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ANIBAL GARCIA VENEZUELA

SM-A705_REV0.4

SM-A705FN/F/GM/MN/W Common

2019.02.27

SHEET 01 : MAIN RF FRONT-END

SHEET 02 : TRCV, APT, DIVERSITY RF FRONT-END

SHEET 03 : SENSORS, BT/WIFI/FM, NFC

SHEET 04 : AP (SM6150)

SHEET 05 : PMIC, IF-PMIC

SHEET 06 : SD/SIM SOCKET, MEMORY, INTERFACE

SHEET 07 : CAMERA, DISPLAY

SHEET 08 : AUDIO

EU	SM-A705FN	DS	RAM : 6	ROM : 128	eSE	X	
CIS	SM-A705FN	DS	RAM : 6	ROM : 128	eSE	MST	
MEA	SM-A705FN	DS / SS	RAM : 6	ROM : 128	eSE	X	
SWA	SM-A705GM	DS / SS	RAM : 6 / 8	ROM : 128	X	MST	
SEA	SM-A705F	DS / SS	RAM : 6 / 8	ROM : 128	X	X	
SEA	SM-A705MN	DS / SS	RAM : 6 / 8	ROM : 128	UICC	X	
LA	SM-A705MN	DS / SS	RAM : 6	ROM : 128	UICC	X	
Taiwan/Hongkong	SM-A7050	DS / SS	RAM : 6	ROM : 128	eSE	X	
Korea	SM-A705N	SS	RAM : 6	ROM : 128	UICC	MST	
China	SM-A7050	DS	RAM : 6	ROM : 128	eSE	MST	
Canada	SM-A705W	DS	RAM : 6	ROM : 128	eSE	X	

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Drawn by:
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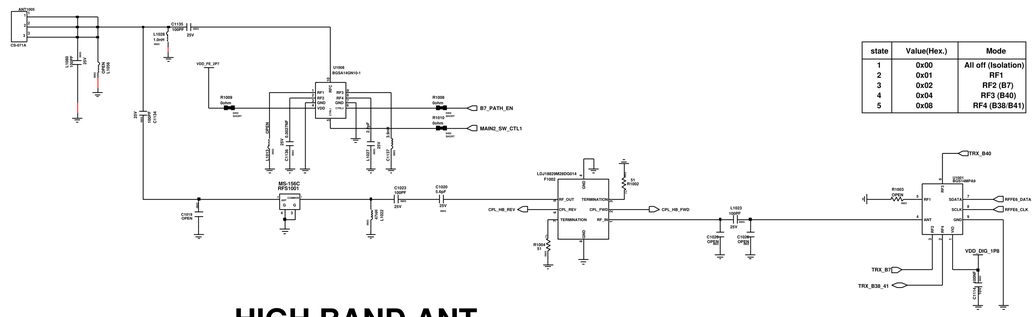
RF PART 1

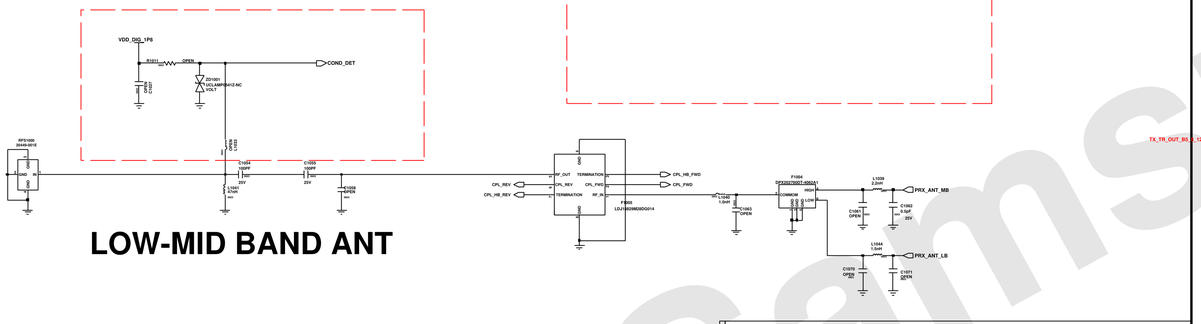
ANIBAL GARCIA VENEZUELA

HIGH BAND ANT

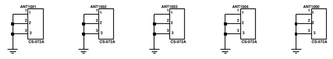


state	Value(Hex.)	Mode
1	0x00	All off (Isolation)
2	0x01	RF1
3	0x02	RF2 (B7)
4	0x04	RF3 (B40)
5	0x08	RF4 (B38/B41)

LOW-MID BAND ANT



GND CONTACT



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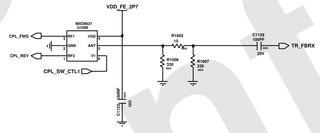
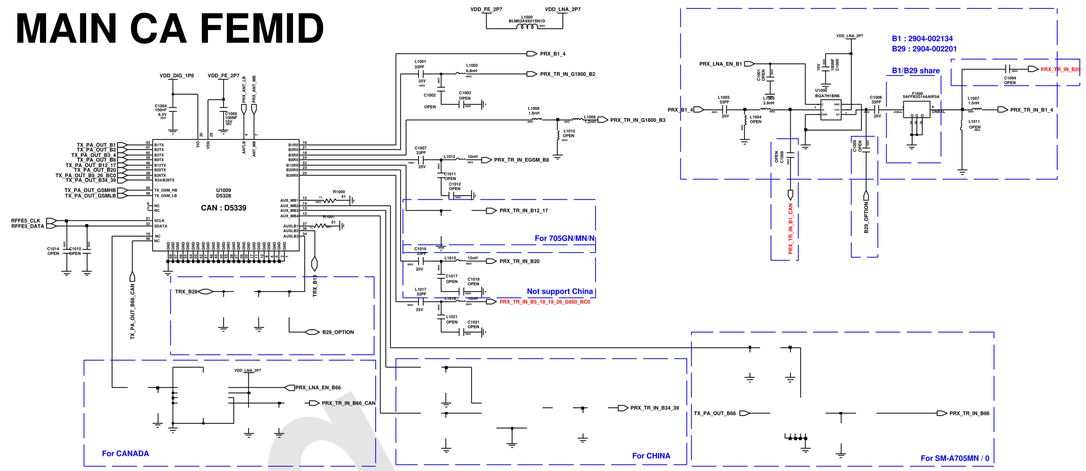
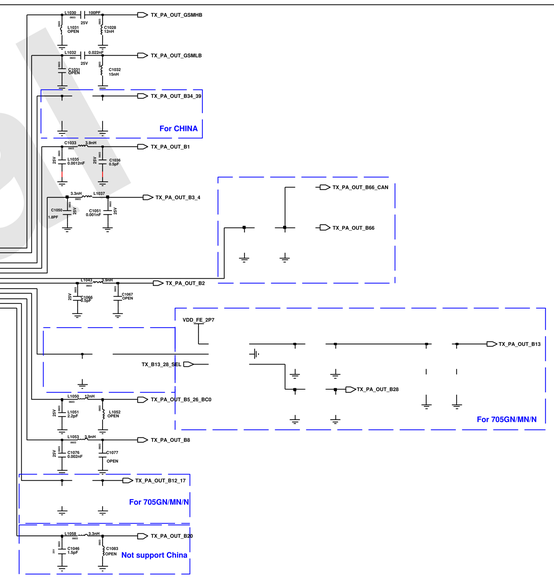


EU	SM-A705FN	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20	LTE TDD : B38, 40, 41
CIS	SM-A705FN	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20	LTE TDD : B38, 40, 41
MEA	SM-A705FN	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20	LTE TDD : B38, 40, 41
SWA	SM-A705GM	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20	LTE TDD : B38, 40, 41
SEA	SM-A705F	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20	LTE TDD : B38, 40, 41
SEA	SM-A705MN	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 4, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20 LTE FDD : B2, 4, 12, 13, 17, 28, 66	LTE TDD : B38, 40, 41
LA	SM-A705MN	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 4, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20 LTE FDD : B2, 4, 12, 13, 17, 28, 66	LTE TDD : B38, 40, 41
Taiwan/Hongkong	SM-A7050	GSM : 850, 900, 1800, 1900 / BC0	WCDMA : 1, 2, 4, 5, 8	LTE FDD : B1, 3, 5, 7, 8, 20 LTE FDD : B2, 4, 12, 13, 17, 28, 66	LTE TDD : B34, 38, 39, 40, 41
Korea	SM-A705N	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 4, 5	LTE FDD : B1, 3, 5, 7, 8, 20 LTE FDD : B4, 13, 17, 28	LTE TDD : B38, 39, 40, 41
China	SM-A7050	GSM : 850, 900, 1800, 1900 / BC0	WCDMA : 1, 2, 5, 8	LTE FDD : B1, 3, 5, 7, 8 LTE FDD : B4, 12, 17	LTE TDD : B34, 38, 39, 40, 41
Canada	SM-A705W	GSM : 850, 900, 1800, 1900	WCDMA : 1, 2, 4, 5, 8	LTE FDD : B1, 2, 3, 4, 5, 7, 12, 13, 17 LTE FDD : B20, 26, 29, 66	LTE TDD : B38, 40, 41

