

SAMSUNG SM-A105F Schematic Diagram



Schematic Diagram



SM-A105F REV01

Mobile1Tech.com

2019.01.29

sheet01 : MAIN RF

sheet02 : TRANCEIVER, DRX, APT

sheet03 : GPS, BT/WIFI, FM

sheet03 : AP

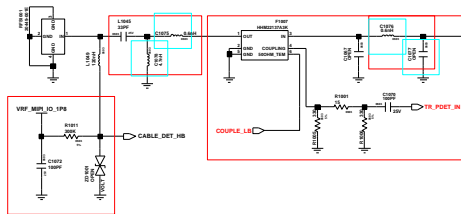
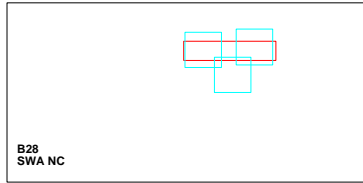
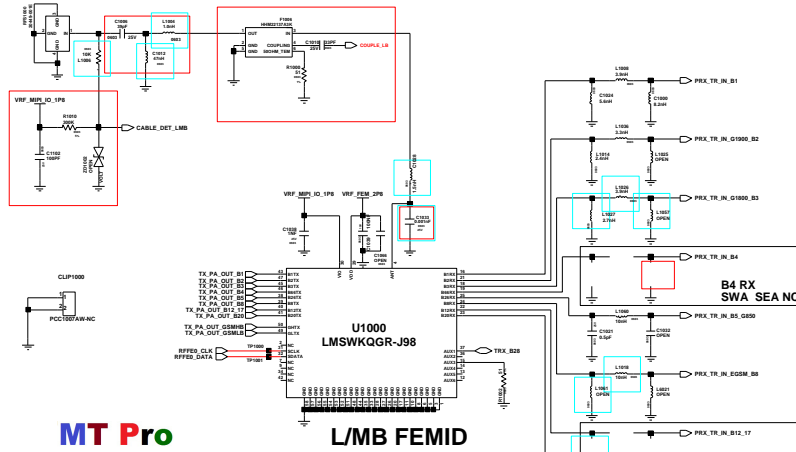
sheet05 : PMIC(Main,IF), eMMC, IF Conn, KEY, MOTOR

sheet06 : Audio, SD/SIM

sheet07 : CAMERA, DISPLAY, SHEILD CAN,SENSOR

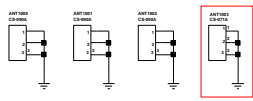
Author	
Checker	
Editor	
Doc. Ctrl. Ctr.	
Reviewer	
Drawn	
Checked	
Approved	

