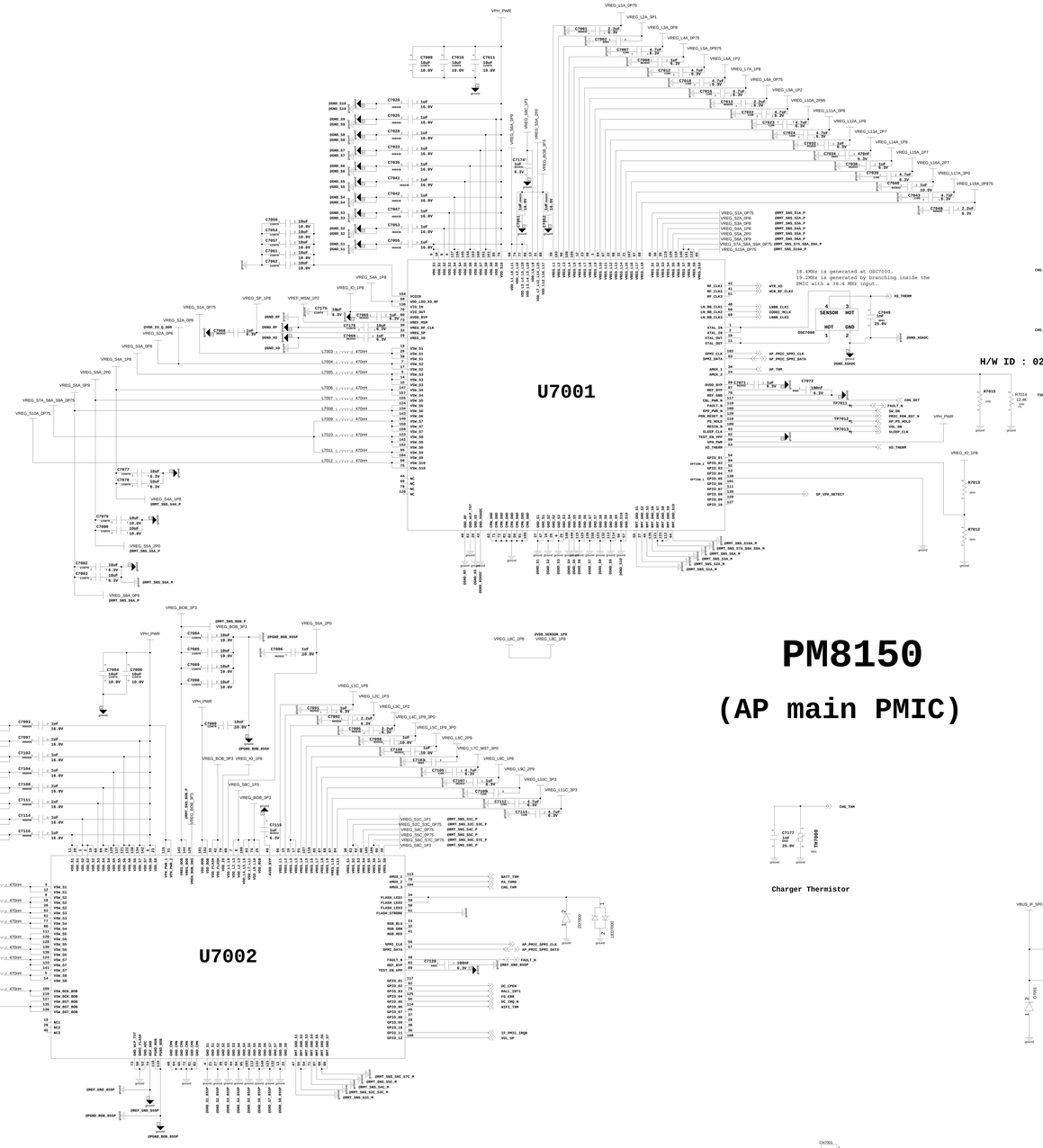
PCB array JTAG

Author: User Name	Size: A1	Number: PCM NUMBER	Rev:
	Date: 7 11	File: Drawing Date	

POWER (PM8150,PM8150C)

H/W ID table(AMUX_2)