MAIN CA FEMID



MMMB PA

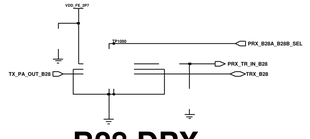


2G : EGSM / DCS / PCS / GSM850

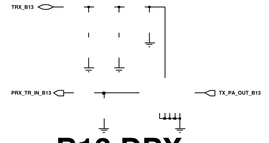
3G : B1 / 2 / 4 / 5 / 8 / BC0 / TD-A/F

LTE : B1 / 2 / 3 / 4 / 5 / 8 / 12 / 13 / 17 / 18 / 19 / 20 / 26 / 28 / 34 / 39 / 66

B28 DPX



B13 DPX



For 705GN/MN/N

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App Date:				TITLE:	A70
DOC Chief:					
MFG Mgr/Date:					

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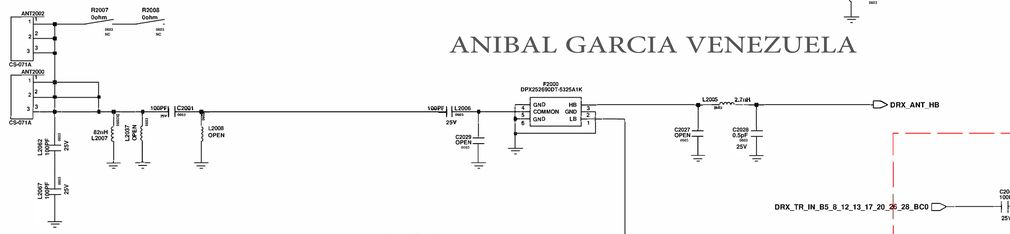
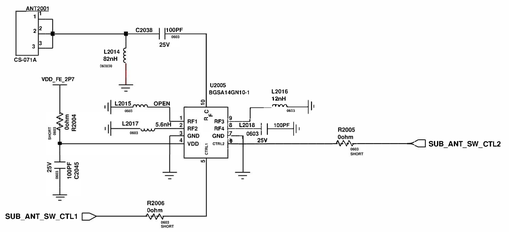
RF PART 2