RF MAIN

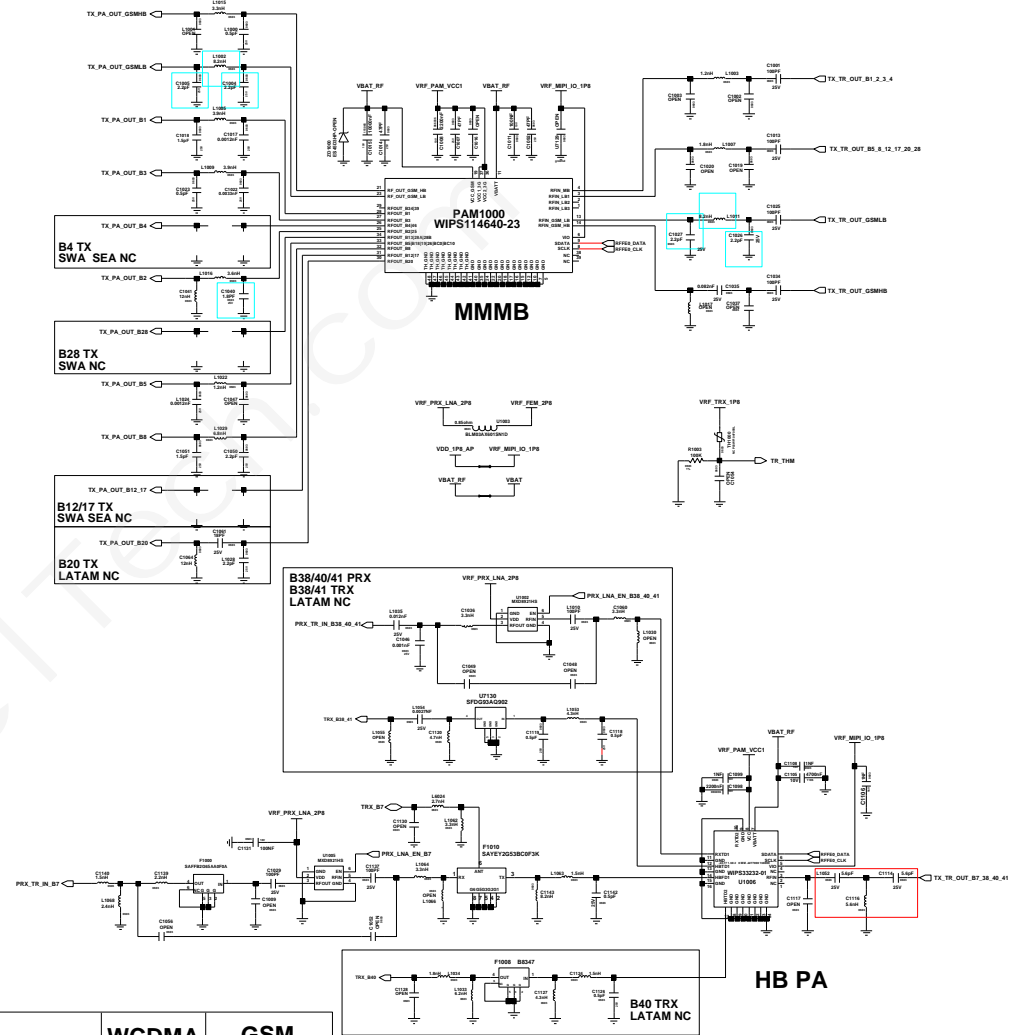


HB SWITCH

GND CONTACT to BRACKET



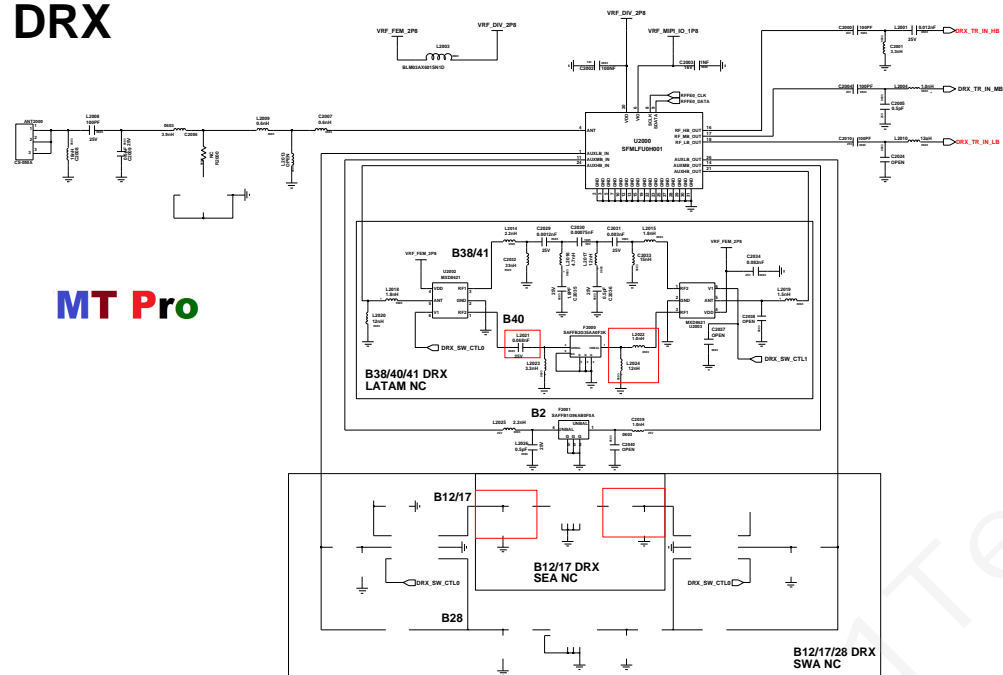
	LTE	WCDMA	GSM
SWA / CIS / MENA / AFR	B1/2/3/5/7/8/20/38/40/41	B1/2/5/8	QUAD
SEA	B1/3/5/7/8/20/28/38/40/41	B1/2/5/8	QUAD
LATAM	B1/2/3/4/5/7/8/12/17/28	B1/2/4/5/8	QUAD
KOR	B1/3/4/5/7/8/17/20/28/38/40/41	B1/2/4/5	QUAD



