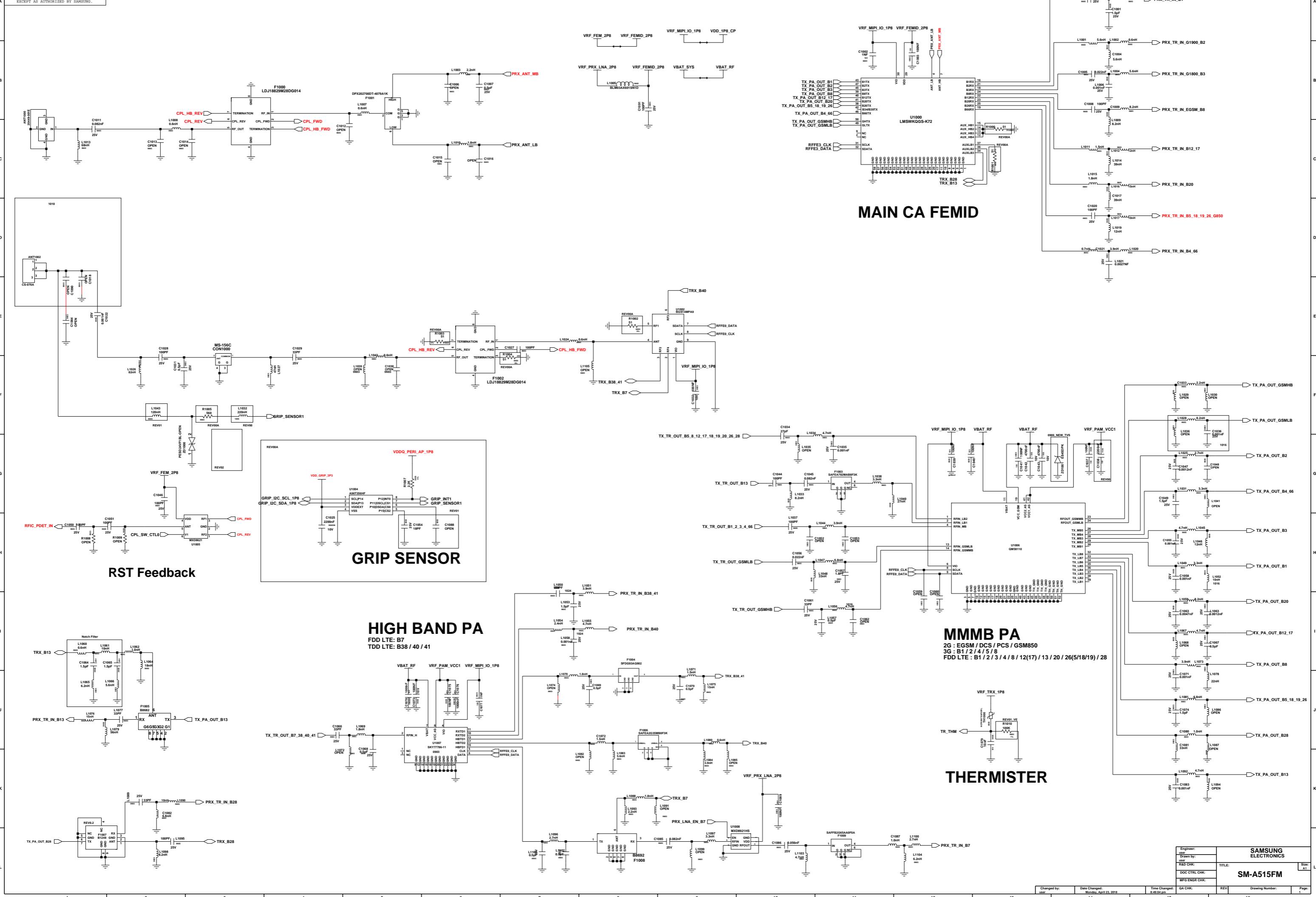


# **SM-A515FM\_****REV0.3D**

2019.10.29

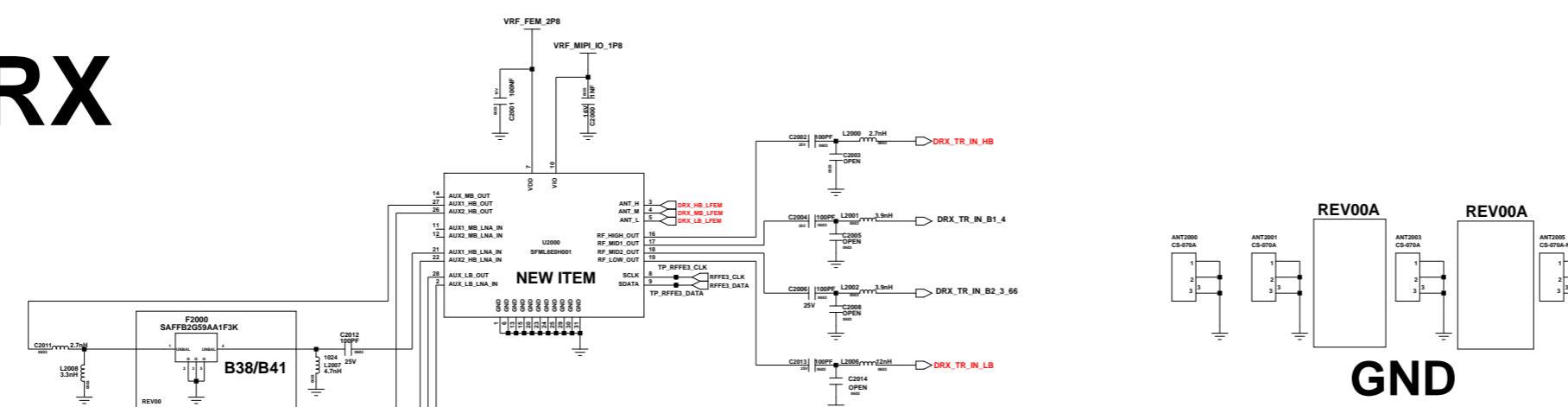
- sheet01 : GSM / WCDMA / LTE RF**
- sheet02 : TRANCEIVER, DRX**
- sheet03 : SENSORS, DMB/DTV, CONNECTIVITY**
- sheet04 : AP(RAMEN+)**
- sheet05 : PMIC(Main,IF), KEY, MOTOR, UFS**
- sheet06 : AUDIO, SD/SIM, SHIELD CAN, IF CON**
- sheet07 : CAMERA, DISPLAY**

Engineer:			
Drawn by:			
R&D CHK:	TITLE:		Size: A1
DOC CTRL CHK:	<b>SM-A515FM</b>		
MFG ENGR CHK:			
GA CHK:	REV:	Drawing Number:	Page: 0
15	16		