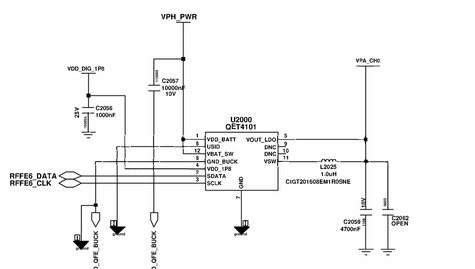
SUB ANT



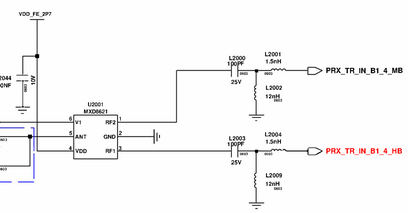
for KOR



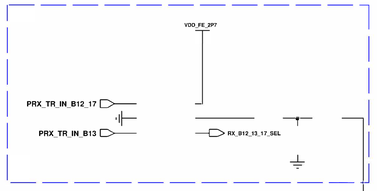
X-GND SW

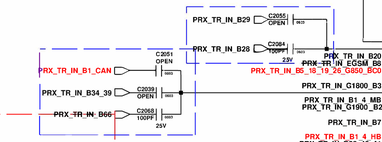


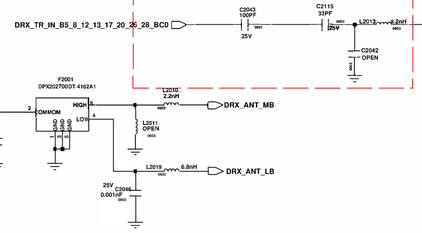
QFE4101 APT MODULATOR

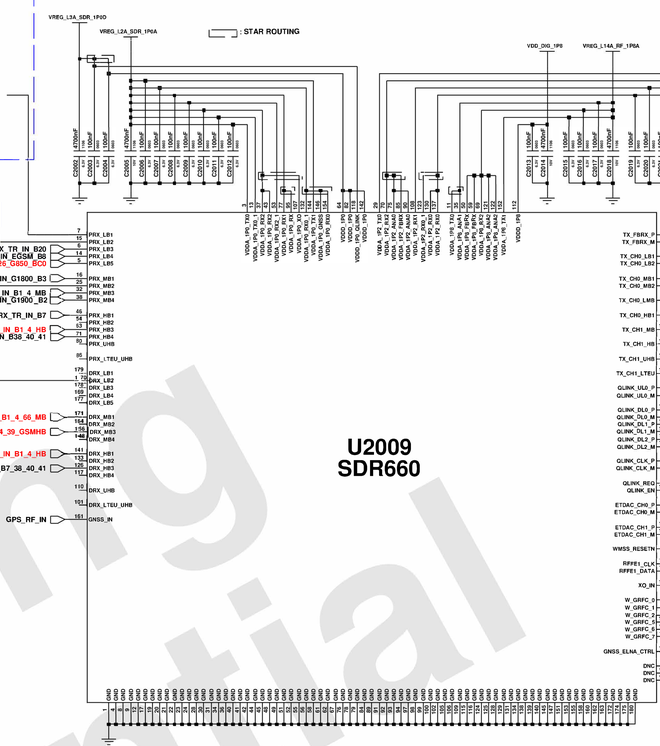


ANIBAL GARCIA VENEZUELA

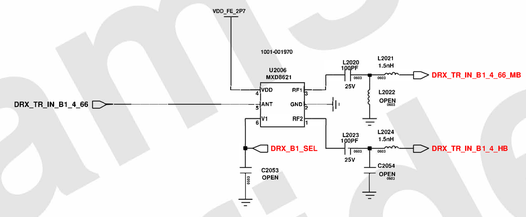


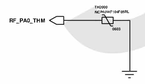






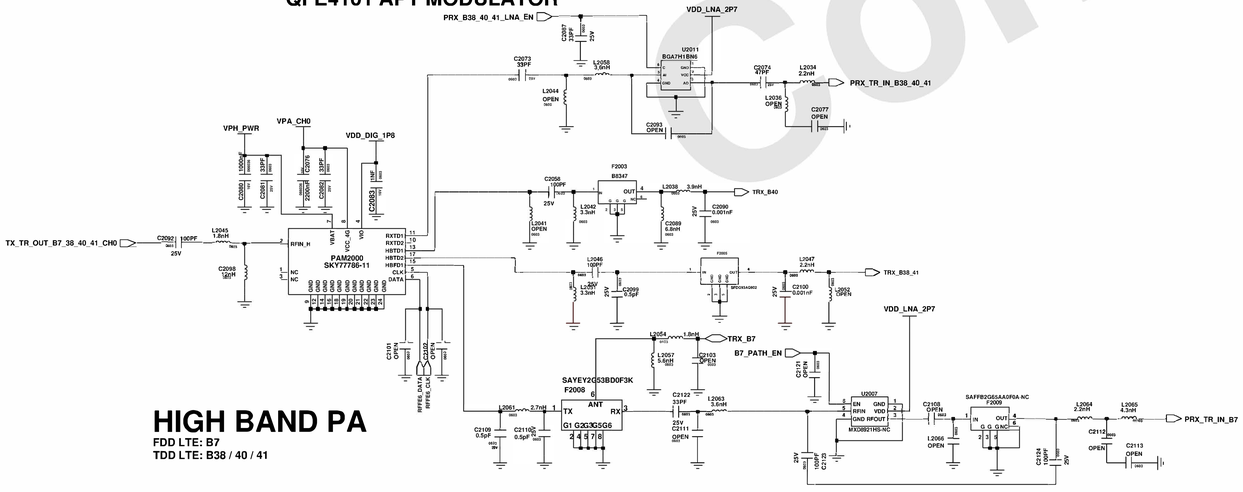
SDR660 RF TRANCEIVER





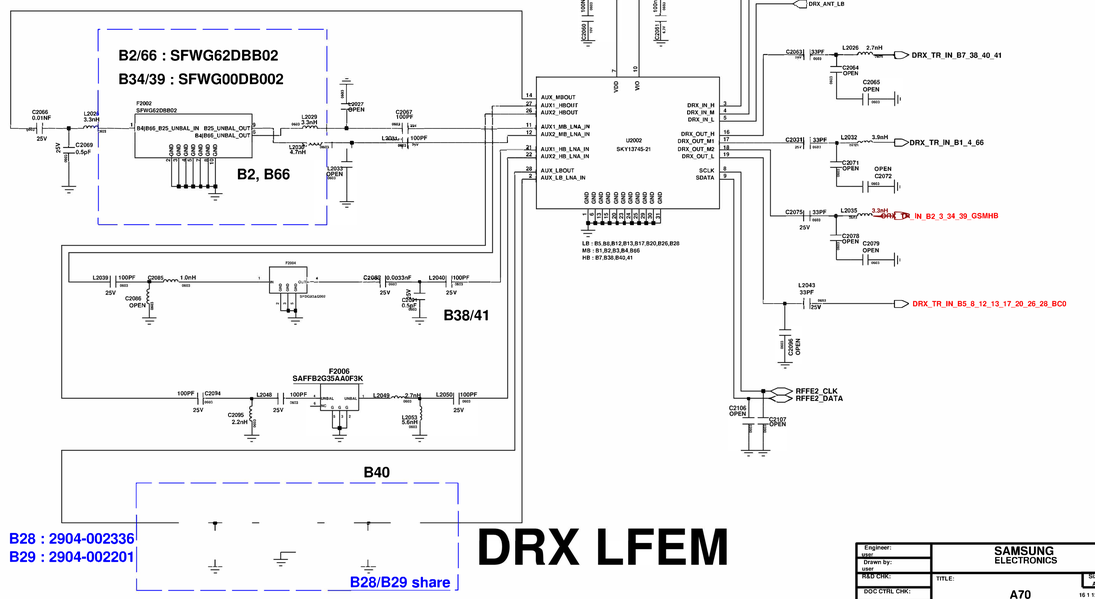
PA Thermister

QFE4101 APT MODULATOR



HIGH BAND PA

FDD LTE: B7
TDD LTE: B38 / 40 / 41



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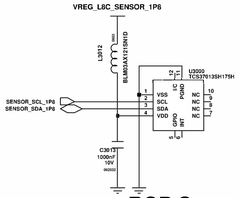
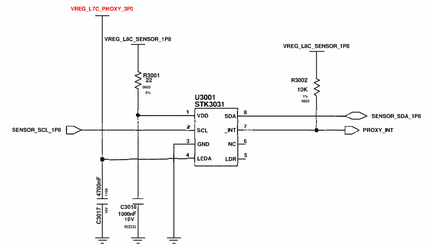
SENSOR

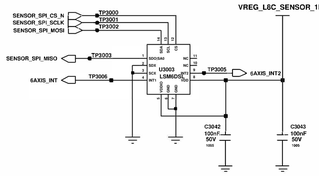
RGB Sensor



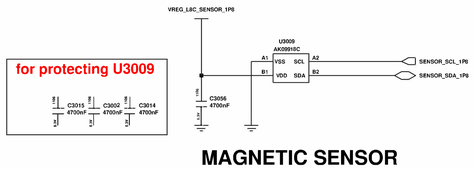
Proxy + RGB Sensor

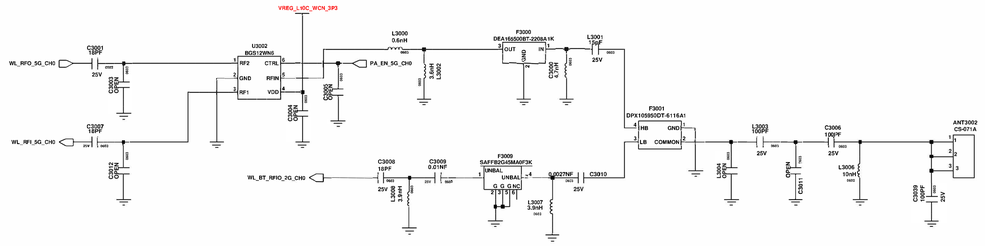


ACC&GYRO SENSOR

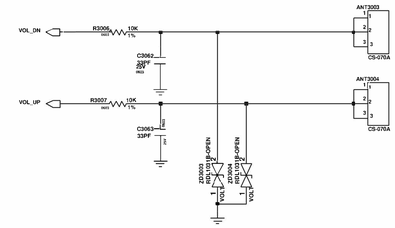


MAGNETIC SENSOR

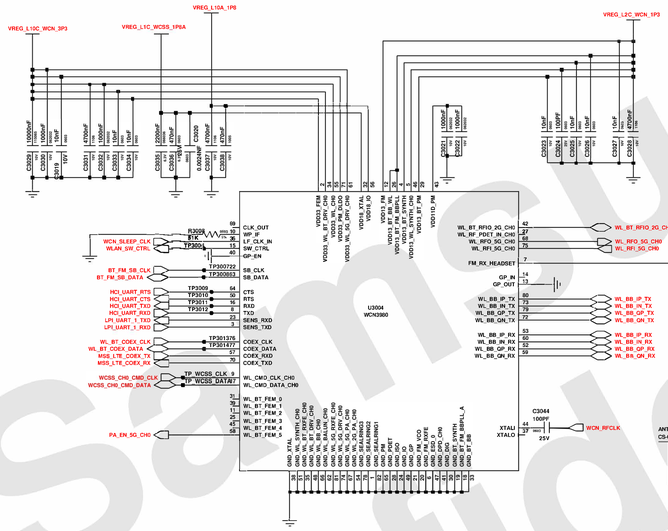




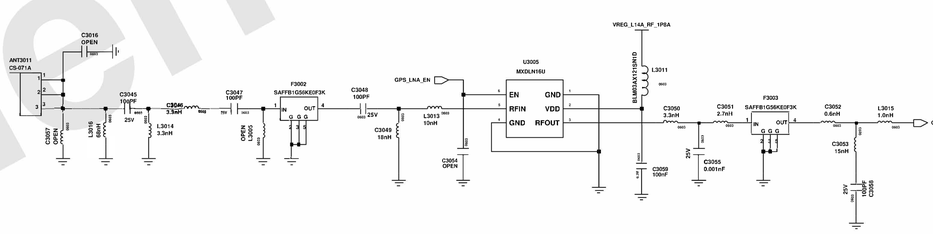
ANIBAL GARCIA VENEZUELA



Volume key



WIFI/BT/FM



GPS / GNSS/BEIDOU

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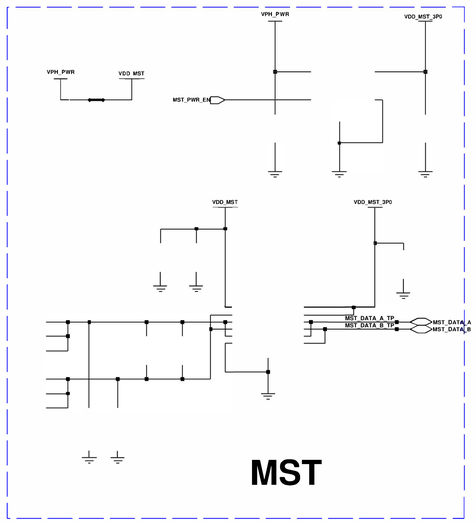
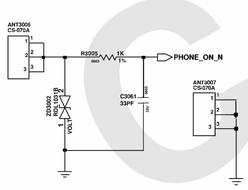


MST



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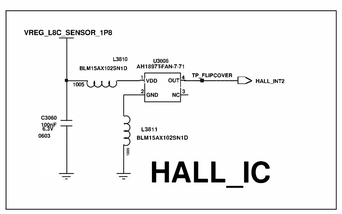

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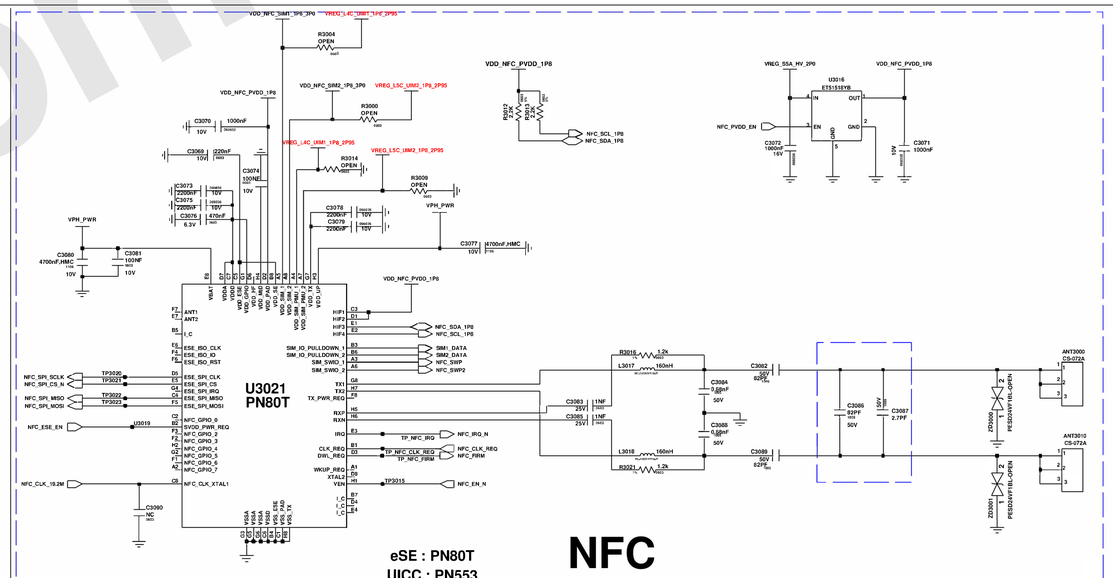

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QA CHK:	REV	Drawing Number: Page: 4

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ANIBAL GARCIA VENEZUELA

UCP400-1 SM6150

UCP400-2 SM6150

PCB JTAG

JTAG CONNECTOR

PLACE NEAR AP HOT-SPOT

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Engineer:	user64	SAMSUNG ELECTRONICS	
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ANIBAL GARCIA VENEZUELA