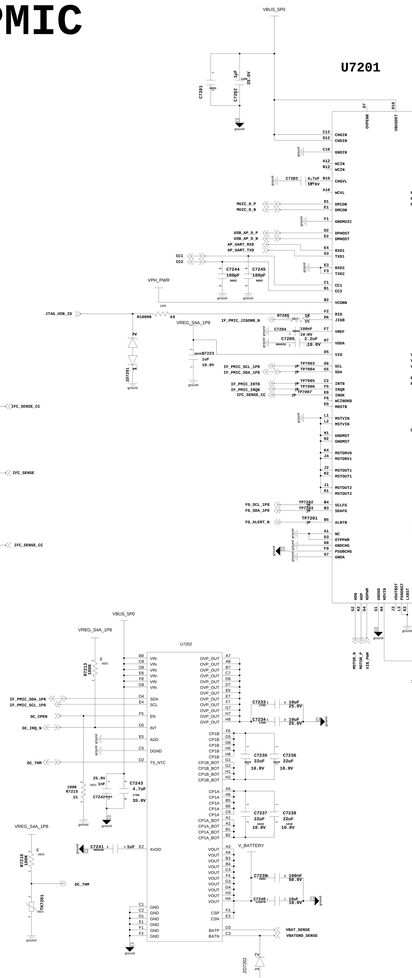
HW ID	BOARD REVISION	Value	Mech
00	R5_NA_REV00	6.04K	
01	SM-G770U1_REV01	9.1K	
02	SM-G770U1_REV02	12.4K	
03		18K	
04		22K	
05		30K	
06		39K	
07		47K	
08		56K	
09		68K	
10		82K	
11		100K	
12		120K	
13		150K	
14		180K	
15		200K	
16		240K	
17		280K	
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	



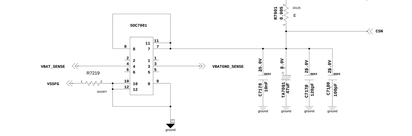
PM8150
(AP main PMIC)

PM8150C
(AP sub PMIC)

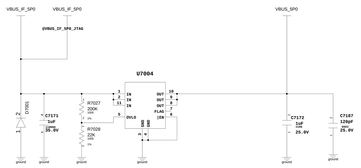
IF PMIC



Direct Charger



Battery Connector



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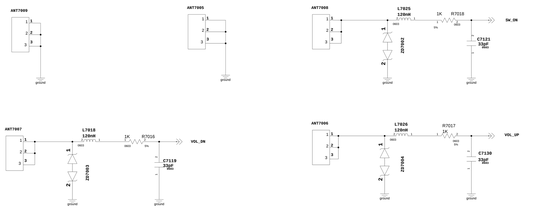
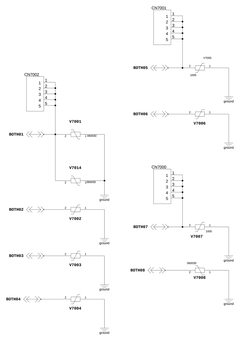
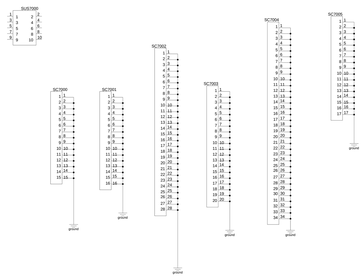


POWER & VOL KEY

CCP



BOSS HOLE



SHIELD CAN

MOTOR

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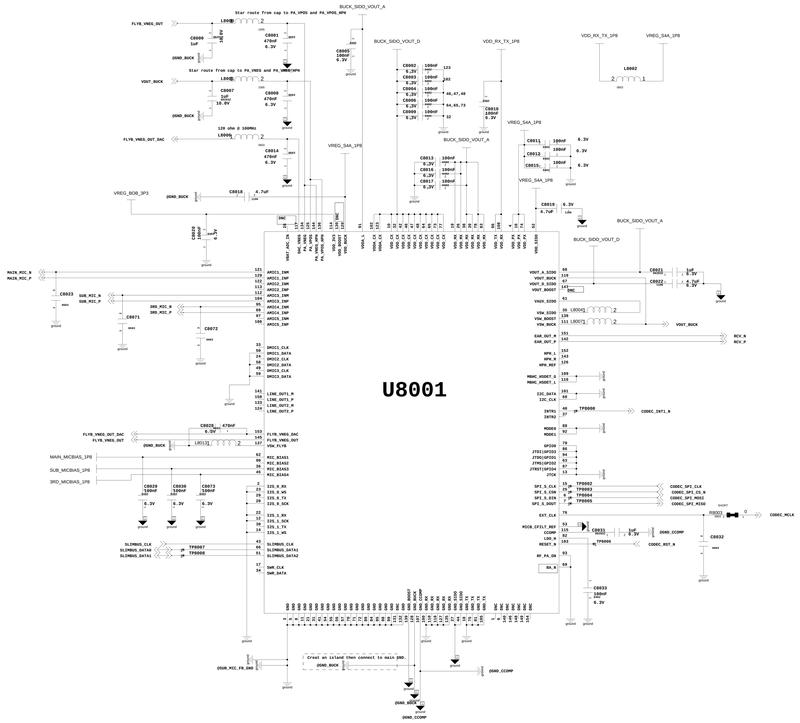
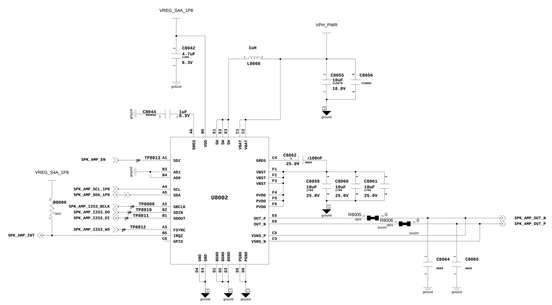
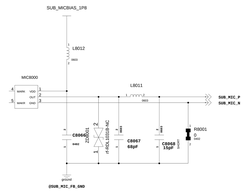
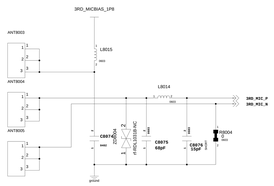
AUDIO PART

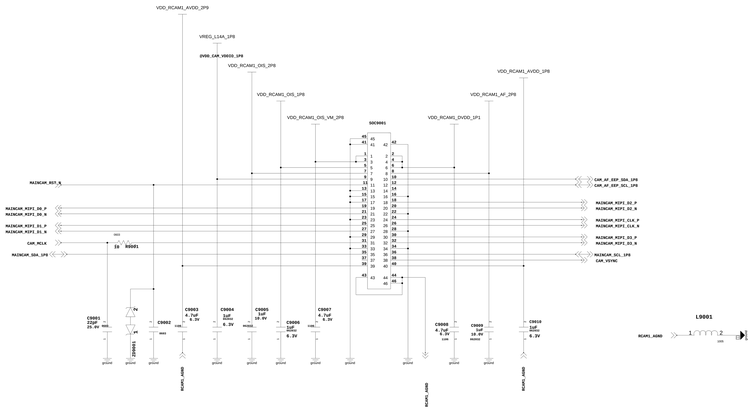








User Name	A1	PCM NUMBER	Rev
	Sheet 9 of 11	Drawing Date



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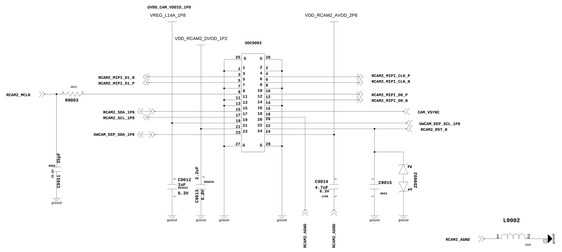

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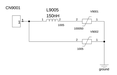
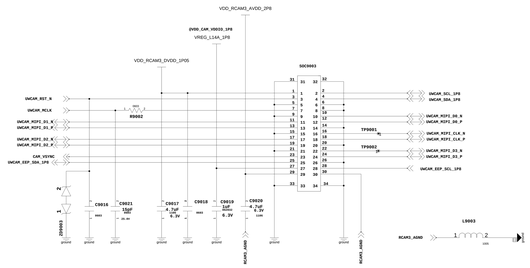
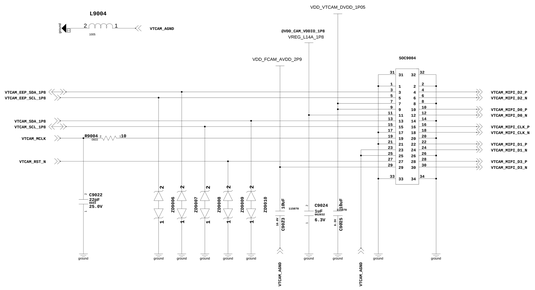


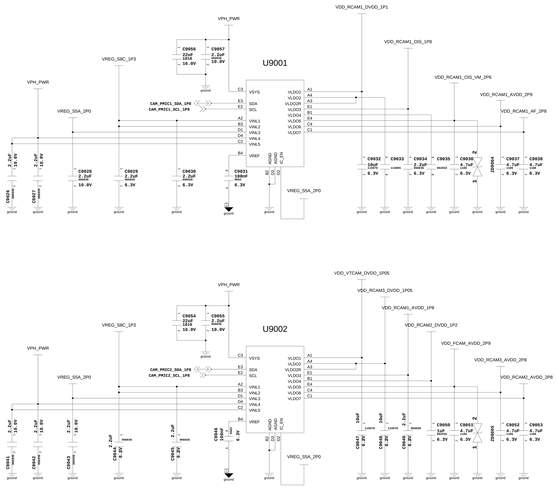
EMI Contact



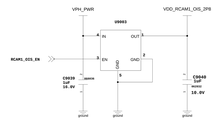
RCAM3_ULTRA WIDE_12M CAMERA(30pin)_3L6



FRONT_32M CAMERA (30PIN)

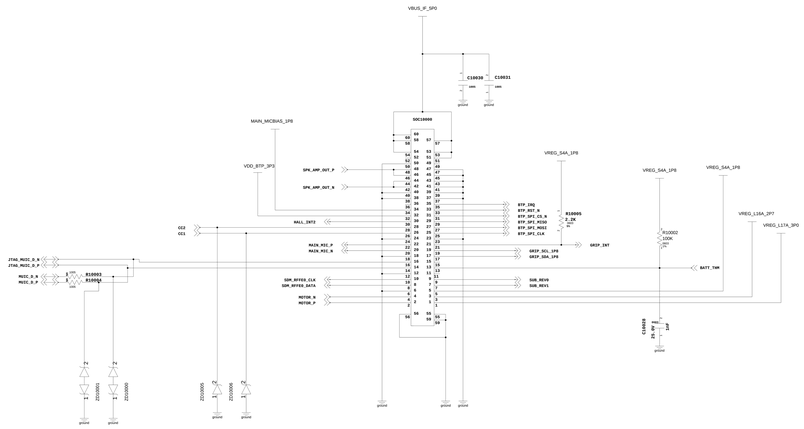


CAM PMIC(PB03)



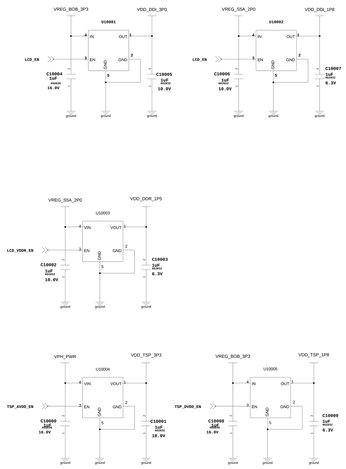
User Name	PCM NUMBER	Rev
A1	10 11	Drawing Date

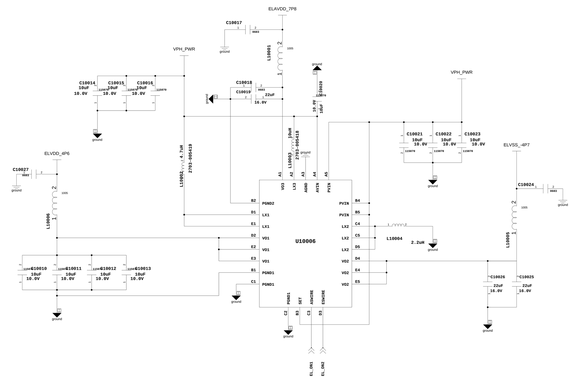
C2C (Conn to Conn FPCB)



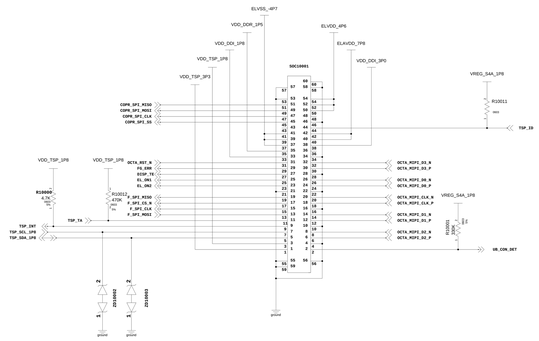
MAIN TO SUB PBA

DISPLAY





DISPLAY PMIC



DISPLAY CONN.

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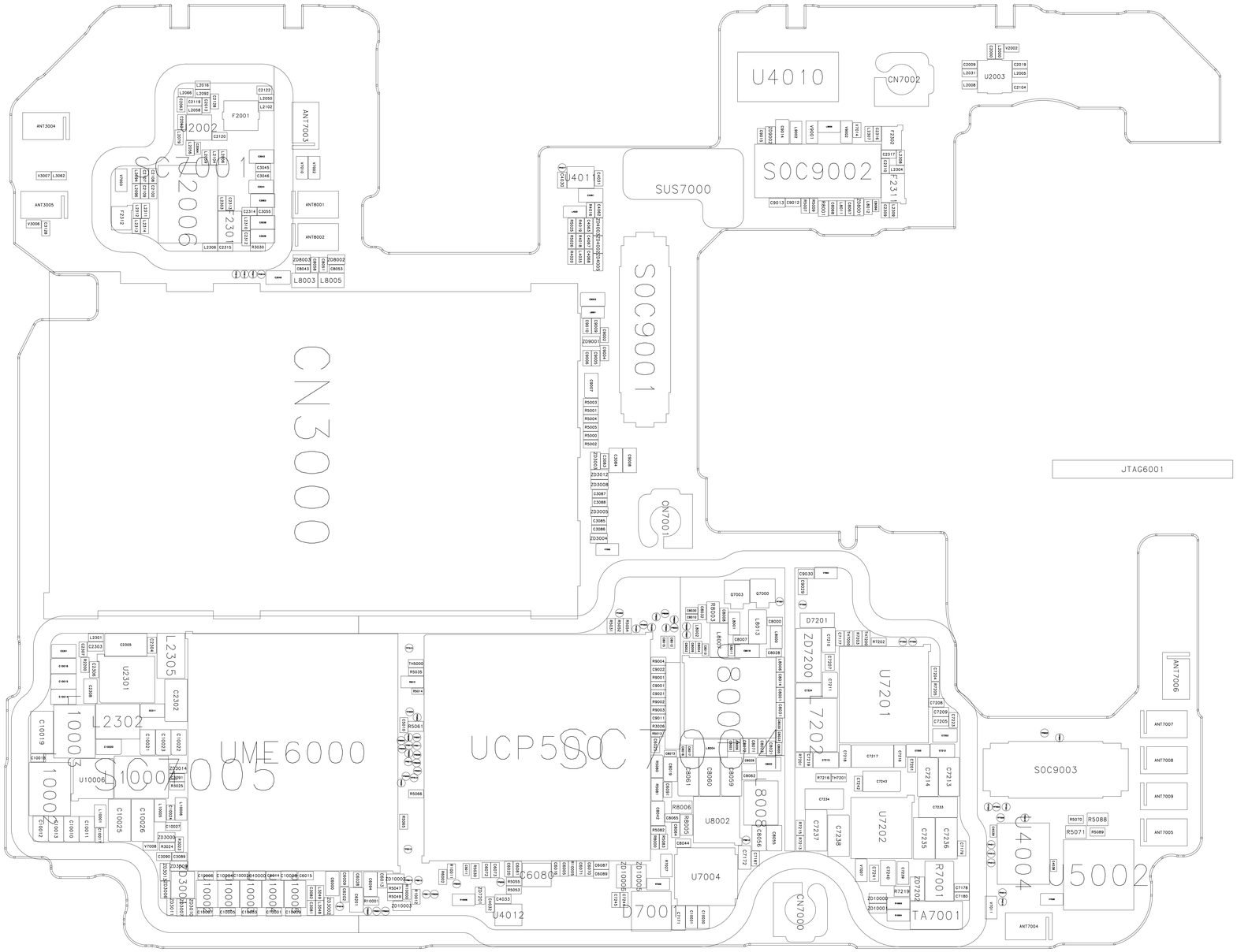
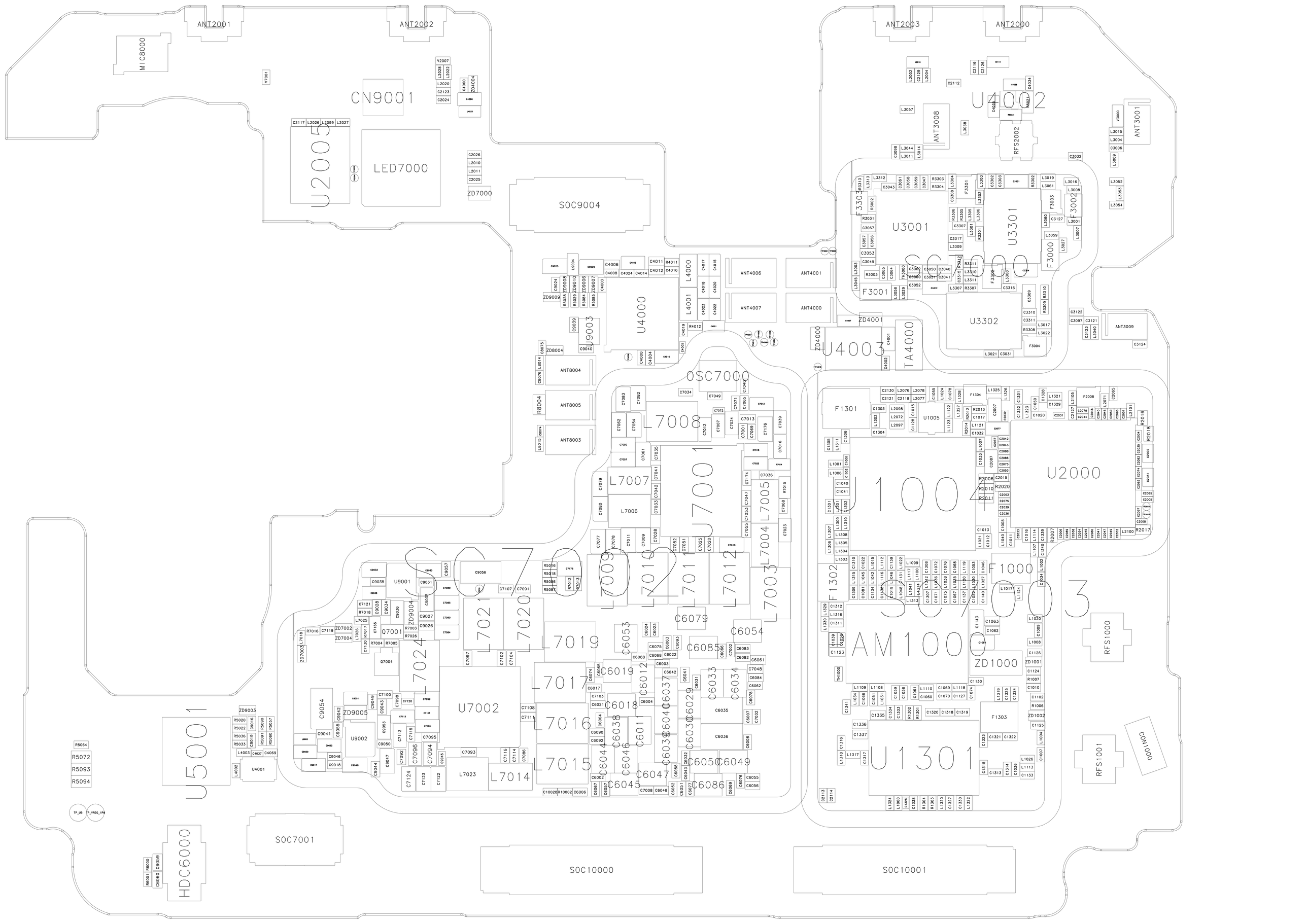


JTAG6002

JTAG6003

JTAG6000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