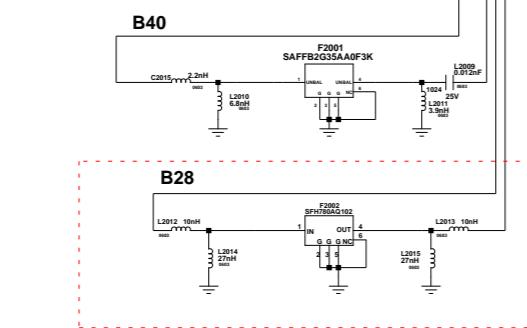
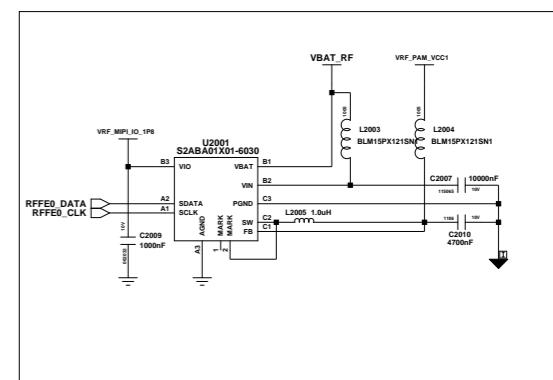


# DRX

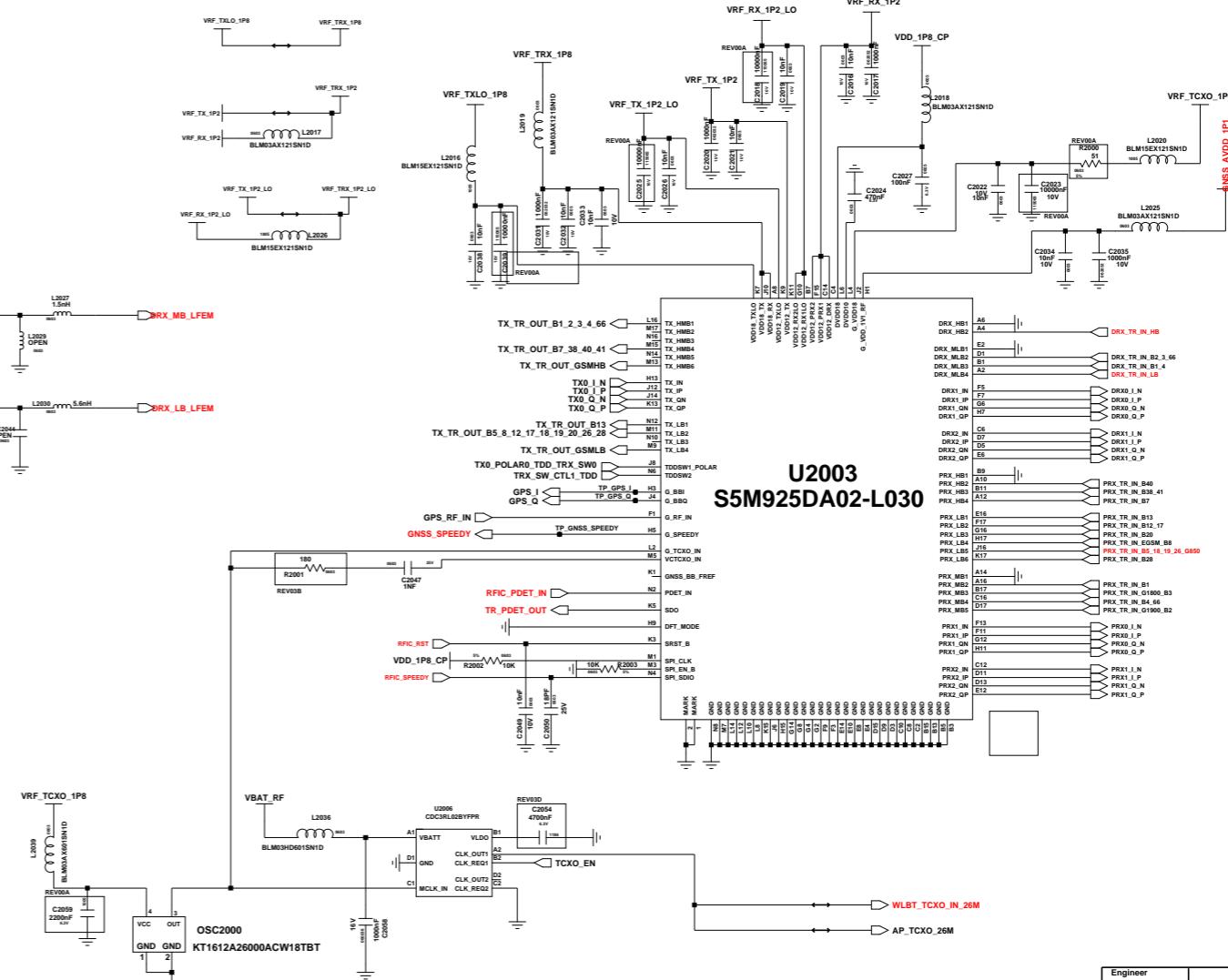
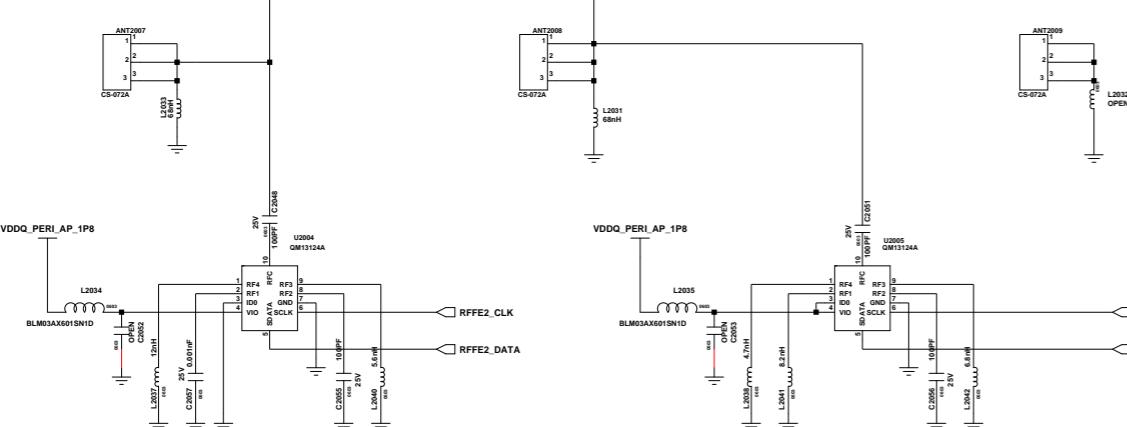
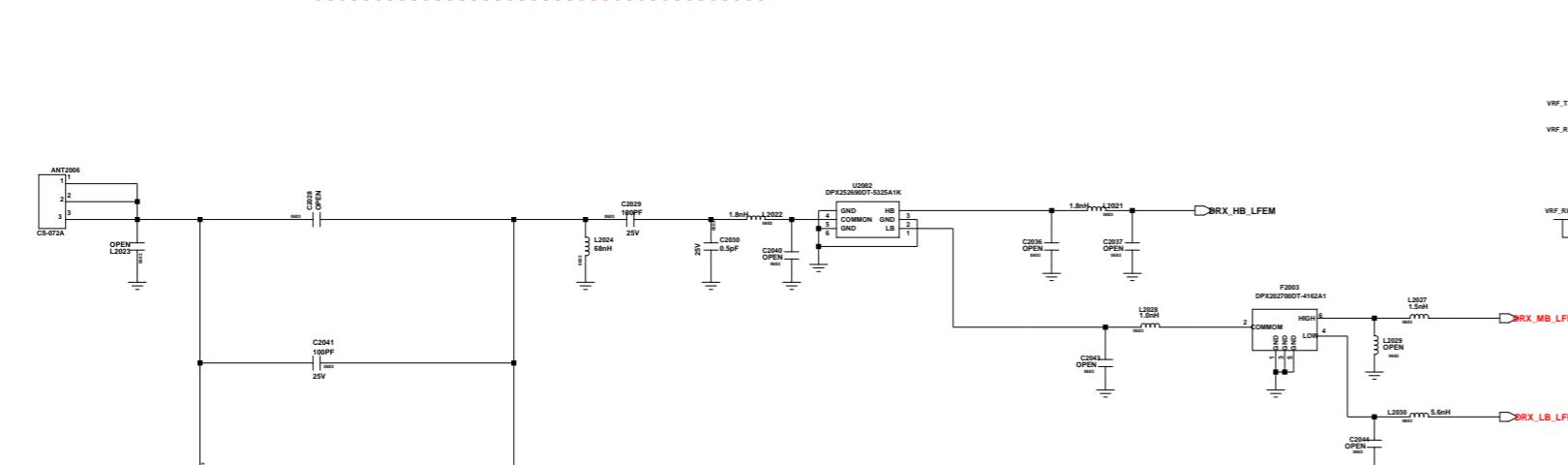
# APT MODULATOR



# GND



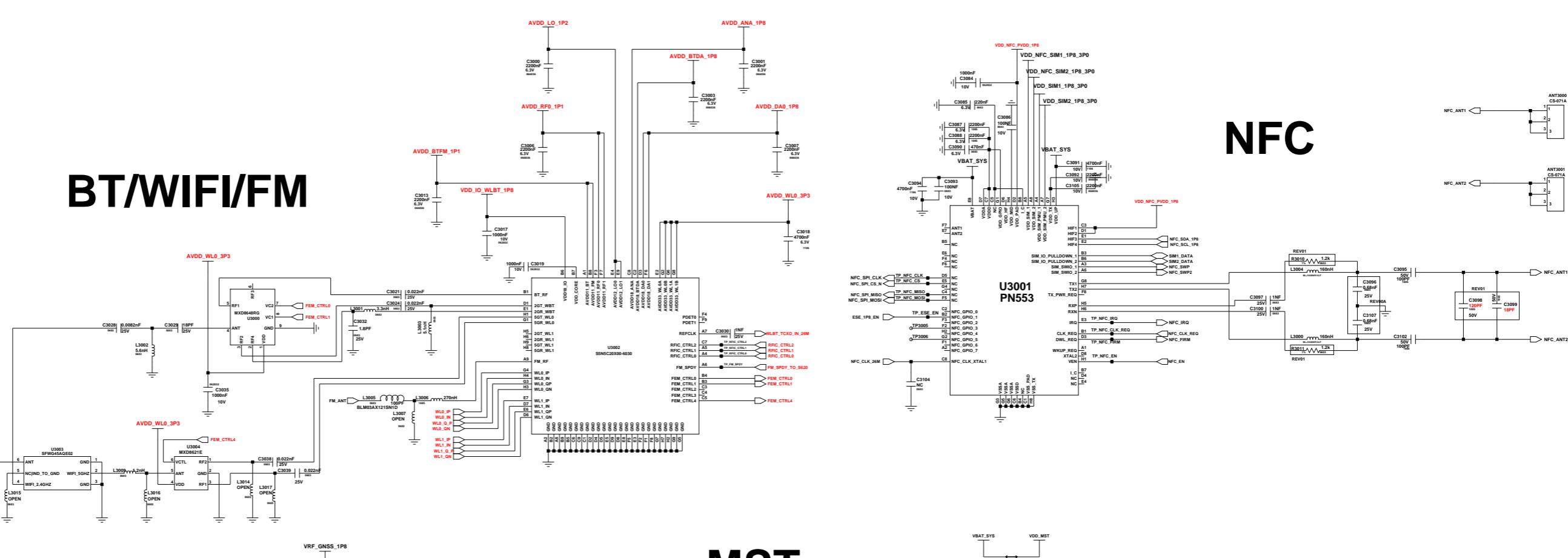
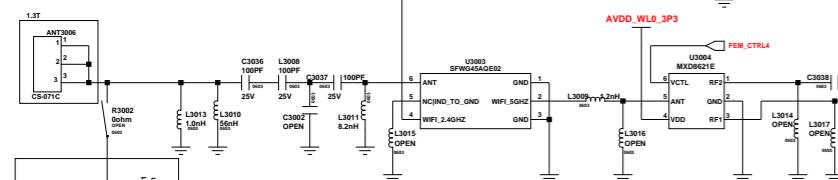
# TRANCEIVER



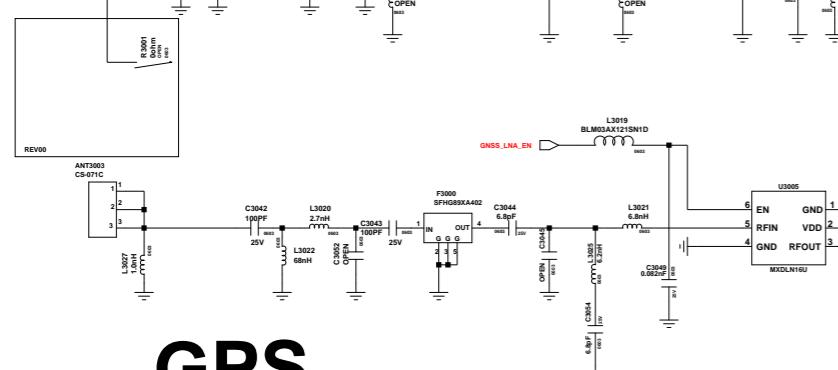
Engineer	DRX, TRANCEIVER
Drawn by:	
R&D CHK:	
DOC CTRL CHK:	
MFG ENGR CHK:	
Changed by:	Date Changed:
	Time Changed:
	QA CHK:
	Drawing Number

Size: A3  
Title: SM-A515FM  
Page: 27

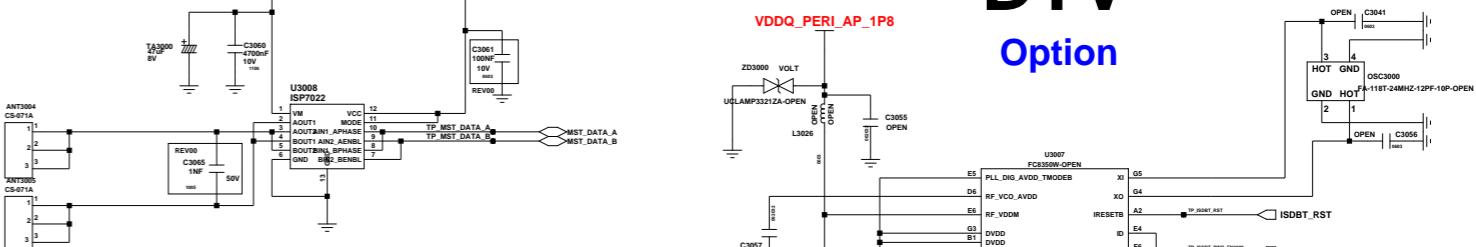
# BT/WIFI/FM



# GPS



# MST



# SENSORS



## RGB sensor

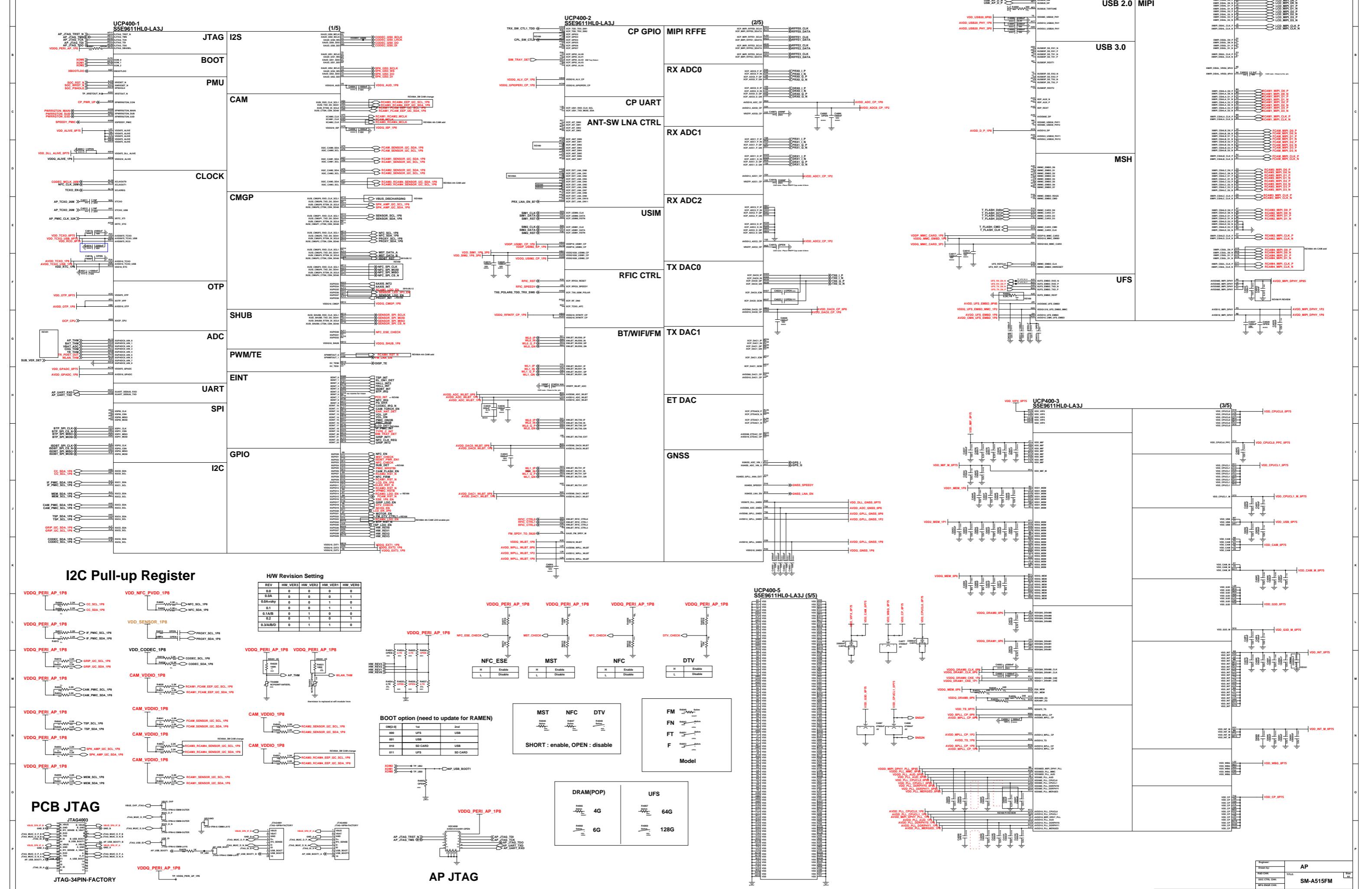


## HALL IC

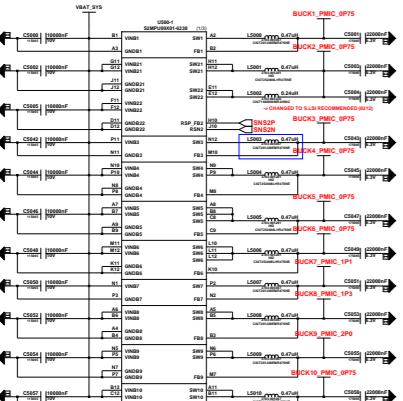


# **EXYNOS9611(RAMEN+) POP MEMORY**

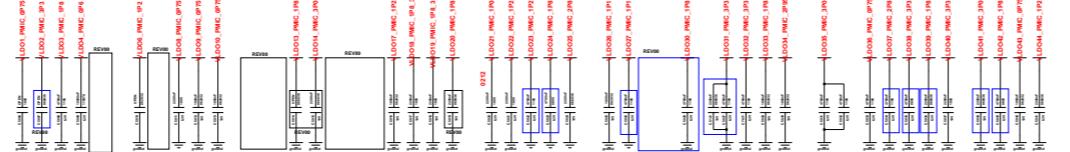
LP4x 4G : 1105-003008, K4UBE3DAM-CGCL, SEC  
LP4x 4G : 1105-003012, MT53D1024M32D4B#046WT:D, MICRON  
LP4x 6G : 1105-003007, K4UJE3T4AM-CGCL, SEC  
LP4x 6G : 1105-003011, MT53D1536M32D6ME-046WT:D, MICRON



# MAIN\_PMIC



SYSTEM POWER



BUCK POWER



SYSTEM POWER

VDD1\_PMIC\_3P 3.2V/100mA

VDD2\_PMIC\_3P 3.2V/100mA

VDD3\_PMIC\_3P 3.2V/100mA

VDD4\_PMIC\_3P 3.2V/100mA

VDD5\_PMIC\_3P 3.2V/100mA

VDD6\_PMIC\_3P 3.2V/100mA

VDD7\_PMIC\_3P 3.2V/100mA

VDD8\_PMIC\_3P 3.2V/100mA

VDD9\_PMIC\_3P 3.2V/100mA

VDD10\_PMIC\_3P 3.2V/100mA

VDD11\_PMIC\_3P 3.2V/100mA

VDD12\_PMIC\_3P 3.2V/100mA

VDD13\_PMIC\_3P 3.2V/100mA

VDD14\_PMIC\_3P 3.2V/100mA

VDD15\_PMIC\_3P 3.2V/100mA

VDD16\_PMIC\_3P 3.2V/100mA

VDD17\_PMIC\_3P 3.2V/100mA

VDD18\_PMIC\_3P 3.2V/100mA

VDD19\_PMIC\_3P 3.2V/100mA

VDD20\_PMIC\_3P 3.2V/100mA

VDD21\_PMIC\_3P 3.2V/100mA

VDD22\_PMIC\_3P 3.2V/100mA

VDD23\_PMIC\_3P 3.2V/100mA

VDD24\_PMIC\_3P 3.2V/100mA

VDD25\_PMIC\_3P 3.2V/100mA

VDD26\_PMIC\_3P 3.2V/100mA

VDD27\_PMIC\_3P 3.2V/100mA

VDD28\_PMIC\_3P 3.2V/100mA

VDD29\_PMIC\_3P 3.2V/100mA

VDD30\_PMIC\_3P 3.2V/100mA

VDD31\_PMIC\_3P 3.2V/100mA

VDD32\_PMIC\_3P 3.2V/100mA

VDD33\_PMIC\_3P 3.2V/100mA

VDD34\_PMIC\_3P 3.2V/100mA

VDD35\_PMIC\_3P 3.2V/100mA

VDD36\_PMIC\_3P 3.2V/100mA

VDD37\_PMIC\_3P 3.2V/100mA

VDD38\_PMIC\_3P 3.2V/100mA

VDD39\_PMIC\_3P 3.2V/100mA

VDD40\_PMIC\_3P 3.2V/100mA

VDD41\_PMIC\_3P 3.2V/100mA

VDD42\_PMIC\_3P 3.2V/100mA

VDD43\_PMIC\_3P 3.2V/100mA

VDD44\_PMIC\_3P 3.2V/100mA

VDD45\_PMIC\_3P 3.2V/100mA

VDD46\_PMIC\_3P 3.2V/100mA

VDD47\_PMIC\_3P 3.2V/100mA

VDD48\_PMIC\_3P 3.2V/100mA

VDD49\_PMIC\_3P 3.2V/100mA

VDD50\_PMIC\_3P 3.2V/100mA

VDD51\_PMIC\_3P 3.2V/100mA

VDD52\_PMIC\_3P 3.2V/100mA

VDD53\_PMIC\_3P 3.2V/100mA

VDD54\_PMIC\_3P 3.2V/100mA

VDD55\_PMIC\_3P 3.2V/100mA

VDD56\_PMIC\_3P 3.2V/100mA

VDD57\_PMIC\_3P 3.2V/100mA

VDD58\_PMIC\_3P 3.2V/100mA

VDD59\_PMIC\_3P 3.2V/100mA

VDD60\_PMIC\_3P 3.2V/100mA

VDD61\_PMIC\_3P 3.2V/100mA

VDD62\_PMIC\_3P 3.2V/100mA

VDD63\_PMIC\_3P 3.2V/100mA

VDD64\_PMIC\_3P 3.2V/100mA

VDD65\_PMIC\_3P 3.2V/100mA

VDD66\_PMIC\_3P 3.2V/100mA

VDD67\_PMIC\_3P 3.2V/100mA

VDD68\_PMIC\_3P 3.2V/100mA

VDD69\_PMIC\_3P 3.2V/100mA

VDD70\_PMIC\_3P 3.2V/100mA

VDD71\_PMIC\_3P 3.2V/100mA

VDD72\_PMIC\_3P 3.2V/100mA

VDD73\_PMIC\_3P 3.2V/100mA

VDD74\_PMIC\_3P 3.2V/100mA

VDD75\_PMIC\_3P 3.2V/100mA

VDD76\_PMIC\_3P 3.2V/100mA

VDD77\_PMIC\_3P 3.2V/100mA

VDD78\_PMIC\_3P 3.2V/100mA

VDD79\_PMIC\_3P 3.2V/100mA

VDD80\_PMIC\_3P 3.2V/100mA

VDD81\_PMIC\_3P 3.2V/100mA

VDD82\_PMIC\_3P 3.2V/100mA

VDD83\_PMIC\_3P 3.2V/100mA

VDD84\_PMIC\_3P 3.2V/100mA

VDD85\_PMIC\_3P 3.2V/100mA

VDD86\_PMIC\_3P 3.2V/100mA

VDD87\_PMIC\_3P 3.2V/100mA

VDD88\_PMIC\_3P 3.2V/100mA

VDD89\_PMIC\_3P 3.2V/100mA

VDD90\_PMIC\_3P 3.2V/100mA

VDD91\_PMIC\_3P 3.2V/100mA

VDD92\_PMIC\_3P 3.2V/100mA

VDD93\_PMIC\_3P 3.2V/100mA

VDD94\_PMIC\_3P 3.2V/100mA

VDD95\_PMIC\_3P 3.2V/100mA

VDD96\_PMIC\_3P 3.2V/100mA

VDD97\_PMIC\_3P 3.2V/100mA

VDD98\_PMIC\_3P 3.2V/100mA

VDD99\_PMIC\_3P 3.2V/100mA

VDD100\_PMIC\_3P 3.2V/100mA

VDD101\_PMIC\_3P 3.2V/100mA

VDD102\_PMIC\_3P 3.2V/100mA

VDD103\_PMIC\_3P 3.2V/100mA

VDD104\_PMIC\_3P 3.2V/100mA

VDD105\_PMIC\_3P 3.2V/100mA

VDD106\_PMIC\_3P 3.2V/100mA

VDD107\_PMIC\_3P 3.2V/100mA

VDD108\_PMIC\_3P 3.2V/100mA

VDD109\_PMIC\_3P 3.2V/100mA

VDD110\_PMIC\_3P 3.2V/100mA

VDD111\_PMIC\_3P 3.2V/100mA

VDD112\_PMIC\_3P 3.2V/100mA

VDD113\_PMIC\_3P 3.2V/100mA

VDD114\_PMIC\_3P 3.2V/100mA

VDD115\_PMIC\_3P 3.2V/100mA

VDD116\_PMIC\_3P 3.2V/100mA

VDD117\_PMIC\_3P 3.2V/100mA

VDD118\_PMIC\_3P 3.2V/100mA

VDD119\_PMIC\_3P 3.2V/100mA

VDD120\_PMIC\_3P 3.2V/100mA

VDD121\_PMIC\_3P 3.2V/100mA

VDD122\_PMIC\_3P 3.2V/100mA

VDD123\_PMIC\_3P 3.2V/100mA

VDD124\_PMIC\_3P 3.2V/100mA

VDD125\_PMIC\_3P 3.2V/100mA

VDD126\_PMIC\_3P 3.2V/100mA

VDD127\_PMIC\_3P 3.2V/100mA

VDD128\_PMIC\_3P 3.2V/100mA

VDD129\_PMIC\_3P 3.2V/100mA

VDD130\_PMIC\_3P 3.2V/100mA

VDD131\_PMIC\_3P 3.2V/100mA

VDD132\_PMIC\_3P 3.2V/100mA

VDD133\_PMIC\_3P 3.2V/100mA

VDD134\_PMIC\_3P 3.2V/100mA

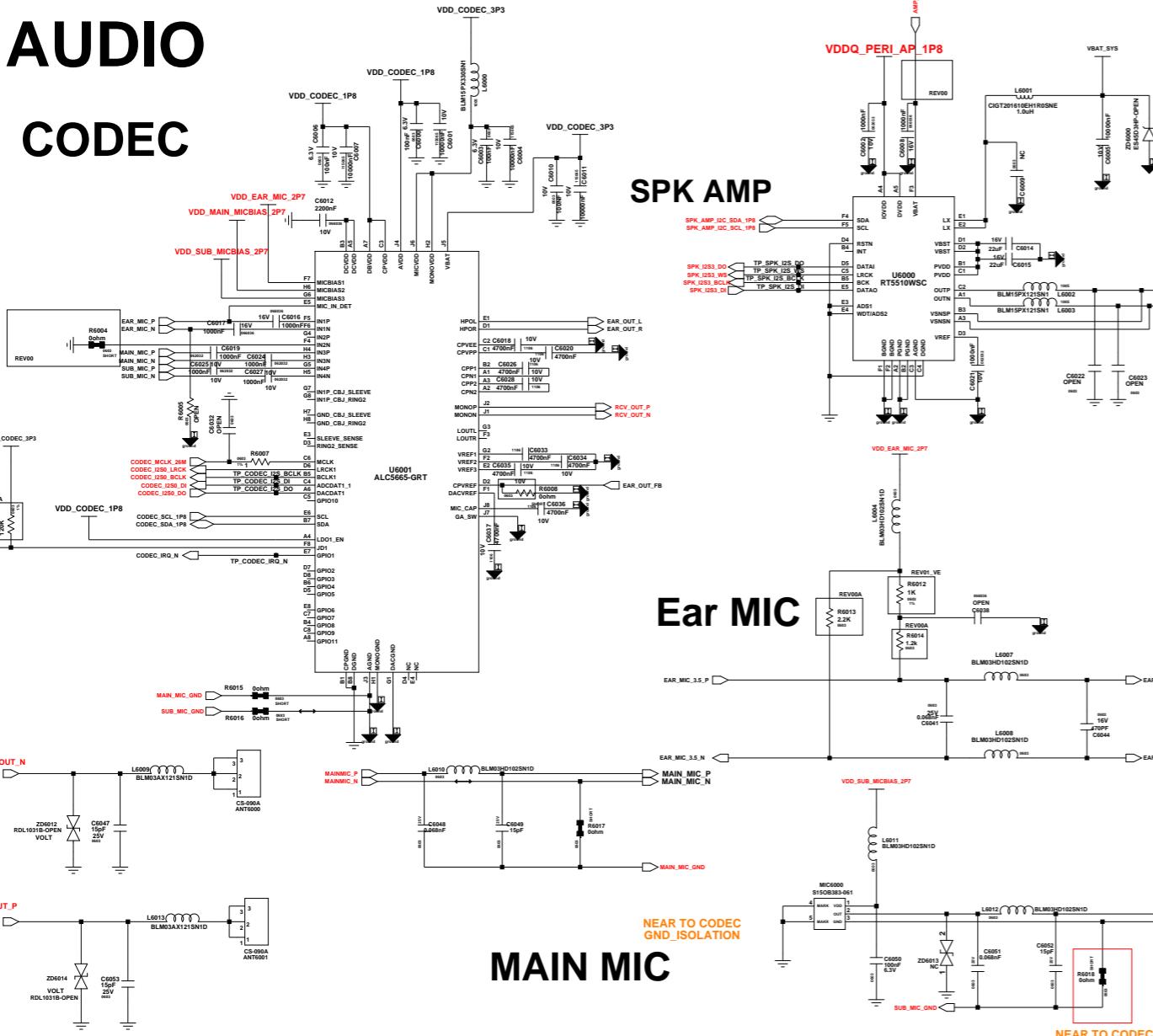
VDD135\_PMIC\_3P 3.2V/100mA

VDD136\_PMIC\_3P 3.2V/100mA

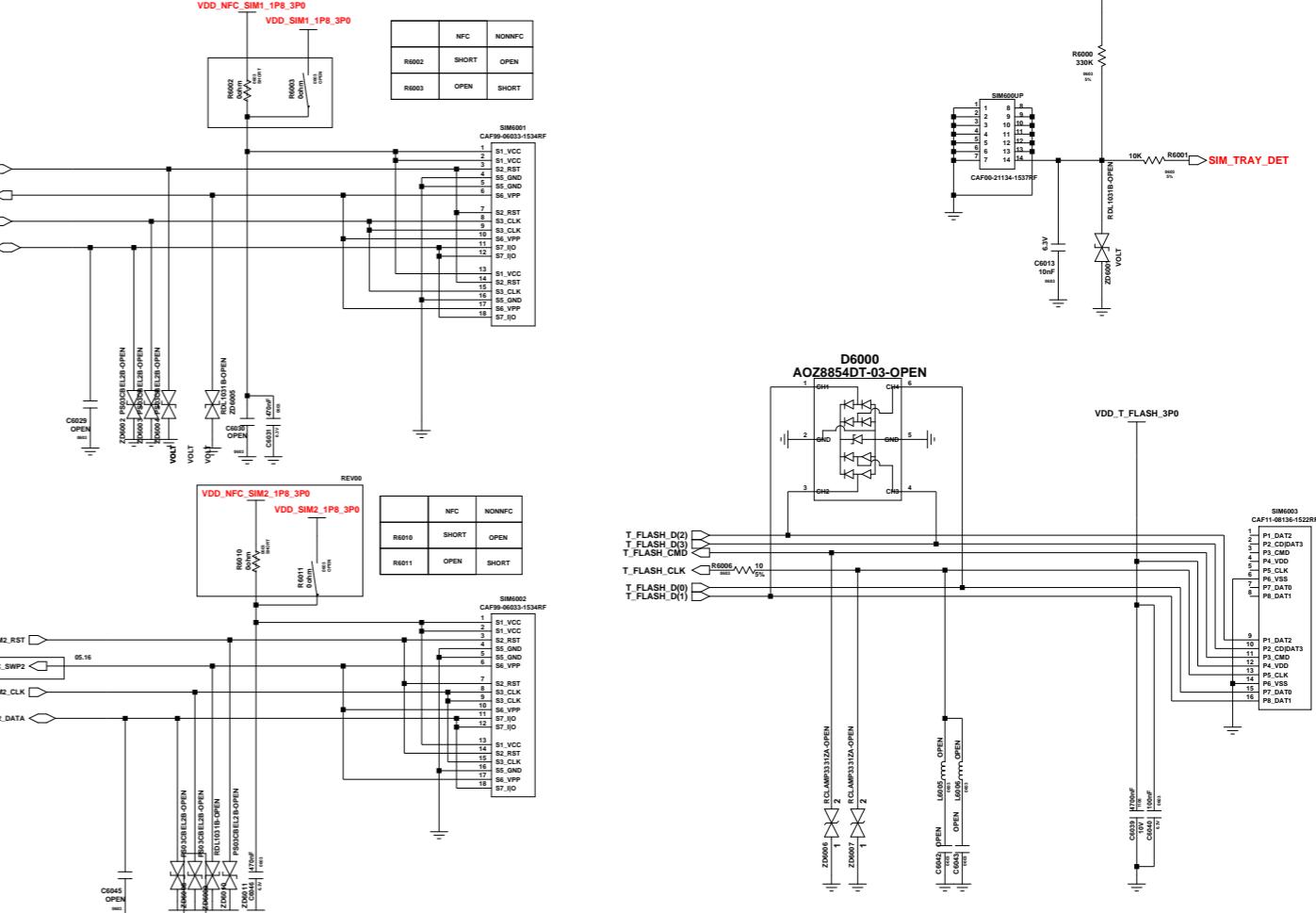
VDD137\_PMIC\_3P 3.2V/100mA

VDD138\_PMIC\_3P 3

# AUDIO CODEC



# SIM & SD CARD (3IN3)

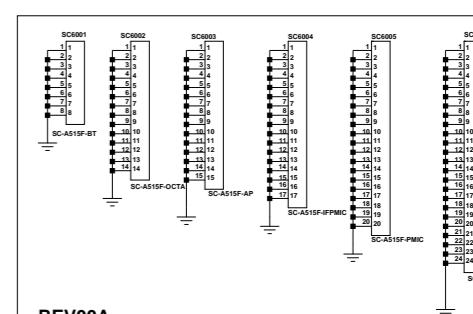


# 2D BARCODE

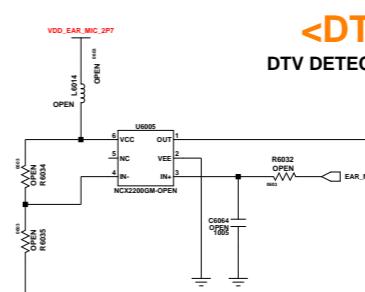
# BOTH HOLE



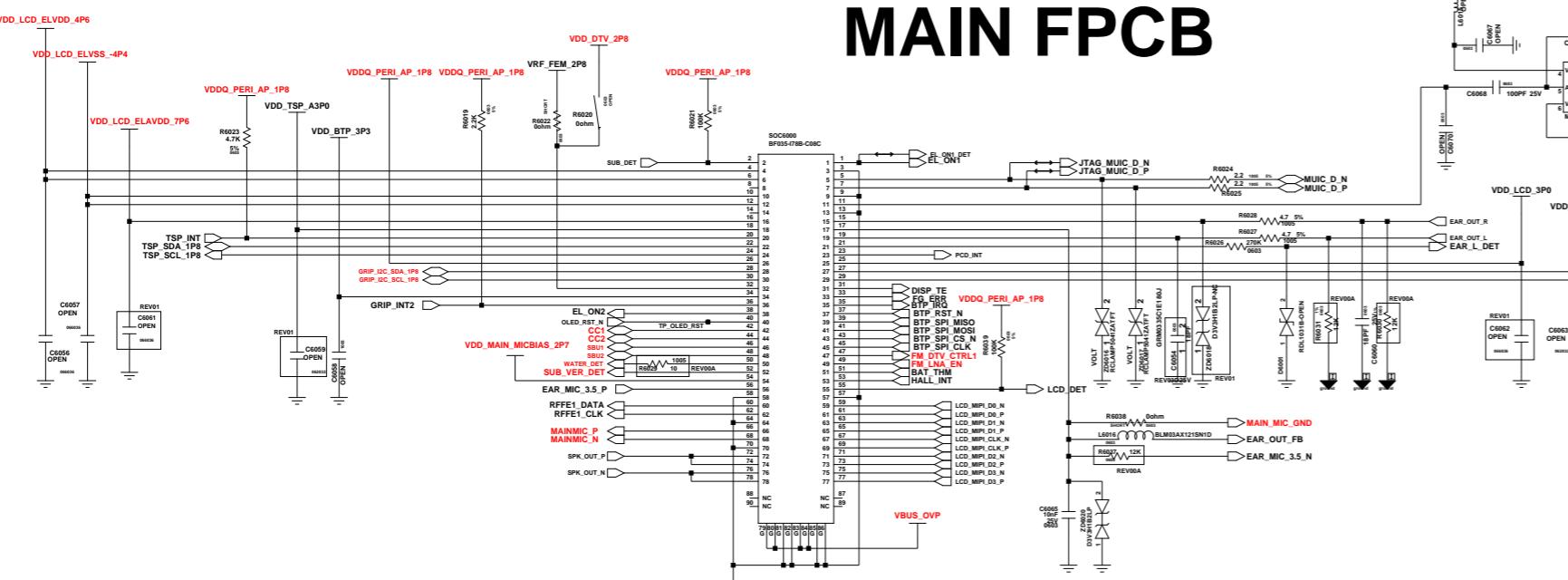
# SHIELD CAN



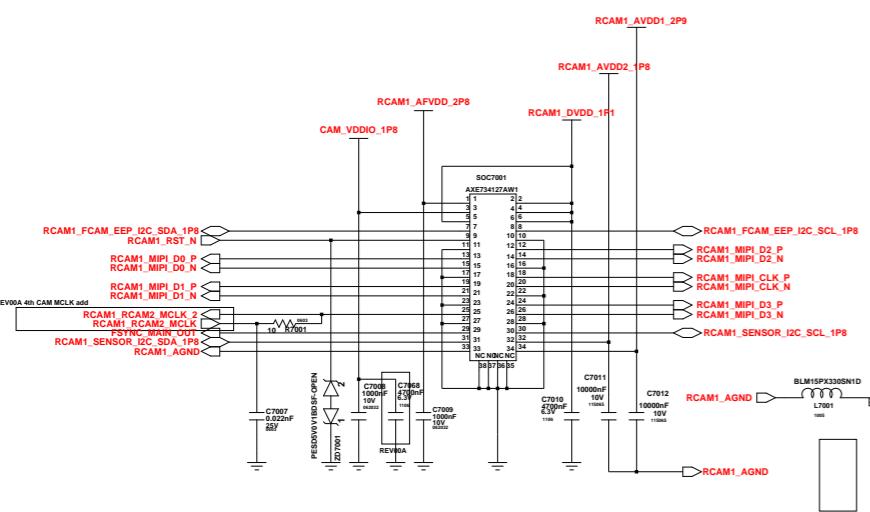
# <DTV> DTV DETECT OPEN



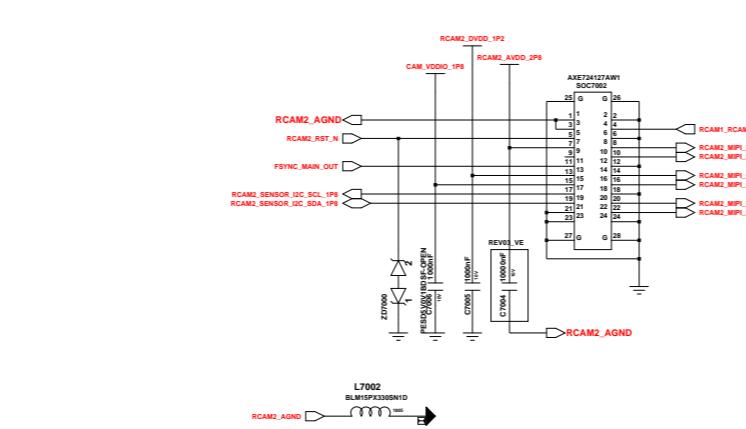
# MAIN FPCB



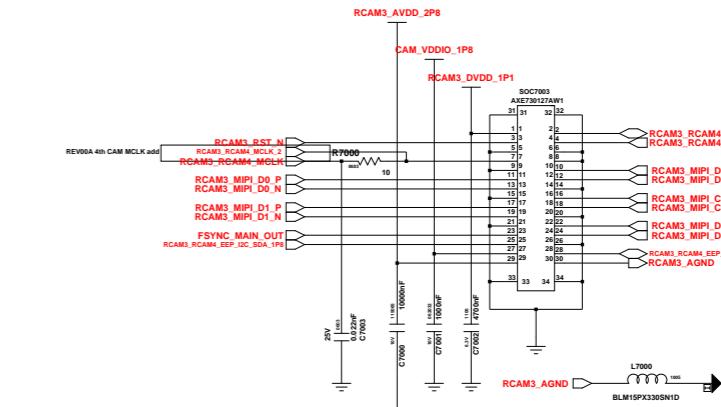
# CAMERA\_PART



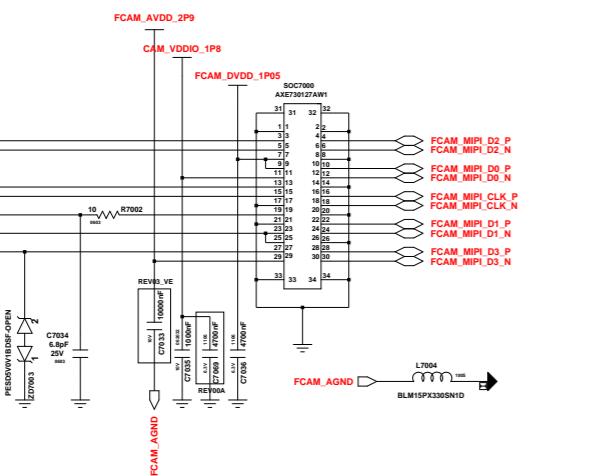
**RCAM1\_48M CAMERA(34PIN)\_IMX582**



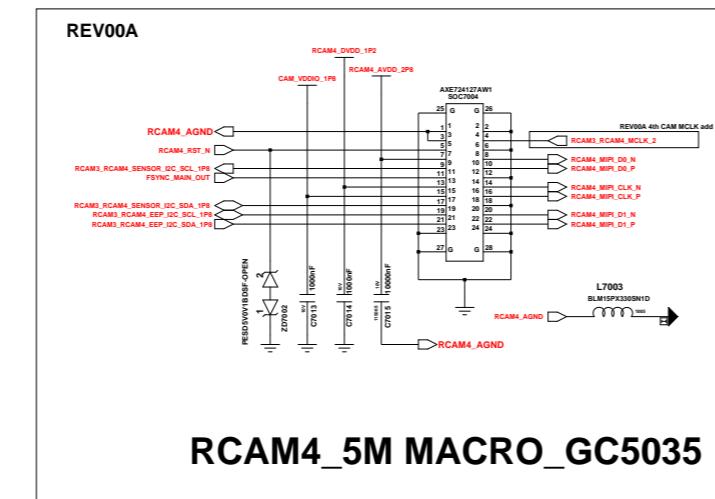
**RCAM2\_5M CAMERA(24PIN)\_GC5035**



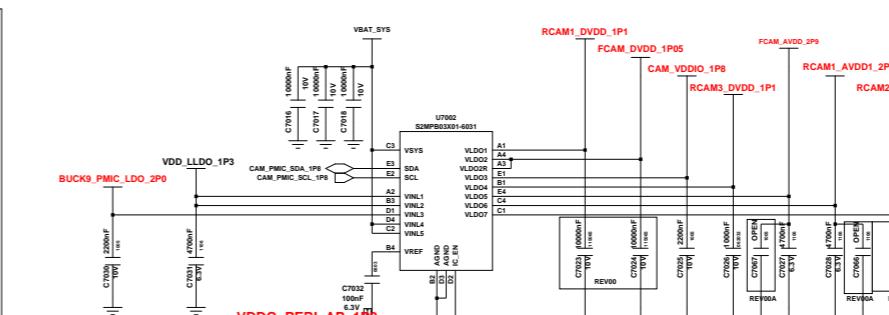
**RCAM3\_ULTRA WIDE\_12M CAMERA(30pin)\_Hi1336**



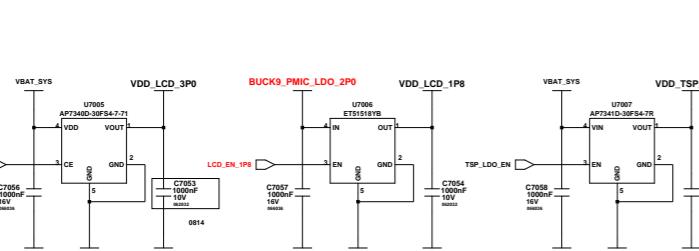
**FRONT\_32M CAMERA\_IMX616**



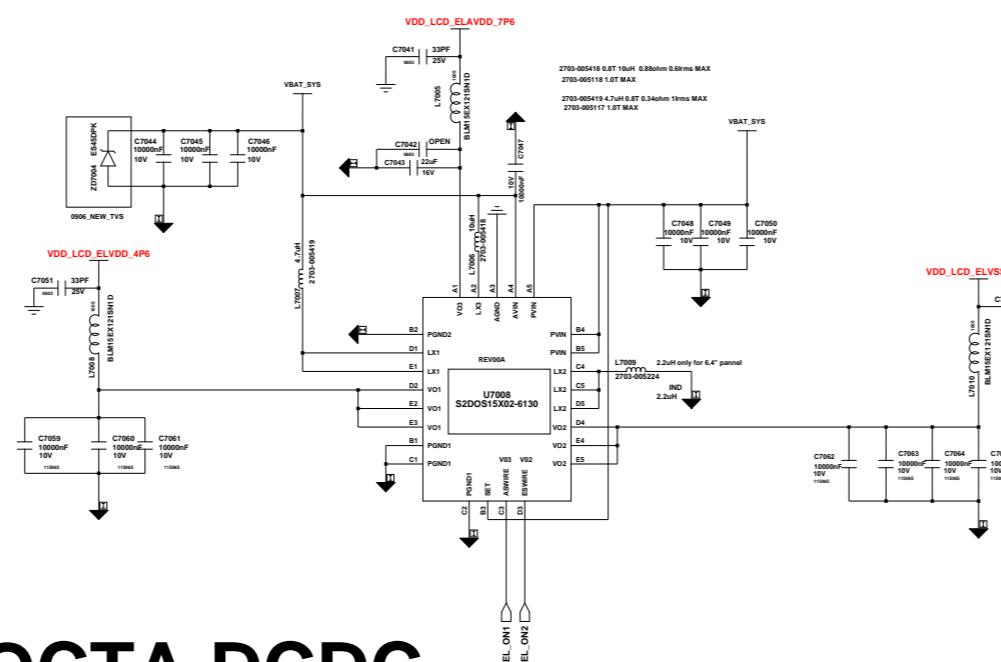
**RCAM4\_5M MACRO\_GC5035**



**CAM PMIC**



**OCTA LDO**



**OCTA DCDC**