U5003
PM6150A

U5004
PM6150

PM6150 REMOVED

HICCUP SWITCH

F/G THEM

BATTERY CON

PCB H/W Revision

AMUX_1	
BringUp	4.7K
REV00	12K
REV01	20K
REV02	30K
not used	39K
REV02A	51K
REV03	68K
REV04	82K
REV05	100K
REV06	120K
REV07	150K
REV08	200K

2007-0009717	standard	
2007-0007589	HHP0720	
2007-0007590	HHP0721	
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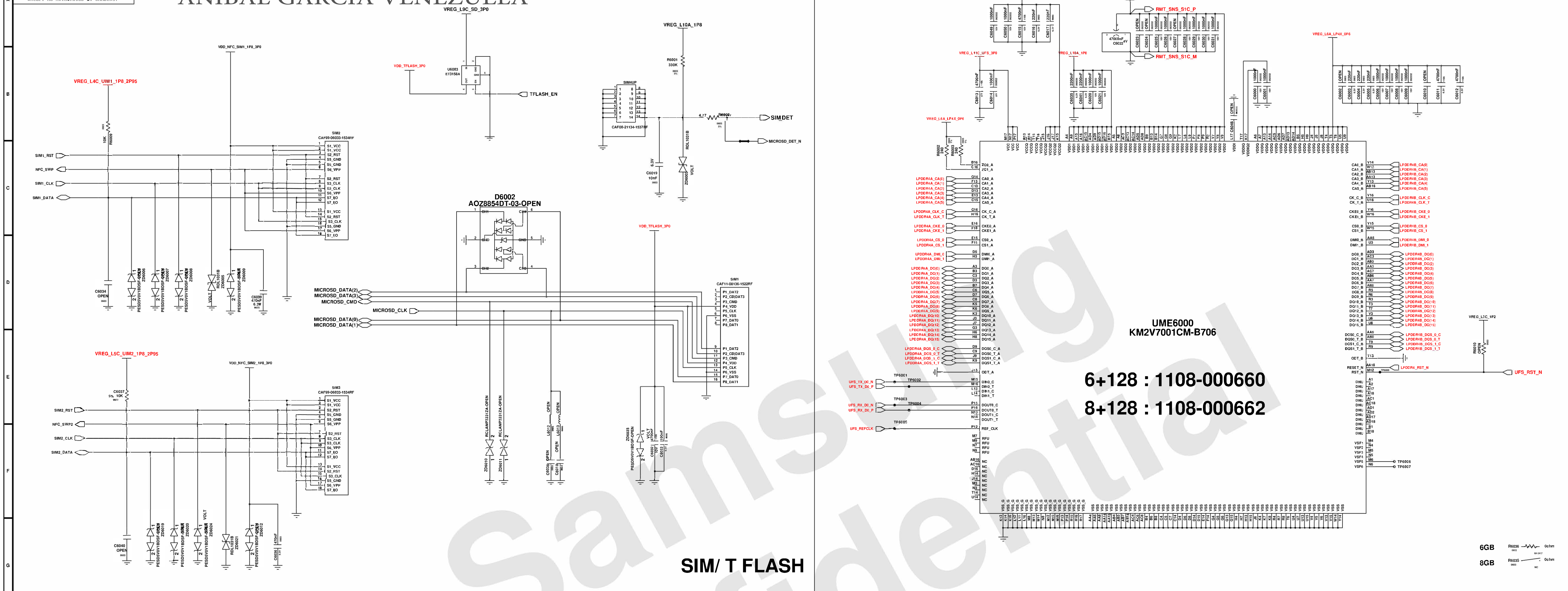
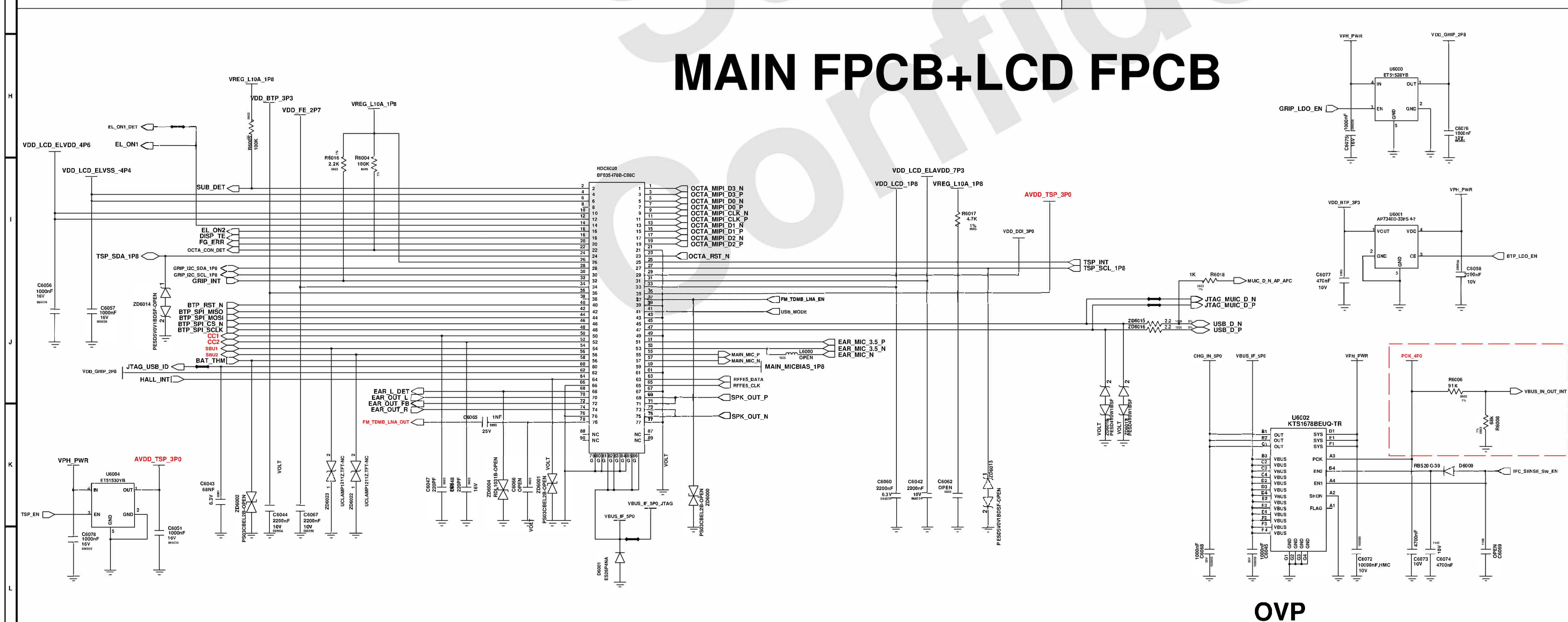
ANIBAL GARCIA VENEZUELA





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		R6032	R6000	R6033	R6011	R6013
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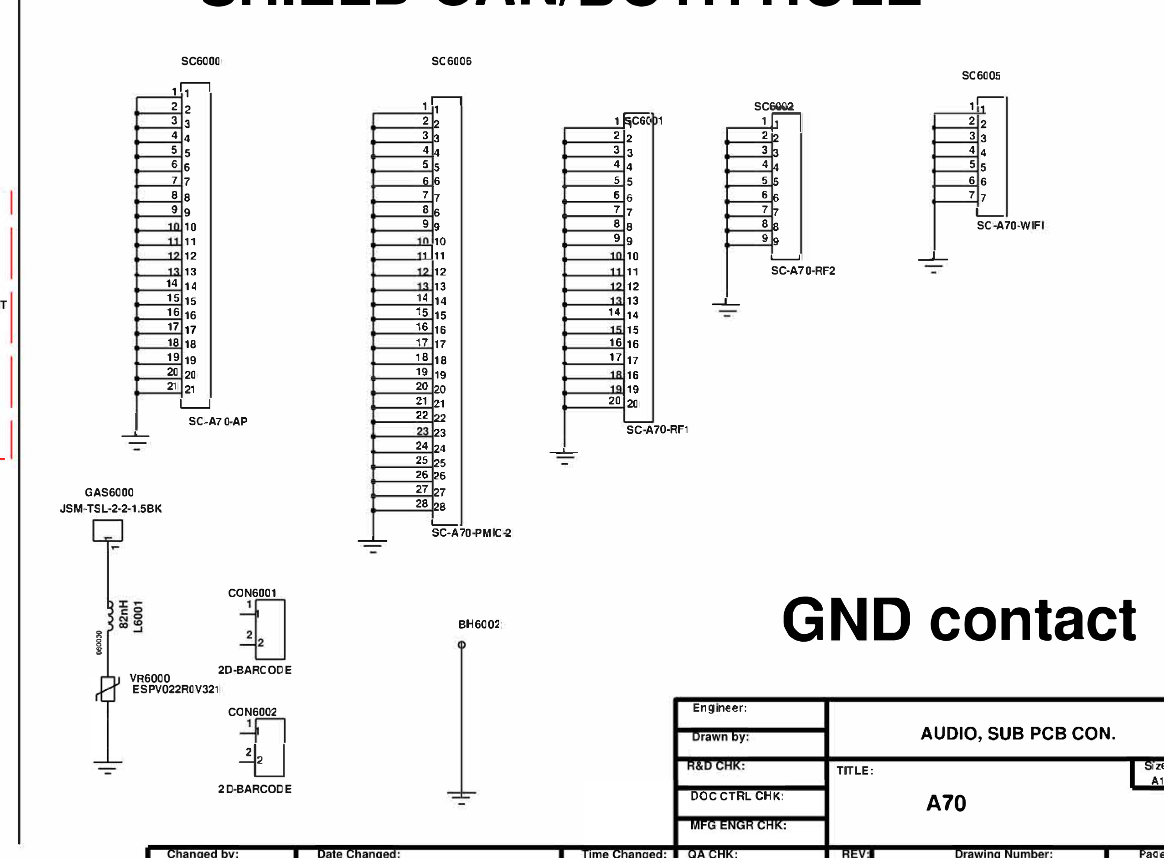
CIS	SM-A705FN	Solder			Solder	Solder
SWA	SM-A705GM		Solder	Solder		
SEA	SM-A705F	Solder				
SEA	SM-A705MN			Solder	Solder	
LA	SM-A705MN			Solder	Solder	
Taiwan/HK	SM-A7050					Solder
Korea	SM-A705N				Solder	
China	SM-A7050					Solder
Canada	SM-A705W	Solder	Solder	Solder	Solder	Solder