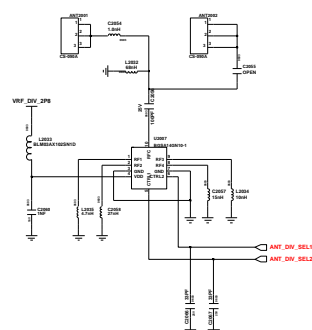
HB PA

Engineer	MAIN RF
Check	SM-A105F
Rev	
Rev	
Rev	

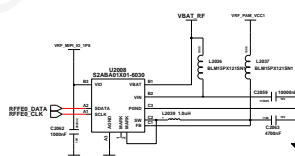
MT Pro



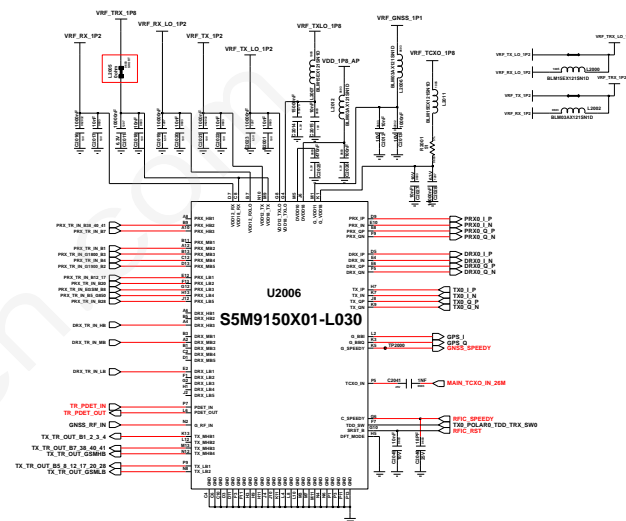
DRX GND SWITCH



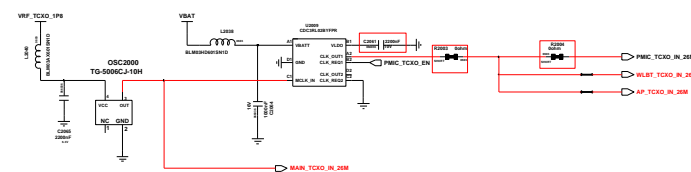
APT MODULATOR



TRANSCEIVER nCA

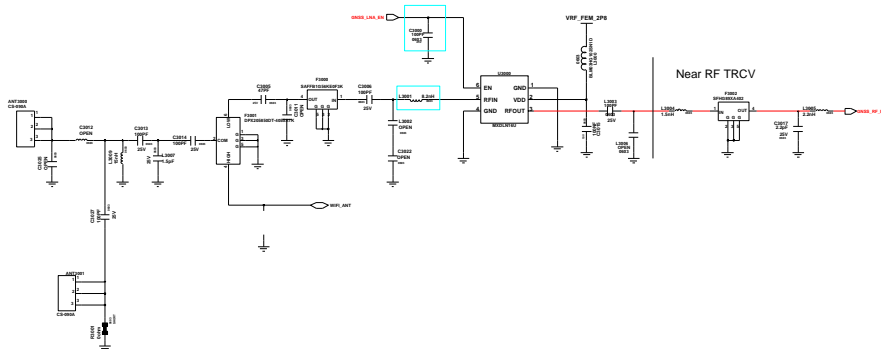


TCXO



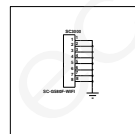
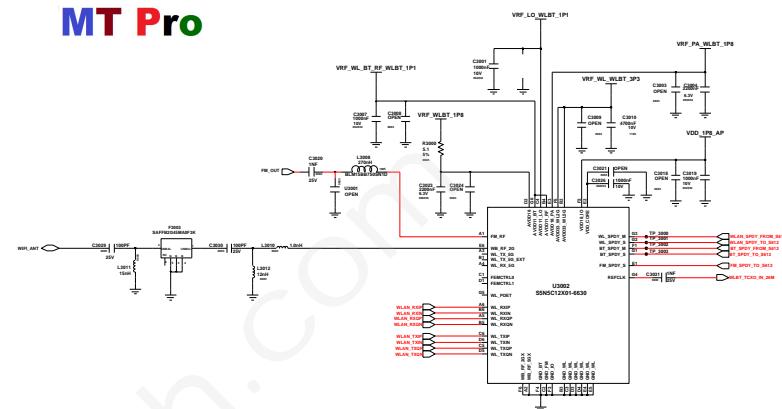
Engineer	DRX, TRANCEIVER	
Drawn by:		
