



2014.10.14.

sheet01 : RF PAM

sheet02 : WTR1605L or WTR1605(TRANCEIVER), BT/WIFI, GPS, NFC

sheet03 : MSM8916 or MSM8216(AP)

sheet04 : PM8916(PMIC),eMCP

sheet05 : AUDIO, SUB PBA CONNECTOR

sheet06 : 5" HD OCTA, CAM PART, SD CARD, MOT

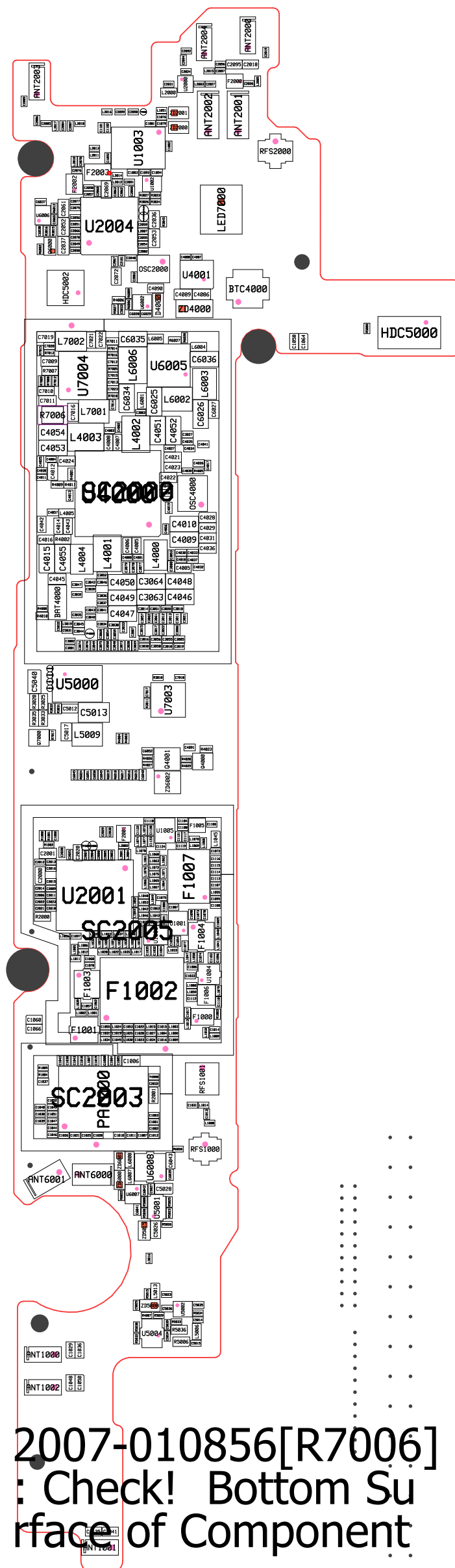
sheet07 : SENSOR, Charger, MUIC

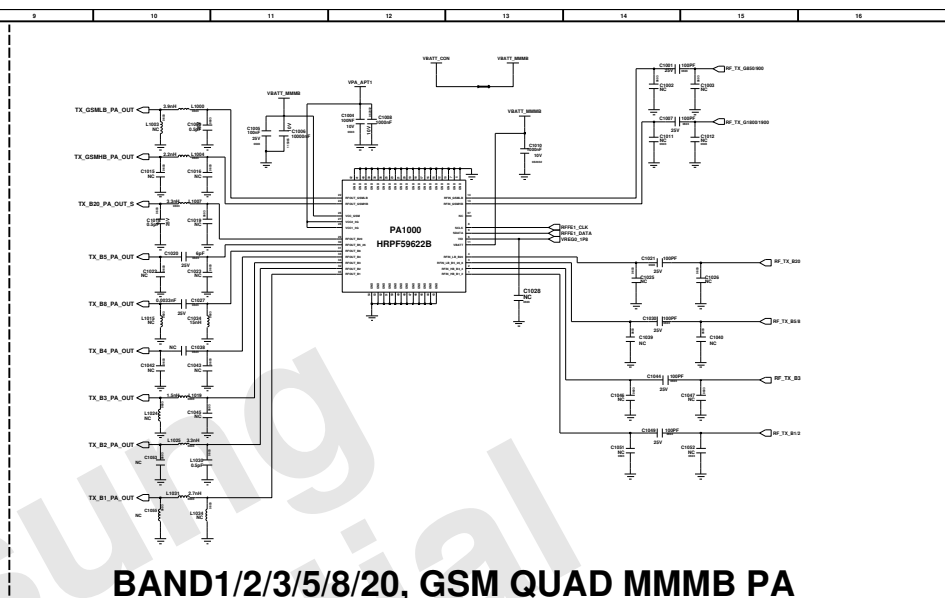
Engineer			
Drawn by			
R&D CHK	TITLE		
DOC CTRL CHK	SM-A500F(A5 EUR LTE		
MFG ENGR CHK			
QA CHK	REV	Drawing Number	Sheet

[<TOP>](#)

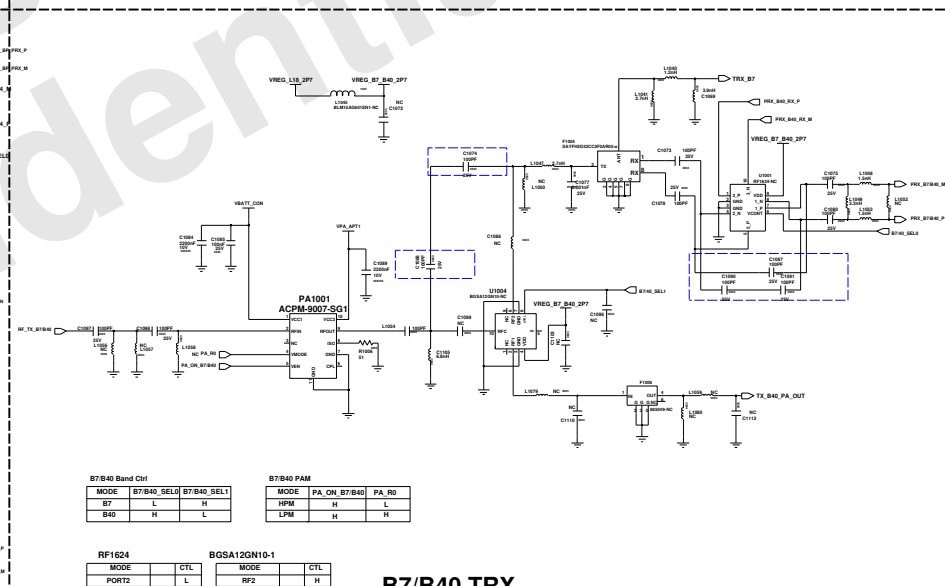


<Bottom>





BAND1/2/3/5/8/20, GSM QUAD MMBB PA



B7/B40 TRX

DIVERSITY (W-B1,5,8 / LTE-B1,3,5,7,8,20,40)

DRX_LNA			
MODE	DRX_SW_SEL1	DRX_SW_SEL2	LD0_LNA_EN
WB1/LB1	H	H	L
LB3	L	L	H
WB5/LB5	H	H	L
LB7	H	L	H
WB8/LB8	H	H	L
LB20	L	H	H
LB40(AUX2)	H	H	L
All Isolated	-	-	-

DRX FEMO				
MODE	Vc1	Vc2	Vc3	Vc4
WB1.LB1	H	H	H	H
LB3	H	H	L	L
WB5.LB5	H	L	H	L
LB7	H	H	H	L
WB8.LB8	H	L	H	H
LB20	H	H	L	H
LB40(AUX2)	H	L	L	L
All 1-decoded	1	1	1	1

MODE	B7/B40_SEL0	B7/B40_SEL1
B7	L	H
B40	H	L

MODE	PA_ON_B7/B40	PA_R0
HPM	H	L
LPM	H	H

RF1624		BGS	
MODE		CTL	
PORT2		L	
PORT3		M	

MODE	CTL
RF2	H
RF1	I

Engineer	AUDIO / MOTOR / KEY	
Drawn by:		
REV CTR:	TITLE:	Drawn by
DOC CTR CTR:	SM-A500F(A5 EUR LTE)	
MPG ENGR CTR:		
QA CTR:	Revision Number:	Rev

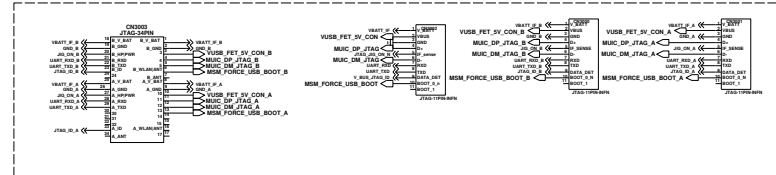


user120 swcad120 10.252.41.253 20141014-183752
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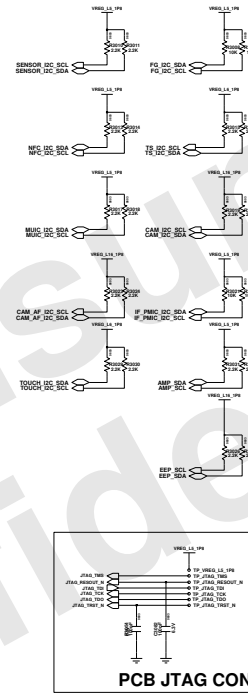
AP PART (MSM8916)

A5 Global	SHORT
SM-A500F/DS	E, D
SM-A500F/SS	E
SM-A500G/DS	G, D
SM-A500G/SS	G
SM-A500H/DS	H, D
SM-A500H/SS	H

PCB JTAG



Solder Bridge



PCB JTAG CON

UCP3000-1 MSM8916-6

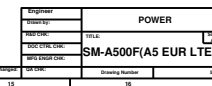
UCP3000-2 MSM8916-6

HW REVISION

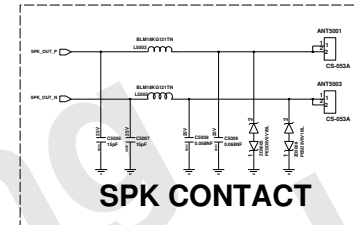
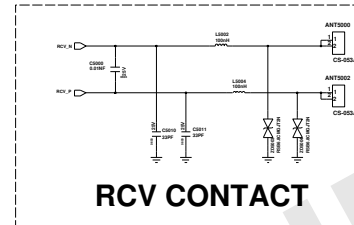
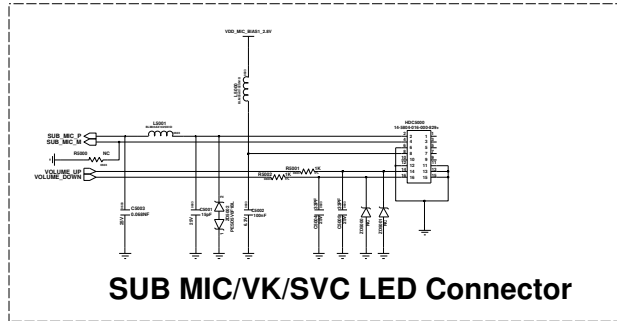
SM-A500F_H(A5 LTE)
0000 Bringup
0001 REV0.0
0010 REV0.1
0011 REV0.2
0100 REV0.3
0101 REV0.5 f
0110 REV0.6 g
0111 REV0.7 h
1000 REV0.8 i
1001 REV0.9 j
1010 REV1.0 k

B40 PLACE OX	DUAL_SIM_DET
High B40 X	High Dual
Low B40 O	Low Single

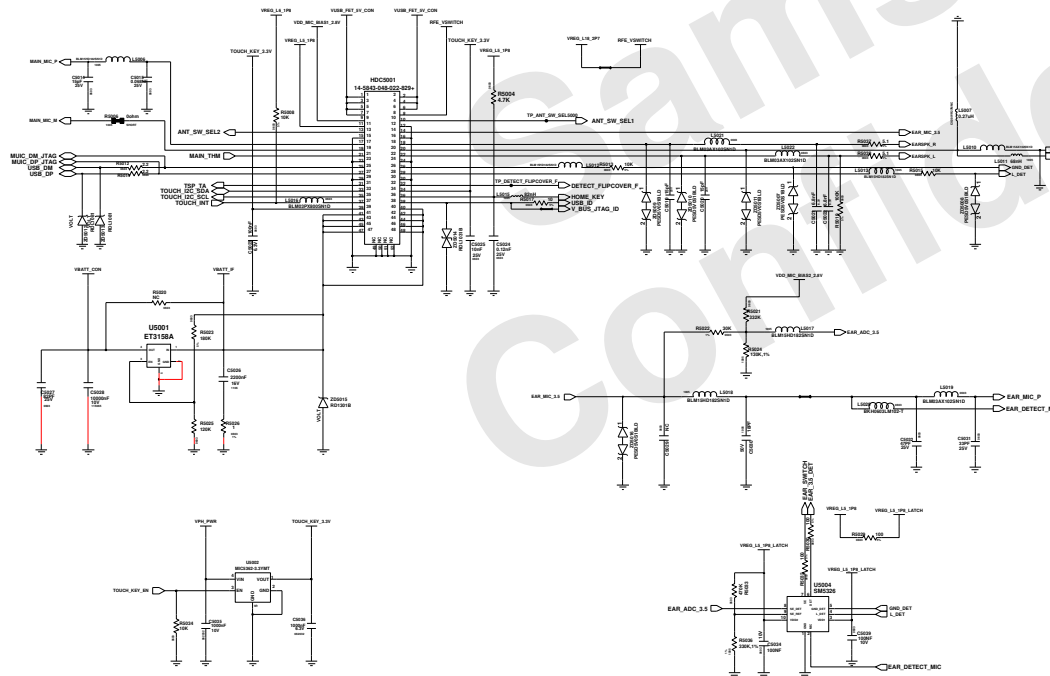
A5 Global	B40_SEL	SIM_SEL
SM-A500F/DS	1	1
SM-A500F/SS	1	0
SM-A500G/DS	0	1
SM-A500G/SS	0	0
SM-A500H/DS	NC	1
SM-A500H/SS	NC	0



AUDIO PART

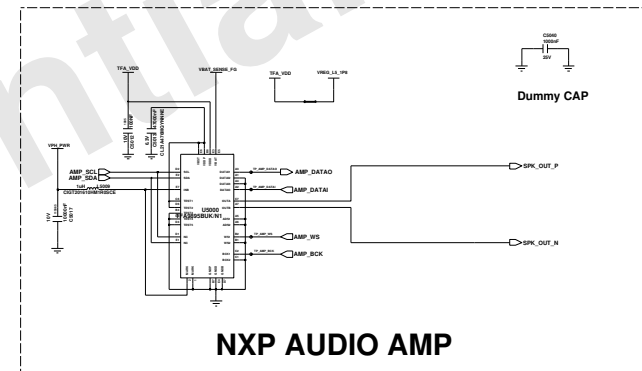


IF SUB PBA CONNECTOR

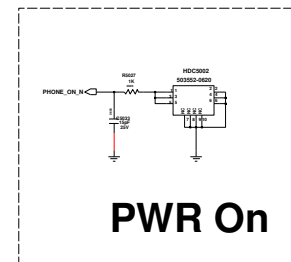


TOUCH KEY LDO

E/J DET IC



NXP AUDIO AMP

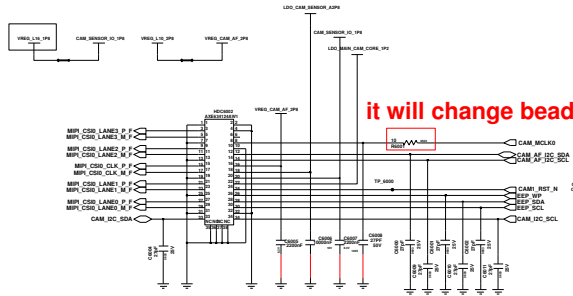


PWR On

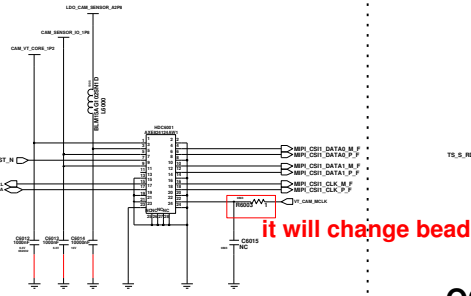
Engineer	AUDIO / MOTOR / KEY
Checker	
Ver. 0.01	DATE
Ver. 0.02	DATE
Ver. 0.03	DATE
Ver. 0.04	DATE
Ver. 0.05	DATE
Ver. 0.06	DATE
Ver. 0.07	DATE
Ver. 0.08	DATE
Ver. 0.09	DATE
Ver. 0.10	DATE
Ver. 0.11	DATE
Ver. 0.12	DATE
Ver. 0.13	DATE
Ver. 0.14	DATE
Ver. 0.15	DATE
Ver. 0.16	DATE
Ver. 0.17	DATE
Ver. 0.18	DATE
Ver. 0.19	DATE
Ver. 0.20	DATE

CAMERA PART

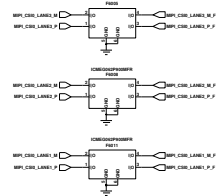
13M_CAM Connector (MIPI)



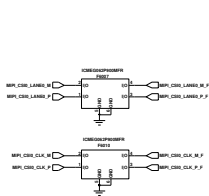
5M_VT_CAM



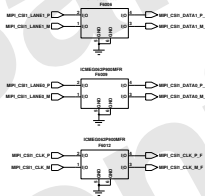
MAIN_CAM_A_LDO



MAIN_CAM_CORE_LDO



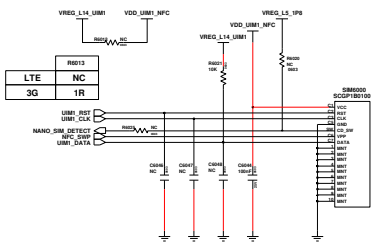
VT CAM LDO



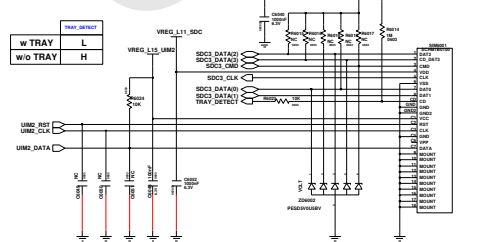
MAIN_CAM_EMI_FILTER

VT_CAM_EMI_FILTER

SIM / SD CARD PART

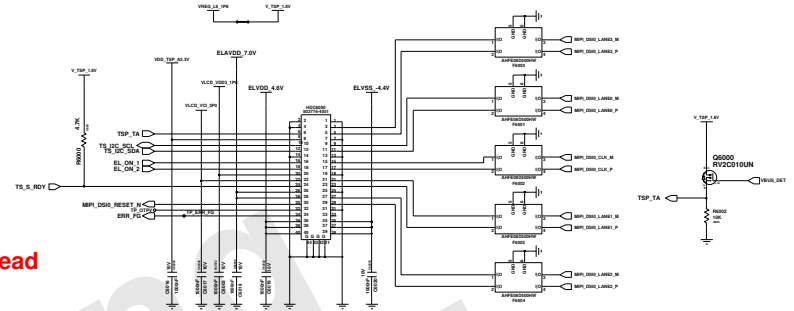


TRAY NANO SIM1 SOCKET

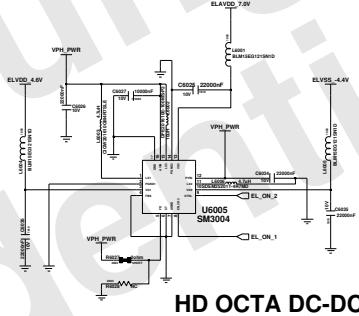


TRAY HYBRID(SIM2/SD) SOCKET

DISPLAY PART

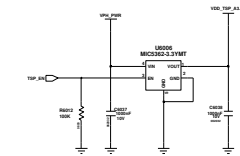


OCTA CONN



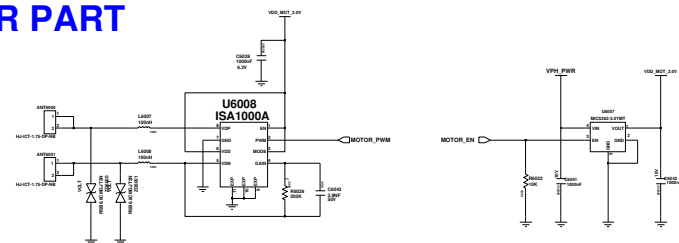
HD OCTA DC-DC

OCTA LDO



TSP LDO

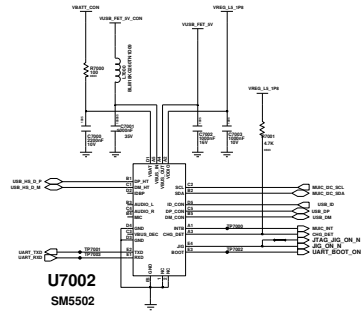
MOTOR PART



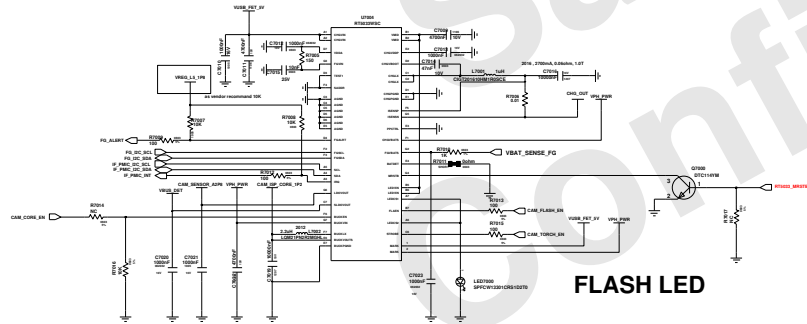
Haptic Driver

MOTOR LDO(150mA)

Part No.	CAMERA / LCD / SIM/SD CON
Rev.	1.0
Doc. Title	SM-A500F(A5 EUR LTE)
Doc. No.	SM-A500F(A5 EUR LTE)
Rev.	1.0

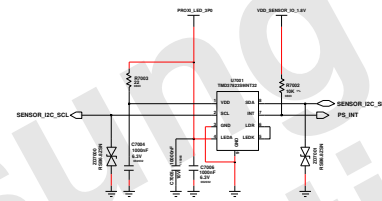


MUIC



FLASH LED

IF PMIC (RT5033 @ Richtek)
(Charger / Fuel Gauge / Flash LED / CAM DCDC)



Proximity Detector