SHIELD CAN/BOTH HOLE



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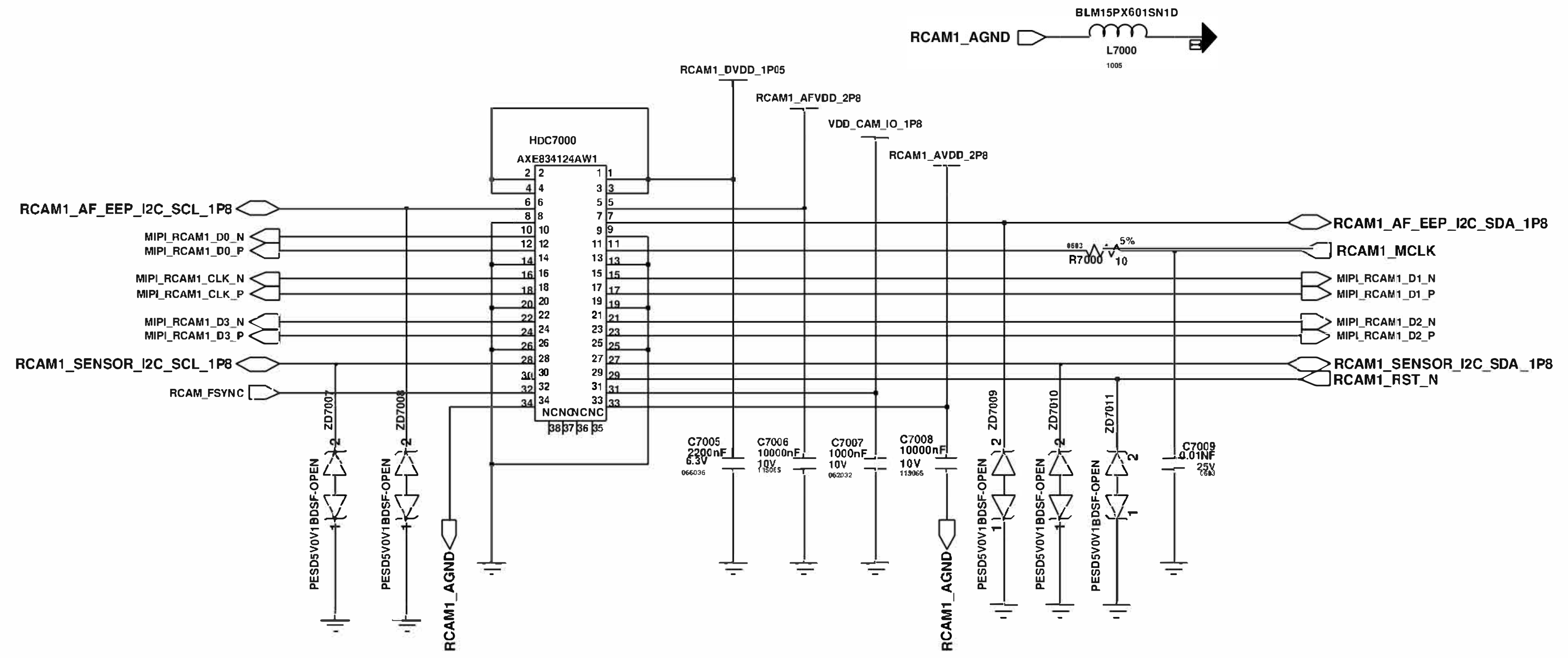
CAMERA



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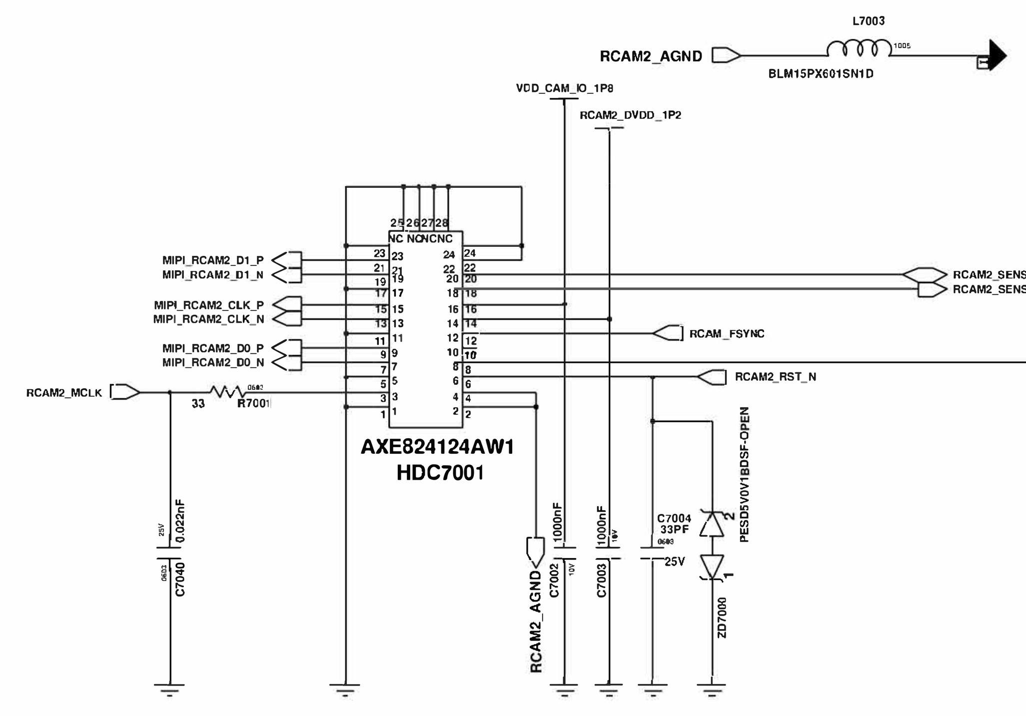

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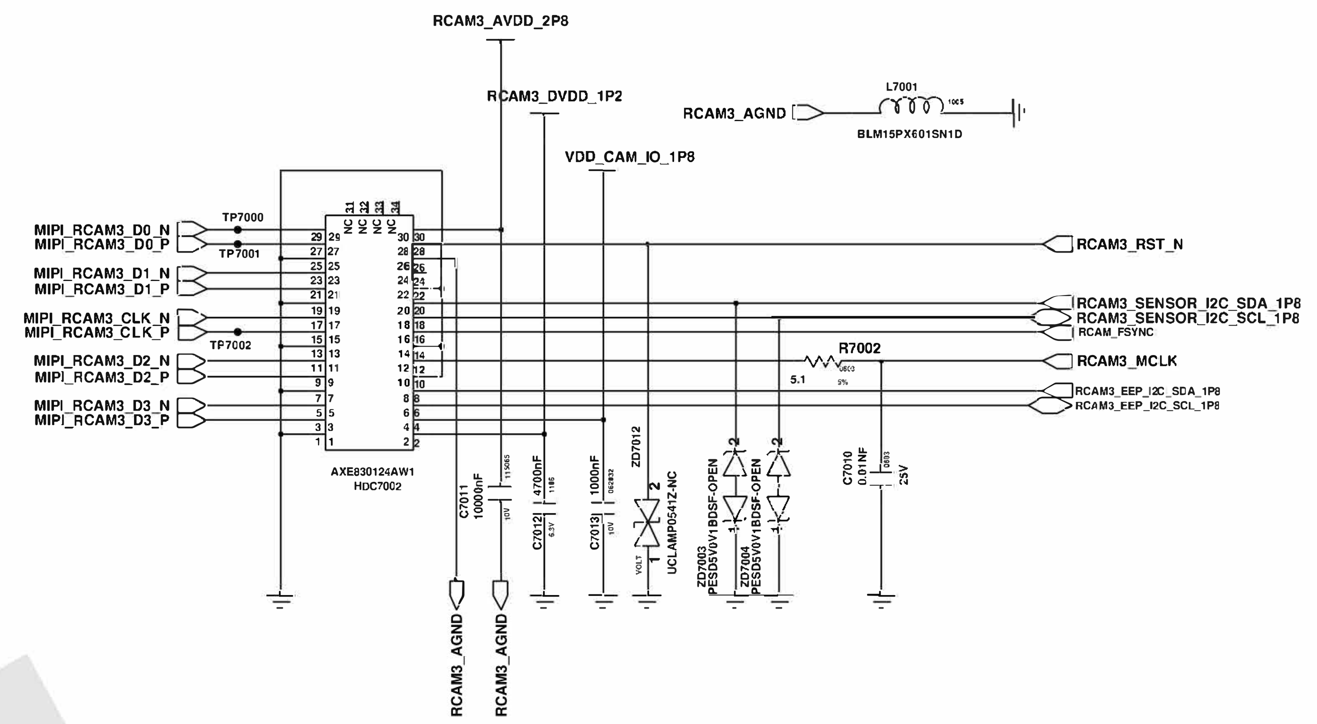

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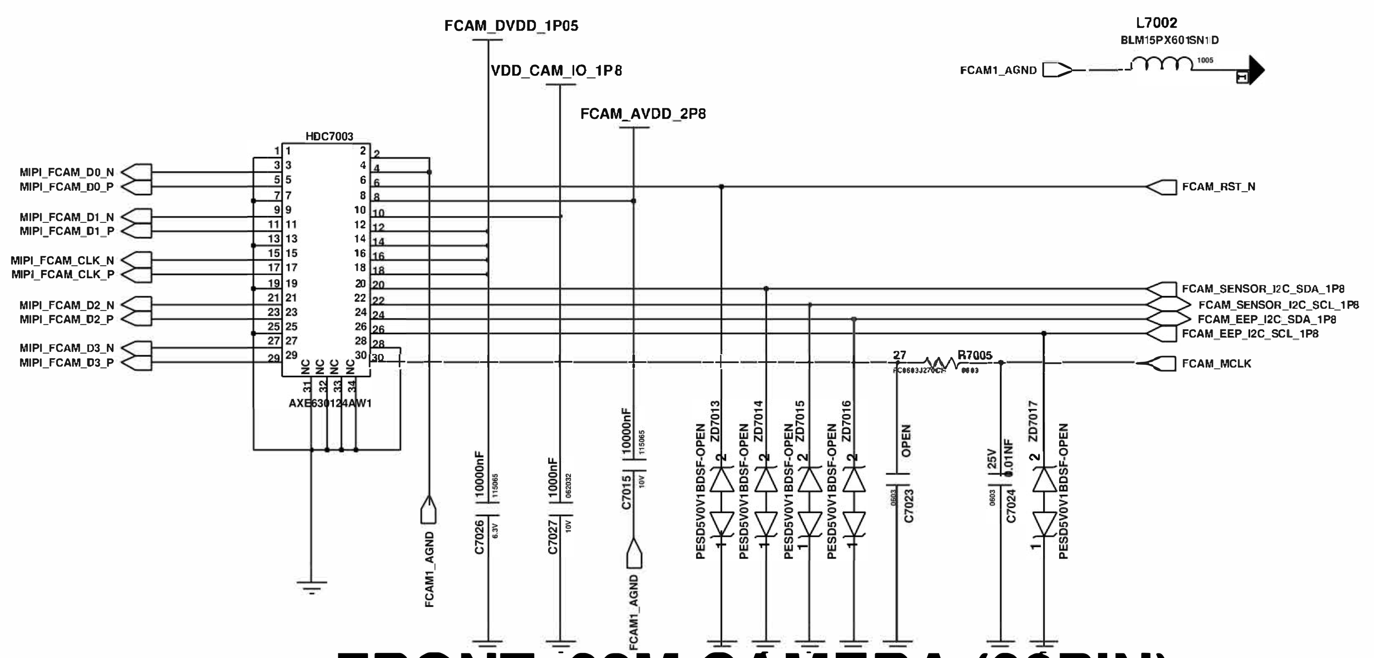

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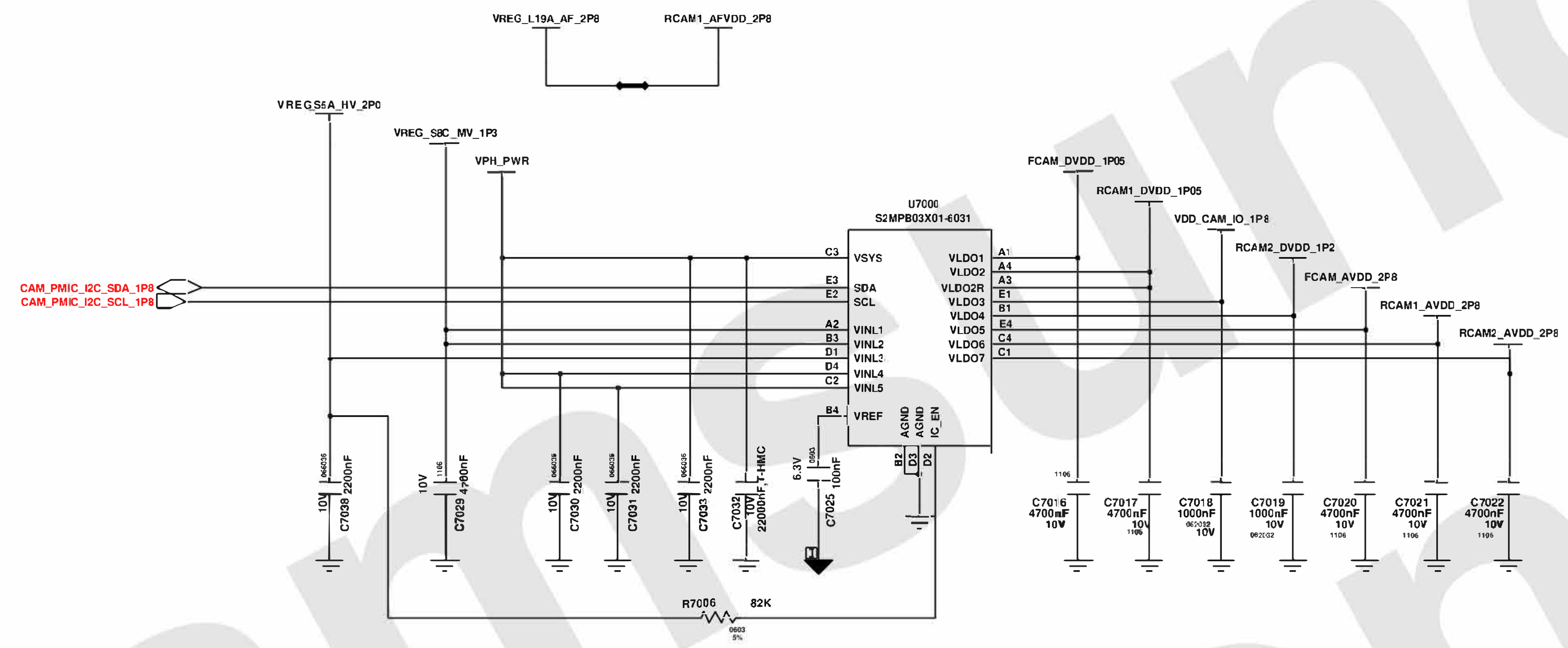

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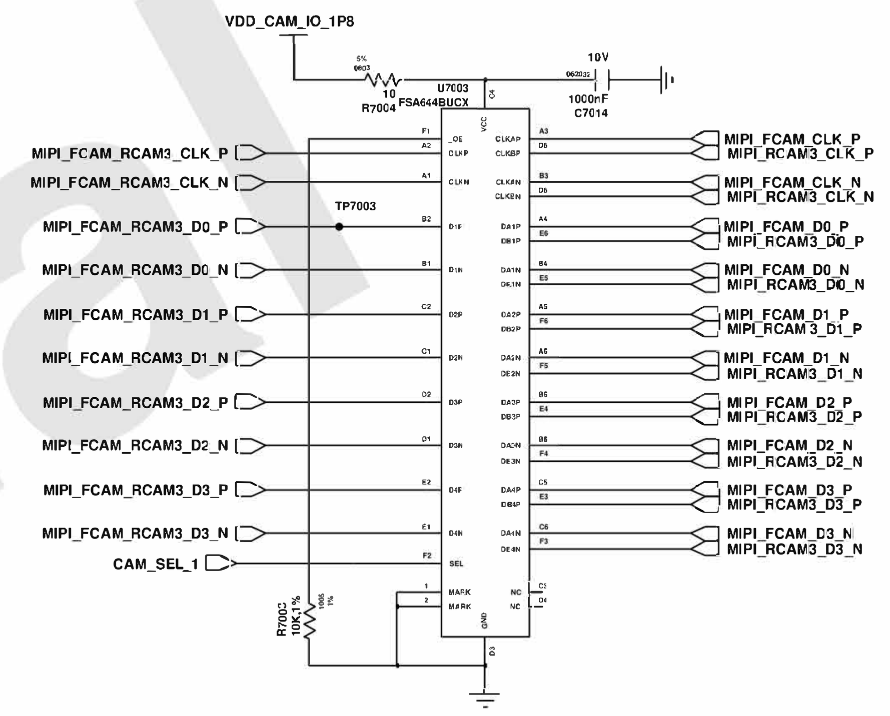
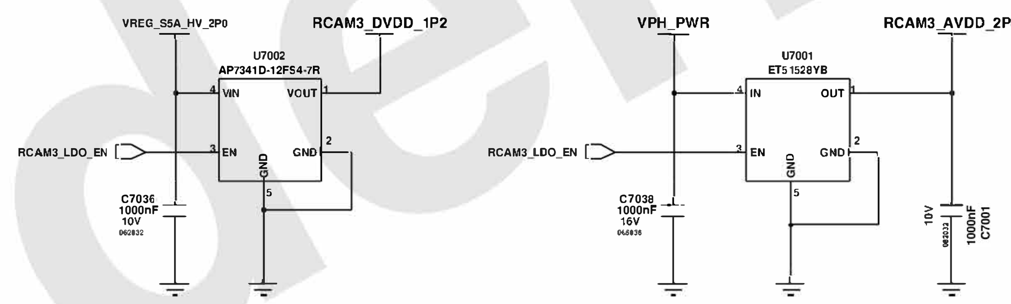


MIPI SWITCH (FCAM,RCAM3)

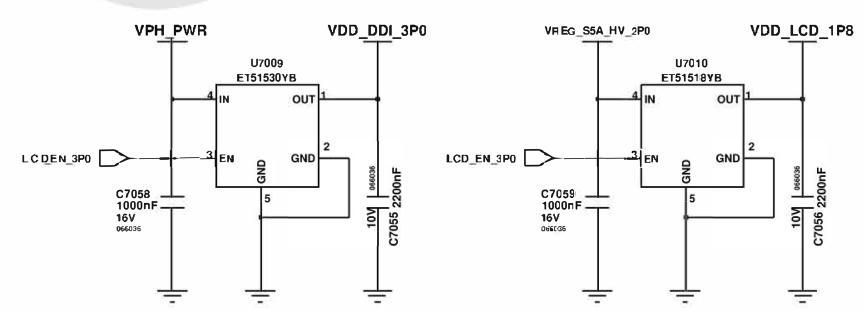


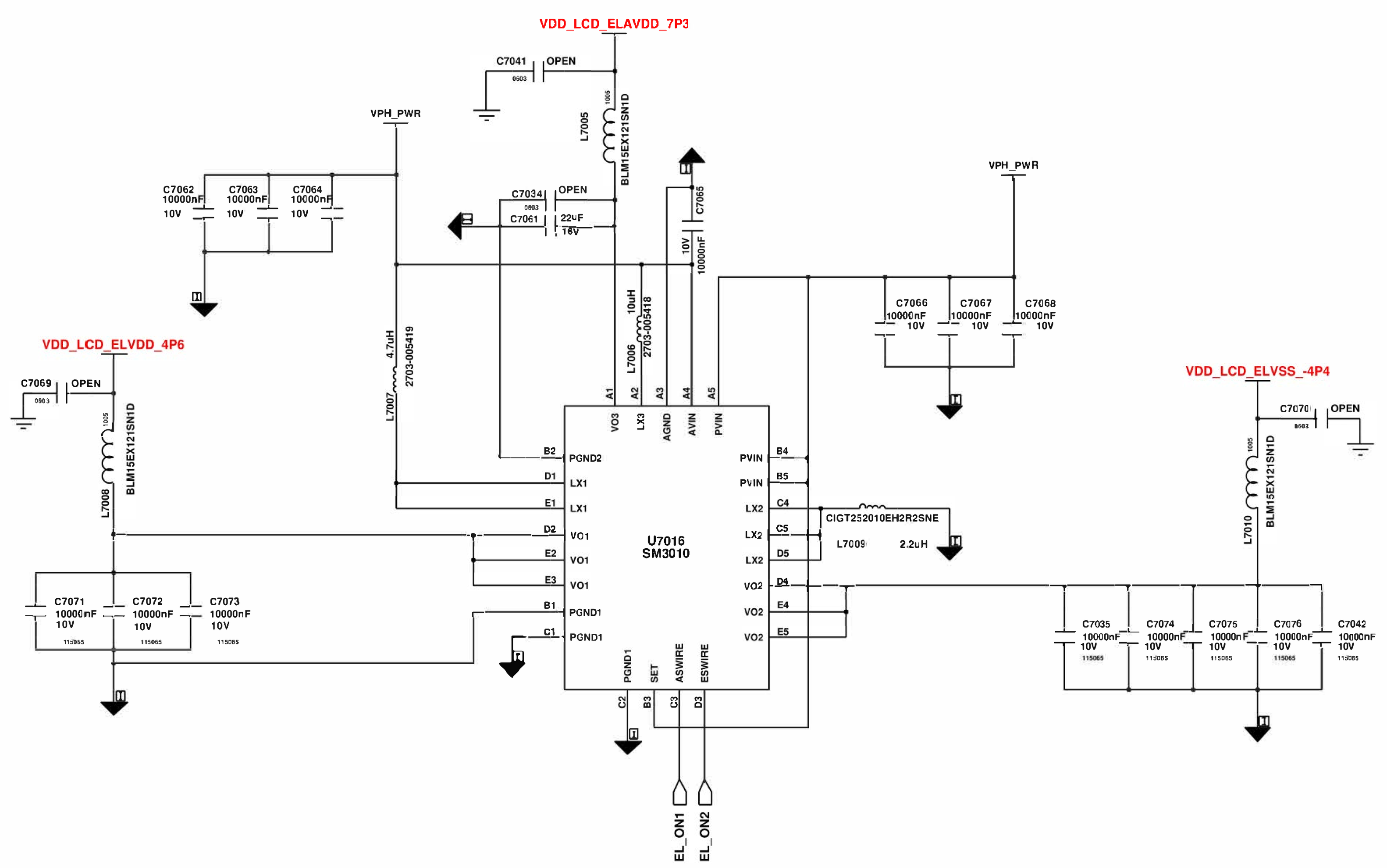
RCAM3 LDO

DISPLAY

ANIBAL GARCIA VENEZUELA

DISPLAY PM IC





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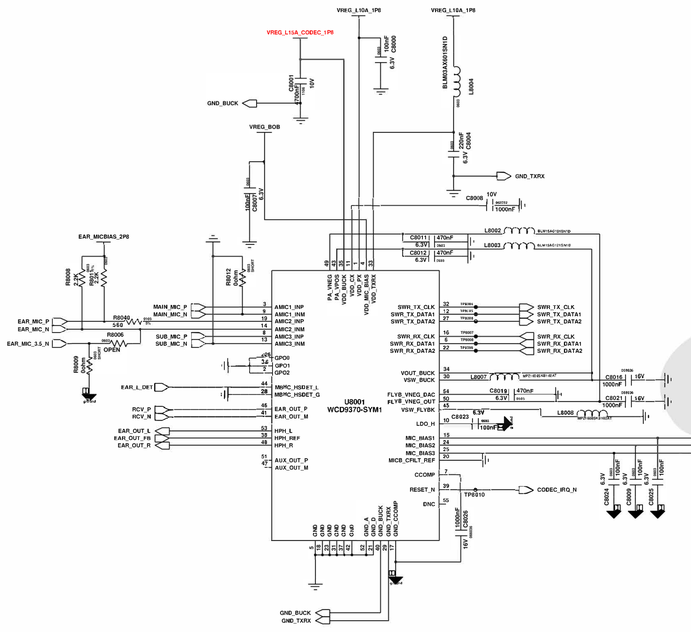
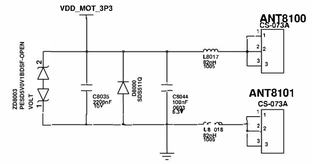
AUDIO

ANIBAL GARCIA VENEZUELA





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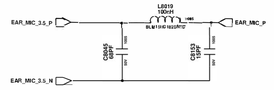

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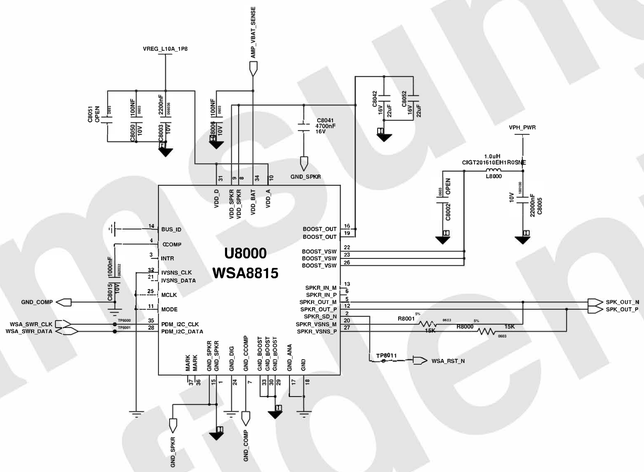

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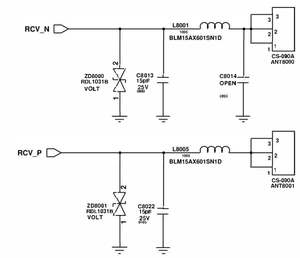

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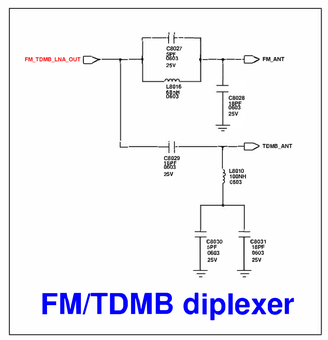

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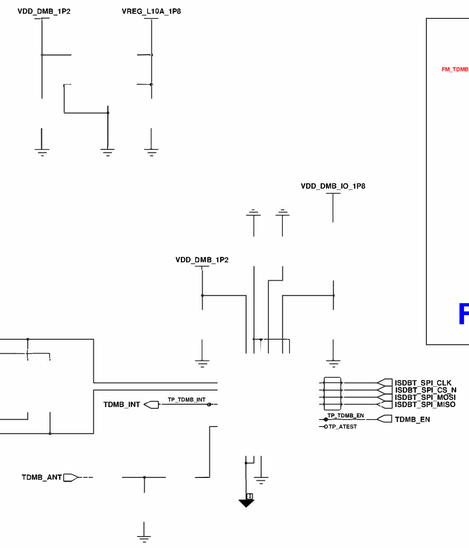

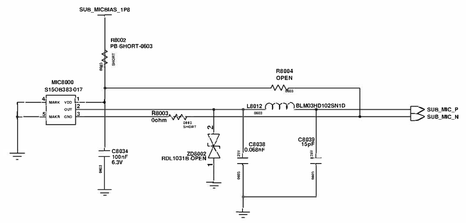

SUB MIC

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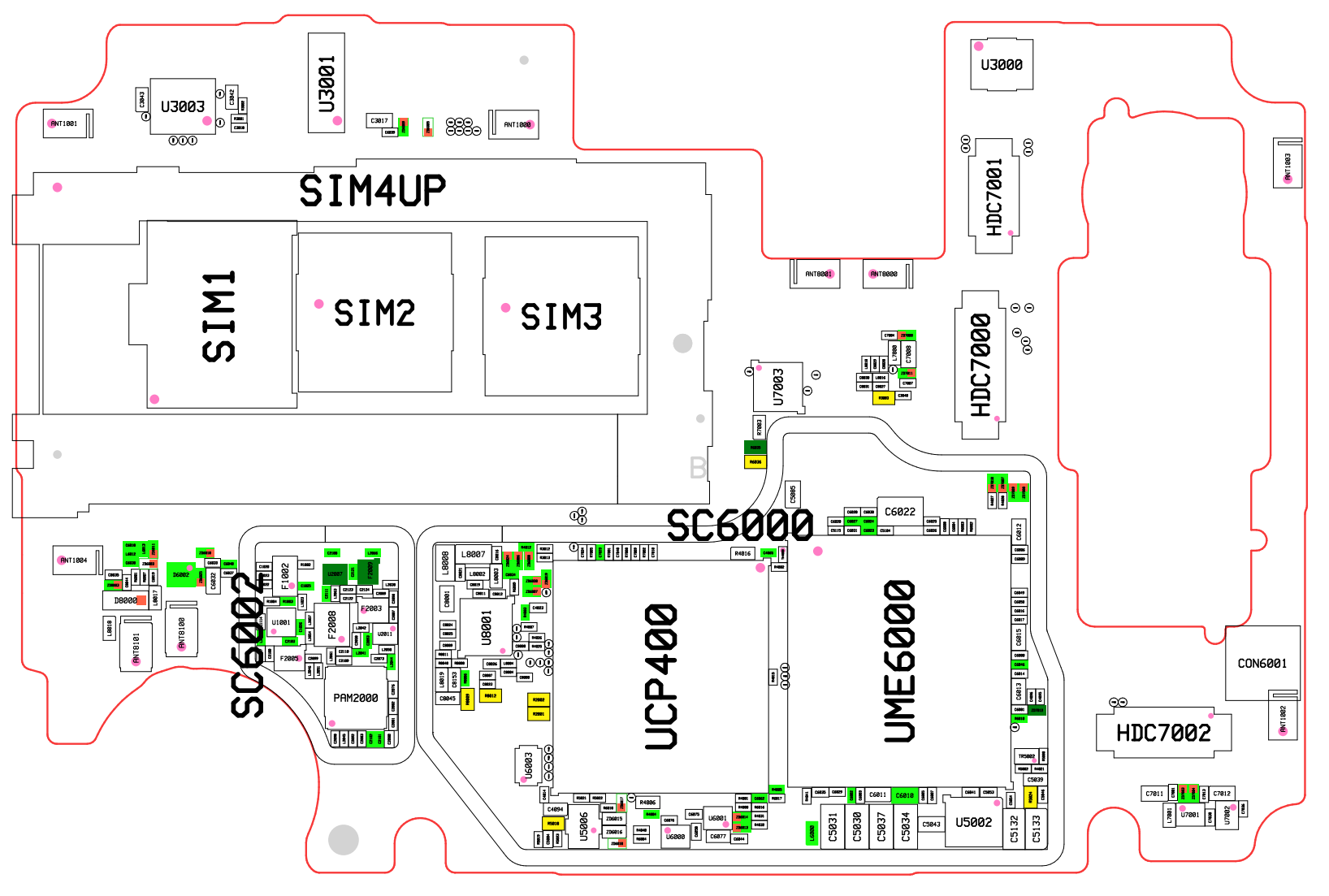
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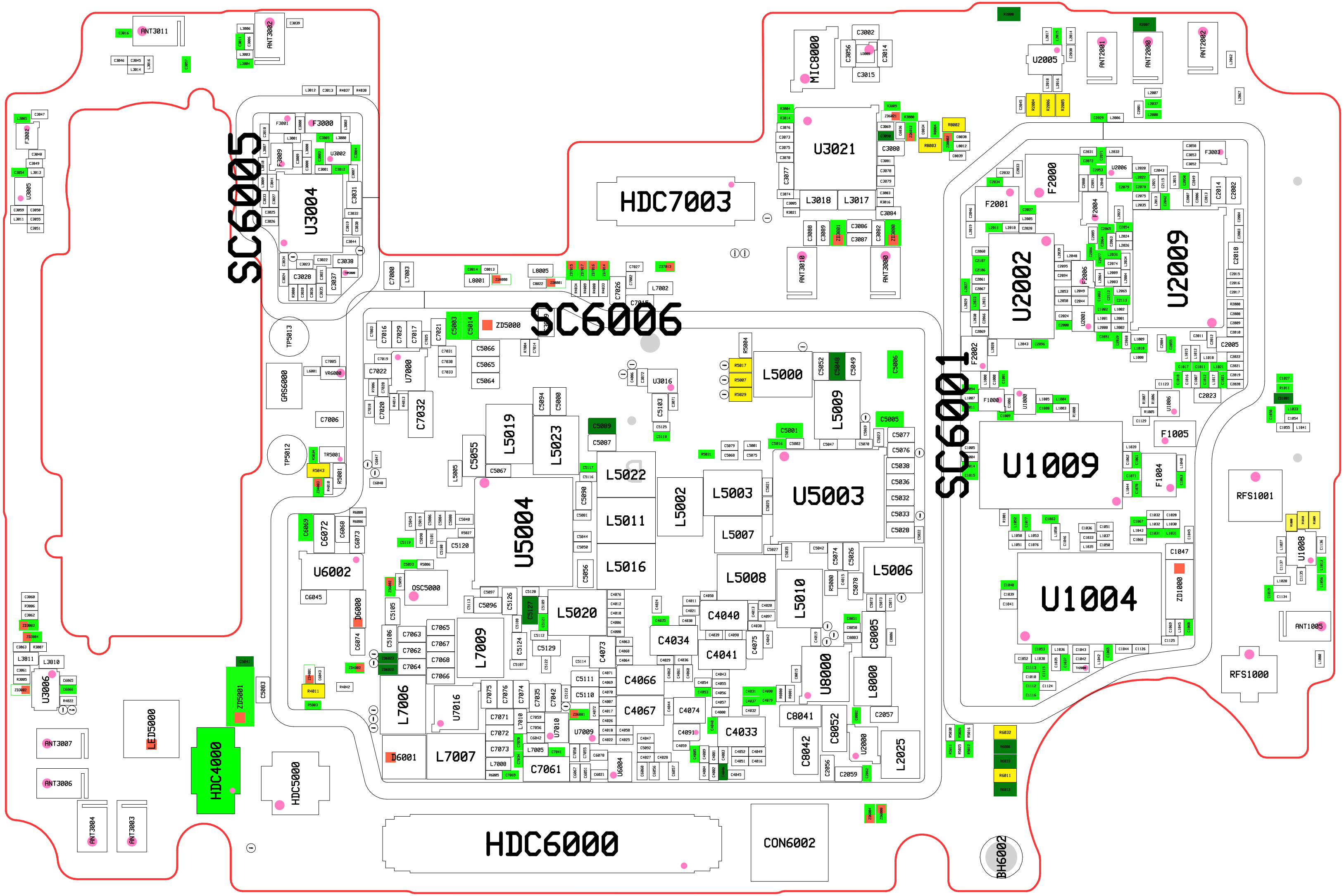
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