

SAMSUNG CONFIDENTIAL

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

A

B

C

D

E

F

G

H

1

2

3

4

5

6

7

8

9

10

11

12

# SM-J500FN REV0.4A

## (J5 EUR LTE)

SHEET 1 : RF PART

SHEET 2 : BT/WIFI, GPS, NFC

SHEET 3 : MSM8916

SHEET 4 : PM8916 (PMIC), IF PMIC, BAT, USB

SHEET 5 : eMCP, AUDIO, MOTOR, KEY

SHEET 6 : CAMERA, DISPLAY, SOCKET, JTAG

# SM-J500FN REV0.4A

## (J5 EUR LTE)

**SHEET 1 : RF PART**

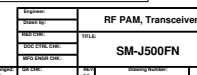
**SHEET 2 : BT/WIFI, GPS, NFC**

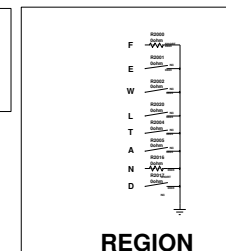
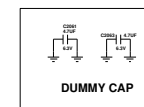
**SHEET 3 : MSM8916**

**SHEET 4 : PM8916 (PMIC), IF PMIC, BAT, USB**

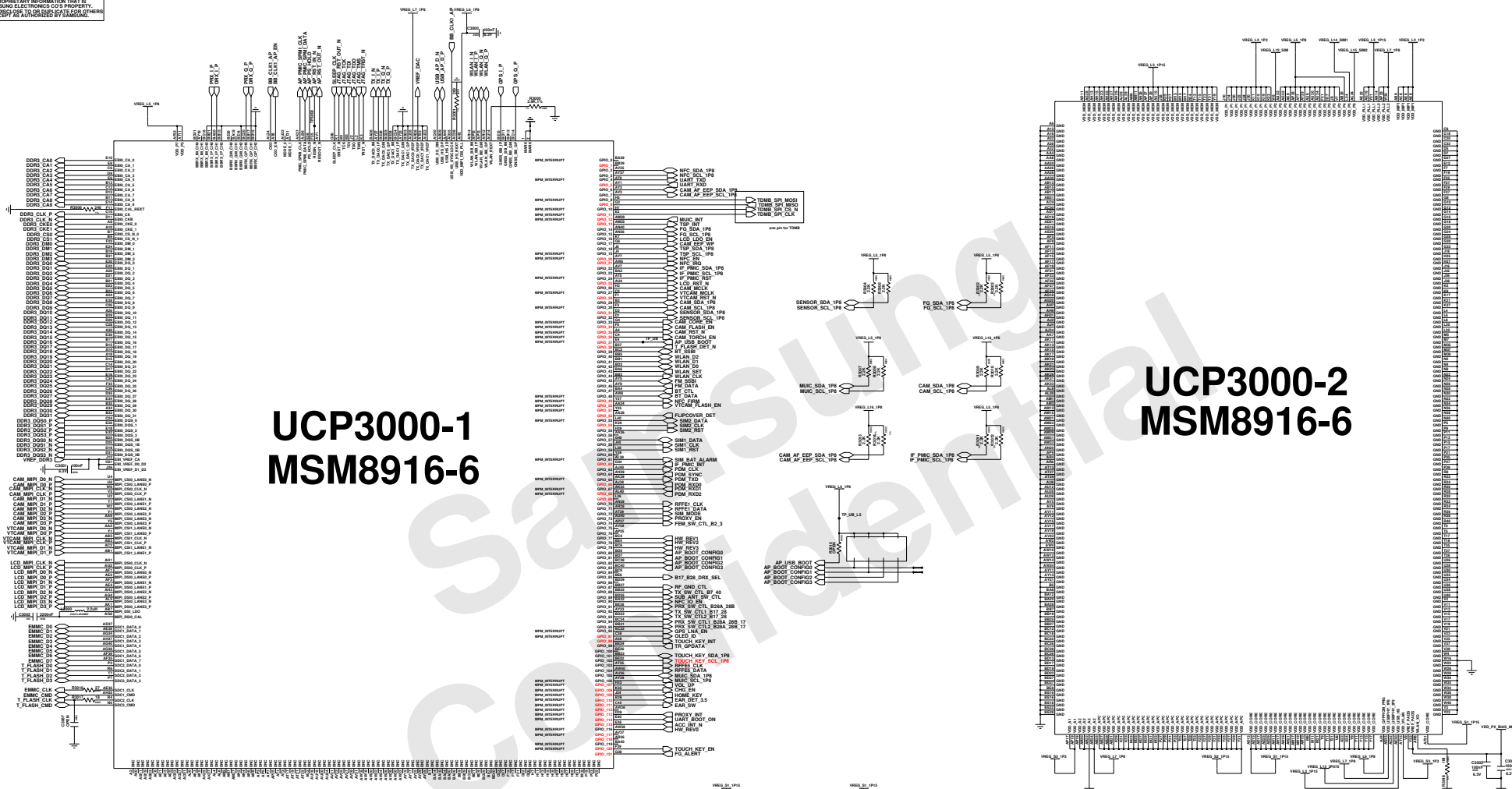
**SHEET 5 : eMCP, AUDIO, MOTOR, KEY**

**SHEET 6 : CAMERA, DISPLAY, SOCKET, JTAG**



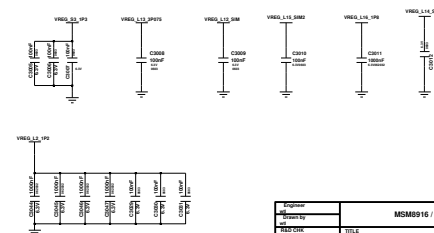
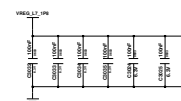
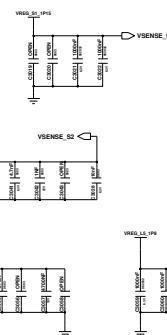
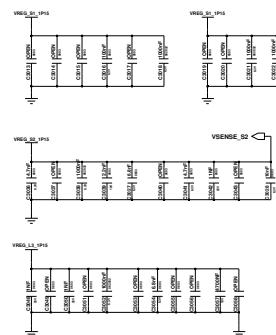
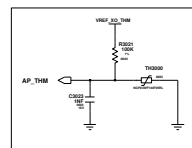
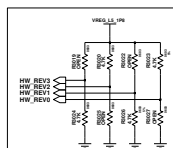
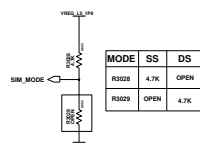


	R6017	R60
NFC	OPEN	SHO
non NFC	SHORT	OPE



**UCP3000-1**  
**MSM8916-6**

**UCP3000-2**  
**MSM8916-6**



#### BOOT CONFIGURATIONS

```
80 = EMERGENCY BOOT(SDC3 FOLLOWED BY USB HUB)
81 = SDC3 FOLLOWED BY SDC1
10 = SDC3 FOLLOWED BY SDC2
11 = SDC1+MMC, DEFAULT)
```

```
MSM Boot Config Pin : Internal PD
BOOT_CONFIG[0] = 0 Secure Boot
                = 1 Fast Boot
```

	HW_REV3	HW_REV2	HW_REV1	HW_REV0
REV0.0	L	L	L	L
REV0.1	L	L	L	H
CH0	L	L	H	L
SW Bring up	L	L	H	H
REV0.2	L	H	L	L
REV0.3(CTA)	L	H	L	H
REV0.4	L	H	H	L
REV0.5	L	H	H	H
REV0.6	H	L	L	L

Engineer	MSM8916 / AP
By	
Drawn by	
WFO	
WFO CHA	
TITLE	J5 REV0.0
DOC CTRL CHA	
MP ENGR CHA	

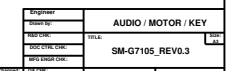
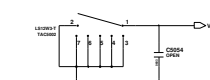
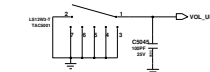
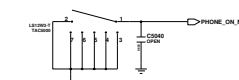
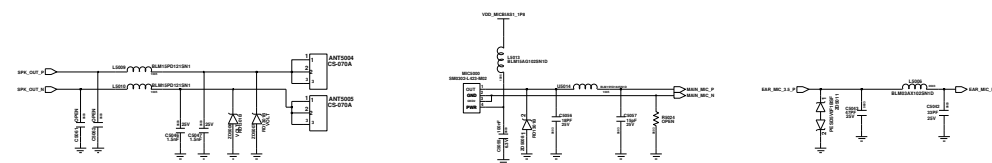
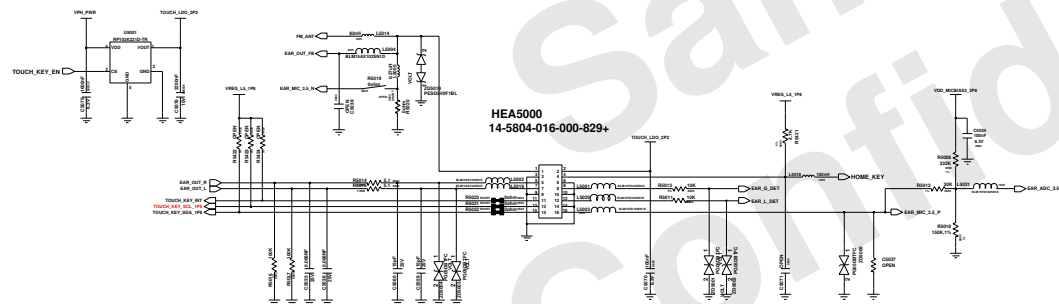
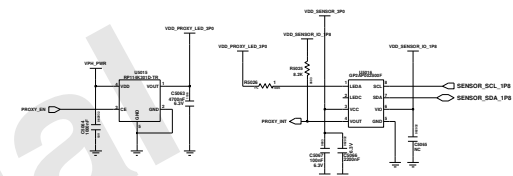
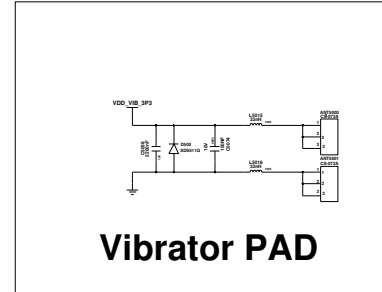
## USER INTERFACE PART



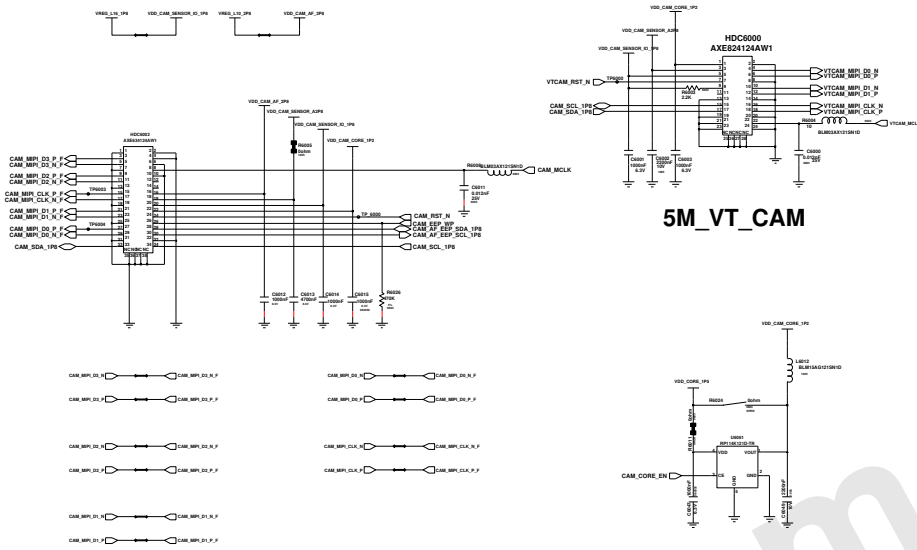
## USB Connector

**IF PMIC(MUIC+CHG+FG+BUCK+LDO)**

Engineer	PMIC / USER INTERFACE	
Drawn by:		
Rev'd CTR:	TITLE:	
DWG CTR: CTR:	J5 REV.0.0	
INFO & ITRG CTR:		
Issued by:	Revision Number	4.0



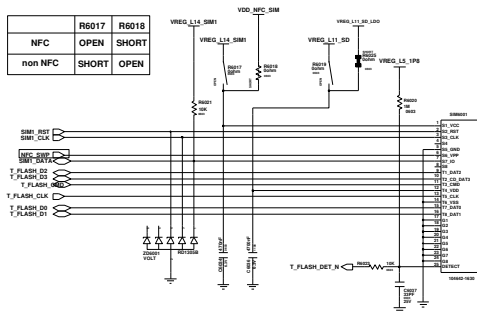
# CAMERA PART



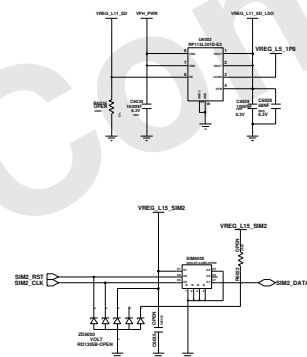
5M\_VT\_CAM

13M\_CAM Connector (MIPI)

# SIM / SD CARD PART

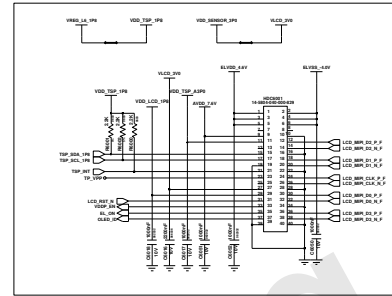


UIM1 / SD Card Connector

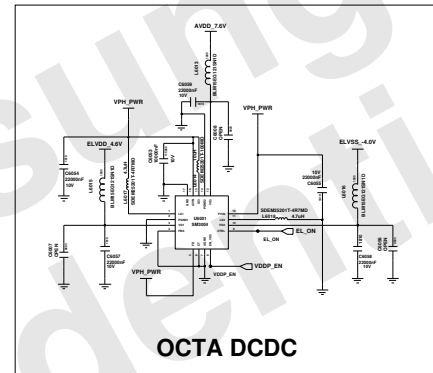


UIM2 Connector

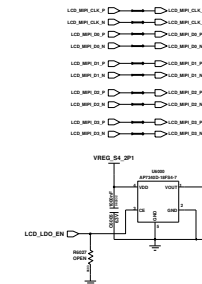
# DISPLAY PART



OCTA Connector



OCTA DCDC

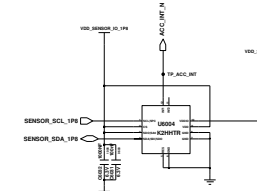


FRONT LED DRIVER

# SENSOR

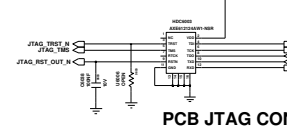


Hall IC



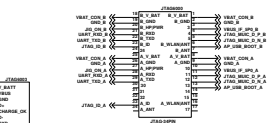
Accel. Sensor

# JTAGs



PCB JTAG CON

ARRAY JTAG



Part No.	Rev.	Rev. Date
2017.12.14	1.0	2017.12.14
2017.12.14	1.0	2017.12.14
2017.12.14	1.0	2017.12.14