

Samsung Galaxy A51 (SM-A515FM) Schematic Diagram



Diagram



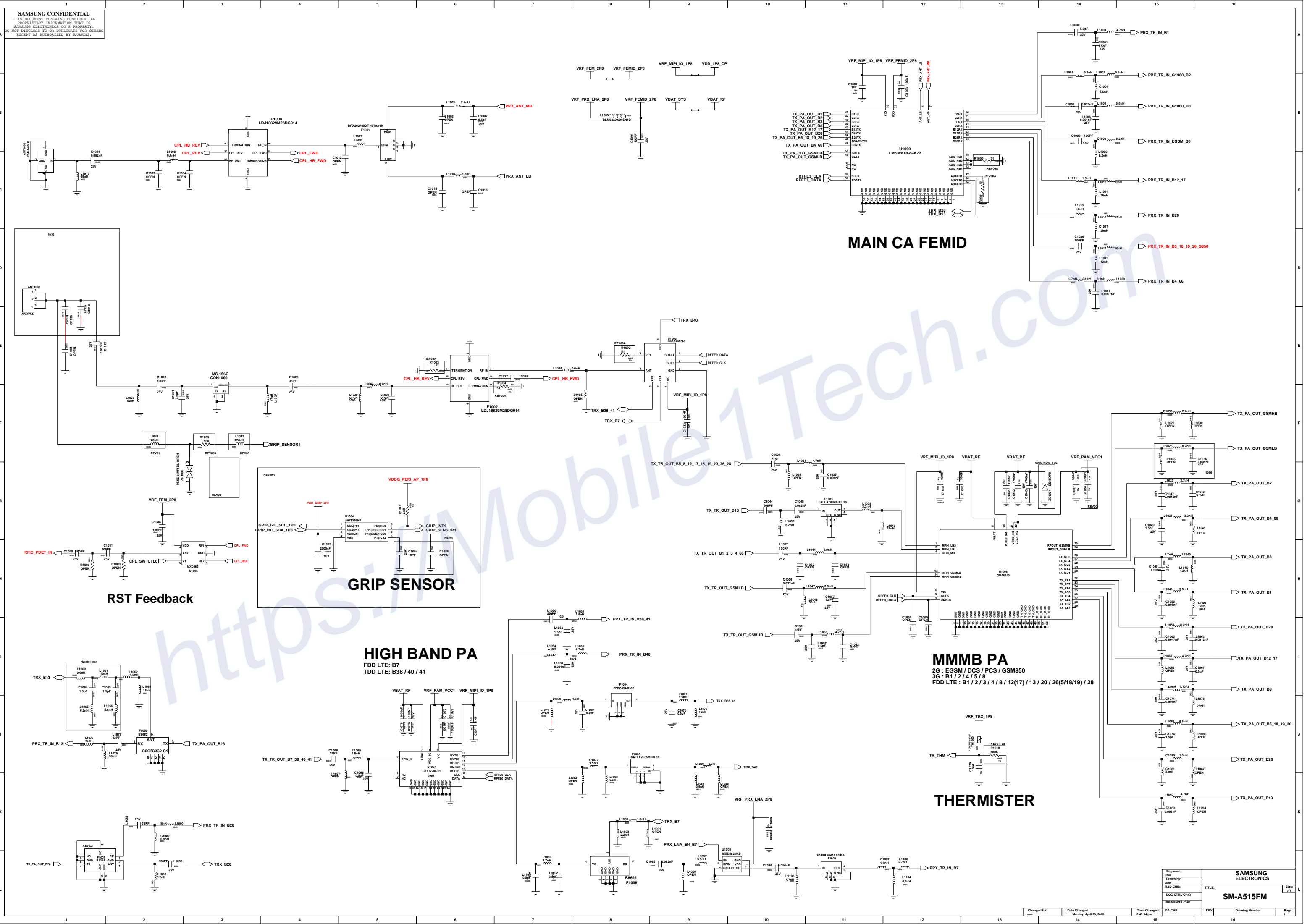
Schematic



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
<div><div>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.</div></div>																A		
																B		
<div>SM-A515FM_REV0.4</div>																C		
																D		
<div>Mobile1Tech.com2019.12.21</div>																E		
																F		
<div>sheet01 : GSM / WCDMA / LTE RF</div>																G		
<div>sheet02 : TRANCEIVER, DRX</div>																H		
<div>sheet03 : SENSORS, DMB/DTV, CONNECTIVITY</div>																I		
<div>sheet04 : AP(RAMEN+)</div>																J		
<div>sheet05 : PMIC(Main,IF), KEY, MOTOR, UFS</div>																K		
<div>sheet06 : AUDIO, SD/SIM, SHIELD CAN, IF CON</div>																L		
<div>sheet07 : CAMERA, DISPLAY</div>																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
													<div><div>Engineer:</div><div>Drawn by:</div><div>RED CHK:</div><div>DOC CTRL CHK:</div><div>MFG ENGGR CHK:</div></div>			<div><div>TITLE:</div><div>SM-A515FM</div></div>		<div><div>Size:</div><div>A1</div></div>
Changed by: saeB			Date Changed:			Time Changed:			QA CHK:			REV		Drawing Number:		Page: 6		

Engineer:			
Drawn By:			
R&D CHK:	TITLE: SM-A515FM		Size: A1
DOC CTRL CHK:			
MFG ENGR CHK:			
QA CHK:	REV:	Drawing Number:	Page: 6

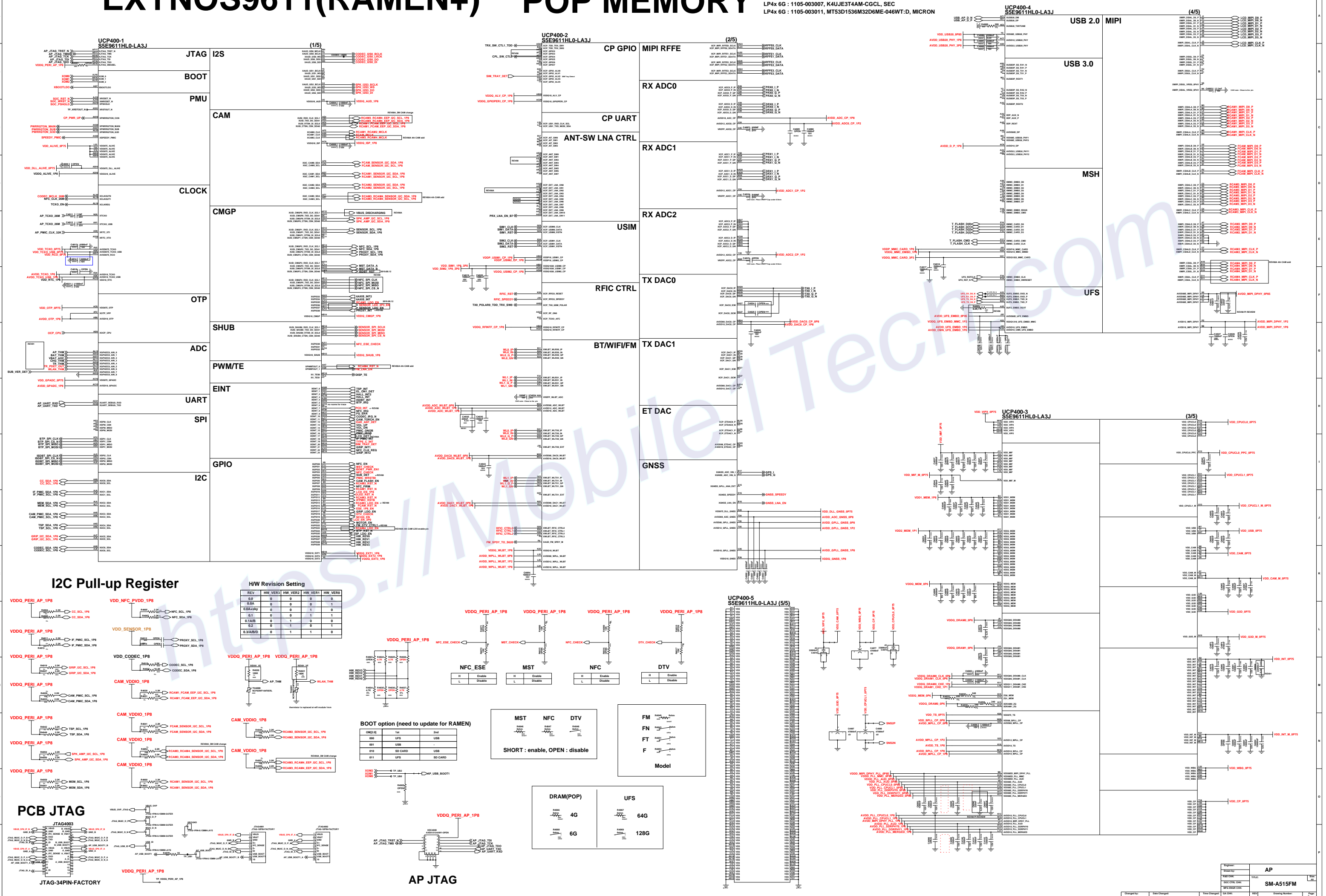
Changed by: user83	Date Changed:	Time Changed:
--------------------	---------------	---------------

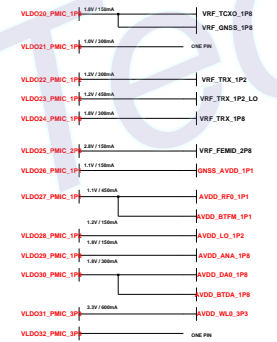
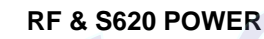
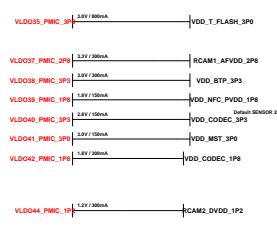
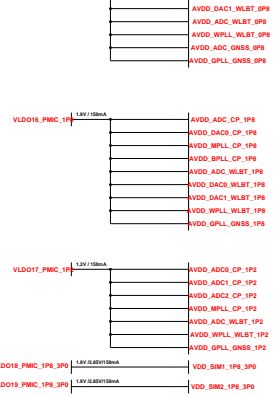


Page 3/7

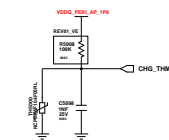
EXYNOS9611(RAMEN+) POP MEMORY

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

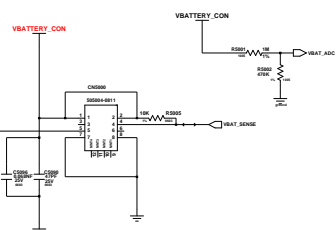




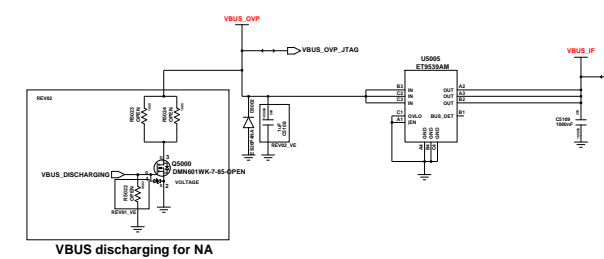
64GB : 1107-002536, KLUCG4J1ED-B0C1, SEC (0271)
64GB : 1107-002588, THGAF8G9T43BAIR, THOSIBA
128GB : 1107-002573, KLUDG4U1EA-B0C1, SEC
128GB : 1107-002611, THGAF8T0T43BAIR, THOSIBA



BATTERY CON



OVP CIRCUIT (FOR FAST CHARGING)



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

AUDIO CODEC

SPK AMP

Ear MIC

MAIN MIC

RCV CONTACT

VDD_CODEC_1P8
VDD_CODEC_3P3
VDD_EAR_MIC_2P7
VDD_MAIN_MICBIAS_2P7
VDD_SUB_MICBIAS_2P7
VDDQ_PERI_AP_1P8
VBAT_SYS
VOLT

U6001 ALC5665-GRT
U6000 RT5510WSC
U6007 BLM3D1025N1D
U6008 BLM3D1025N1D
U6009 ANT1000

SPK AMP
SPK_AMP_2C_SDA_1P8
SPK_AMP_2C_SCL_1P8
SPK_1253_DO
SPK_1253_WD
SPK_1253_BCLK
SPK_1253_L

Ear MIC
EAR_MIC_3.5_P
EAR_MIC_3.5_N
MAIN_MIC_P
MAIN_MIC_N
RCV_OUT_N
RCV_OUT_P

MAIN MIC
MAIN_MIC_P
MAIN_MIC_N
NEAR TO CODEC GND_ISOLATION

RCV CONTACT
RCV_OUT_N
RCV_OUT_P
NEAR TO CODEC GND_ISOLATION

2D BARCODE

BOTH HOLE

SH6000

SH6001

REV02

MAIN FPCB

SHIELD CAN

REV00A

**<DTV>
DTV DETECT OPEN**

Engineer:		QA CHK:	
Drawn by:		REV:	
RED CHK:		Drawing Number:	
DDC CTRL CHK:		Page:	1
MFG ENGR CHK:			