RAD CTRL:	TITLE:	
DOC CTRL CHR:	SM-A105F	
WFO ENGR CHR:		
QA CHR:	Revision Number:	001

GNSS



BT/WIFI

MT Pro

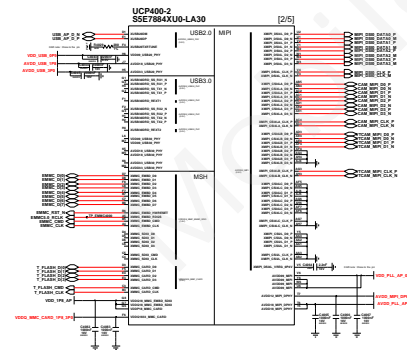
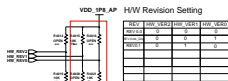
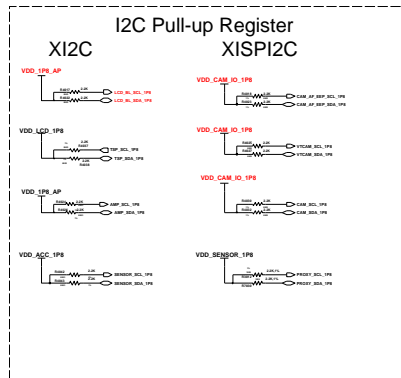
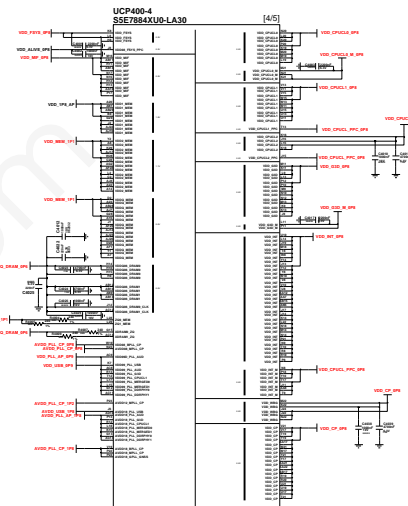
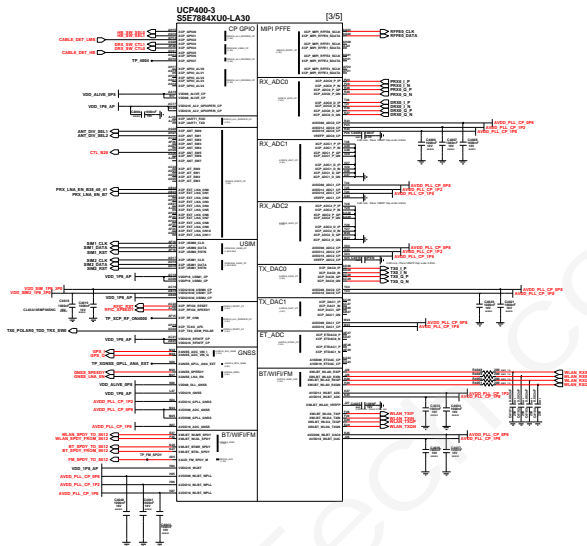
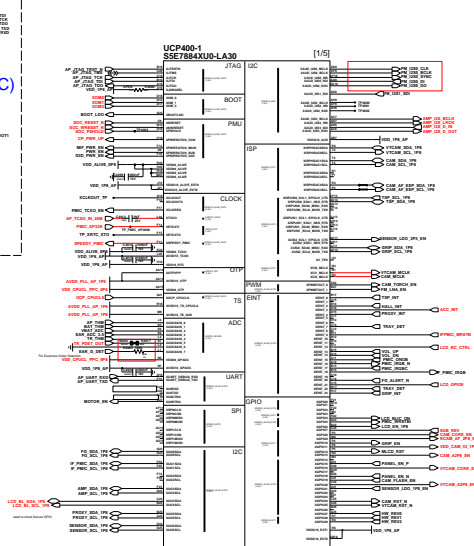
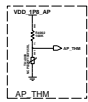
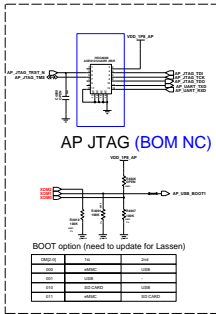


Engineer:	WIFI/BT/GPS		
Drawn by:			
REV CDR:			
DOC CDR CDR:			
MFG ENGR CDR:			
TITLE:	SM-A105F		
Category:	UX CDR:	REV:	Drawing Number:

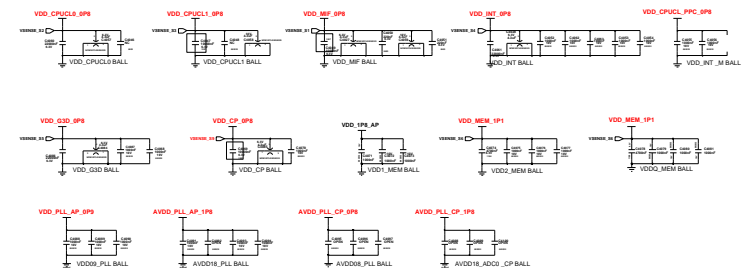
STANDARD CONFIDENTIAL

Lassen P +

POP LP4 2G : SEC 1105-002944
POP LP4 3G : SEC 1105-002962



AP Decap

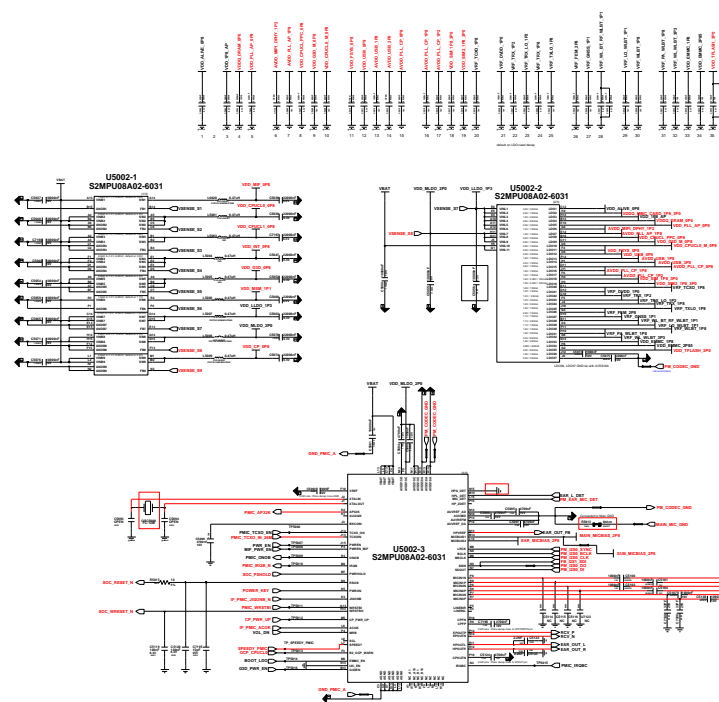


MT Pro

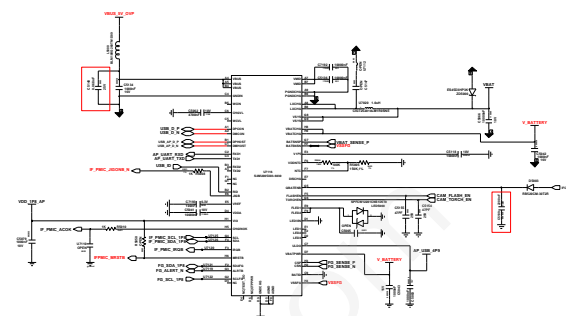
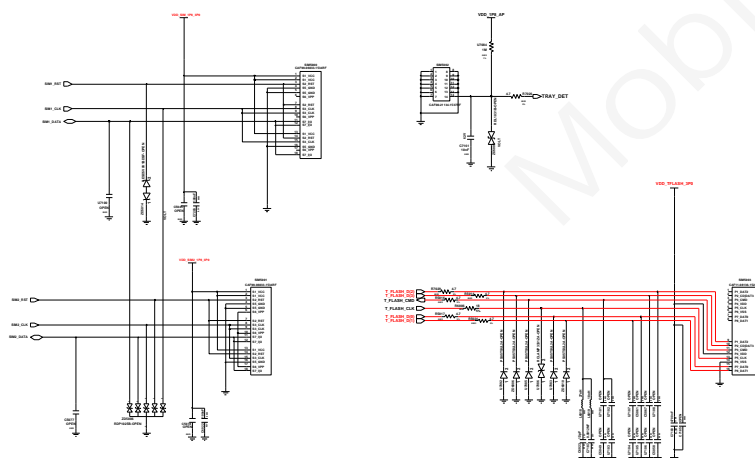
AP
SM-A105F

POWER

PMIC



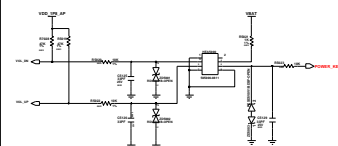
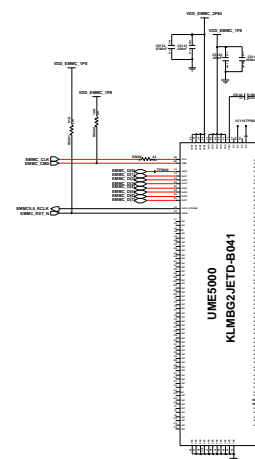
SIM & SD CARD (3IN3)



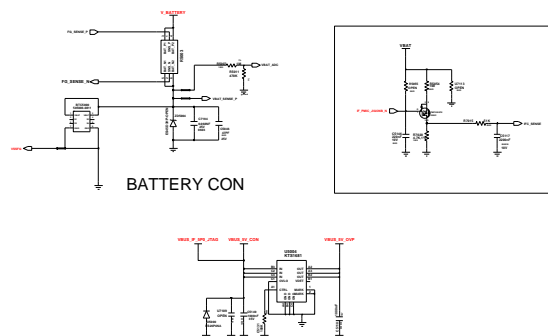
IF PMIC EVT4(CHG+FG+BUCK)



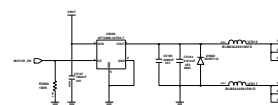
16G : SEC (1107-002548)
32G : SEC (1107-002552)



VOLUME KEY POWER KEY



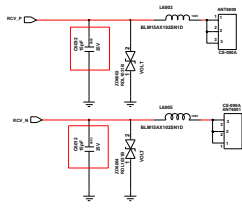
BATTERY CON



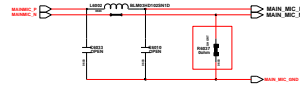
MOTOR

user swcad71 10.252.50.122 20190222-135052
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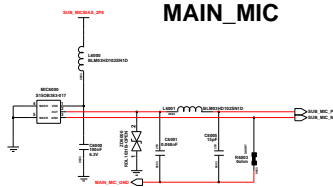
AUDIO



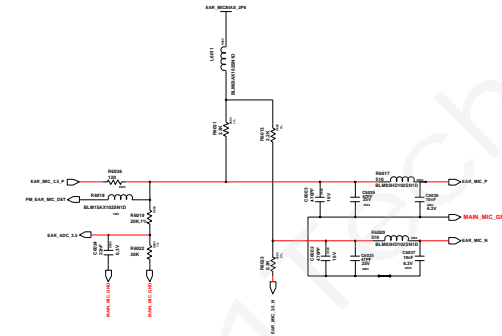
RCV Contact



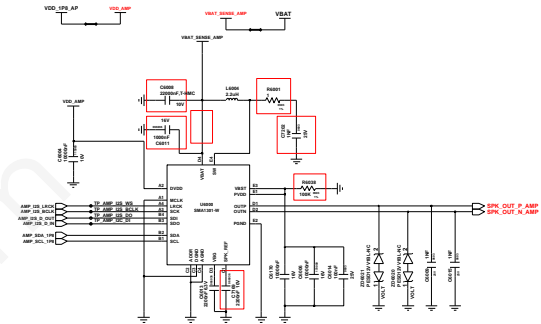
MAIN_MIC



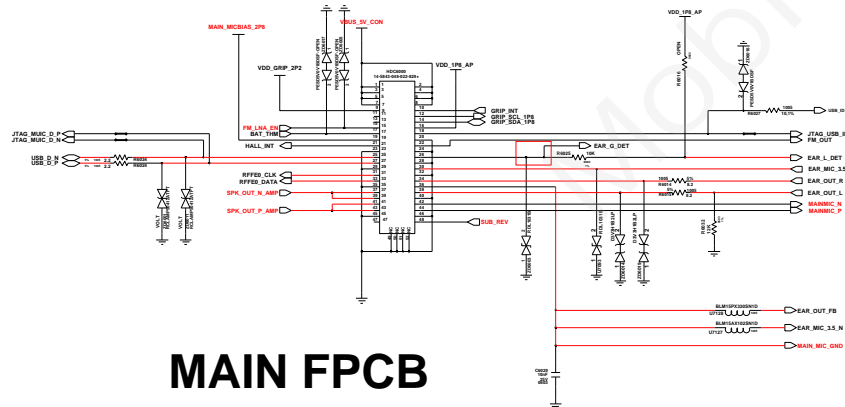
Sub MIC



EAR_MIC



Audio amp
MT Pro



MAIN FPCB

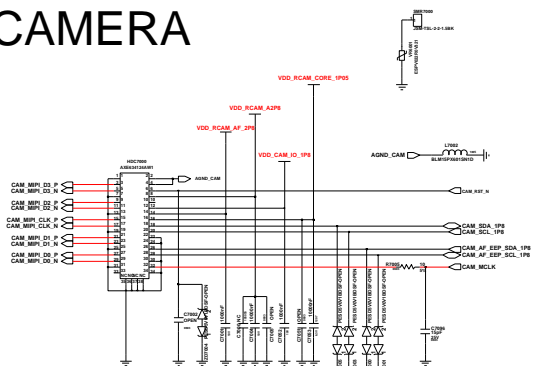


Grip Sensor_LDO

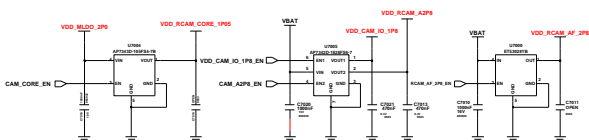
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File Path	Audio		
File Size	1.0		
File Date	2022-135053		

CAMERA

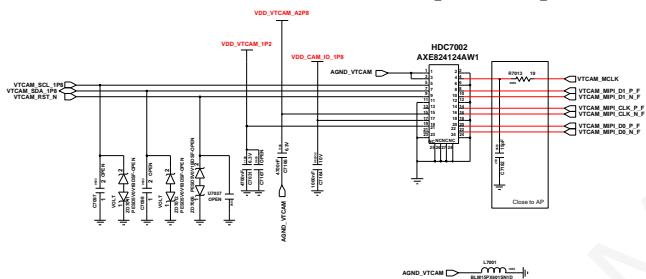
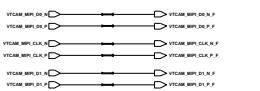
CAM DECO GASKET



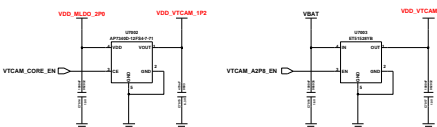
MAIN_CAMERA (13M) : SM-M205F



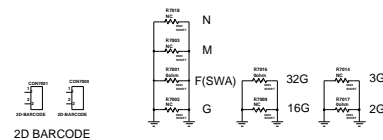
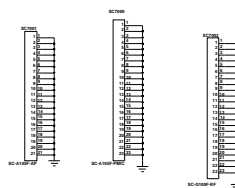
MT Pro



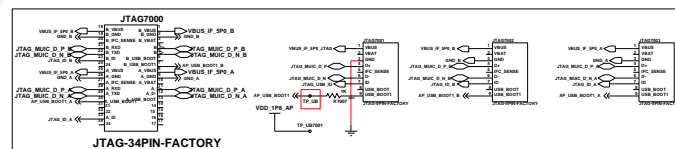
FRONT_CAMERA (5M) : SM-M105F



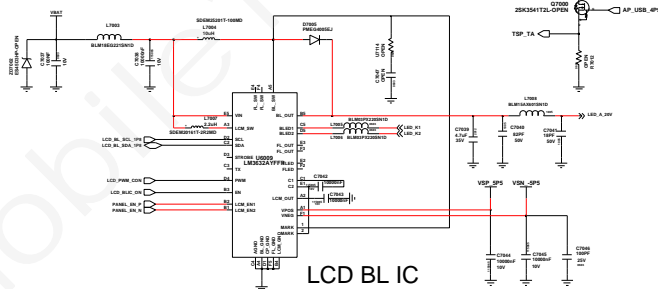
SHIELD CAN



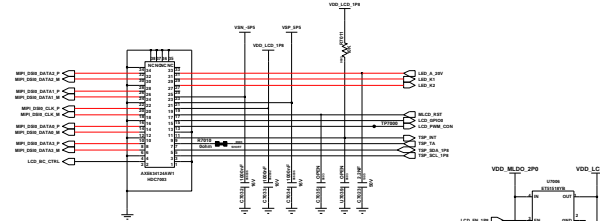
PCB JTAG



DISPLAY (6.22" INCELL LCD)

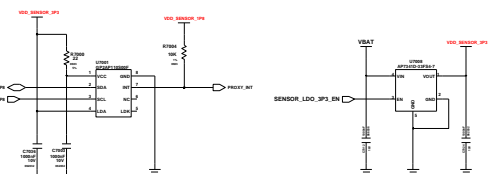


LCD BL IC

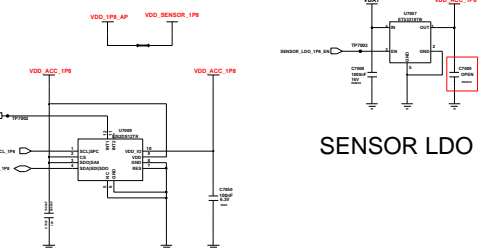


6.22" INCELL TFT LCD

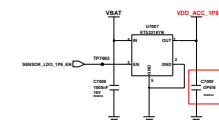
SENSOR



Proxy Sensor



Accel Sensor



SENSOR LDO

Engineer:	CAMERA, DISPLAY, SENSOR		
Drawn by:			
READ CODE:	TITLE:		
DOC CTRL CODE:	SM-A105F		
MFG MTRK CODE:			
QA CODE:	REV:	Drawing Number:	Page: