SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
O NOT DISCLOSE TO OR DUPLICATE FOR OTHE
EXCEPT AS MITHORIZED BY SAMSHING

SM-G986W MASTER REV0.5A

SM-G986W Common

sheet01: RF (1/2) 2019. 11. 28

1216 OPEN -> NC

sheet02: RF (2/2)

sheet03: BT/WIFI, SIM, SHILDCAN

sheet04: NFC, MFC, OVP LS, SENSORS

sheet05: AP_SM8250

sheet06: AP_SM8250 POWER/GND, JTAG, UFS

sheet07: PM8250, IF PMIC(CC IC), D/C

sheet08: AUDIO

sheet09: CAMERA

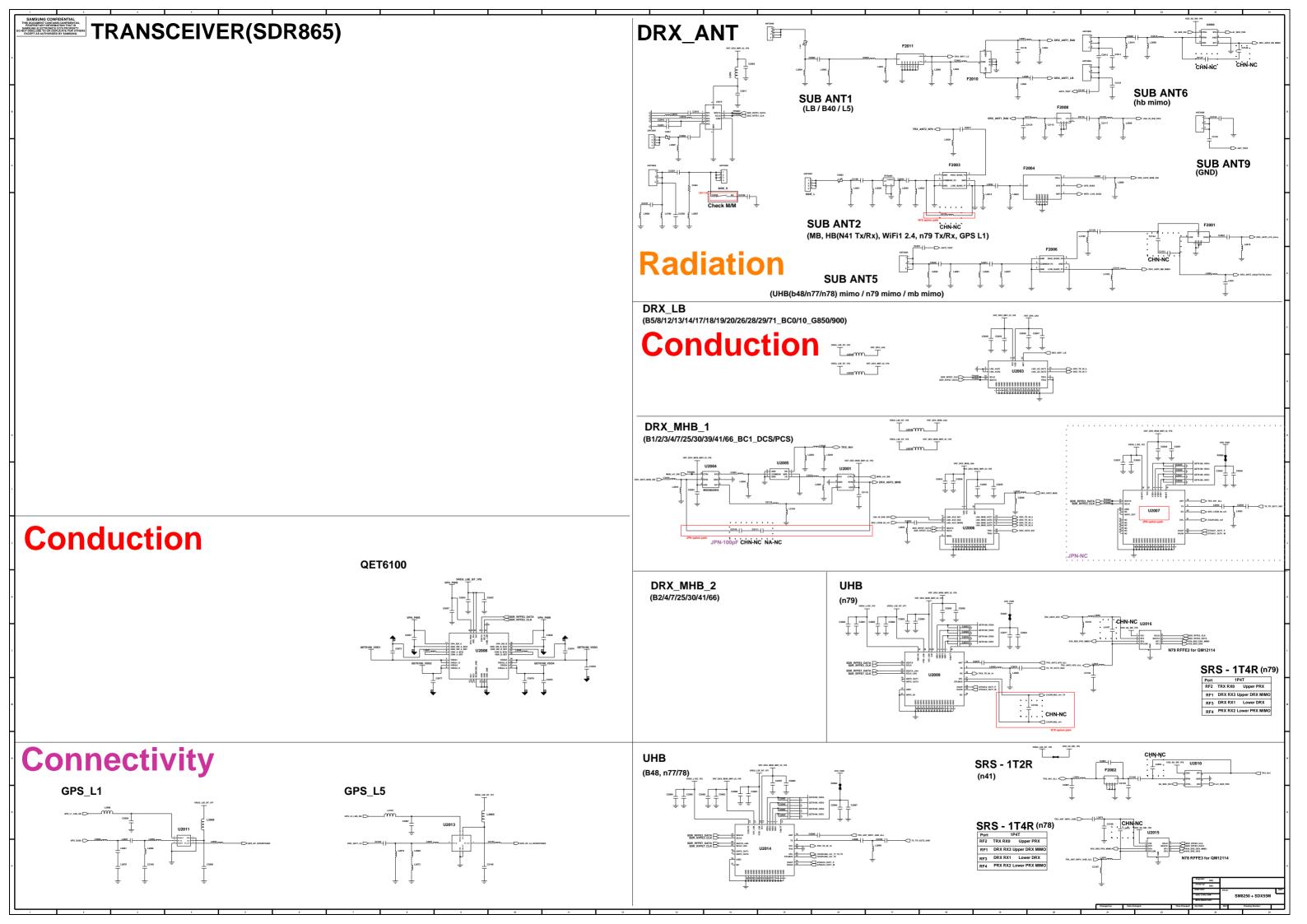
sheet10: DISPLAY

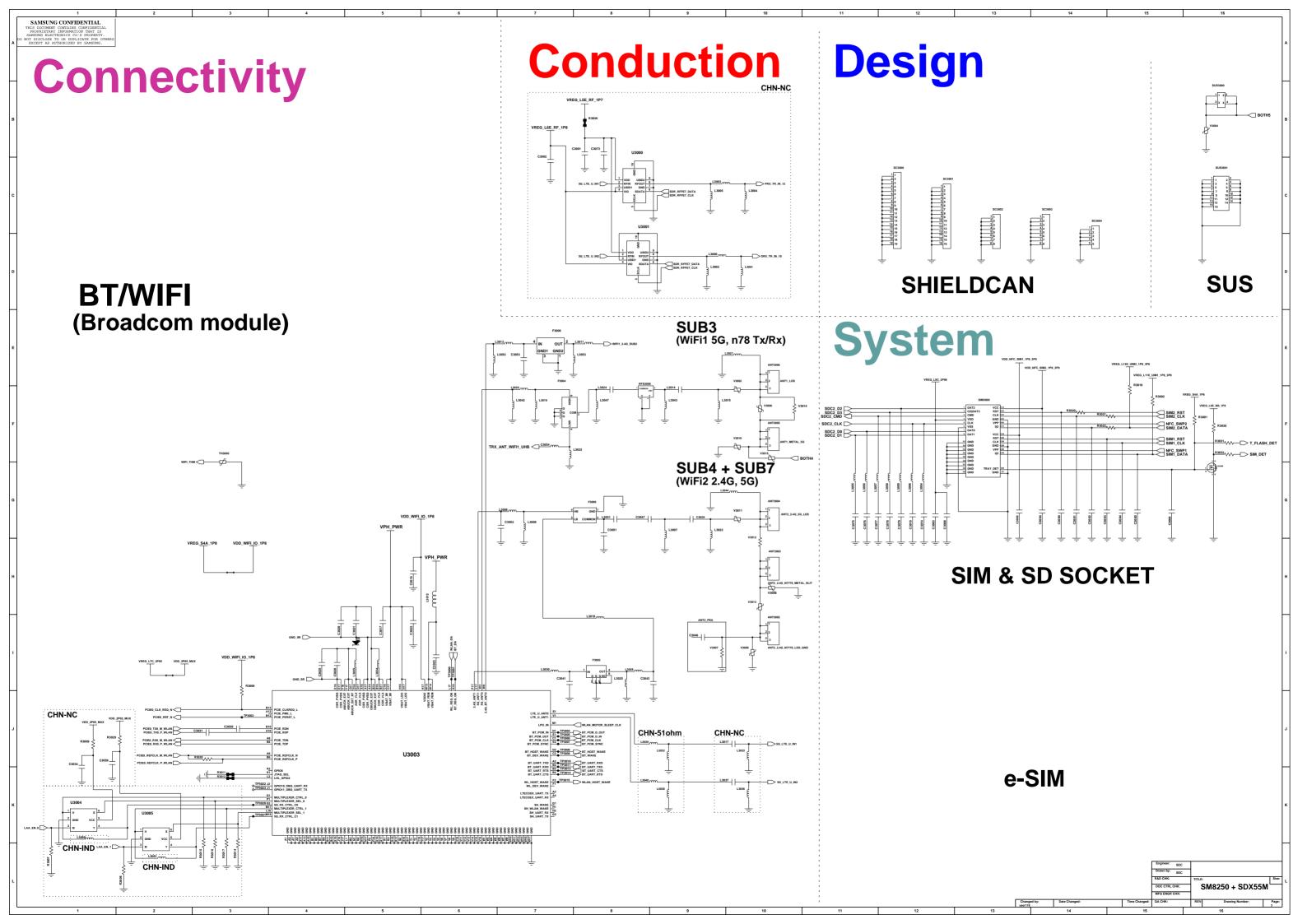
sheet11: CP_SDX55M

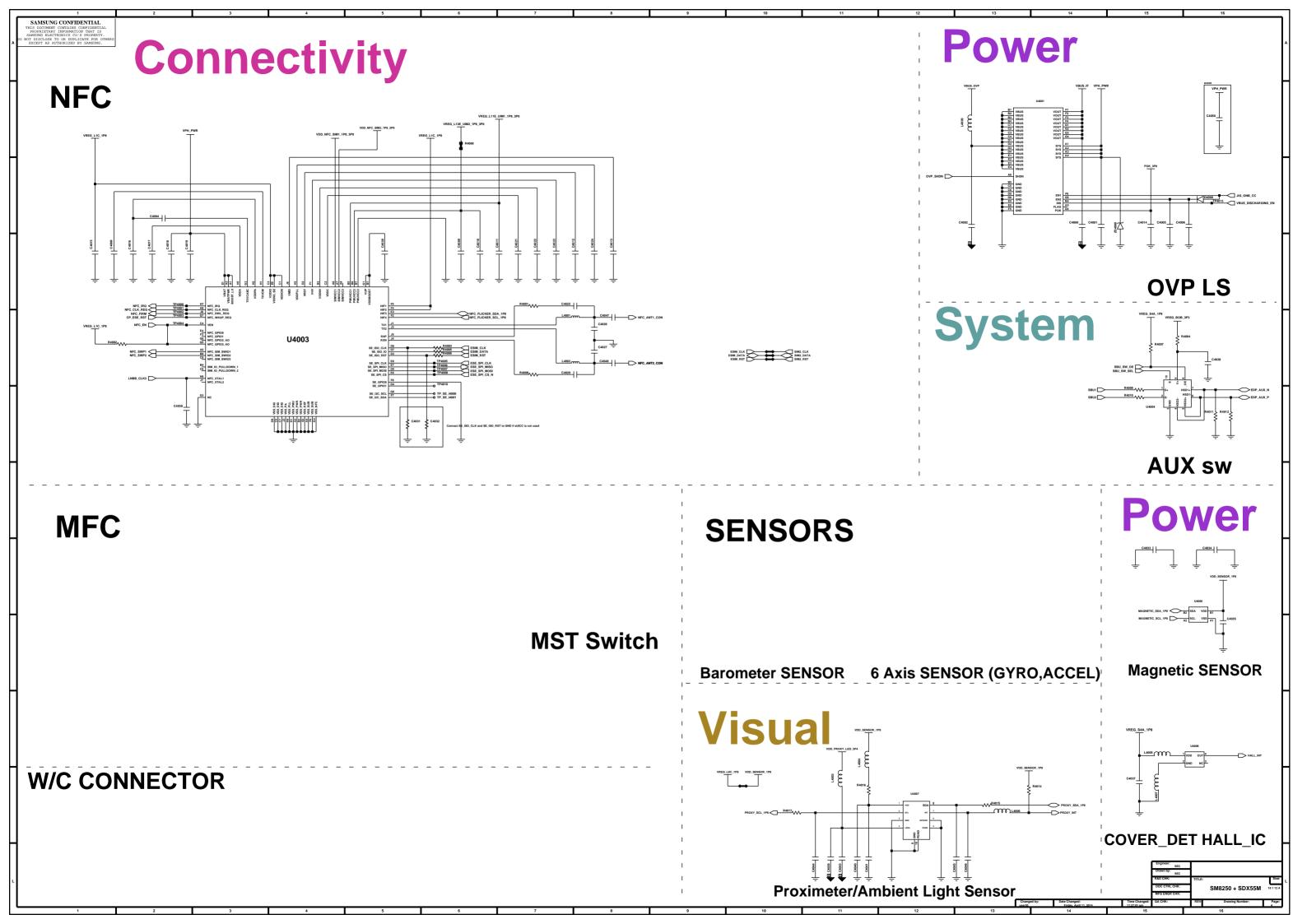
sheet12: CP PMIC, 5G IFIC, 5G Conn

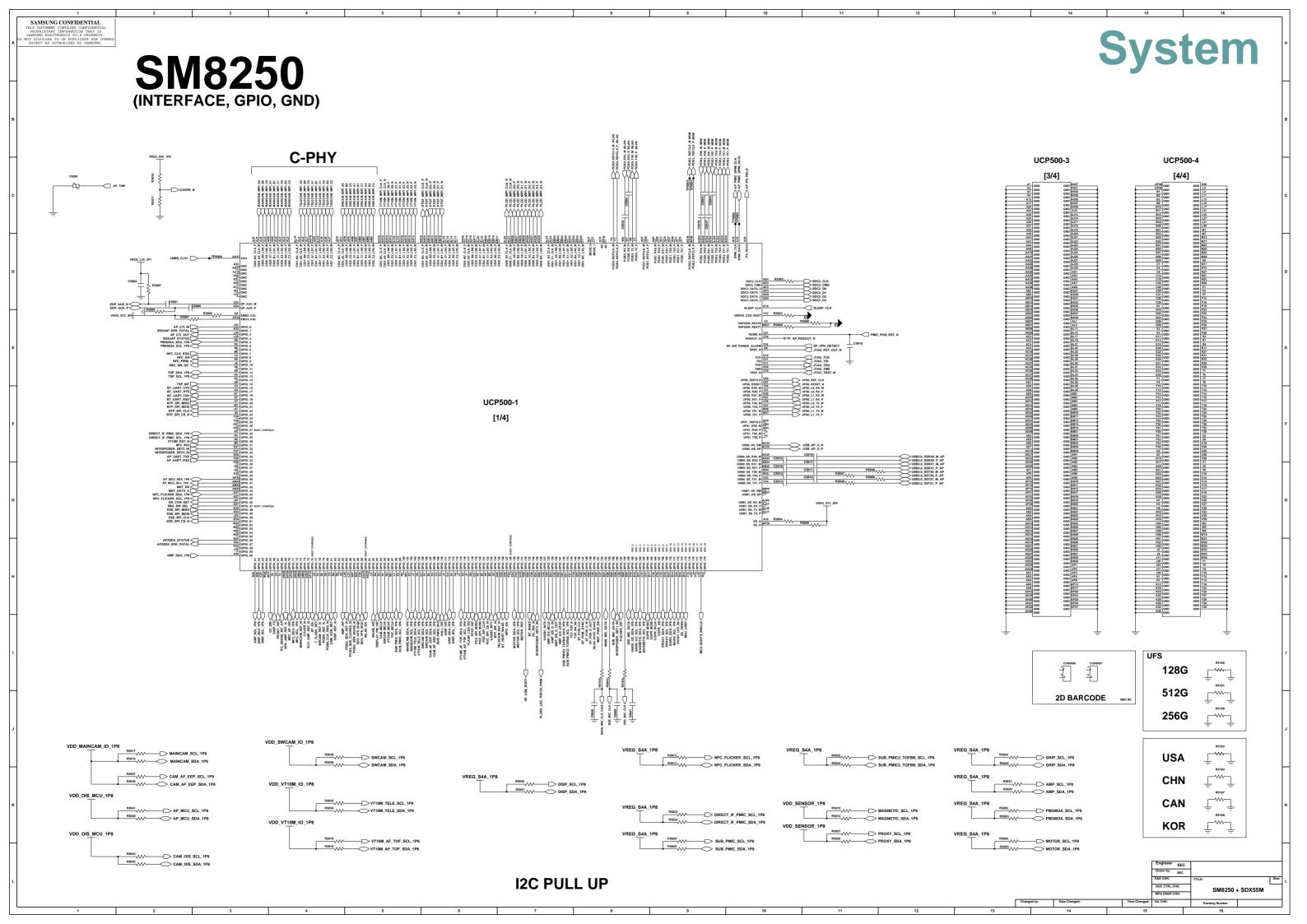
sheet13: INTERPOSER

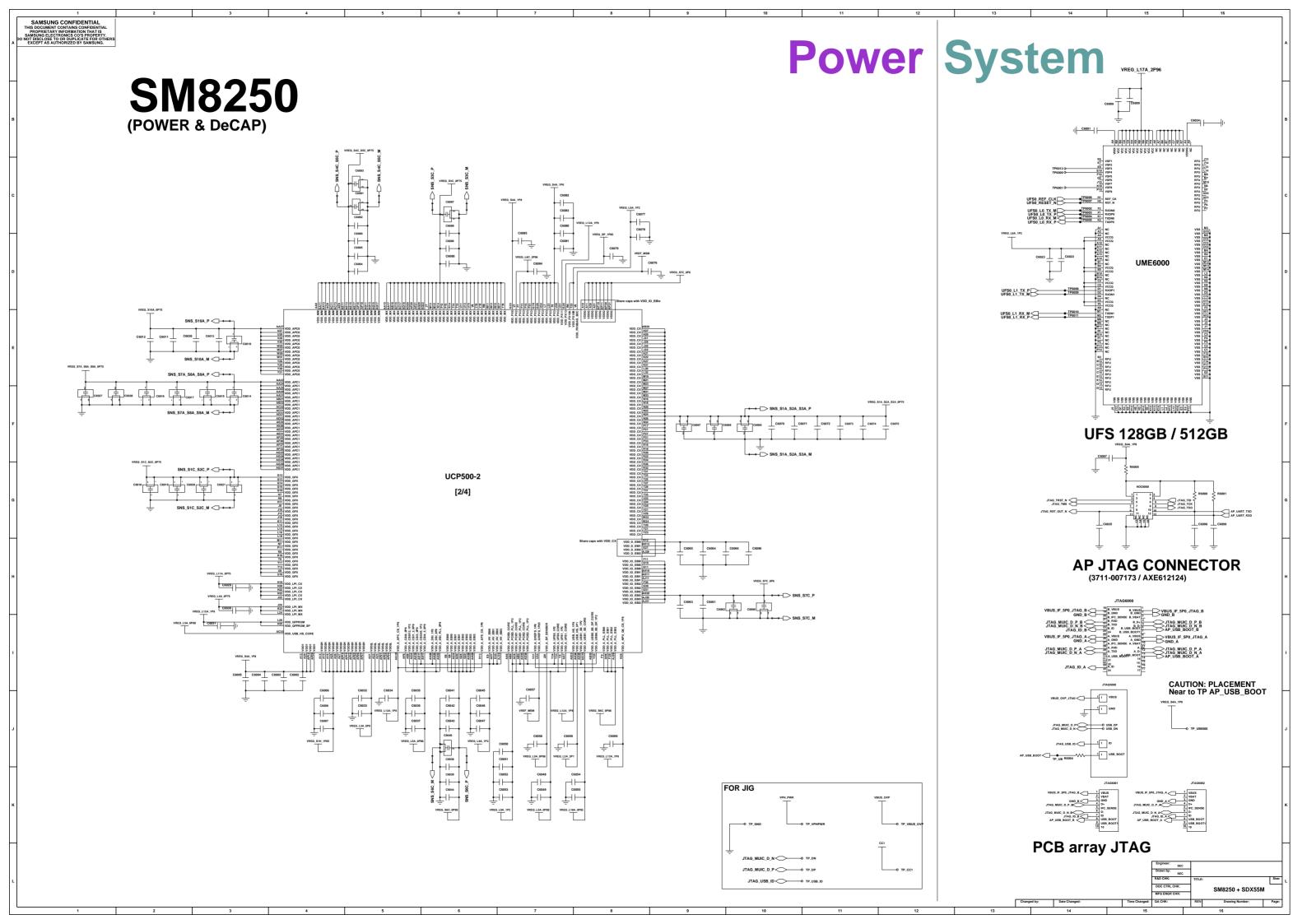
SAMSUNG CONFIDENTIAL THIS ROCHERT CONFIAN CONFIDENTIAL PROPRIETARY PROGRAMON THAT DE LIMITARY RESERVOIRES OF THE PERFORMANCE EXCEPT AS AUTHORIZED BY SAMSUNG.	LB LPAMID (B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)	9 20 20 20 20
MAIN ANT	, , ,	
MAIN1-1 ANT		
MAIN1-2 ANT		
	OMH LPAMID (B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)	
MAIN4 ANT		
MAIN2 ANT		
M1-1 M1-2 M2 M2 M3		
MAIN3 ANT	UHB	
FRC connector	UHB (B48, n77/78/79)	
JPN		
LTE_B21	ET Modulator(QET5100#0)	ET Modulator(QET5100#1)
2G_PA		
	Non-Williams	The Millians
THERMISTER		Equipme MS

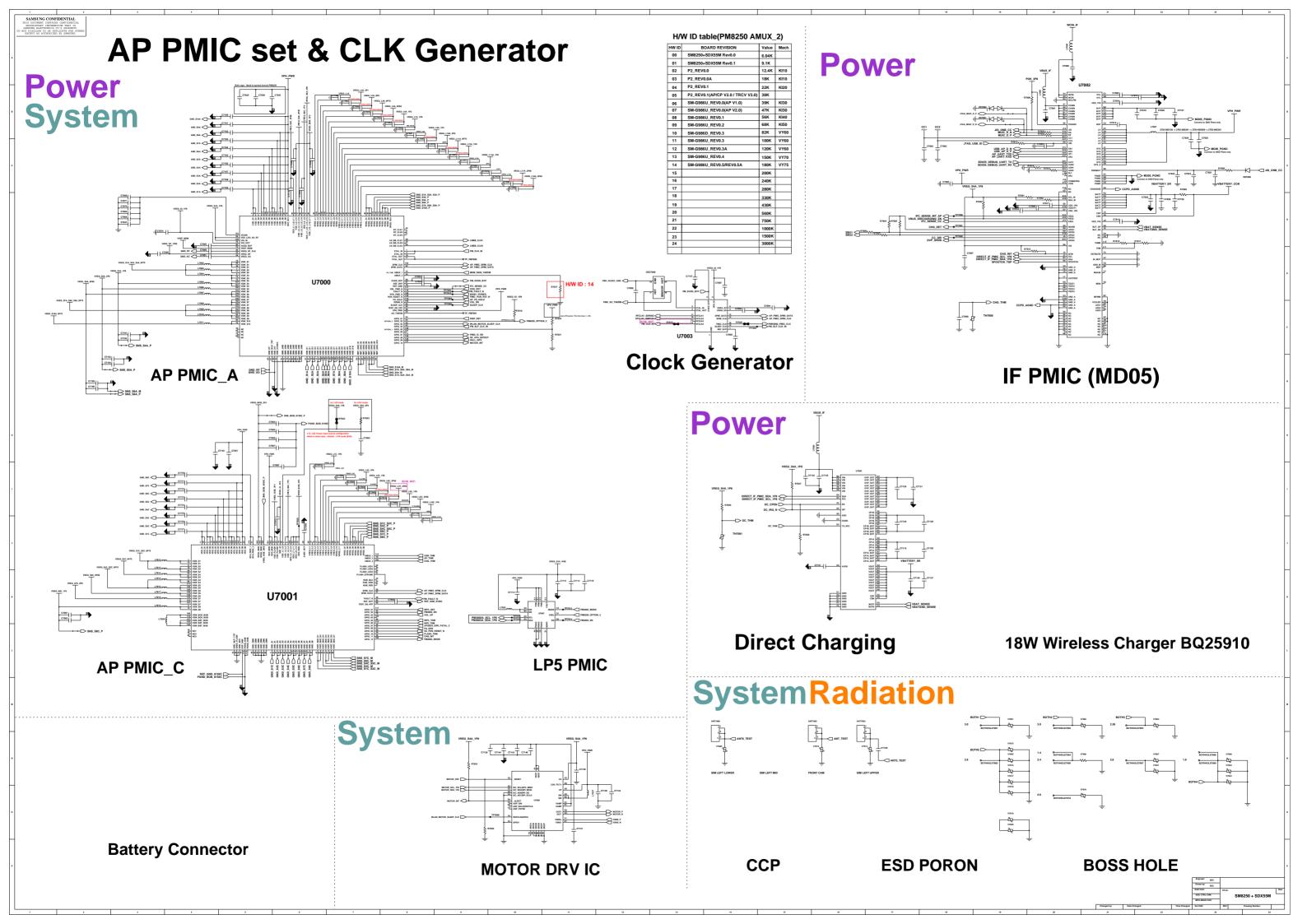


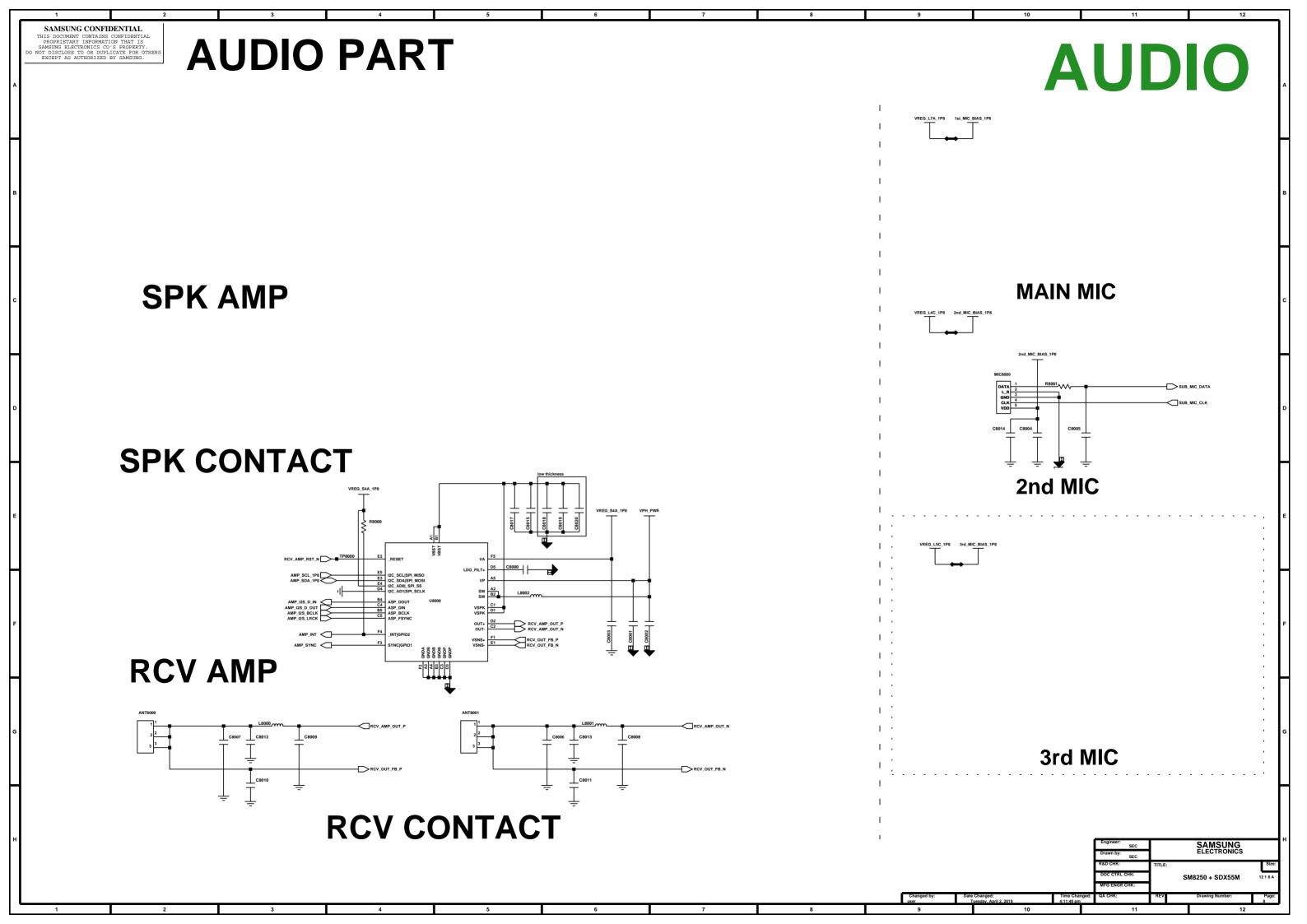


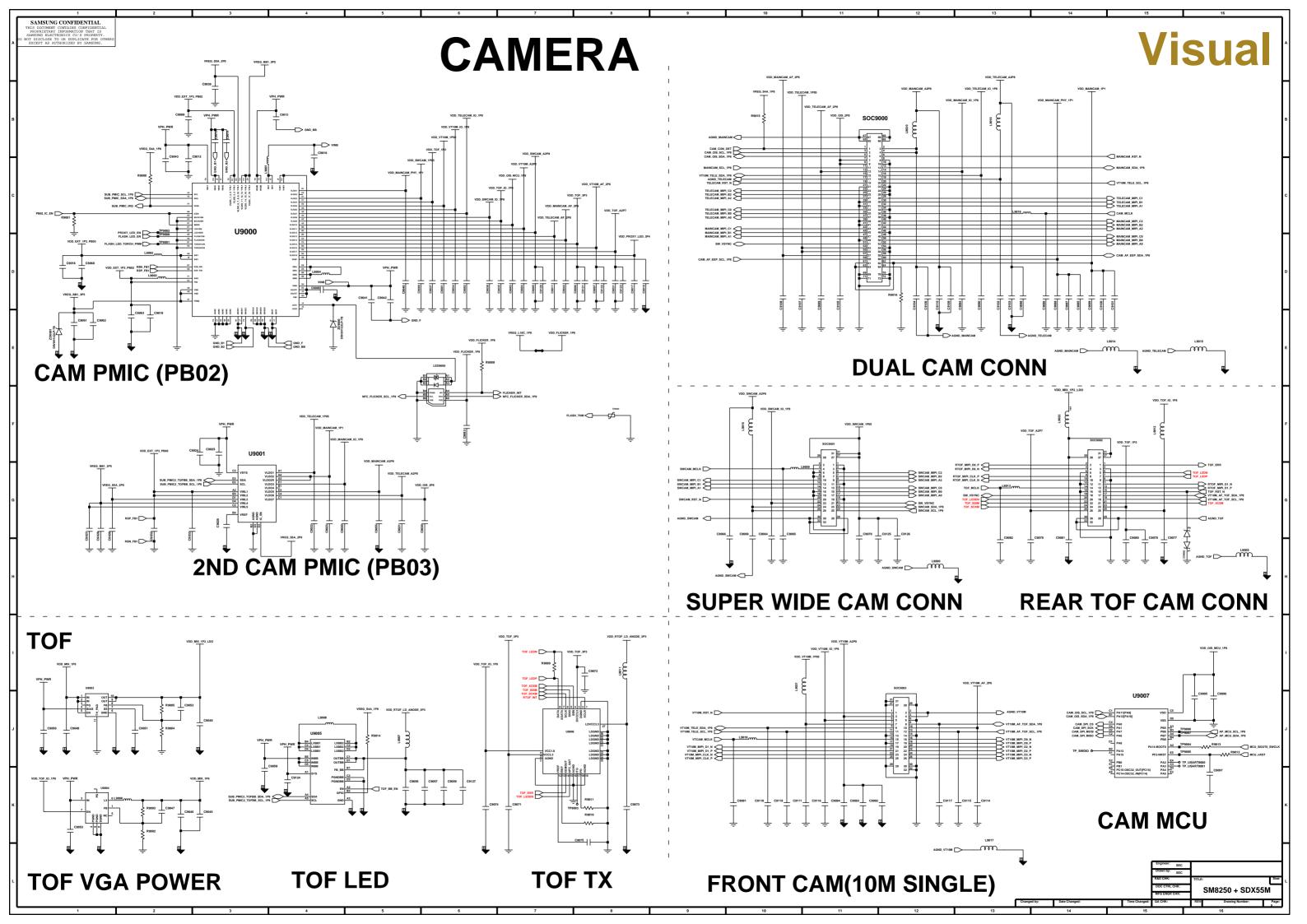








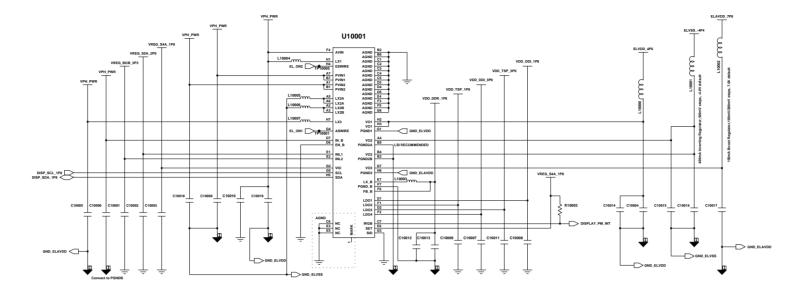




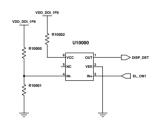
SAMSUNG CONTRIBENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

Visual

DISPLAY



DISPLAY PMIC



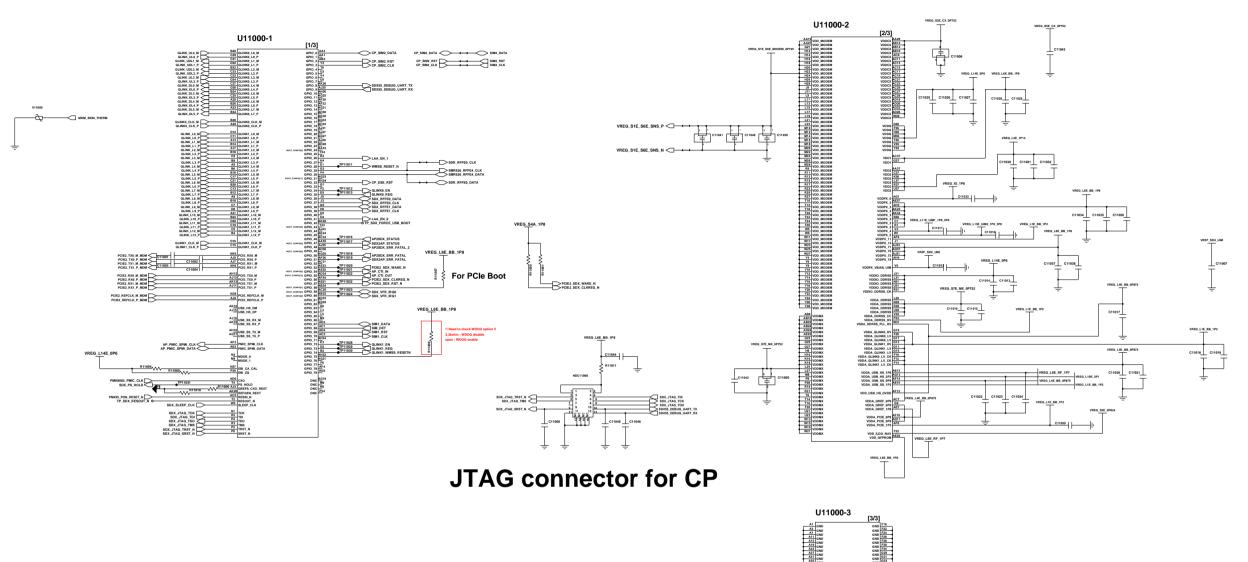
DISPLAY CONNECTOR

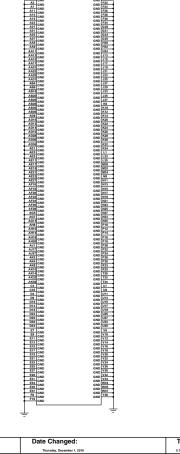
		Engineer: SEC				П
		Drawn by: SEC	1			
		R&D CHK:	TITLE	:	Size:	L
		DOC CTRL CHK:	1	SM8250 + SDX55	м	
		MFG ENGR CHK:	1	OMOZOO + ODAOO		П
nged by: Date Changed:	Time Changed:	QA CHK:	REV:	Drawing Number:	Page: 10	

SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS COMPIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
ON DISCLOSE TO OR DUDLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

SDX55M

System





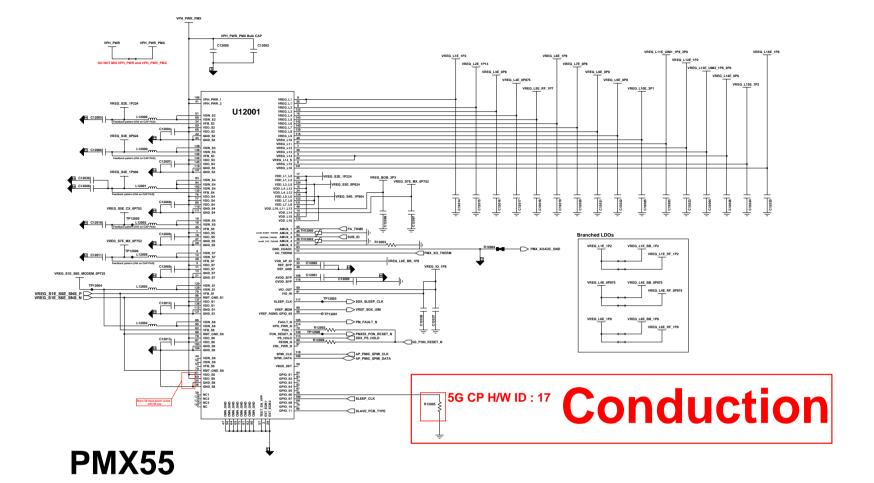
	Engineer: SEC	SAMSUNG
	Drawn by: SEC	ELECTRONICS
	R&D CHK:	TITLE: Size:
	DOC CTRL CHK:	SM8250 + SDX55M
	MFG ENGR CHK:	Omozoo i obxoom
i:	QA CHK:	REV: Drawing Number: Page:

SAMSUNG CONFIDENTIAL

THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NO NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

CP PMIC

Power

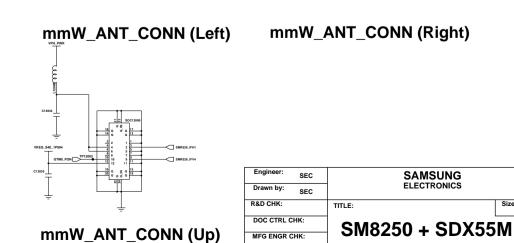


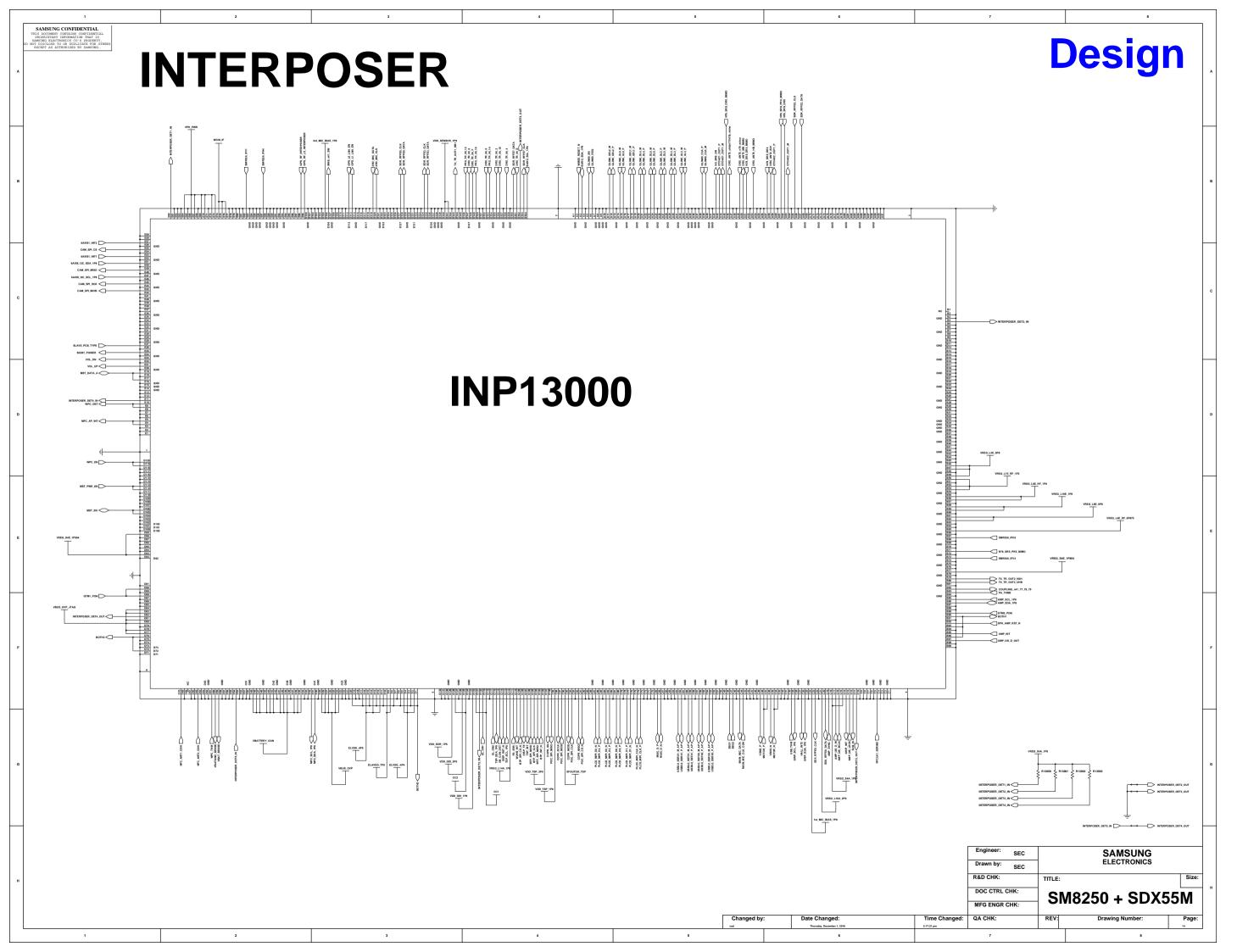
CP H/W ID table (PMX55 GPIO_06)

HW ID	BOARD REVISION	Value	Mech
00	SM8250+SDX55M Rev0.0	6.04K	
01		9.1K	
02	P2_REV0.0	12.4K	KI10
03	P2_REV0.0A	18K	KI10
04	P2_REV0.1	22K	KI20
05	P2_REV0.1(AP/CP V2.0 / TRCV V3.0)	30K	
06	SM-G986U_REV0.0(AP V1.0)	39K	KI30
07	SM-G986U_REV0.0(AP V1.0)	47K	KI30
80	SM-G986U_REV0.1	56K	KI40
09	SM-G986U_REV0.1 (QPM6585 NC)	68K	KI40
10	SM-G986U_REV0.1 (QPM6585,8972 NC	82K	KI40
11	SM-G986U_REV0.2	100K	KI50
12	SM-G986U_REV0.3	120K	VY60
13	SM-G986U_REV0.3A	150K	VY60
14	SM-G986U_REV0.4	180K	VY70
15	SM-G986U_REV0.4 (QAT5515)	200K	VY70
16	SM-G986U_REV0.5	240K	VY75
17	SM-G986U_REV0.5A	280K	VY75
18		330K	
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	

5G IFIC

Radiation





SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

HUBBLE 2 NA SLAVE REV0.5A

SM-G986W Common

2019. 11.27

made 1203, SMD 1209

sheet01: RF (1/2), MMW Conn

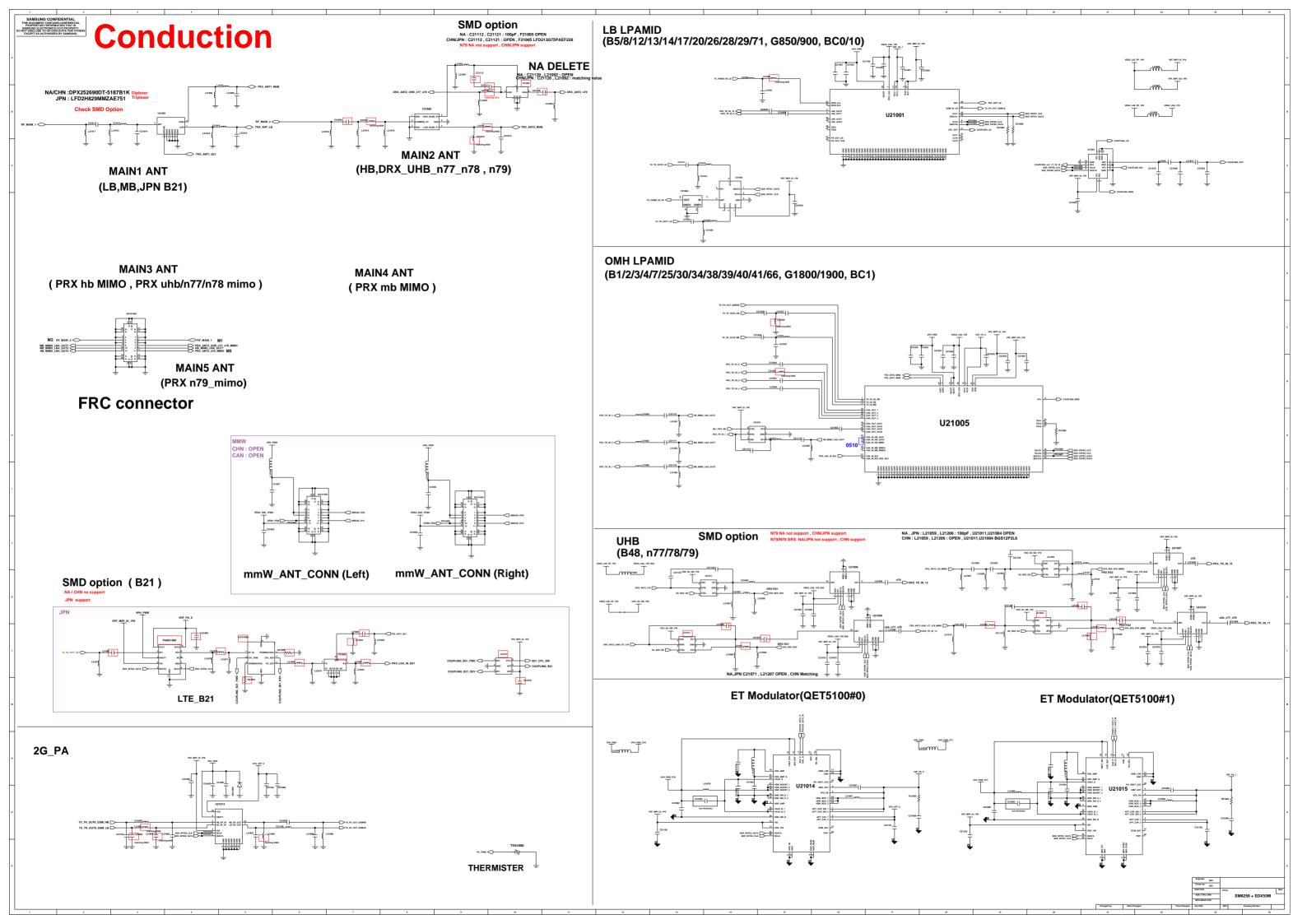
sheet02: RF (2/2), TRCV_SDR865

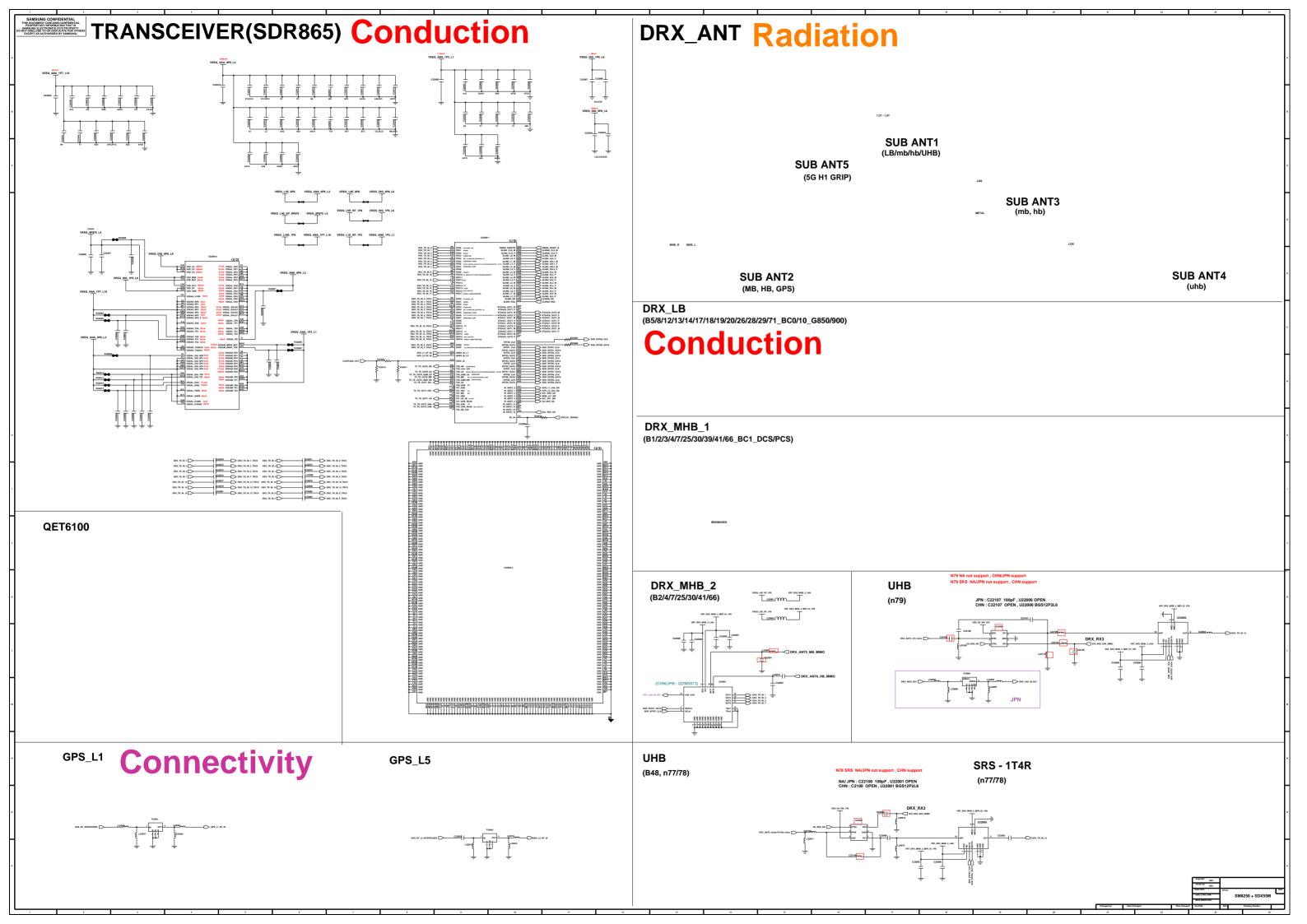
sheet03: BT/WIFI, SIM, SHILDCAN

sheet04: MFC, MFC Conn, 6XIS, BATT Conn, SPK AMP

sheet05: Lower SUB Conn, KEYLESS, DISPLAY Con

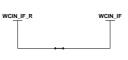
sheet06: INTERPOSER







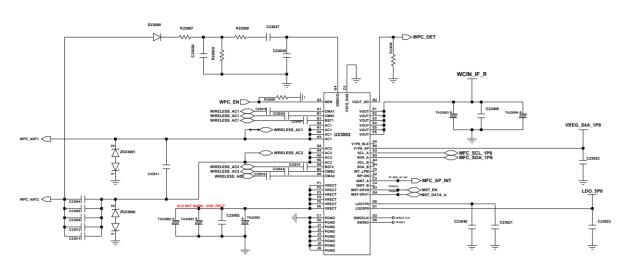
Power



MST Switch

AUDIO

MFC

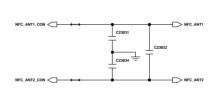


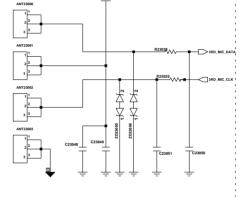
NFC

3rd MIC

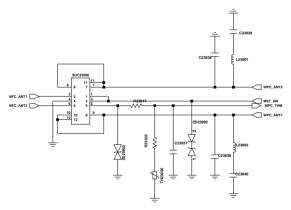
SPK AMP





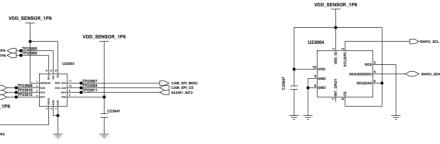


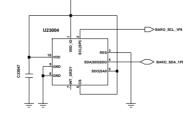
W/C CONNECTOR



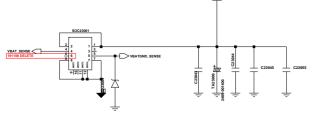
Power

SENSORS

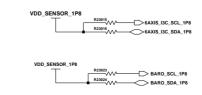




Battery Connector



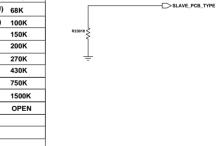
6 Axis SENSOR (GYRO, ACCEL)

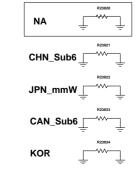


System

SLAVE_TYPE

	ADC
NA_Sub6_mmW(G986U)	68K
NA_CAN_Sub6(G986W)	100K
CHN_SUB6(G9860)	150K
LA_LTE	200K
KOR_Sub6(G956N)	270K
MEA_LTE	430K
JPN_mmW(G986D)	750K
JPN_LTE	1500K
For JIG	OPEN



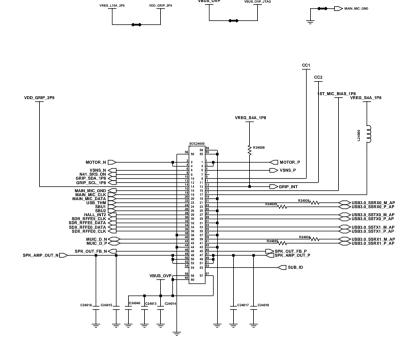


		Engineer: SEC					1
		Drawn by: SEC					1
		R&D CHK:		TITLE:		Size:	ı
DOC CTRL CHK:			SM8250 + SDX55M	16 1 12 A	ı		
		MFG ENGR CHK:					ı
	Time Changed: 11:27:01 pm	QA CHK:		REV:	Drawing Number:	Page:	1
	15				16		

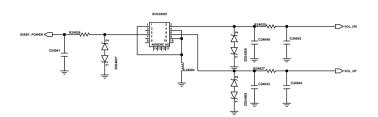
SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS OF OF DEPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

System

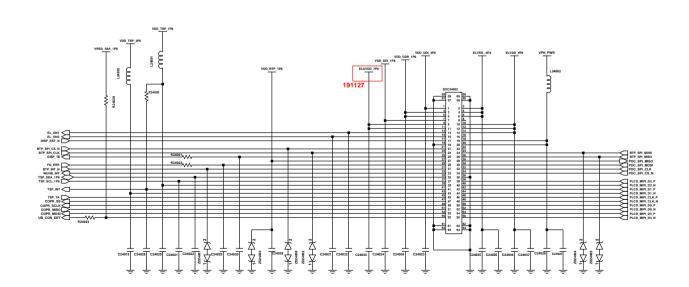
Lower SUB Conn



Vol key

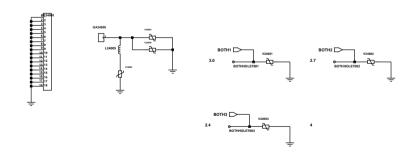


Visual



DISPLAY CONNECTOR

Design



SHIELD CAN

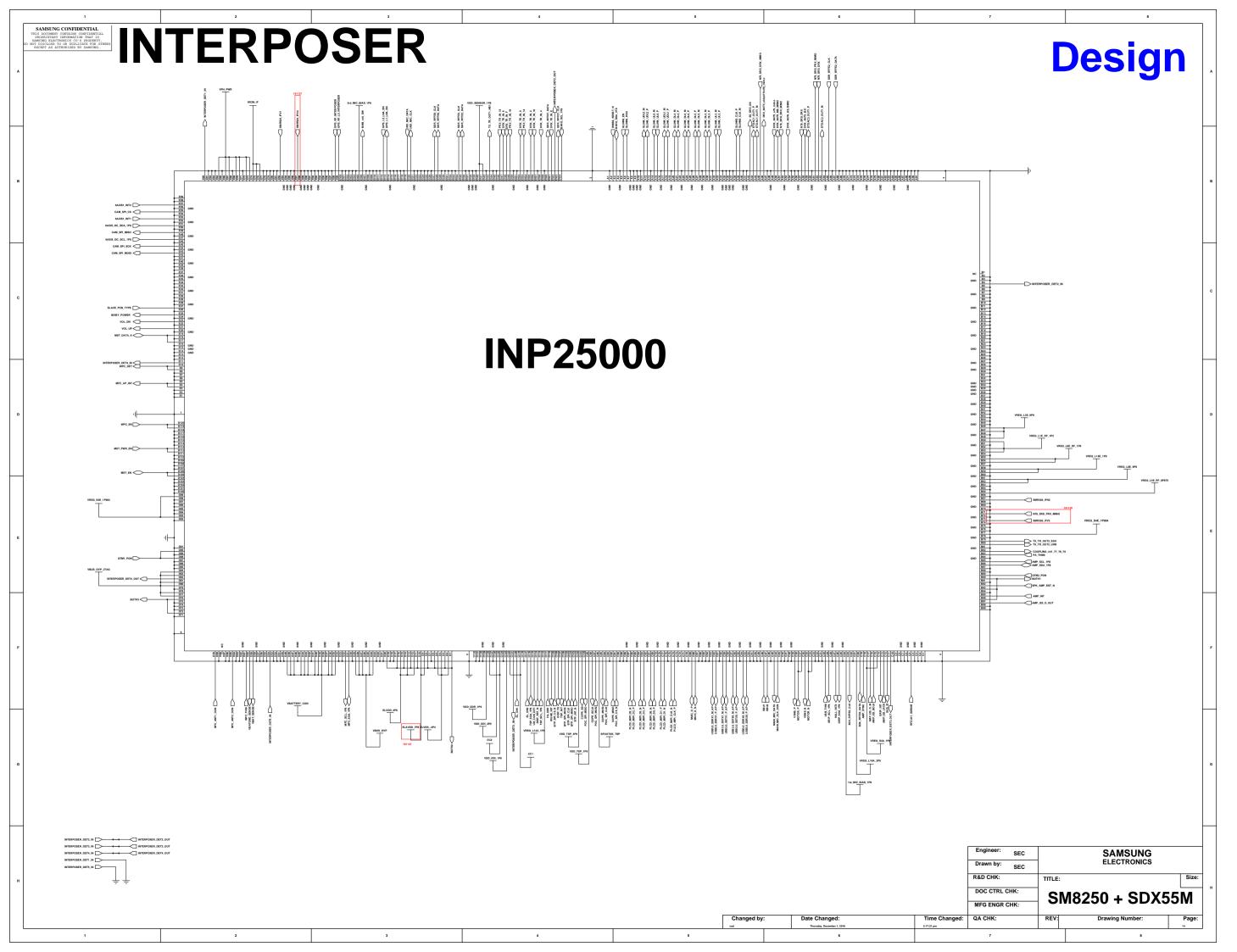
BOSS HOLE

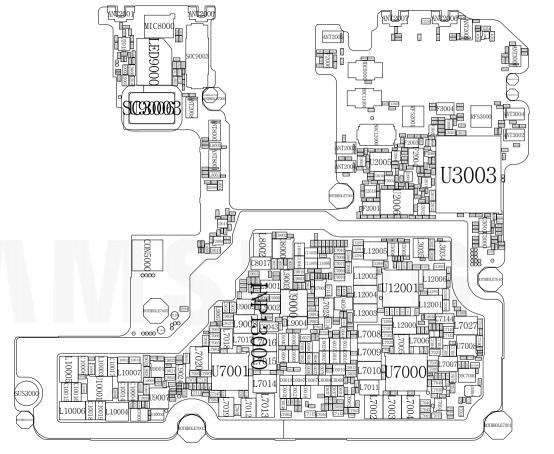


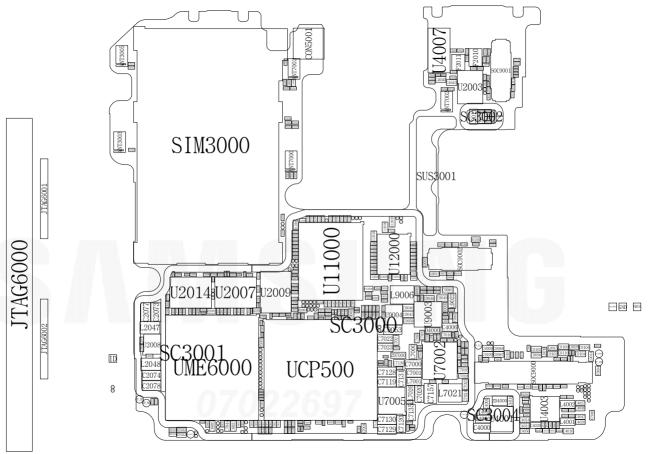
2D BACODE

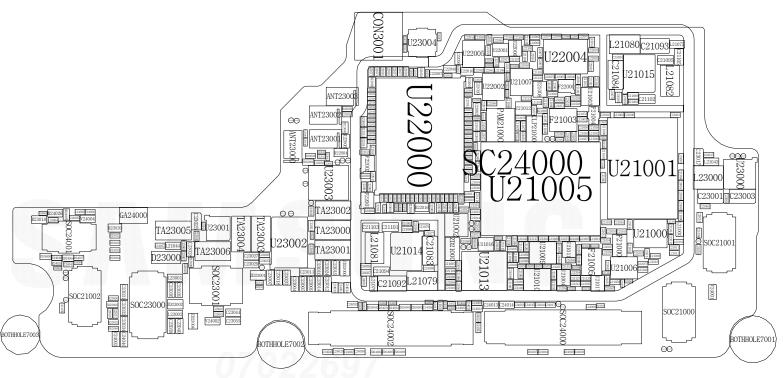
Engineer:	SEC	SAMSUNG			
Drawn by:	SEC	ELECTRONICS			
R&D CHK:		TITLE:	Size:		
DOC CTRL C	CHK:	SM8250 + SDX55	М		
MFG ENGR	CHK:	OMOZOO I ODAOO	'''		

Date Changed: Time Changed: QA CHK: REV: Drawing Number:









SAMSUNG CONFIDENTIAL

THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.

NOT DISCLOSE TO OR DUPLICATE FOR OTH
EXCEPT AS AUTHORIZED BY SAMSUNG.

SM-G986W MASTER REV0.5A

sheet01: RF (1/2)

2019. 11. 28

1216 OPEN -> NC 0213 R12005 Change

sheet02: RF (2/2)

sheet03: BT/WIFI, SIM, SHILDCAN

sheet04: NFC, MFC, OVP LS, SENSORS

sheet05: AP_SM8250

sheet06: AP_SM8250 POWER/GND, JTAG, UFS

sheet07: PM8250, IF PMIC(CC IC), D/C

sheet08: AUDIO

sheet09: CAMERA

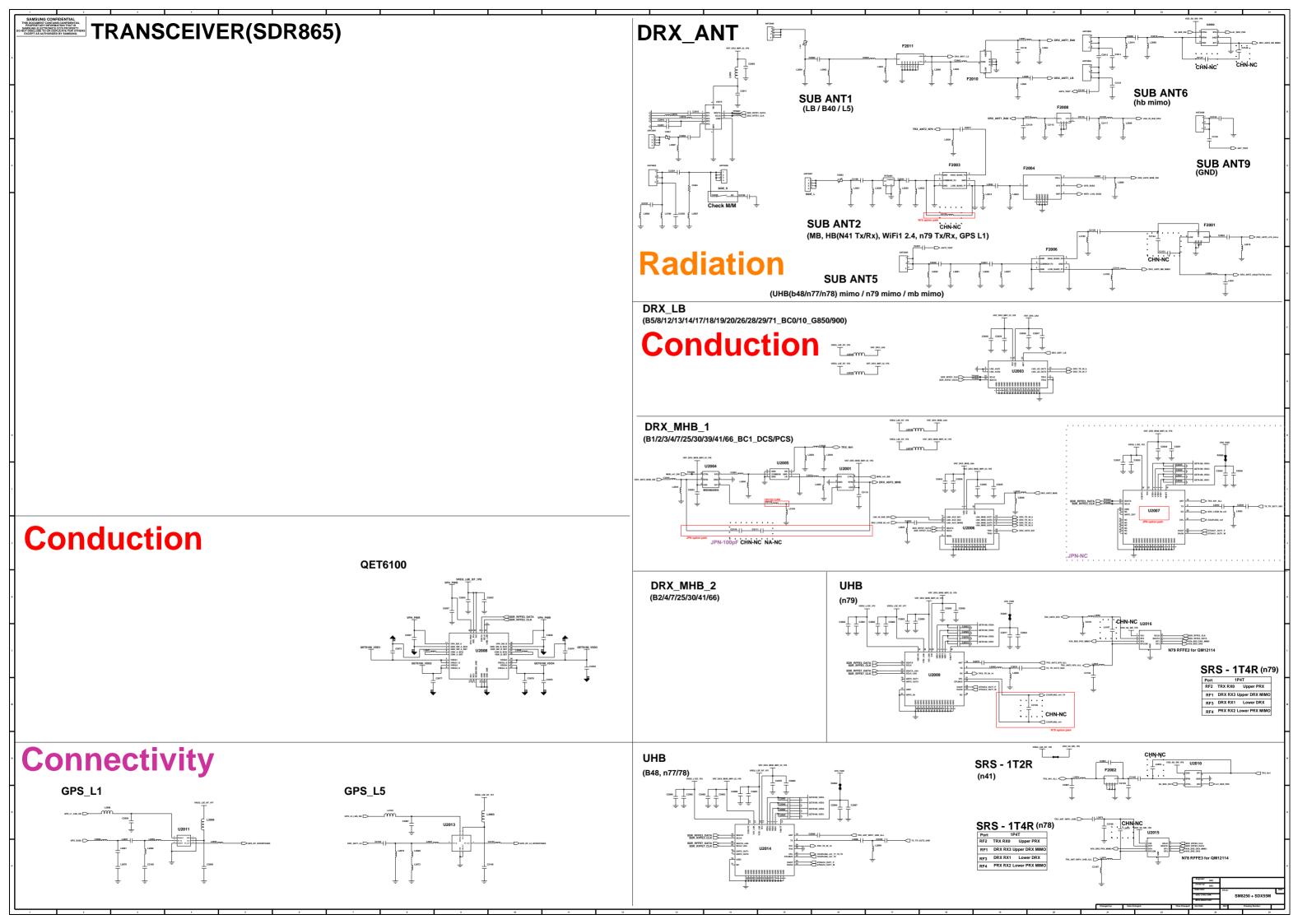
sheet10: DISPLAY

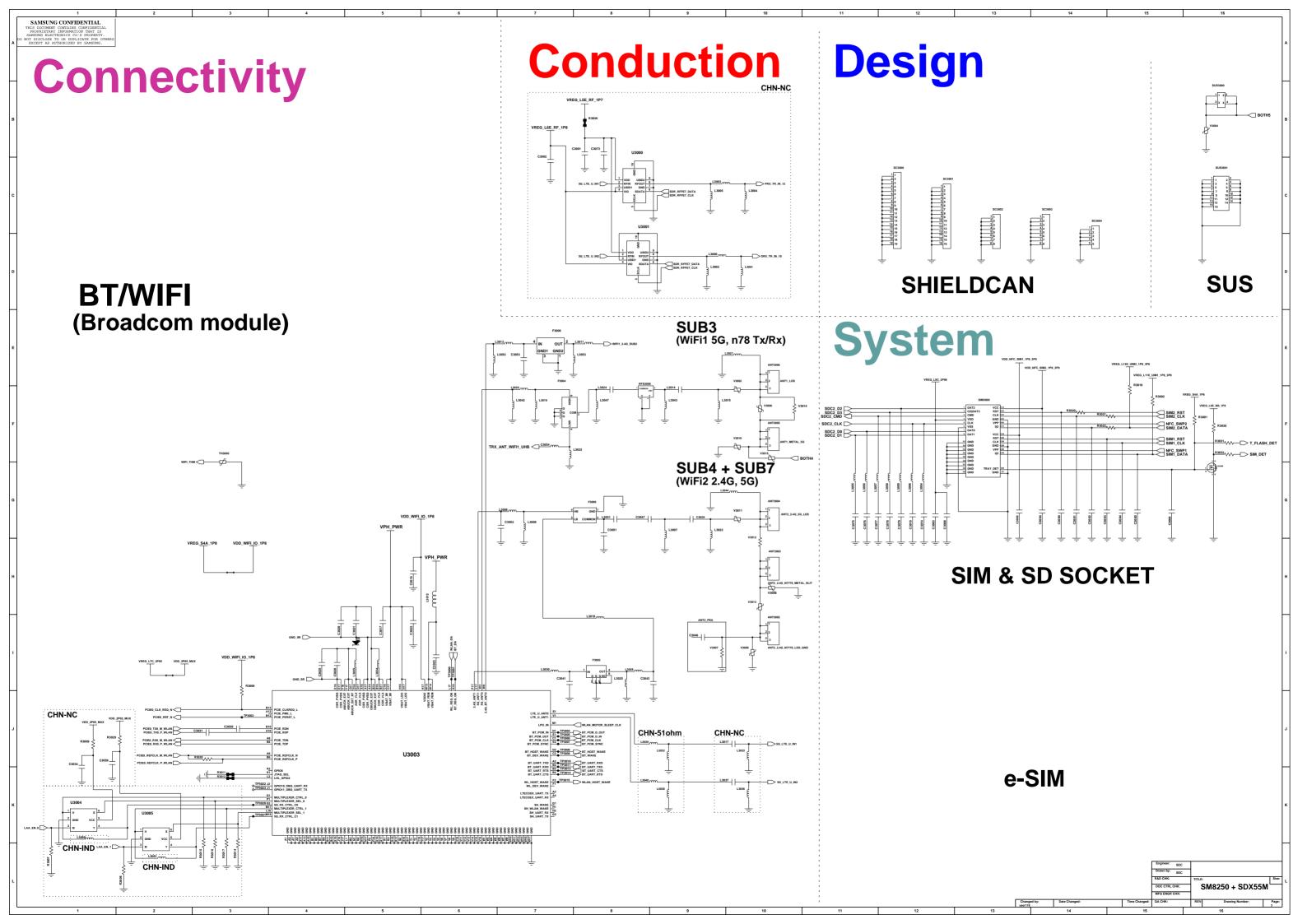
sheet11: CP_SDX55M

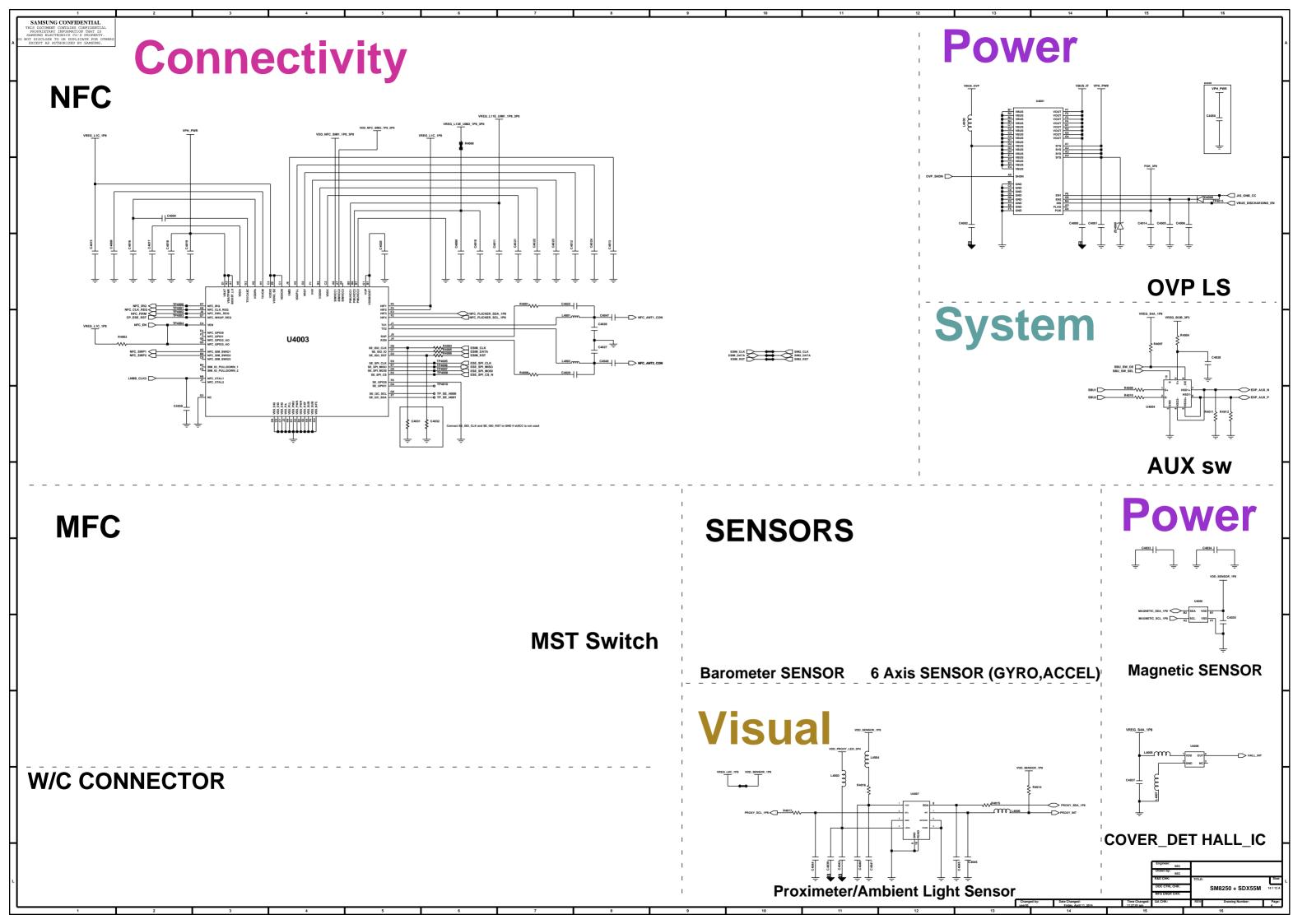
sheet12: CP PMIC, 5G IFIC, 5G Conn

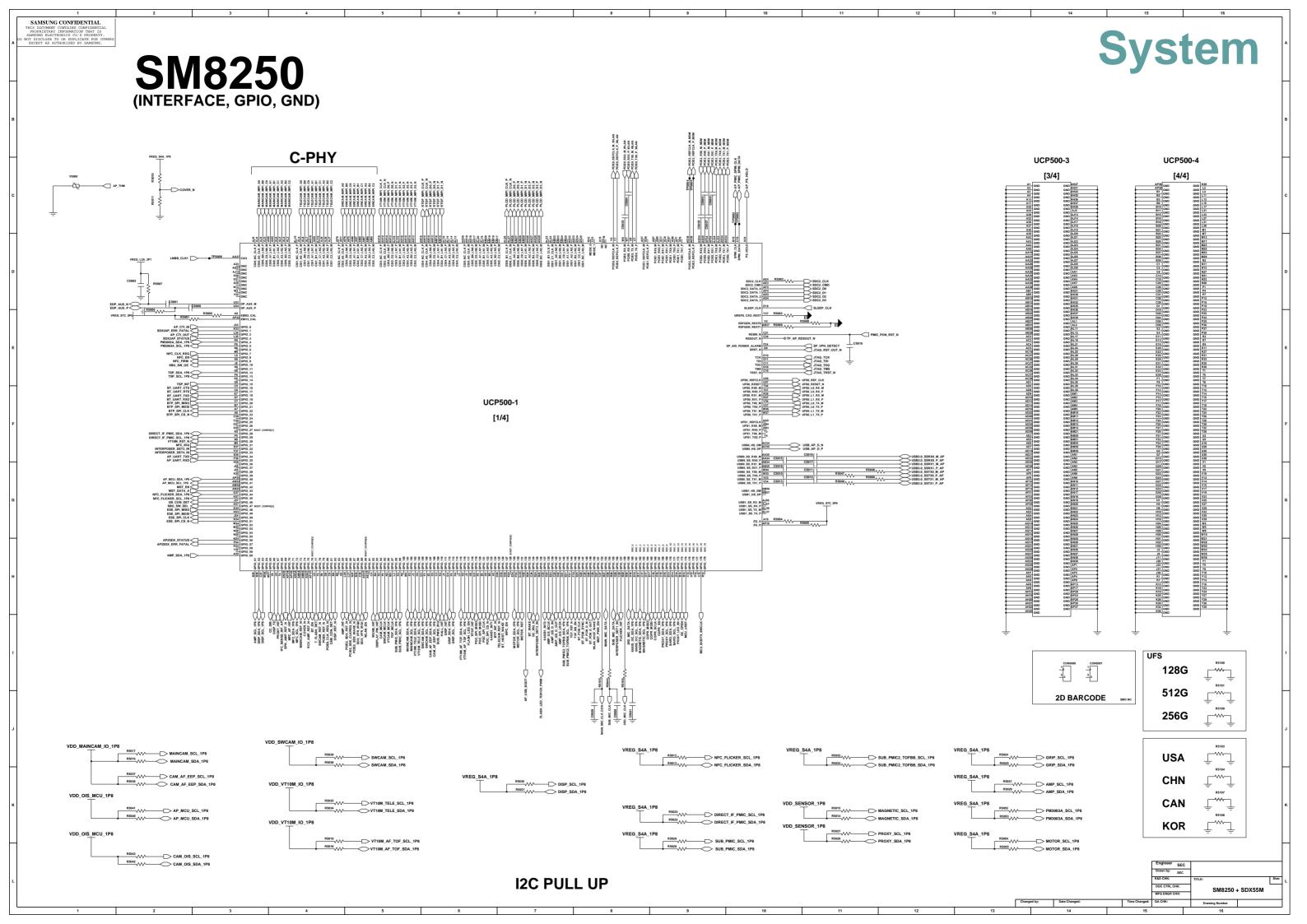
sheet13: INTERPOSER

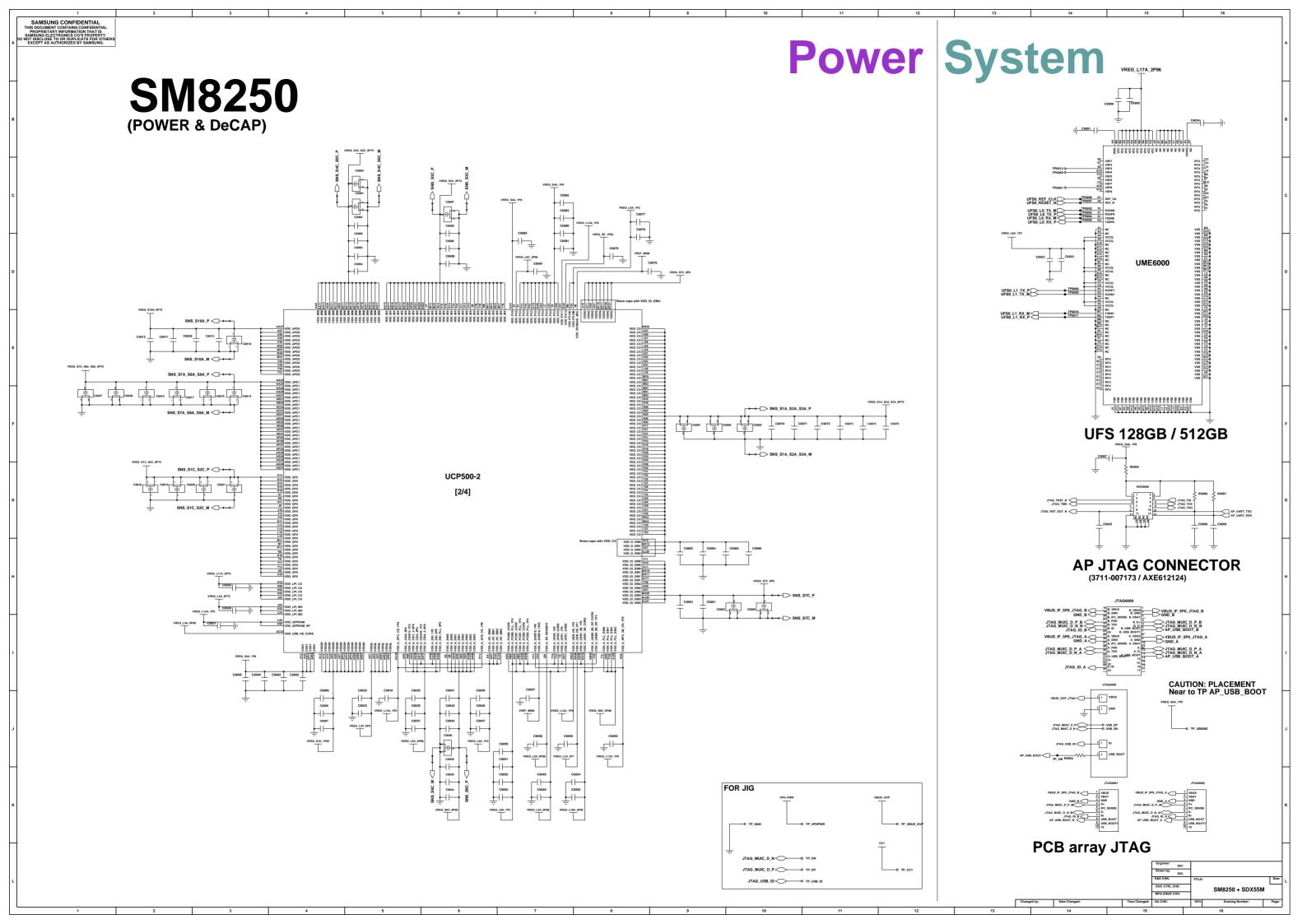
SAMSUNG CONFIDENTIAL THIS ROCHERT CONFIAN CONFIDENTIAL PROPRIETARY PROGRAMON THAT DE LIMITARY RESERVOIRES OF THE PERFORMANCE EXCEPT AS AUTHORIZED BY SAMSUNG.	LB LPAMID (B5/8/12/13/14/17/20/26/28/29/71, G850/900, BC0/10)	9 20 20 20 20
MAIN ANT	, , ,	
MAIN1-1 ANT		
MAIN1-2 ANT		
	OMH LPAMID (B1/2/3/4/7/25/30/34/38/39/40/41/66, G1800/1900, BC1)	
MAIN4 ANT		
MAIN2 ANT		
M1-1 M1-2 M2 M2 M3		
MAIN3 ANT	UHB	
FRC connector	UHB (B48, n77/78/79)	
JPN		
LTE_B21	ET Modulator(QET5100#0)	ET Modulator(QET5100#1)
2G_PA		
	Non-Williams	The Millians
THERMISTER		Equipme MS

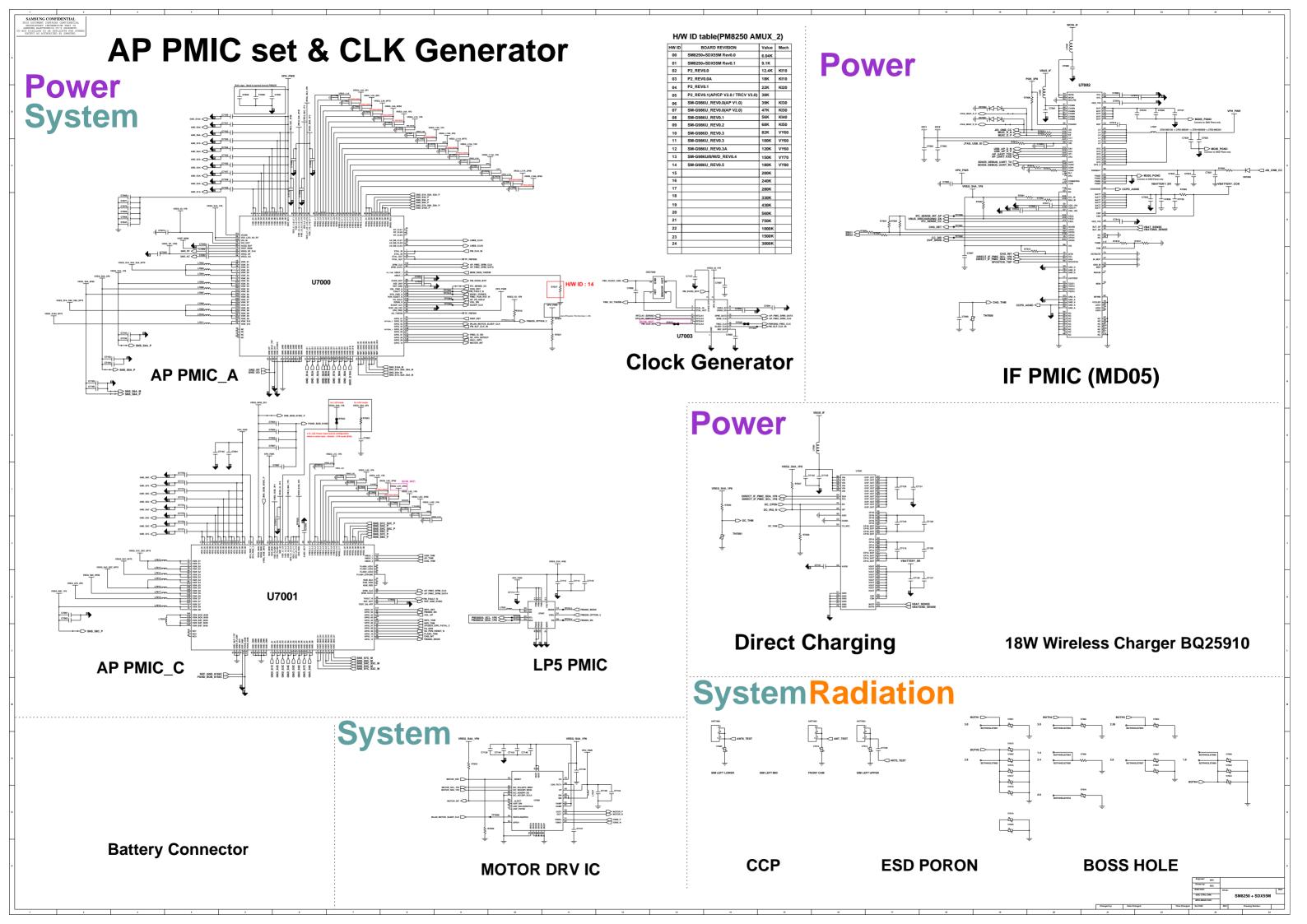


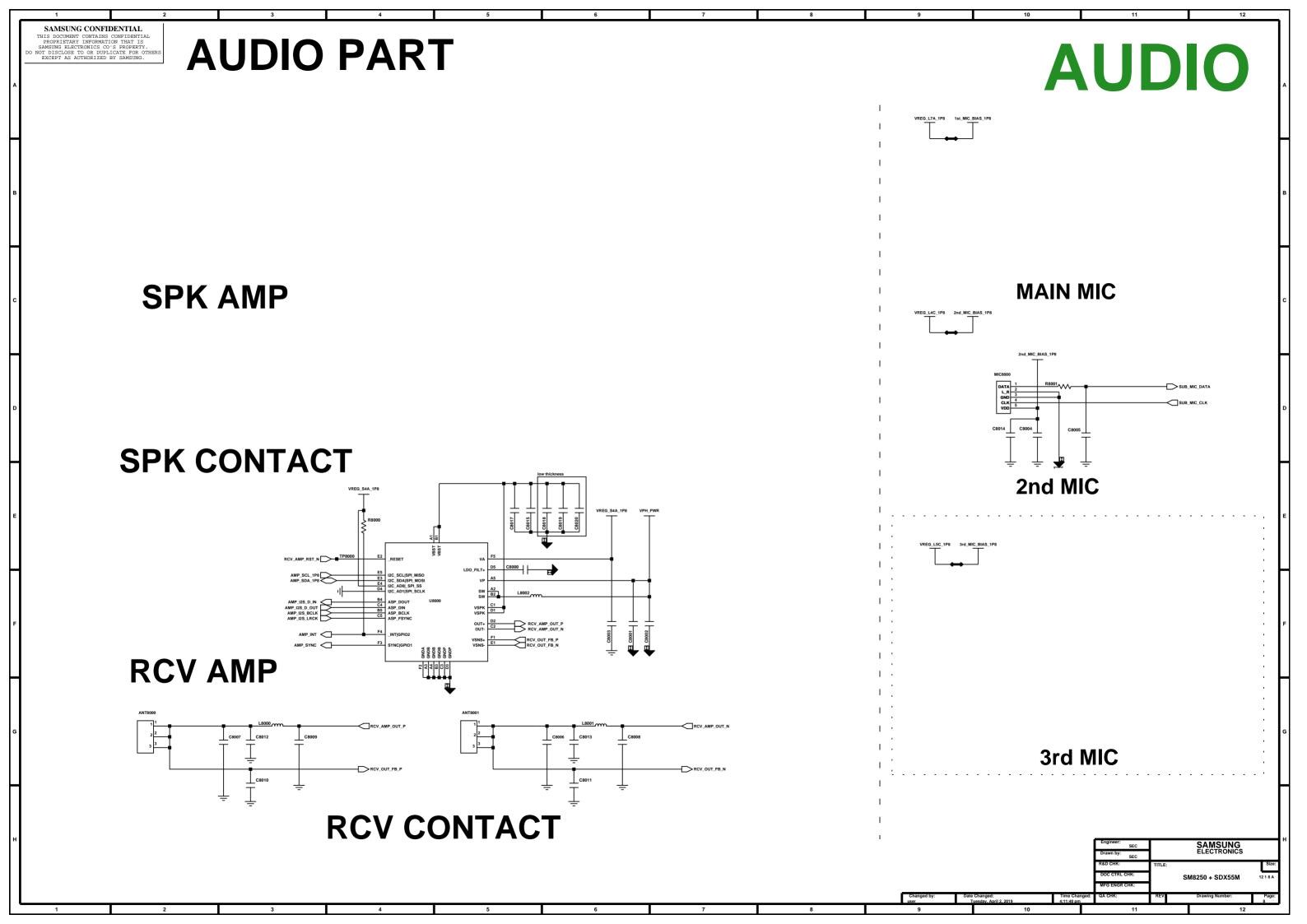


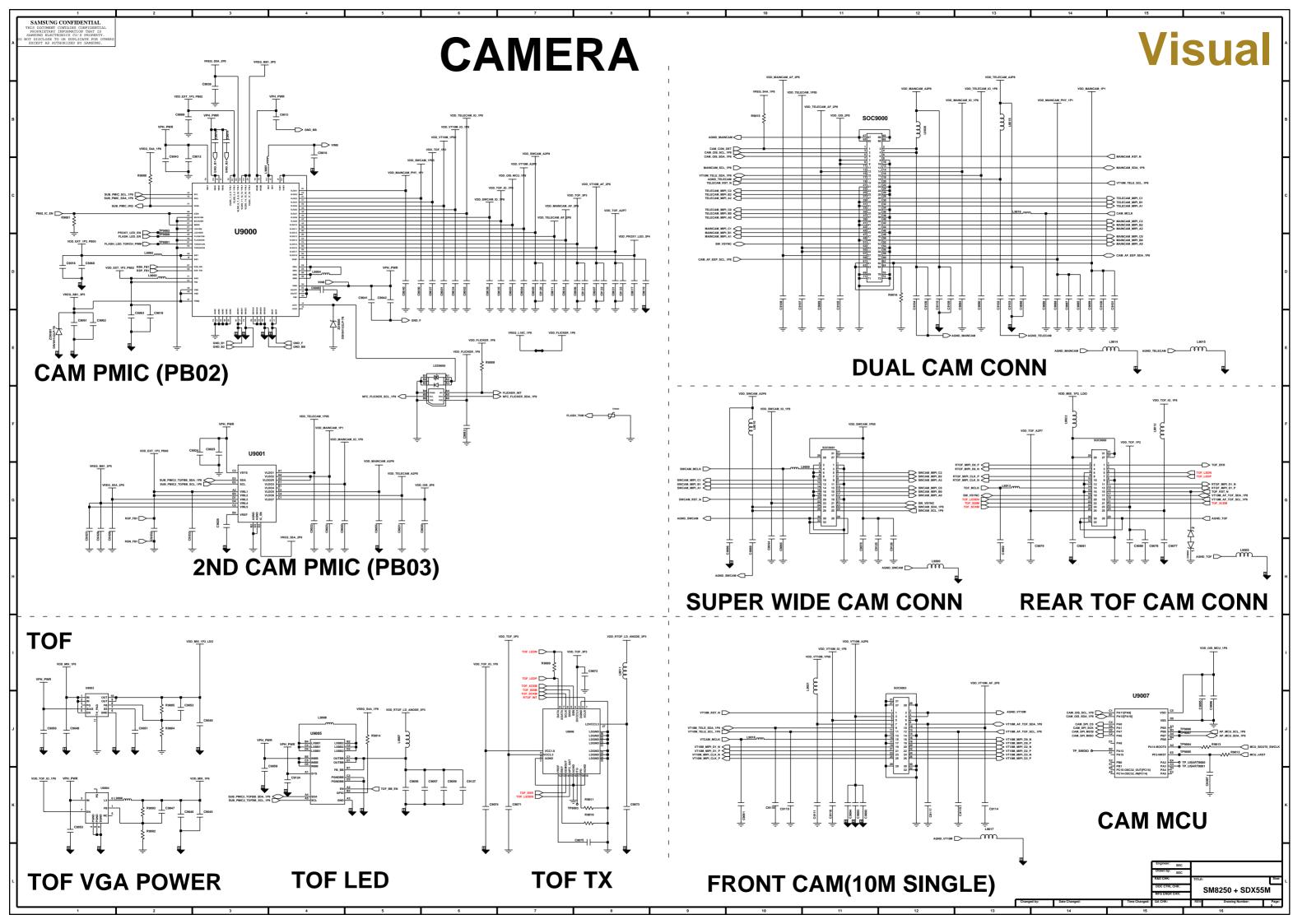








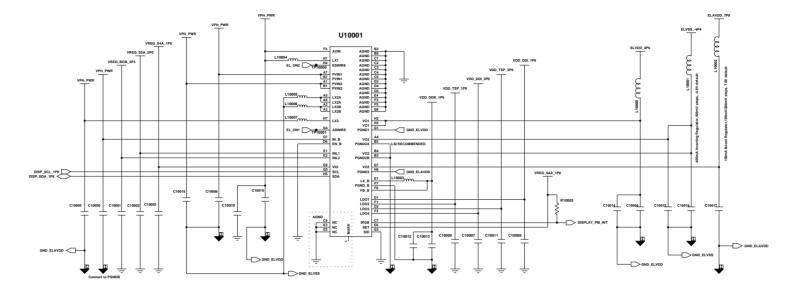




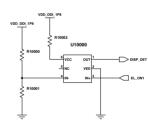
SAMSUNG CONTRIBENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

Visual

DISPLAY



DISPLAY PMIC



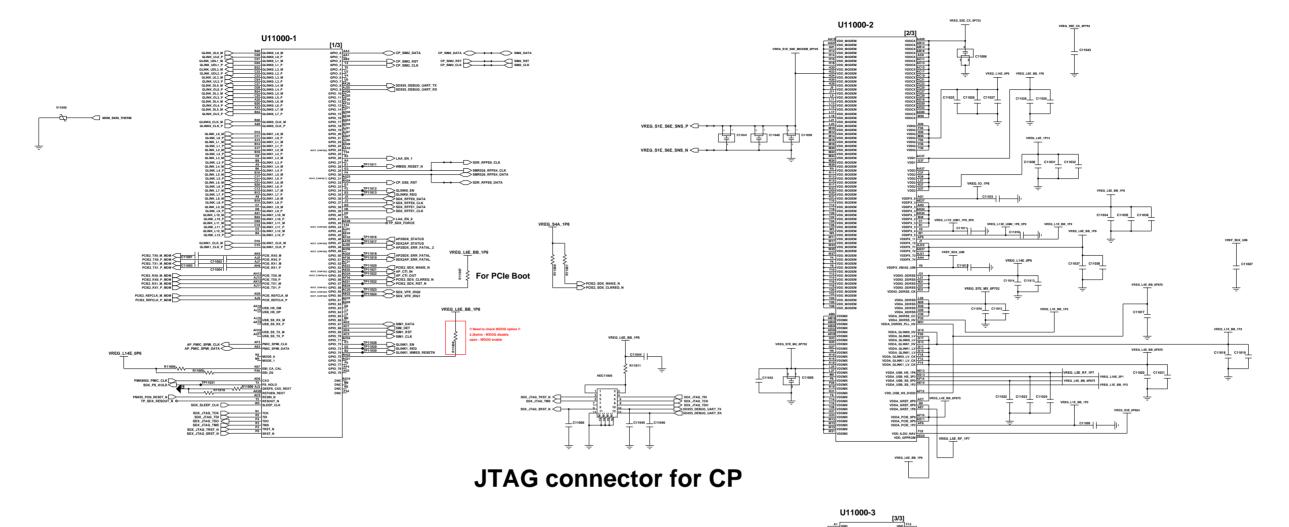
DISPLAY CONNECTOR

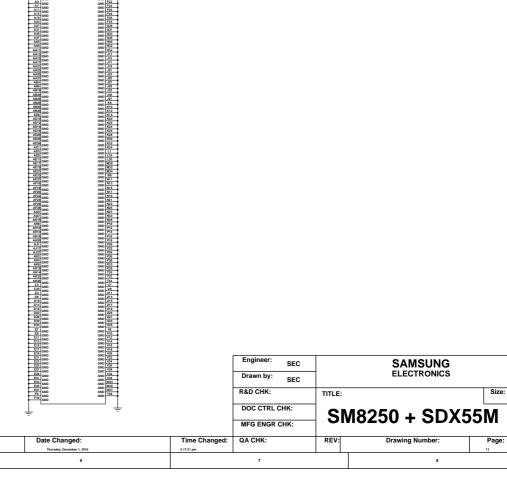
				Drawn by: SEC R&D CHK:	TITL	E:	Size:	L
				DOC CTRL CHK: MFG ENGR CHK:		SM8250 + SDX55	м	1
r:	Date Changed:		Time Changed:	QA CHK:	REV	Drawing Number:	Page:	1
		45				46		' I

SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS COMPIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
ON DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

SDX55M

System

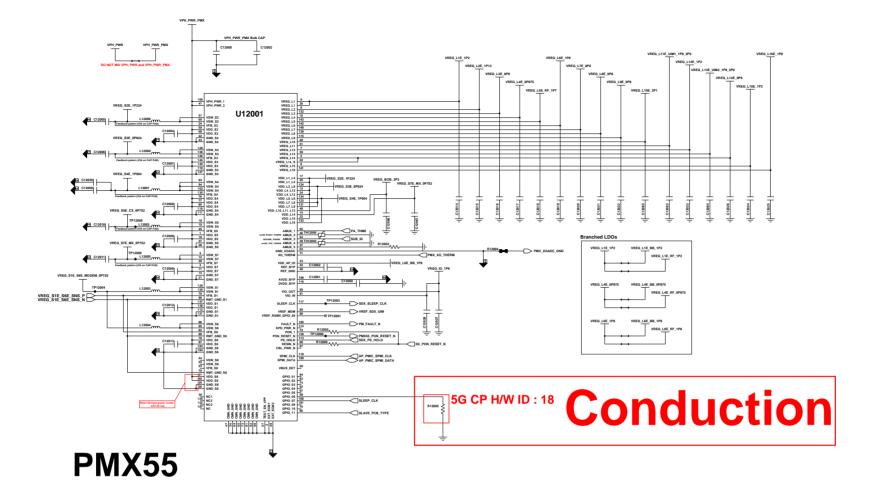




SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS COMPIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPRETY.
NOTO DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

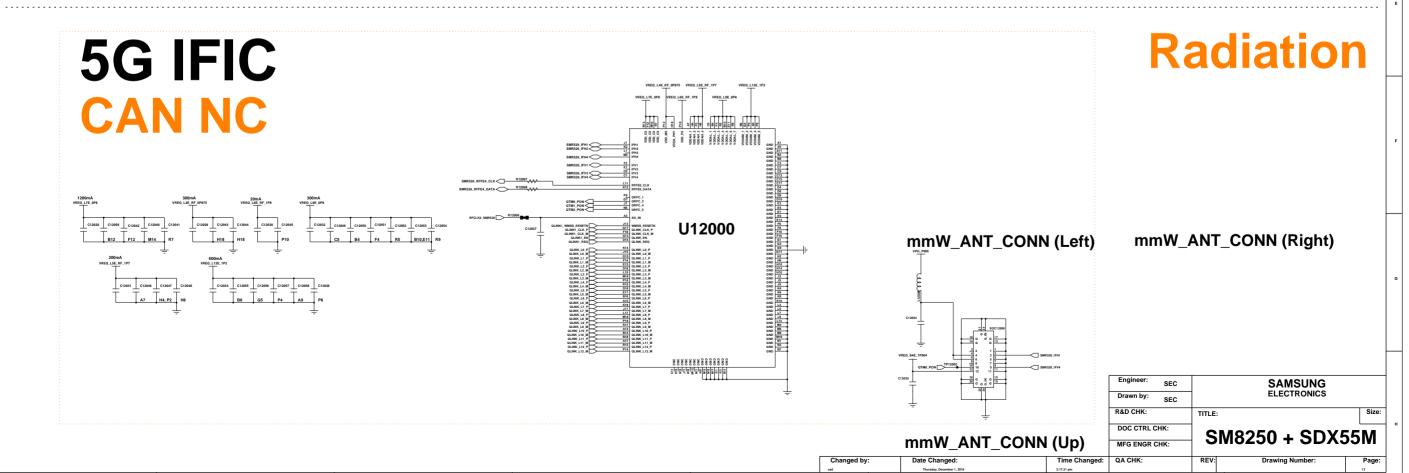
CP PMIC

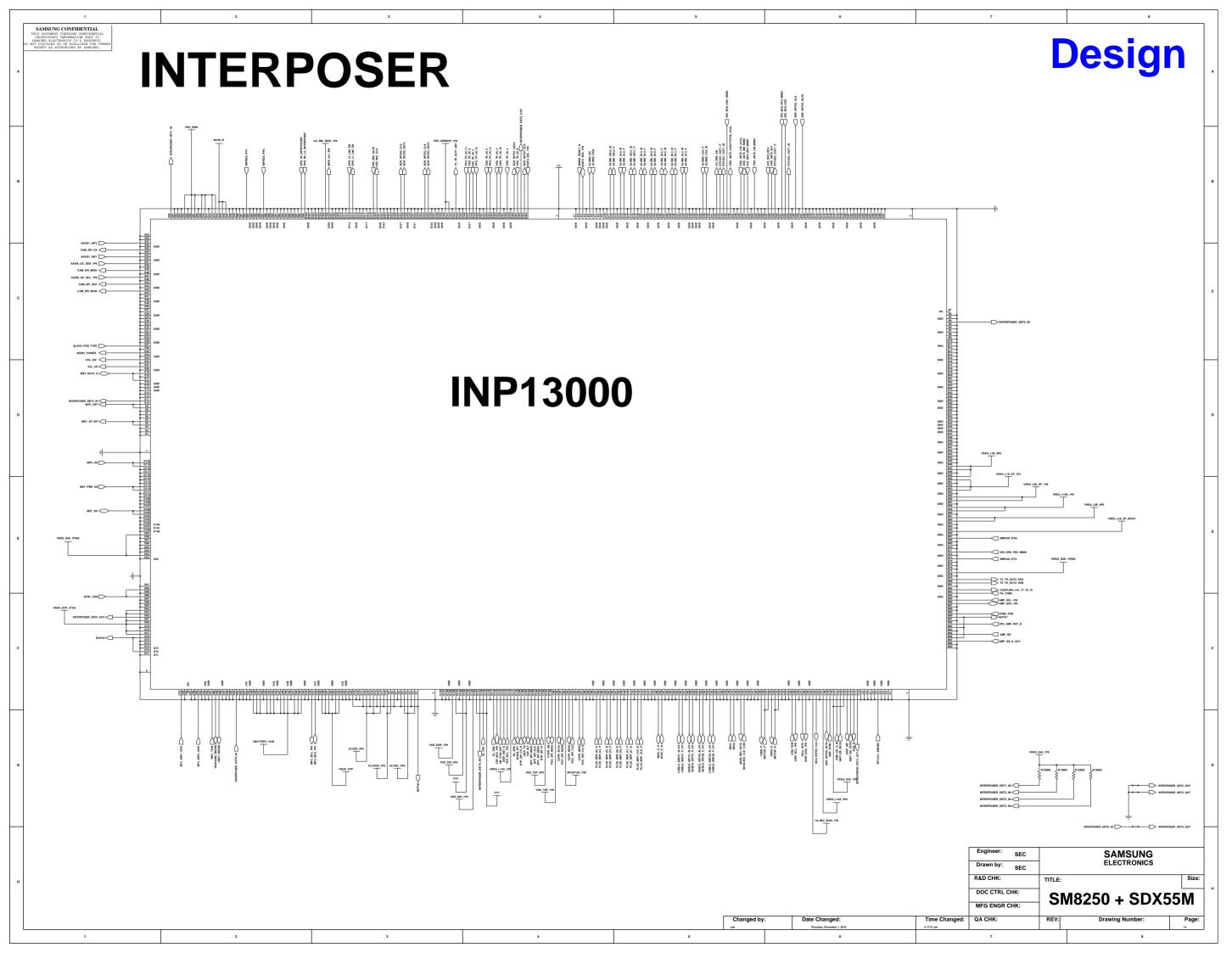
Power



CP H/W ID table (PMX55 GPIO_06)

HW ID	BOARD REVISION	Value	Mech
00	SM8250+SDX55M Rev0.0	6.04K	
01		9.1K	
02	P2_REV0.0	12.4K	KI10
03	P2_REV0.0A	18K	KI10
04	P2_REV0.1	22K	KI20
05	P2_REV0.1(AP/CP V2.0 / TRCV V3.0)	30K	
06	SM-G986U_REV0.0(AP V1.0)	39K	KI30
07	SM-G986U_REV0.0(AP V1.0)	47K	KI30
08	SM-G986U_REV0.1	56K	KI40
09	SM-G986U_REV0.1 (QPM6585 NC)	68K	KI40
10	SM-G986U_REV0.1 (QPM6585,8972 NC	82K	KI40
11	SM-G986U_REV0.2	100K	KI50
12	SM-G986U_REV0.3	120K	VY60
13	SM-G986U_REV0.3A	150K	VY60
14	SM-G986U_REV0.4	180K	VY70
15	SM-G986U_REV0.4 (QAT5515)	200K	VY70
16	SM-G986U_REV0.5	240K	VY75
17	SM-G986U_REV0.5A	280K	VY75
18	SM-G986U_REV0.5A	330K	VY75
19		430K	
20		560K	
21		750K	
22		1000K	
23		1500K	
24		3000K	





SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETARY INFORMATION THAT IS
SAMSUNG ELECTRONICS CO'S PROPERTY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHEI
EXCEPT AS AUTHORIZED BY SAMSUNG.

HUBBLE 2 CAN SLAVE REV0.5A

2019. 12.16

METAL Ver(200107) 0210 change R21004, R21005

sheet01: RF (1/2), MMW Conn

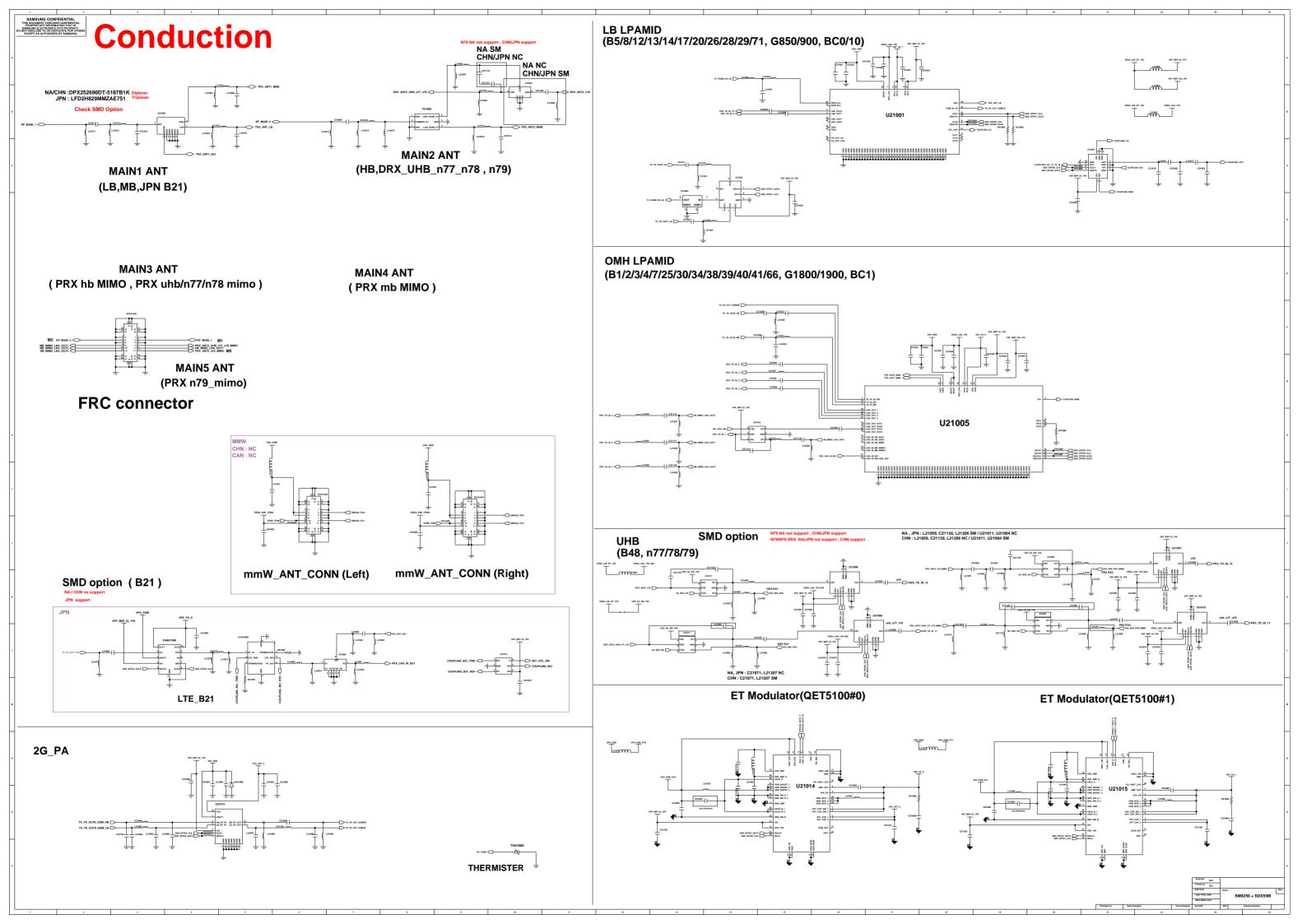
sheet02: RF (2/2), TRCV_SDR865

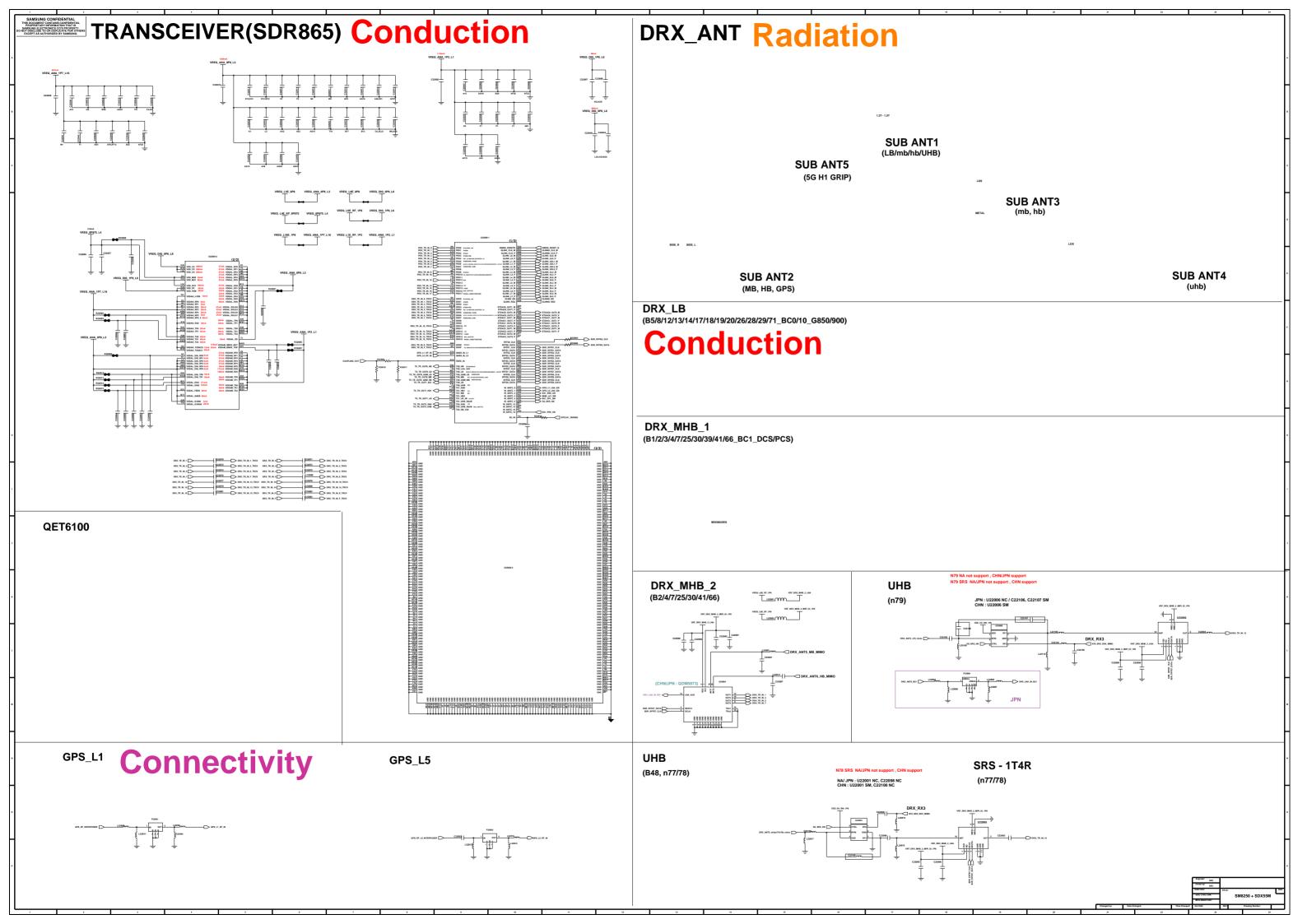
sheet03: BT/WIFI, SIM, SHILDCAN

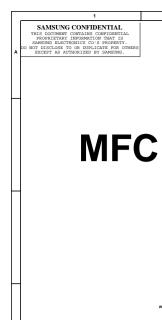
sheet04: MFC, MFC Conn, 6XIS, BATT Conn, SPK AMP

sheet05: Lower SUB Conn, KEYLESS, DISPLAY Con

sheet06: INTERPOSER



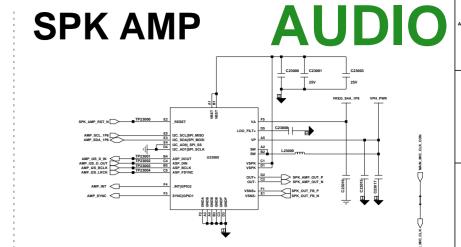


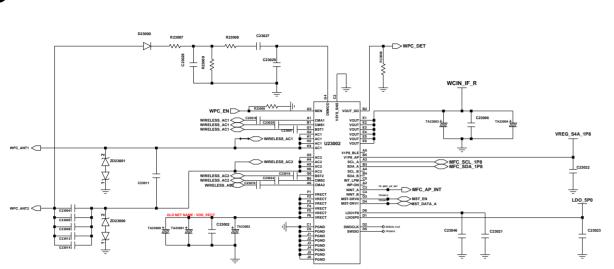


Power



MST Switch



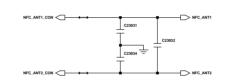


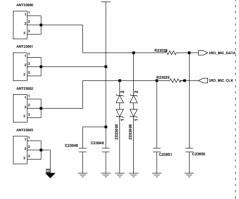
NFC

3rd MIC

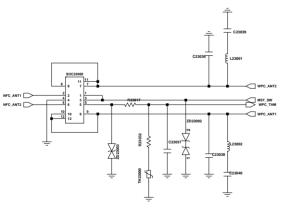






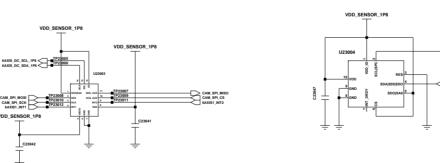


W/C CONNECTOR

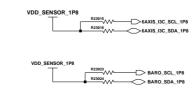


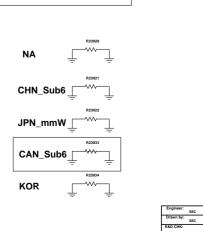
Power

SENSORS





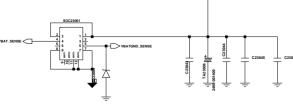




System

┙						
		Engineer: SEC				
		Drawn by: SEC				
		R&D CHK:	TITLE	:		Size:
		DOC CTRL CHK:			SM8250 + SDX55M	16 1 12 A
		MFG ENGR CHK:	Ш.	_		
	Time Changed: 11:27:01 pm	QA CHK:	REV:		Drawing Number:	Page: 4
	15				16	

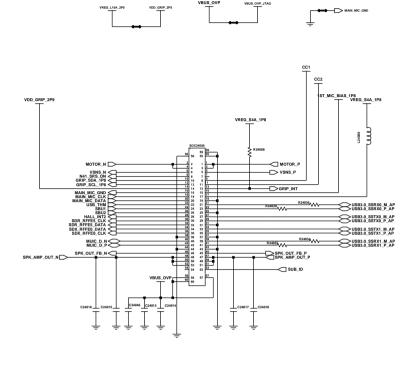
Battery Cor	nnector
	SOC23001



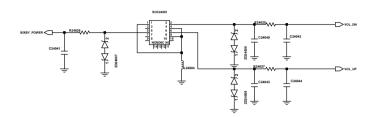
SAMSUNG CONFIDENTIAL
THIS DOCUMENT CONTAINS CONFIDENTIAL
PROPRIETRRY INFORMATION THAT IS
SAMSUNG LECTRONICS OC 9 PROPRRY.
NOT DISCLOSE TO OR DUPLICATE FOR OTHERS
EXCEPT AS AUTHORIZED BY SAMSUNG.

System

Lower SUB Conn

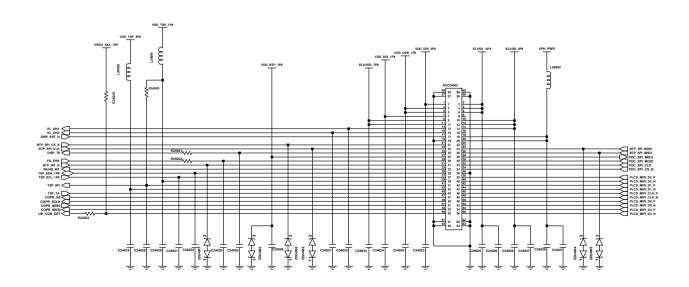


Vol key



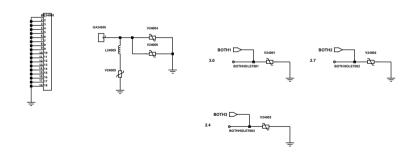
Visual





DISPLAY CONNECTOR

Design



SHIELD CAN

BOSS HOLE



2D BACODE

Engineer:	SEC	SAMSUNG	
Drawn by:	SEC	ELECTRONICS	
R&D CHK:		TITLE:	Size:
DOC CTRL CHK:		SM8250 + SDX55M	
MFG ENGR CHK:			

by: Date Changed: Time Changed: QA CHK: REV: Drawing Number:

