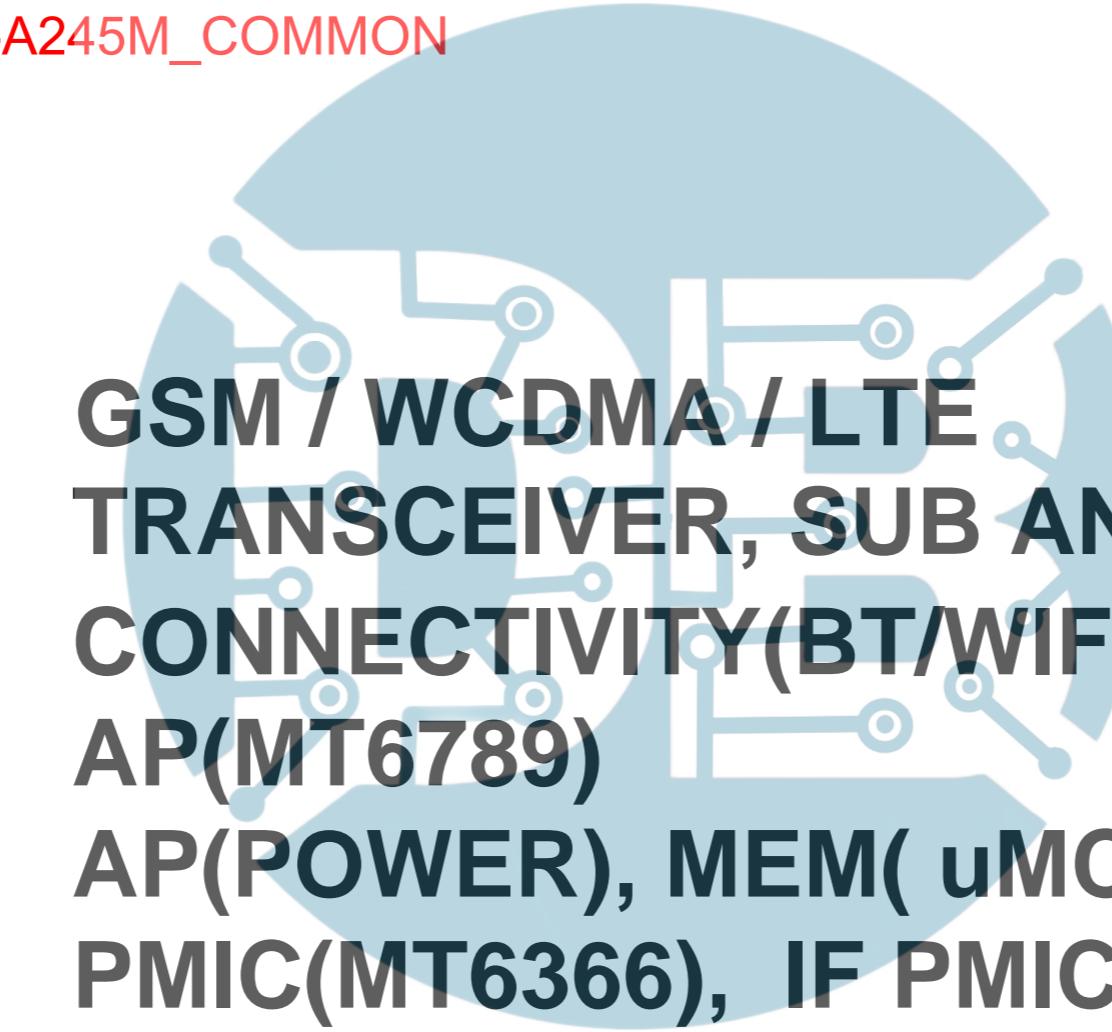


# A24 SM-A245M

SM-A245M\_COMMON

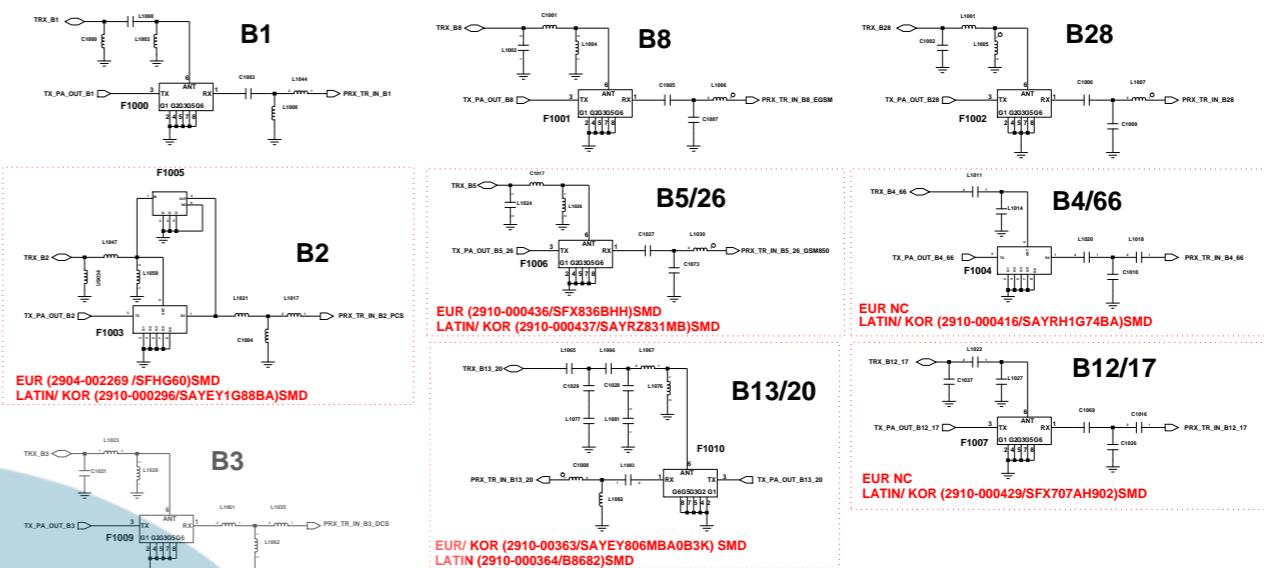
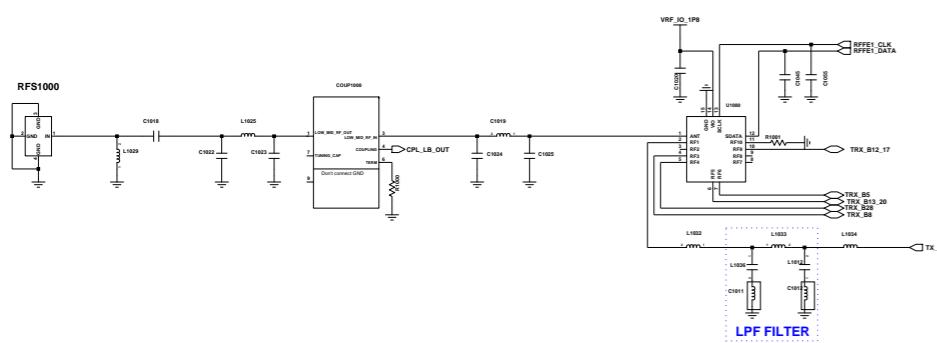
2022.12.13

- 
- Sheet01 : GSM / WCDMA / LTE**
  - Sheet02 : TRANSCEIVER, SUB ANT**
  - Sheet03 : CONNECTIVITY(BT/WIFI/FM), NFC**
  - Sheet04 : AP(MT6789)**
  - Sheet05 : AP(POWER), MEM( uMCP)**
  - Sheet06 : PMIC(MT6366), IF PMIC**
  - Sheet07 : AUDIO Codec, SENSOR, SIM, SD**
  - Sheet08 : CAMERA**
  - Sheet09 : DISPLAY PMIC, C2C**

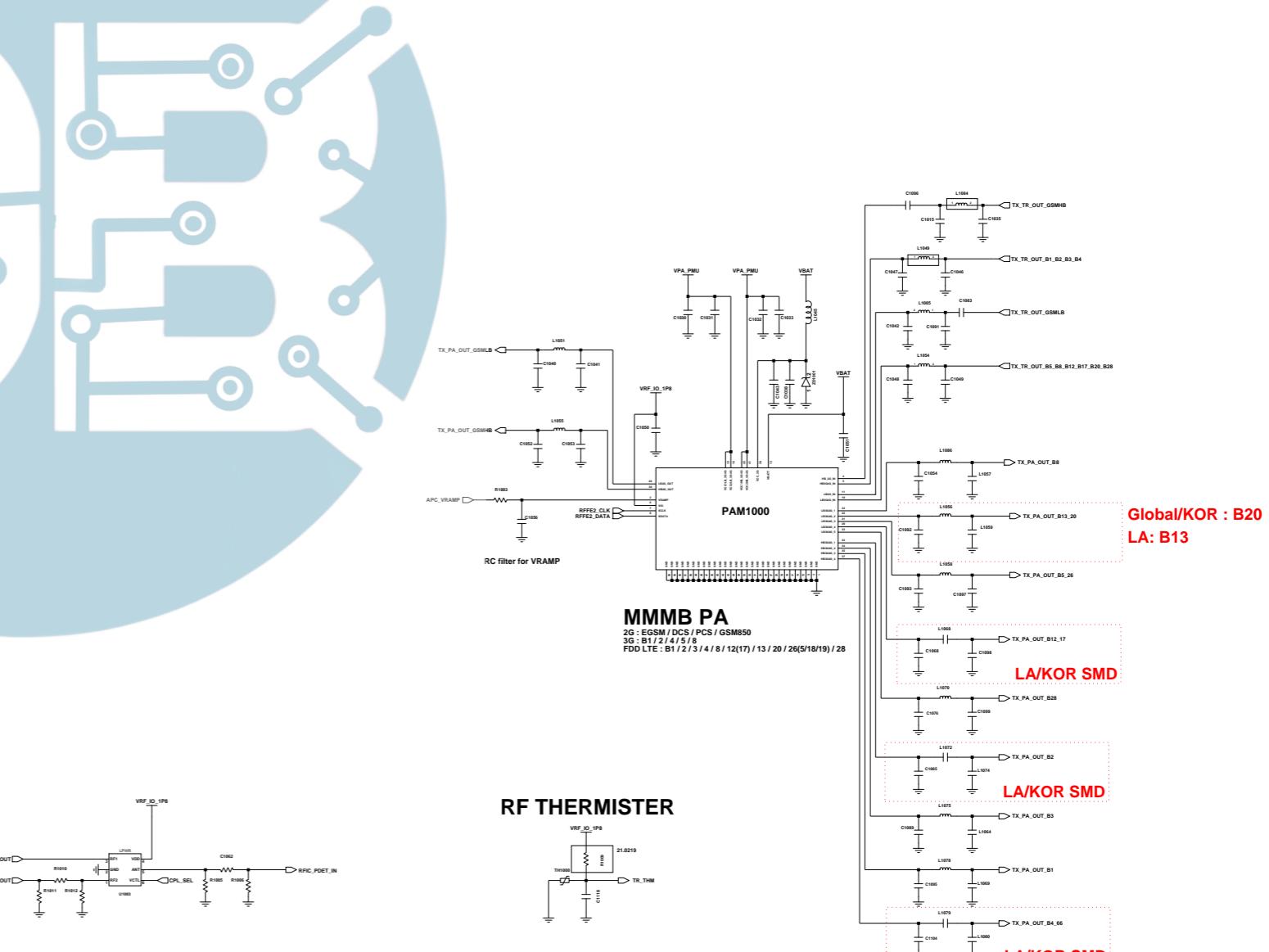
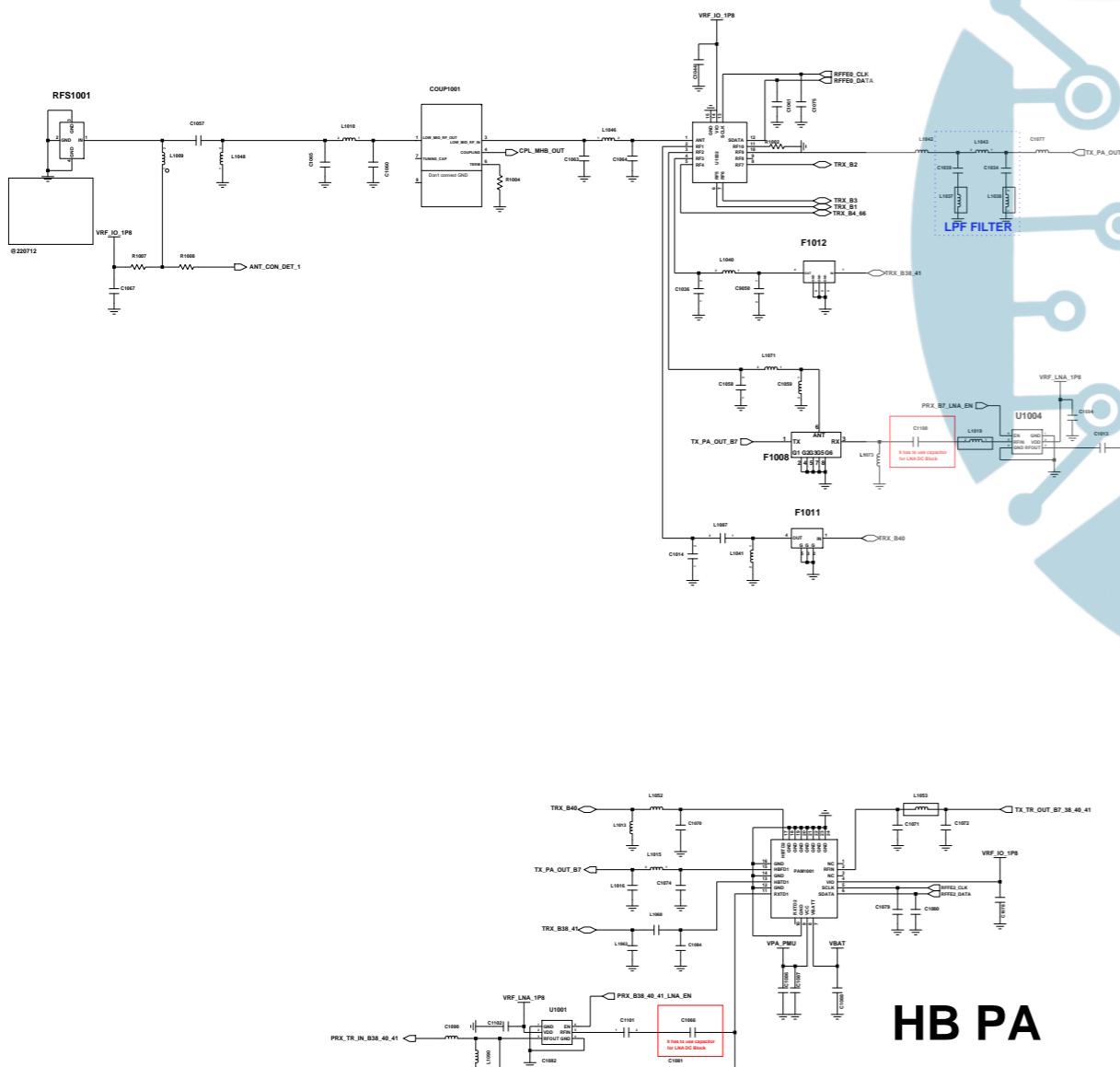
Engineer:	
Drawn by:	
REQ CHK:	
DOC CTRL CHK:	
MPG ENGR CHK:	

CIS/EUR/MEA/AFR/SEA/SWA	LATIN IREPAIR	KOR
FDD	1/ 3/ 5/ 7/ 8/ 20/28	1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 17/ 26/ 28/ 66
TDD	38/ 40/ 41	38/ 40/ 41
3G	1/ 5/ 8	1/ 2/ 4/ 5/ 8
2G	850/ 900/ 1800/ 1900	850/ 900/ 1800/ 1900
		850/ 900/ 1800/ 1900

## MAIN ANT1 LOW BAND



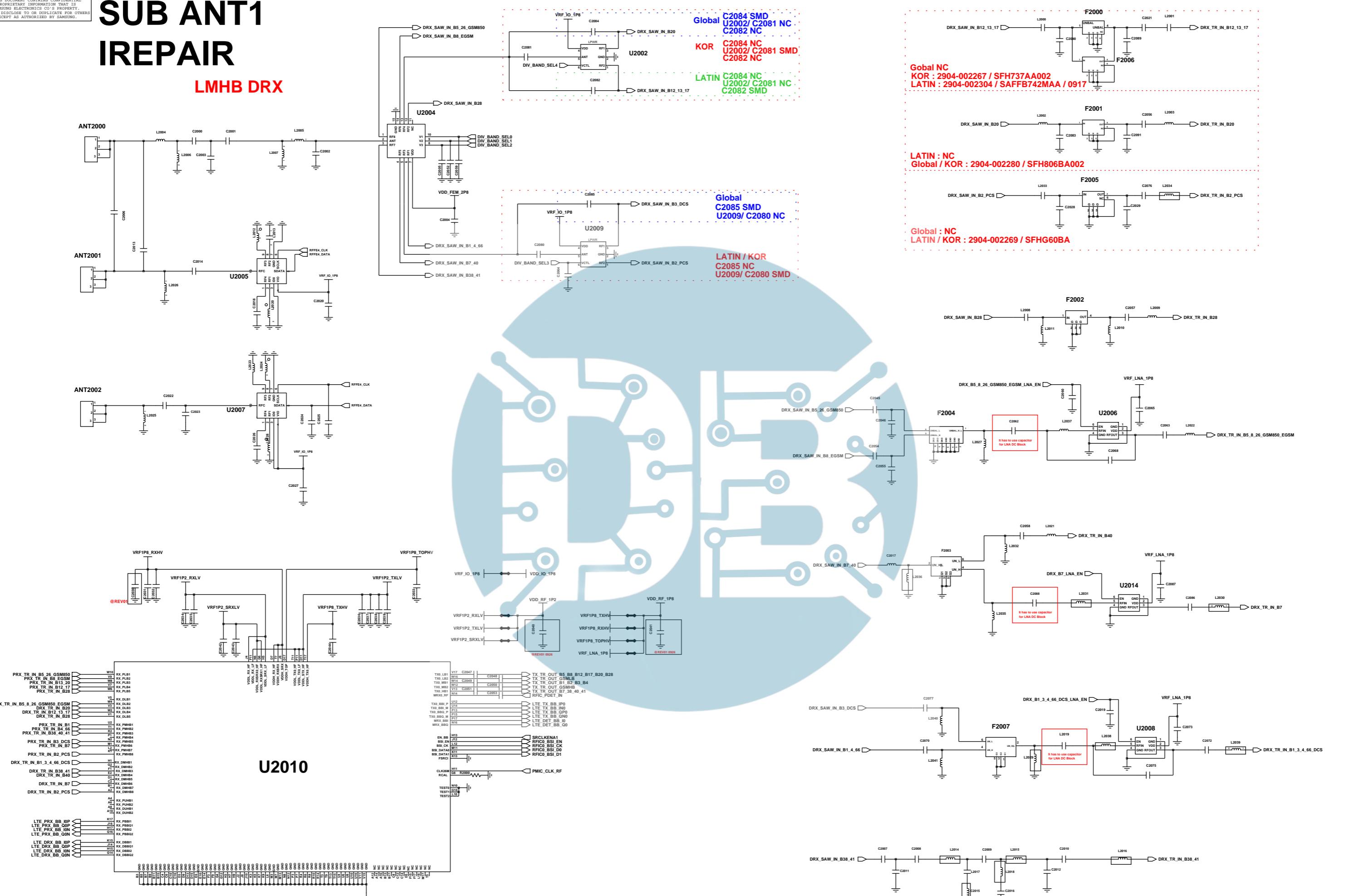
## MAIN ANT2 MID/ HIGH BAND



HB PA

# SUB ANT1

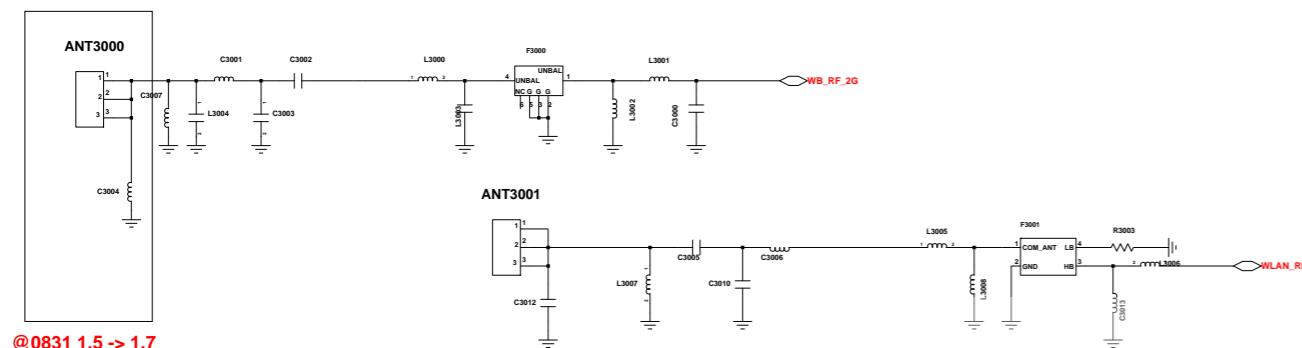
# IREPAIR



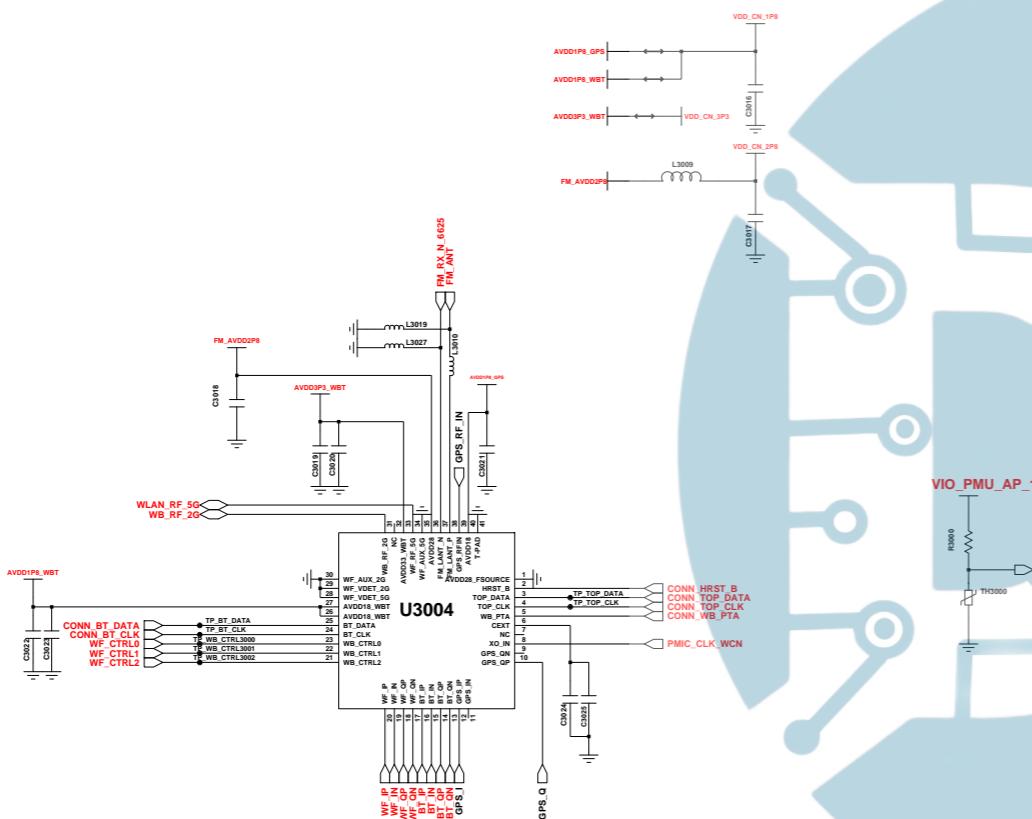
# TRANSCIEVER

Engineer: SEC	A24_LTE NEXT_G		
Drawn by: SEC			
R&D CHKC:	TITLE:		Size: L
DOC CTRL CHKC:			
MPG ENGR CHKC:			16112 A
QC CHKC:	REV:	Drawing Number:	Page:

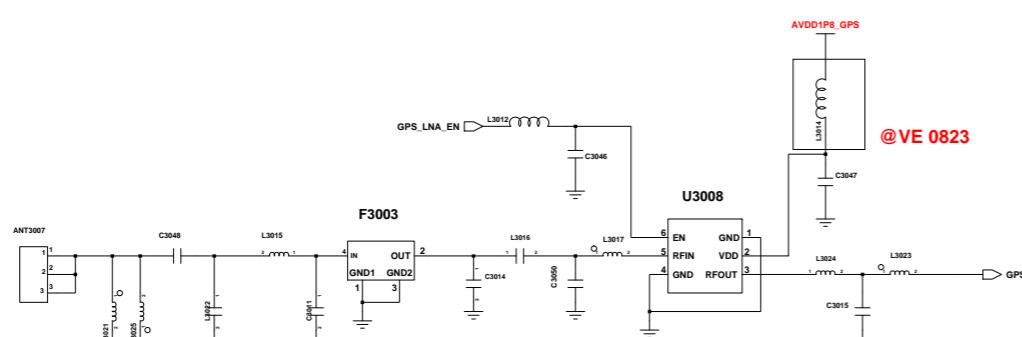
# WIFI/BT/FM IREPAIR



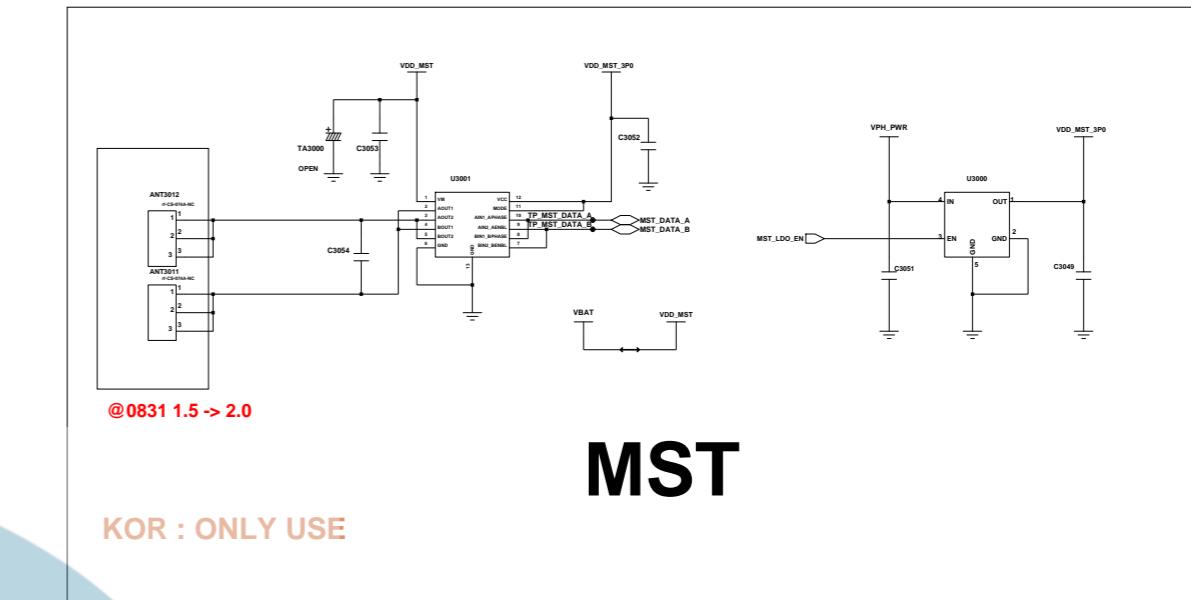
@0831 1.5 > 1.7



DRX MHB /GPS L1 /GNSS /BEIDOU



@VE 0823



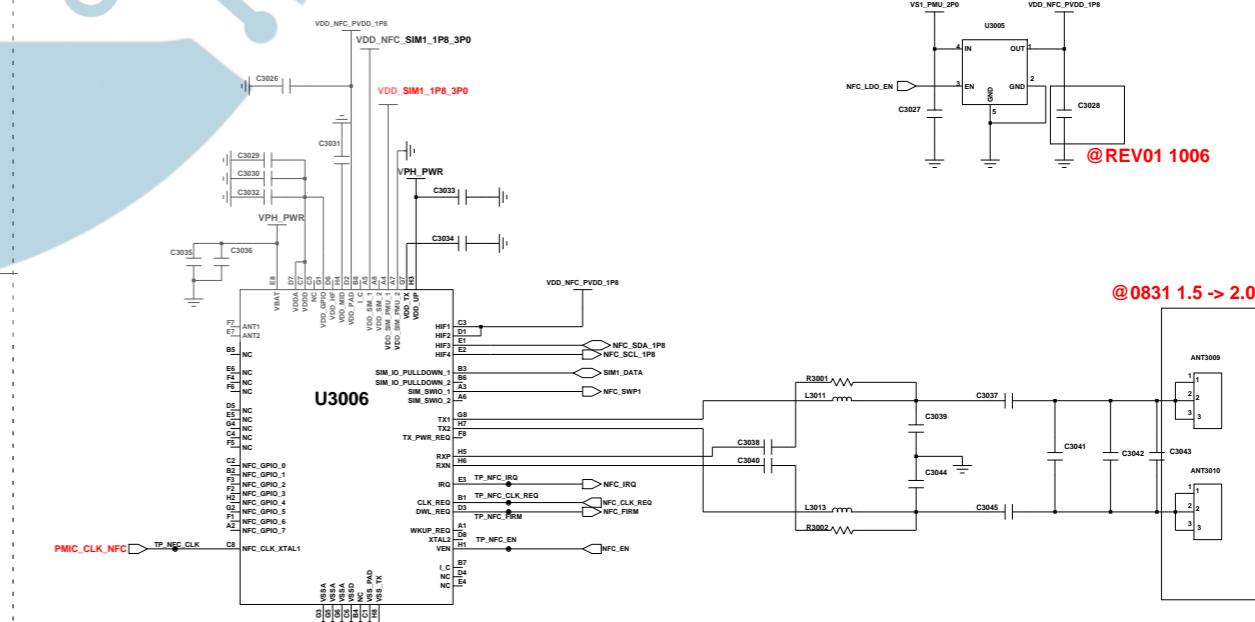
@0831 1.5 > 2.0

**MST**

KOR : ONLY USE

GND CCP

**NFC(OPTION)**



@0831 1.5 > 2.0

CIS/MEA/SEA/LA/KOR	SWA	NFC	NFC PART	Power supply of SIM1	NFC GPIO		
			u3006	R7009	R7010	R4022	R4025
		NFC	CONNECT	short	open	10K ohm	open
		nonNFC	NC	open	short	open	10K ohm

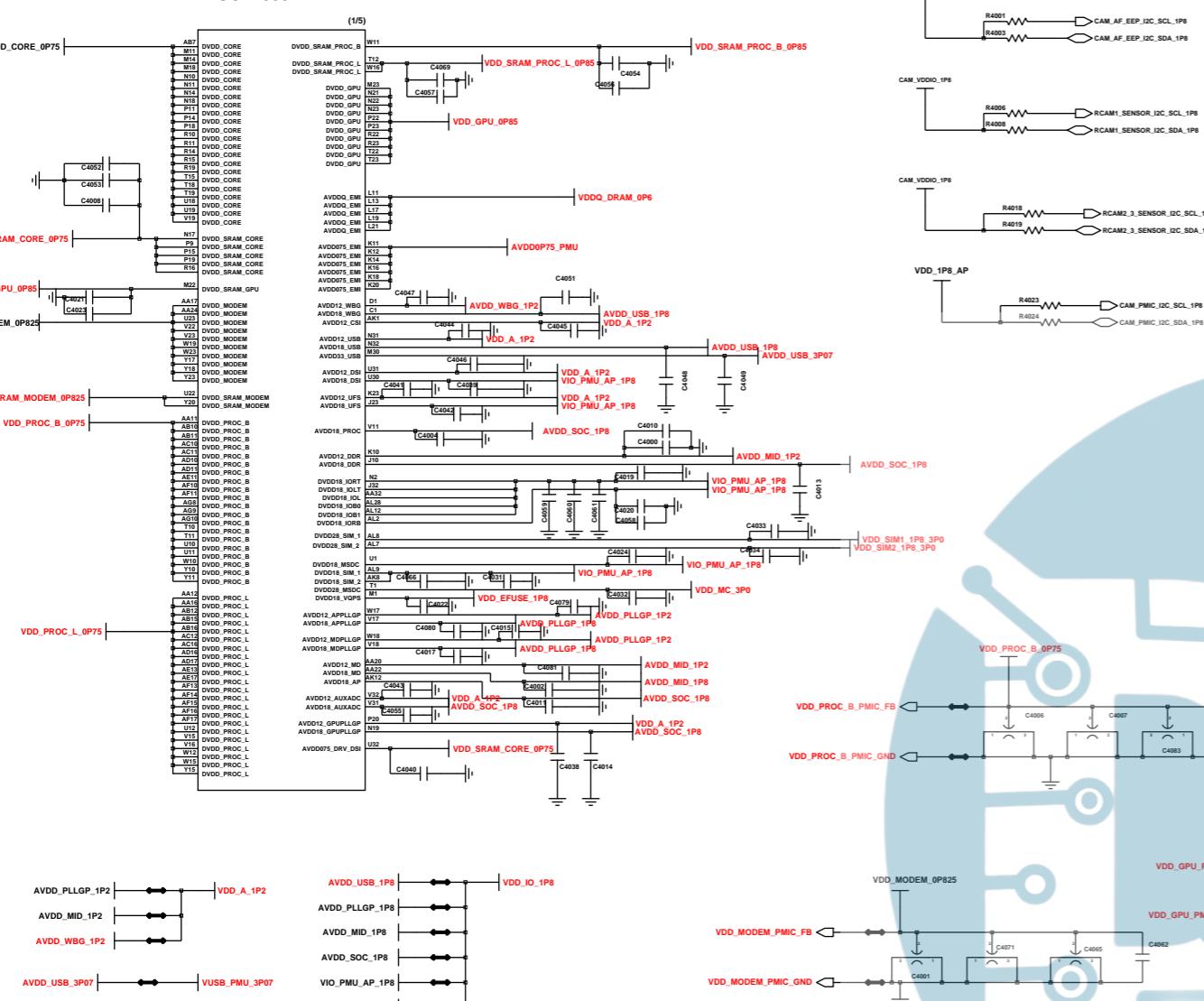
Changed by: Date Changed: Time Changed: QA CHK: REV Drawing Number: Page:

Engineer: Drawn by: R&D CHK: Title: A24 LTE\_NEXT\_G  
Doc Ctrl CHK: Size:  
Mfg Engn CHK: WiFi/NFC/GPS

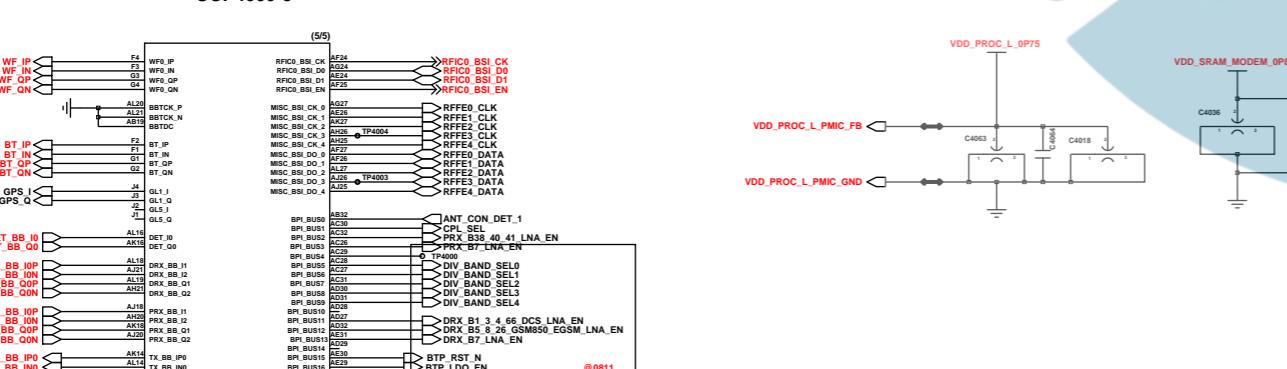
user111

# MT6789 IREPAIR

UCP4000-1



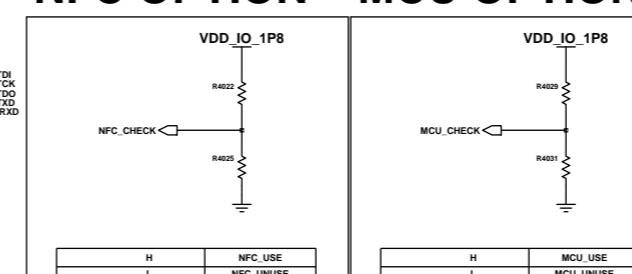
UCP4000-



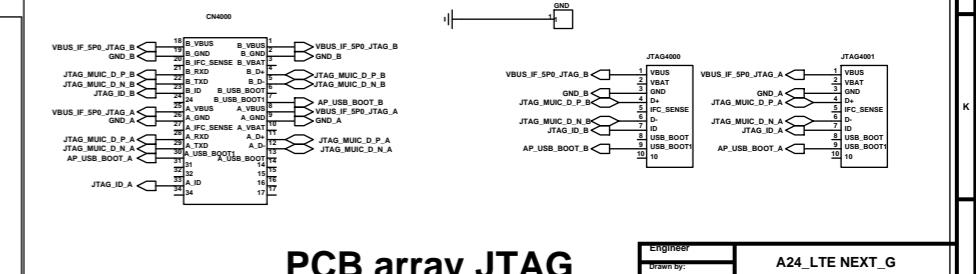
Thermister

JTAG CON

#### **NFC OPTION    MCU OPTION**

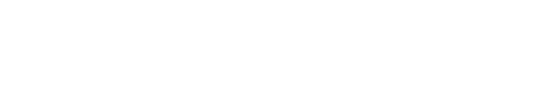
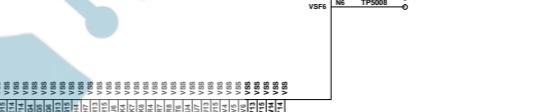
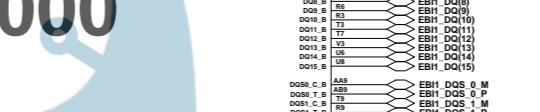
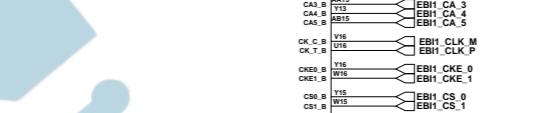
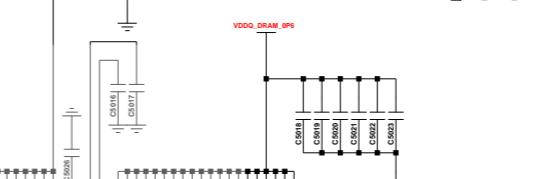
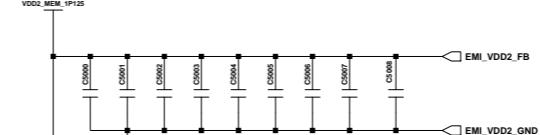
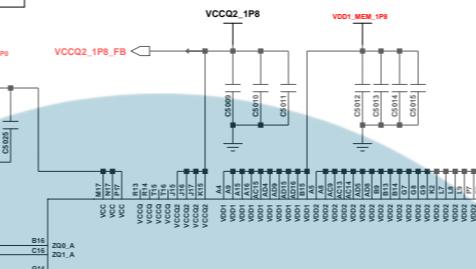
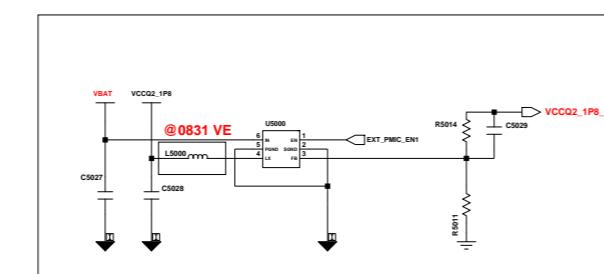
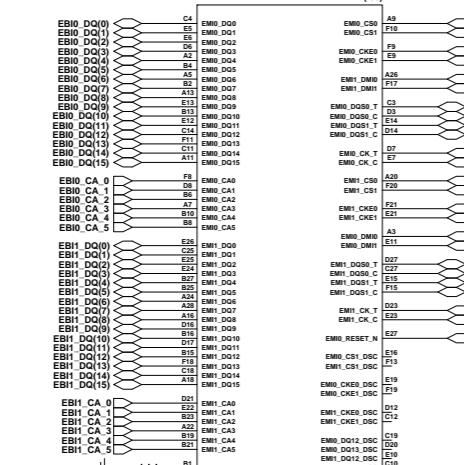


PCB array JTAG



A24_LTE NEXT_G	
TITLE:	Size
AP/CP	
Drawing Number	

## UCP4000-4



# uMCP (LP4x + UFS) IREPAIR

## MEMORY

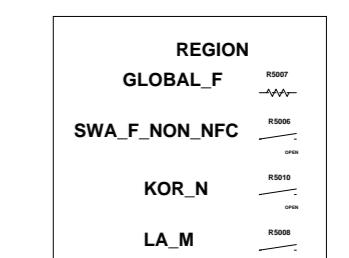
**4GB/64GB**  
1108-000720 KM5P9001DM-B424

R5004  
OPEN

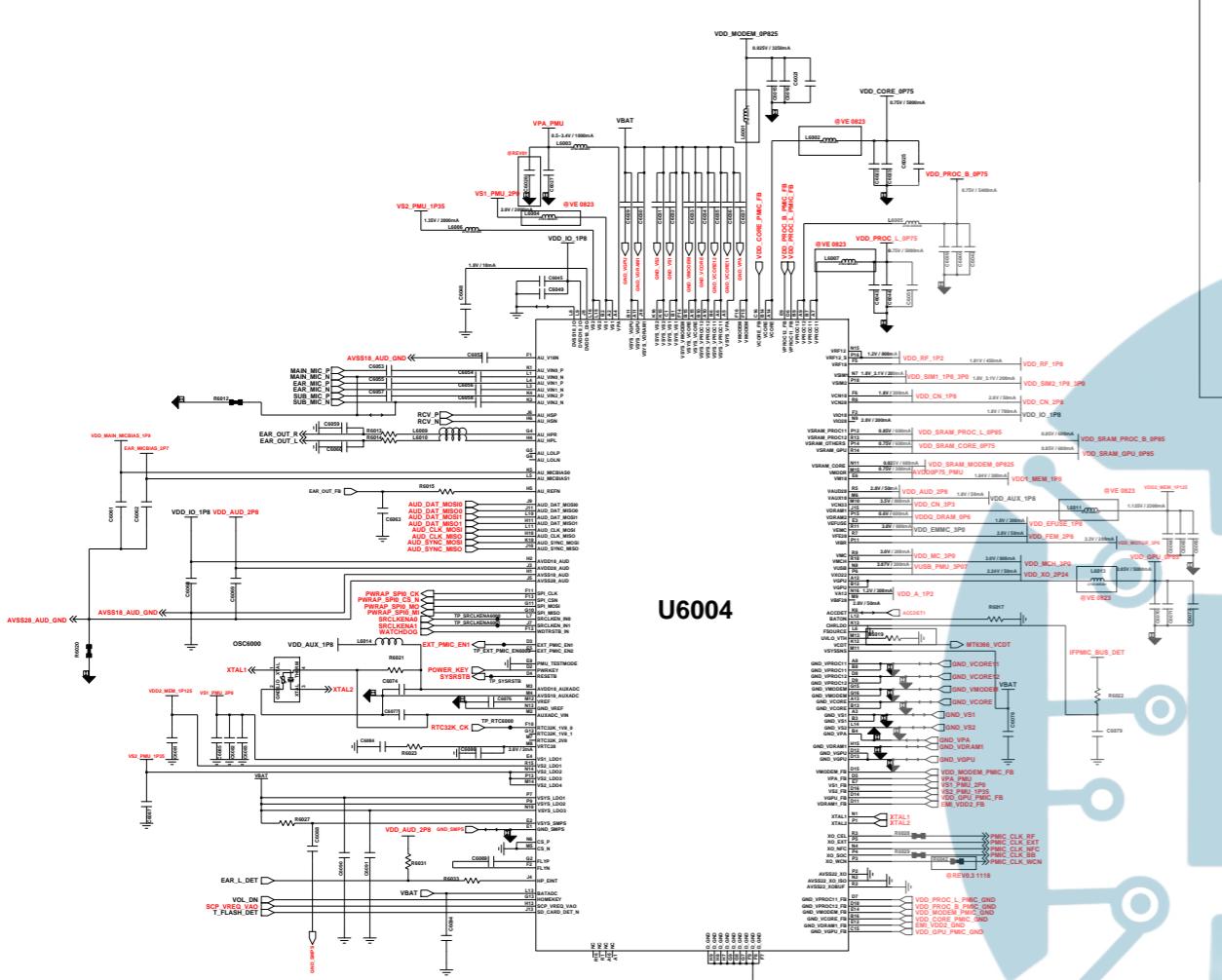
R5005  
OPEN

R5002  
OPEN

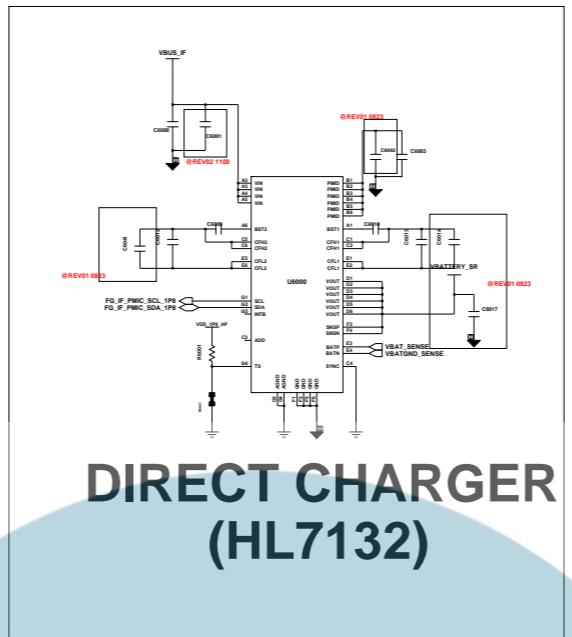
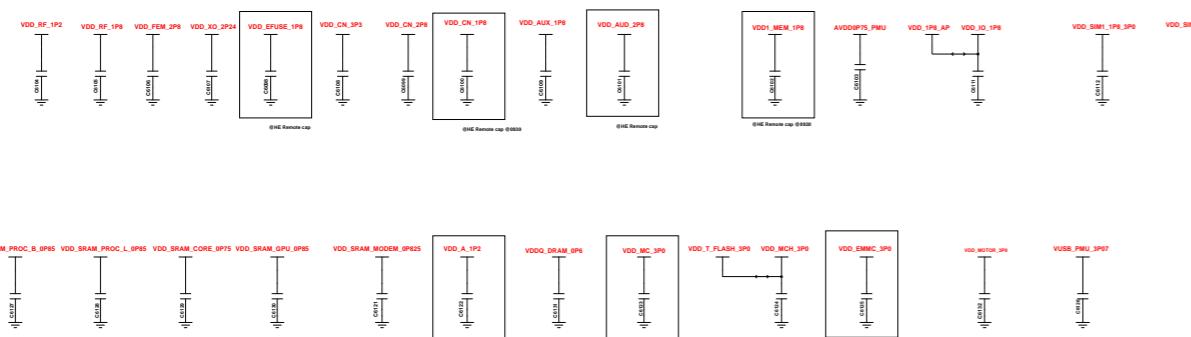
**4GB/128GB**  
**6GB/128GB**  
**8GB/128GB**



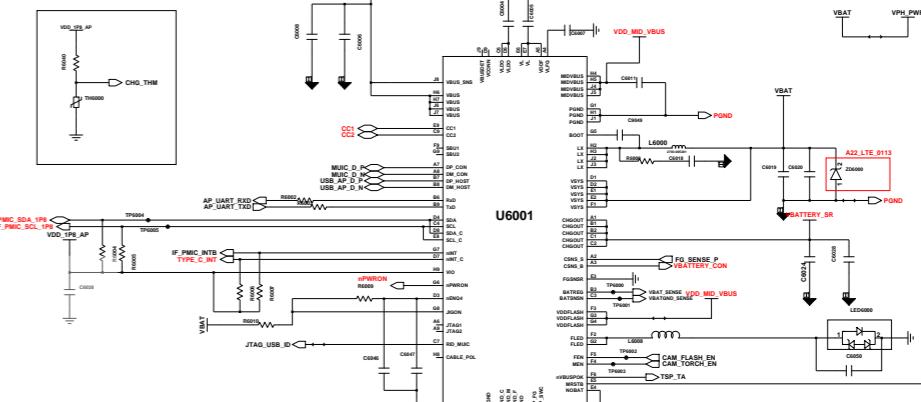
# PMIC (MT6366) IREPAIR



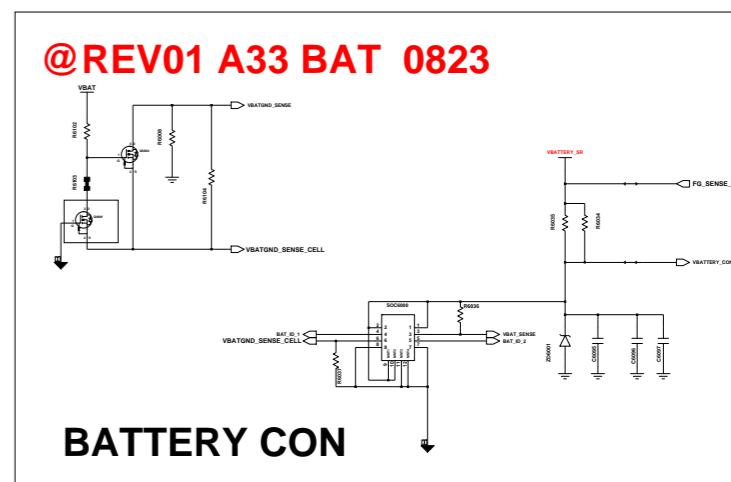
# PMIC LDO Decap



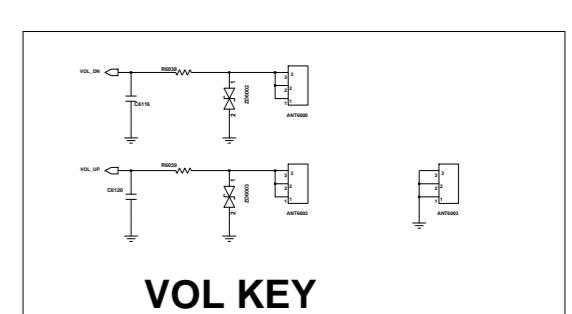
# **DIRECT CHARGER (HL7132)**



@REV01 A33 BAT 0823

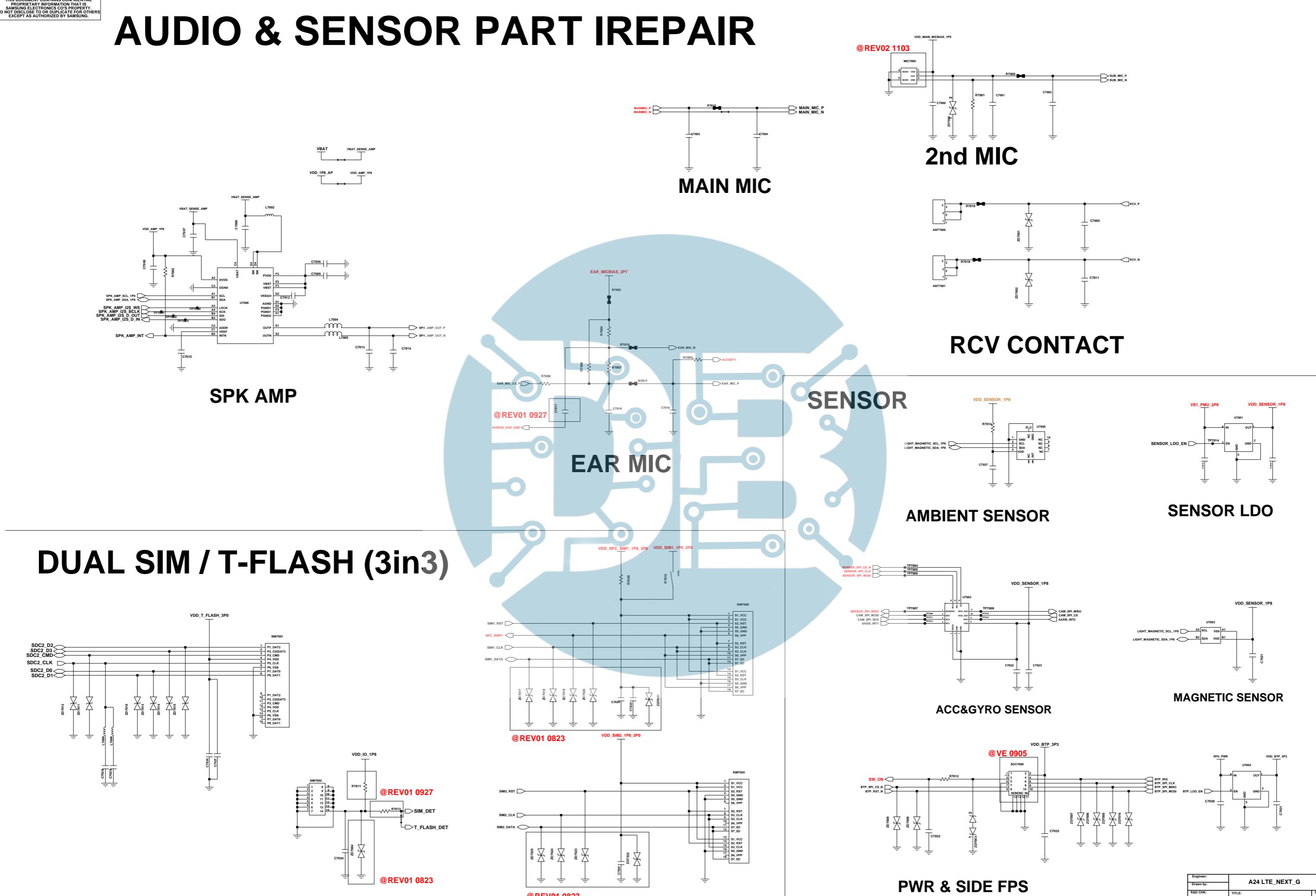


BATTERY CON

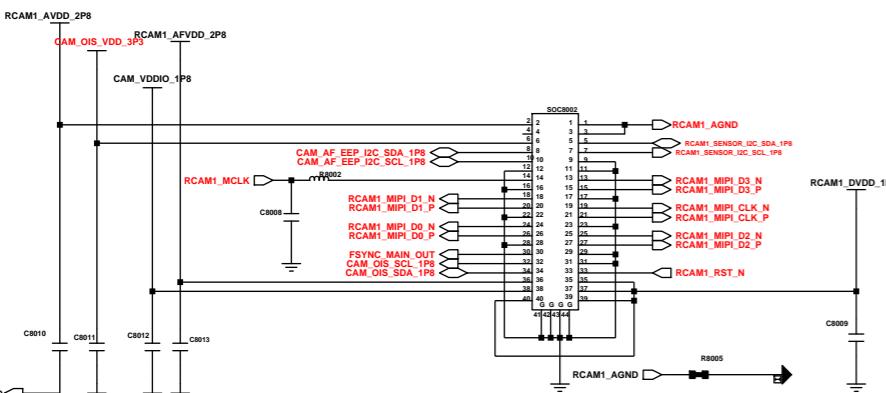


VOI KEY

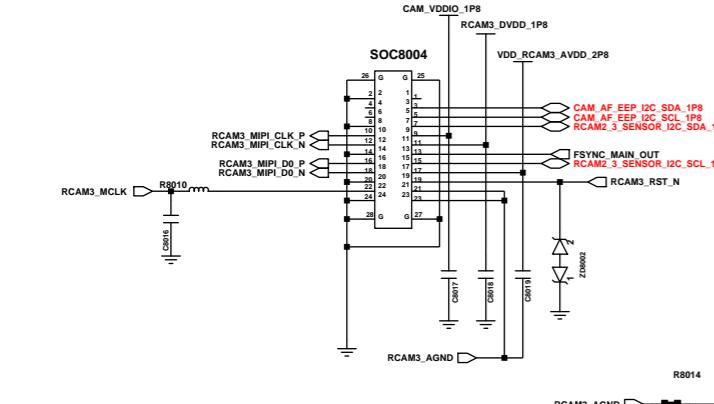
# AUDIO & SENSOR PART IREPAIR



# CAMERA IREPAIR

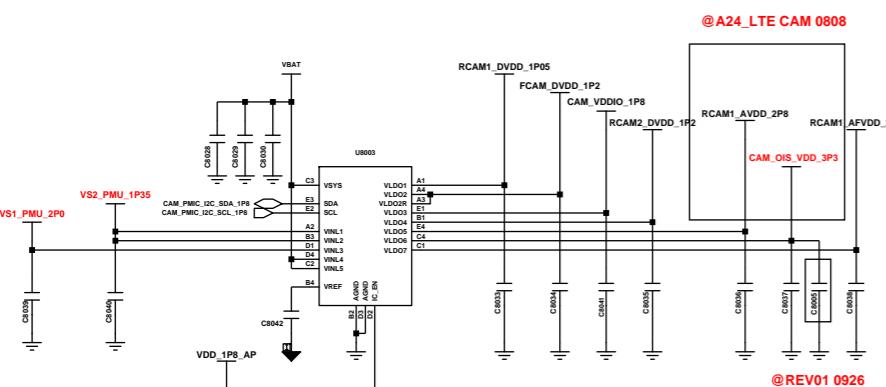


**RCAM1\_50M(OIS\_40PIN)**

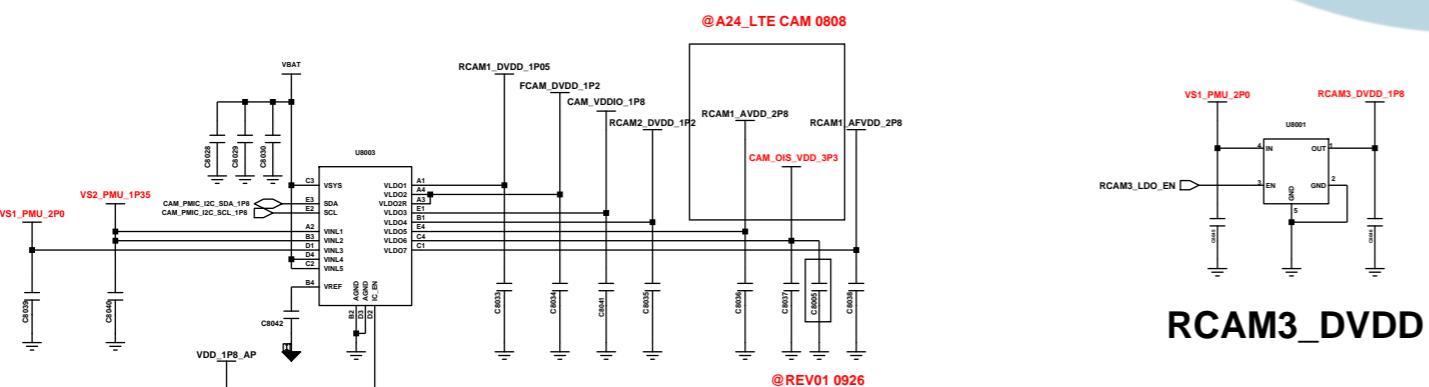


**RCAM2\_5M\_UW (30pin)\_GC5035**

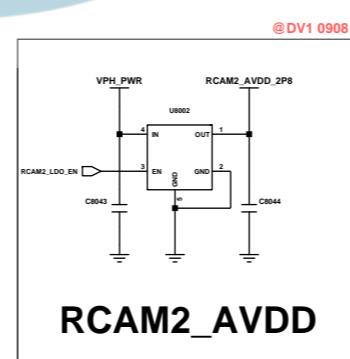
## CAM PMIC



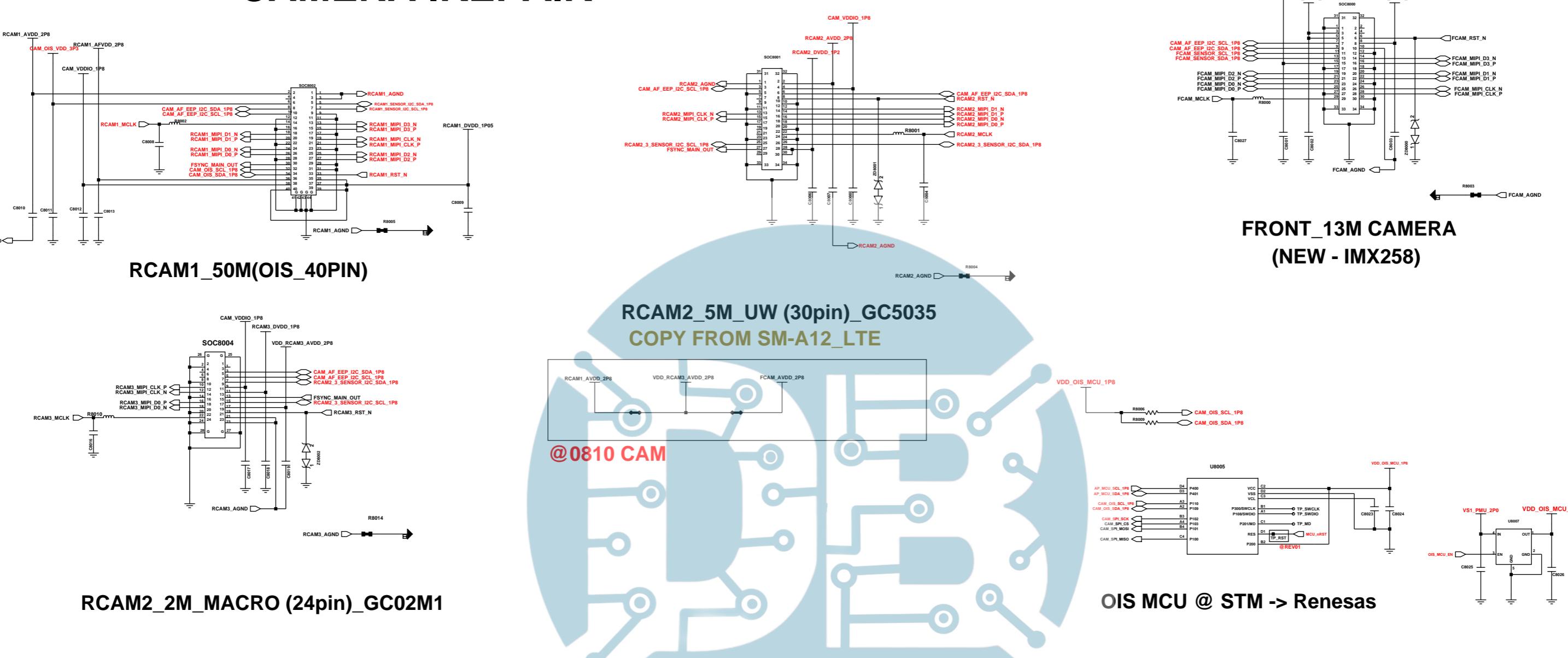
**COPY FROM SM-A13\_LTE**



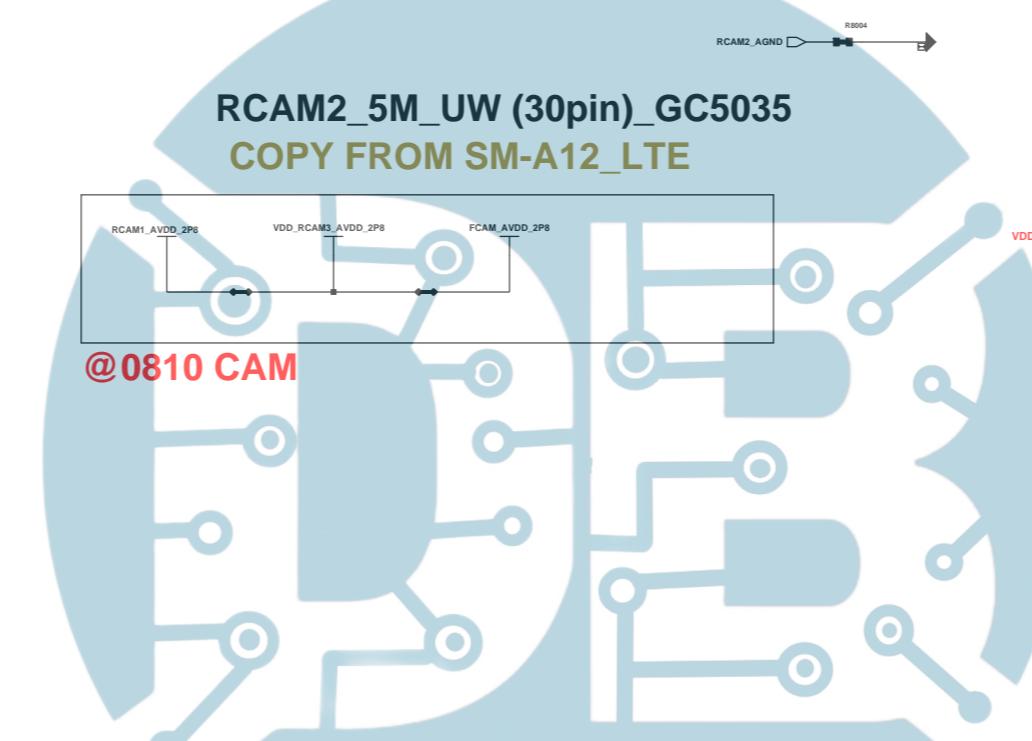
**RCAM3\_DVDD**



**RCAM2\_AVDD**



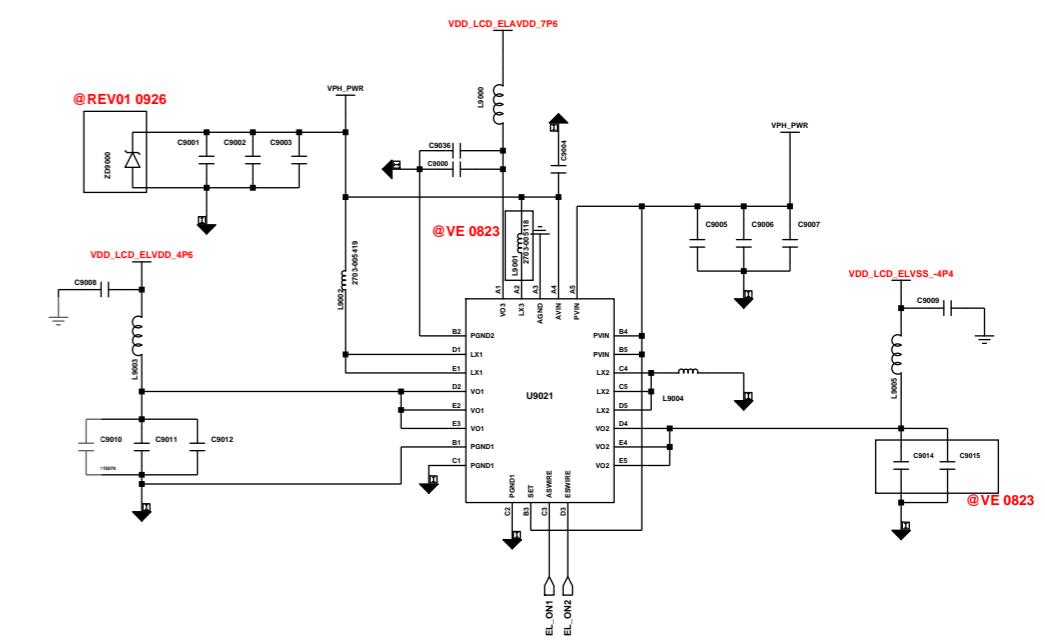
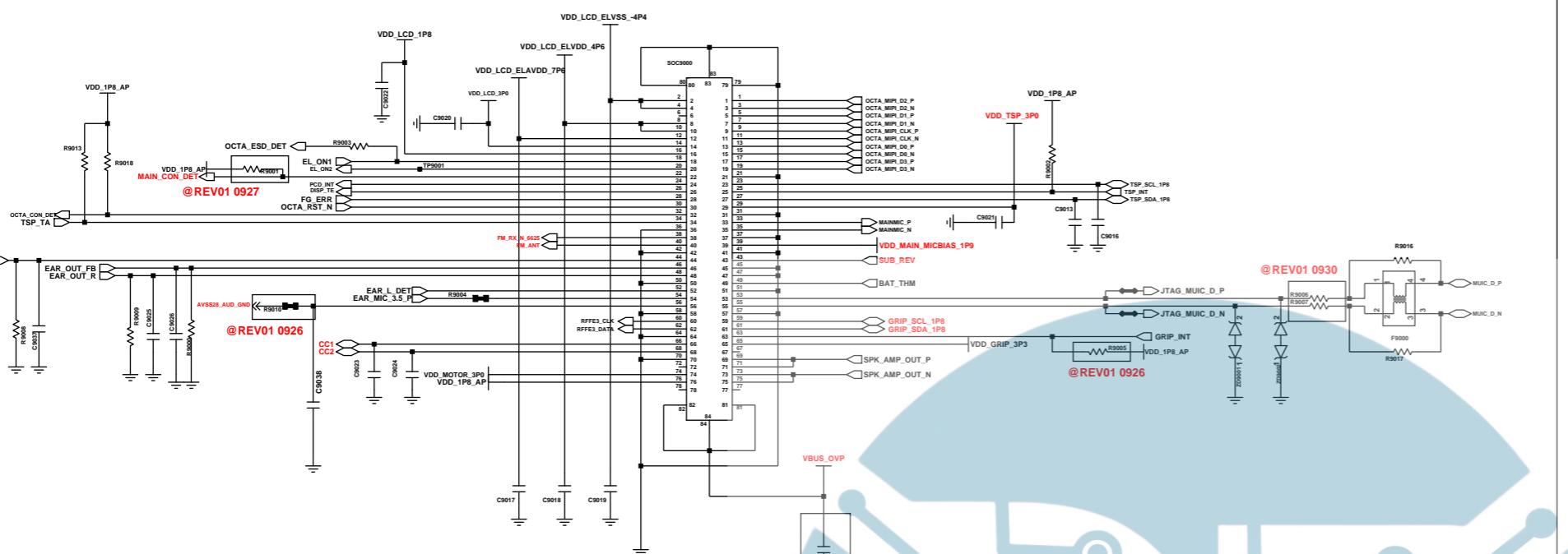
**FRONT\_13M CAMERA  
(NEW - IMX258)**



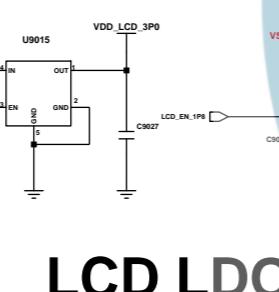
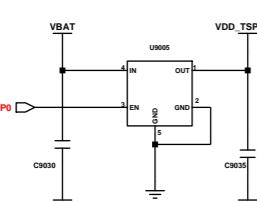
**OIS MCU @ STM -> Renesas**

# C2C (Conn to Conn FPCB) IREPAIR

# DISPLAY



OCTA DCDC



GRIP SENSOR LDO

SHIELD CAN/BOTH HOLE

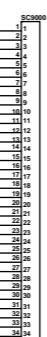
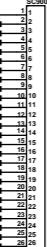


AP

MEM

RF

PMIC



Engineer:	A24 LTE_NEXT_G		
Drawn by:			Size:
REQ CHK:			TITLE:
DOC CTLR CHK:			MAIN CON / OCTA DCDC
MPG ENGR CHK:			
Changed by:	Date Changed:	Time Changed:	QA CHK:
REV:	7A2810	7A2810	
Drawing Number:			
Page:			

**SM-A245M**  
Common

**SIM7002**

**SIM7001**

**SIM7000**

**SIM7003**

**SC9001**

**UCP4000**

**UME5000**

**SOC8001**

**SOC5002**

**SOC8002**

Q6001 : soldering in the same direction as the figure

..... JTRG400 .....

..... JTRG401 .....

**CN4000**

