



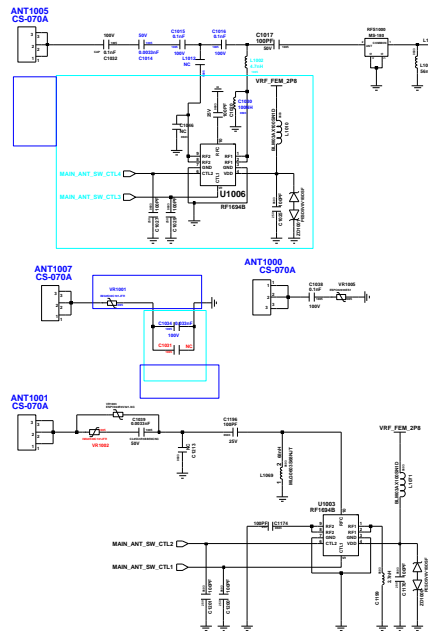
A800J_REV0.2

2015.10.03

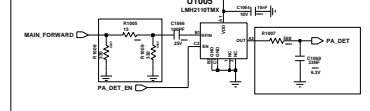
- sheet01 : GSM / WCDMA / LTE RF
- sheet02 : TRANSCEIVER(SHNNON933) / CP(SHANNON333) / CP PMIC
- sheet03 : BT/WIFI / GPS / FELICA / Full Seg
- sheet04 : AP (EXYNOS5433 - HELSINKI PRIME)
- sheet05 : PMIC / IF PMIC / Audio Codec / Audio AMP / E/P / BATTERY CON
- sheet06 : SIM / SD / BTP / SENSOR / OCTA / CAM / UPPER SUB

1. RF Part

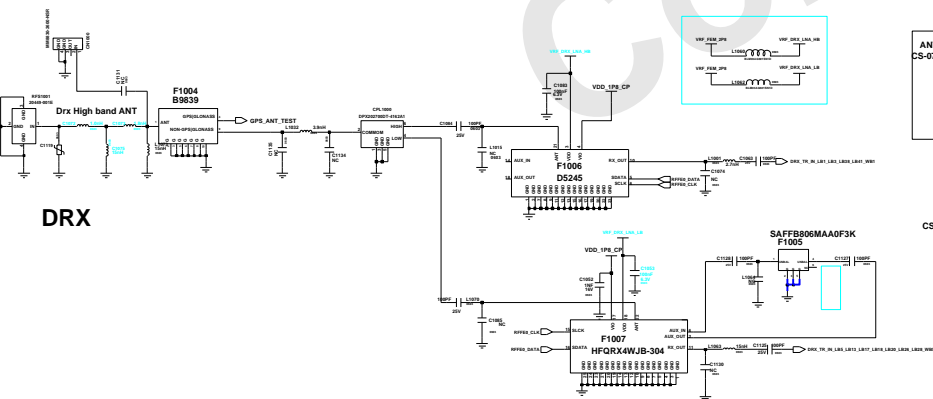
MAIN ANT



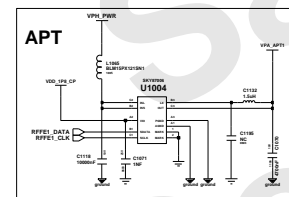
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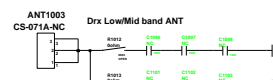
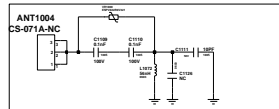
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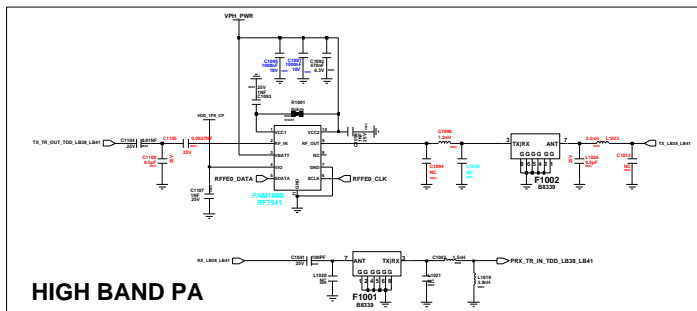
MAIN CA FEMID



BAND20



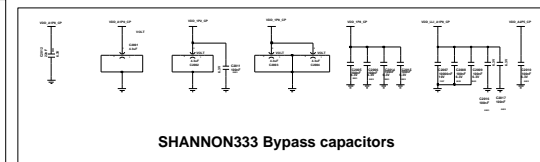
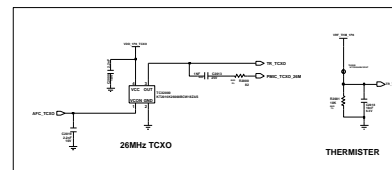
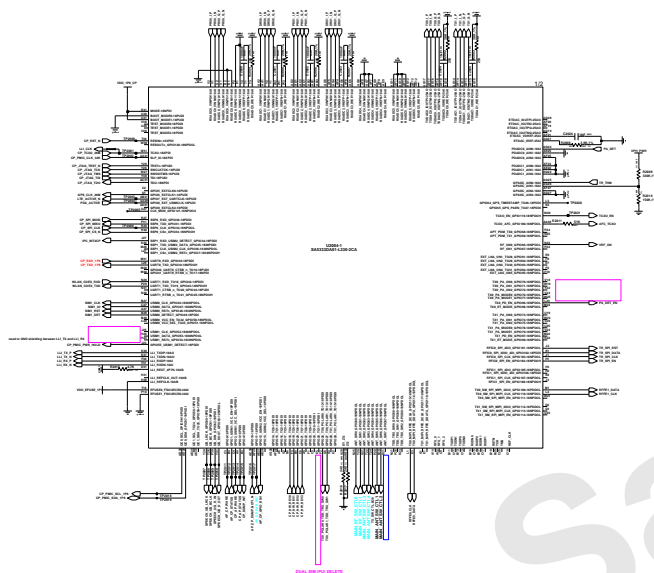
HIGH BAND PA



Project	RF
Version	1.0
Doc Name	RF
Doc Date	2015.10.22
Doc Rev	1.0
Doc No	A8_KDDI
Doc Rev	1.0
Doc No	1022-143210

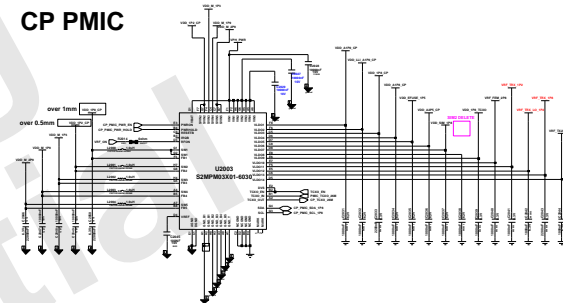
STANDARD CONFIDENTIAL

CP PART (S333)

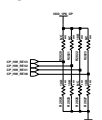


(Power / GND part)

CP PMIC



CP HW VER

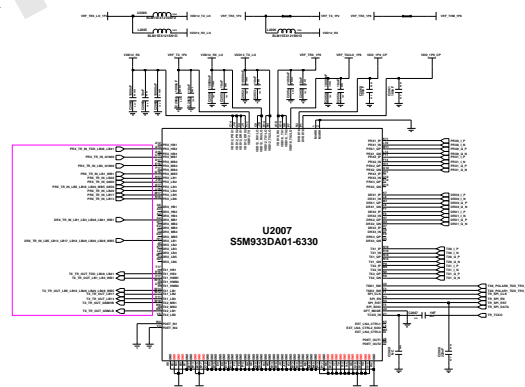


REV00	0000
REV01	0001
REV02	0010

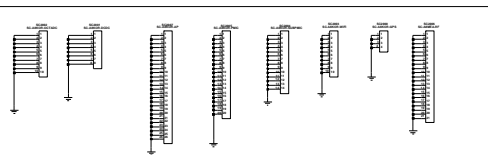
CP JTAG



TRANSCEIVER



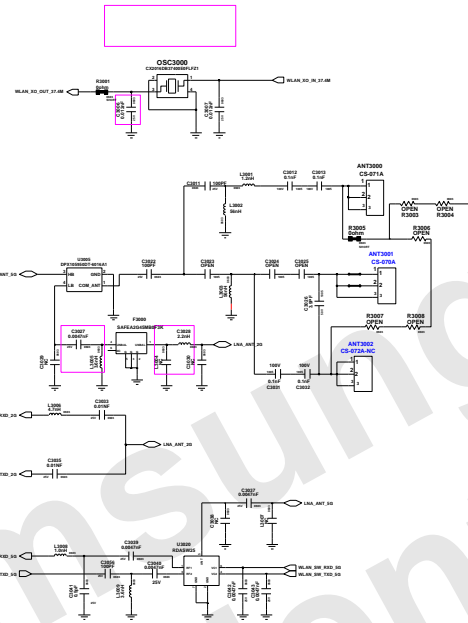
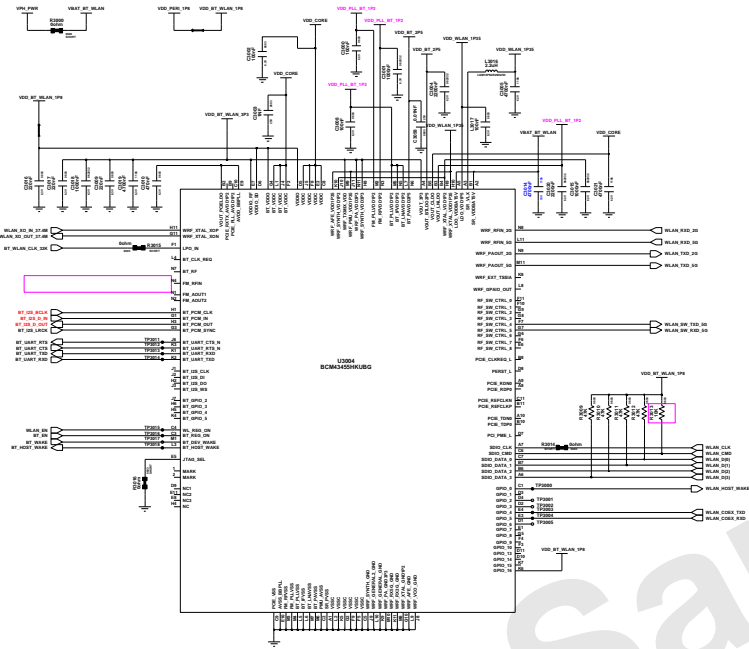
SHIELD CAN



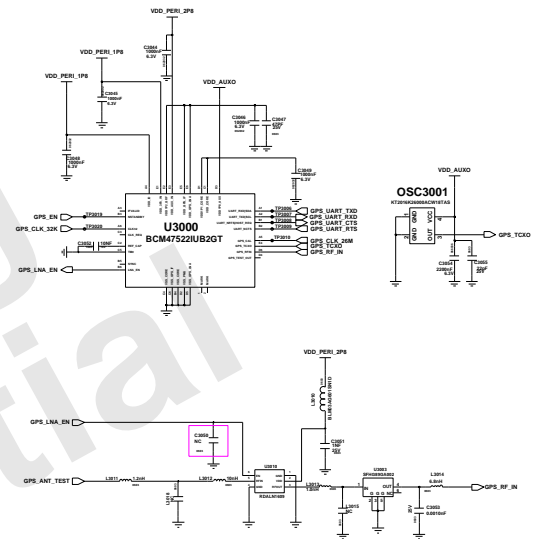
CP / CP PMIC
AS_KDDI

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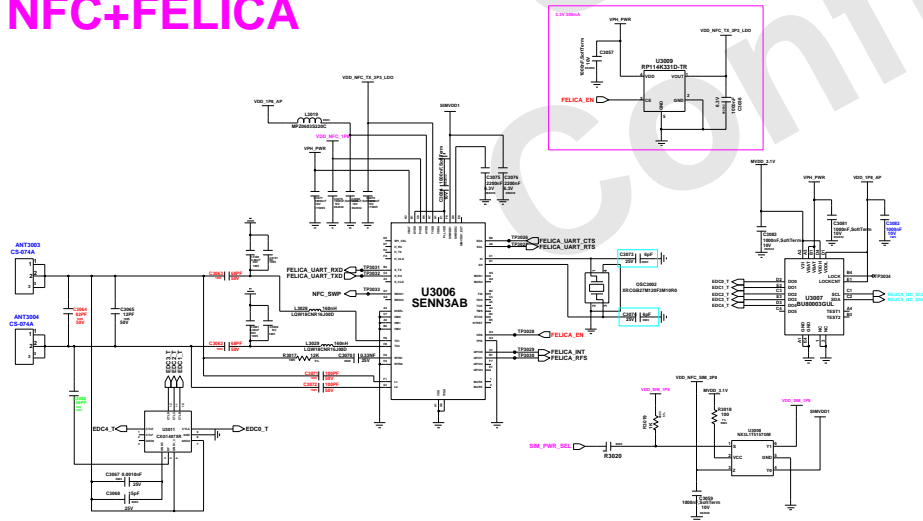
BT/WIFI



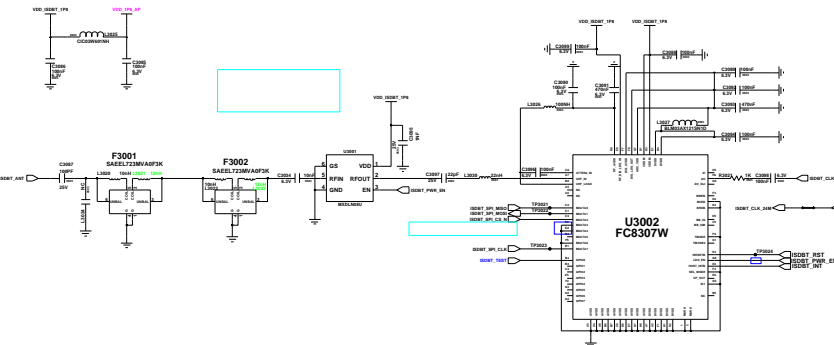
GPS / GNSS



NFC+FELICA



ISDBT



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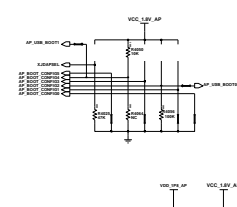
The schematic diagram illustrates the internal circuitry of the UCP4008-3 SC55433AKJ-A040. It shows the connection of various power and signal pins to the internal components, including the UCP4008-3 IC and the SC55433AKJ-A040 IC. The diagram includes the following components and connections:

- Power Pins:** VDD_12V_AP, VDD_12V_LPS, VDD_12V_1PS, VDD_12V_2PS, VDD_12V_3PS, VDD_12V_4PS, VDD_12V_5PS, VDD_12V_6PS, VDD_12V_7PS, VDD_12V_8PS, VDD_12V_9PS, VDD_12V_10PS, VDD_12V_11PS, VDD_12V_12PS, VDD_12V_13PS, VDD_12V_14PS, VDD_12V_15PS, VDD_12V_16PS, VDD_12V_17PS, VDD_12V_18PS, VDD_12V_19PS, VDD_12V_20PS, VDD_12V_21PS, VDD_12V_22PS, VDD_12V_23PS, VDD_12V_24PS, VDD_12V_25PS, VDD_12V_26PS, VDD_12V_27PS, VDD_12V_28PS, VDD_12V_29PS, VDD_12V_30PS, VDD_12V_31PS, VDD_12V_32PS, VDD_12V_33PS, VDD_12V_34PS, VDD_12V_35PS, VDD_12V_36PS, VDD_12V_37PS, VDD_12V_38PS, VDD_12V_39PS, VDD_12V_40PS, VDD_12V_41PS, VDD_12V_42PS, VDD_12V_43PS, VDD_12V_44PS, VDD_12V_45PS, VDD_12V_46PS, VDD_12V_47PS, VDD_12V_48PS, VDD_12V_49PS, VDD_12V_50PS, VDD_12V_51PS, VDD_12V_52PS, VDD_12V_53PS, VDD_12V_54PS, VDD_12V_55PS, VDD_12V_56PS, VDD_12V_57PS, VDD_12V_58PS, VDD_12V_59PS, VDD_12V_60PS, VDD_12V_61PS, VDD_12V_62PS, VDD_12V_63PS, VDD_12V_64PS, VDD_12V_65PS, VDD_12V_66PS, VDD_12V_67PS, VDD_12V_68PS, VDD_12V_69PS, VDD_12V_70PS, VDD_12V_71PS, VDD_12V_72PS, VDD_12V_73PS, VDD_12V_74PS, VDD_12V_75PS, VDD_12V_76PS, VDD_12V_77PS, VDD_12V_78PS, VDD_12V_79PS, VDD_12V_80PS, VDD_12V_81PS, VDD_12V_82PS, VDD_12V_83PS, VDD_12V_84PS, VDD_12V_85PS, VDD_12V_86PS, VDD_12V_87PS, VDD_12V_88PS, VDD_12V_89PS, VDD_12V_90PS, VDD_12V_91PS, VDD_12V_92PS, VDD_12V_93PS, VDD_12V_94PS, VDD_12V_95PS, VDD_12V_96PS, VDD_12V_97PS, VDD_12V_98PS, VDD_12V_99PS, VDD_12V_100PS, VDD_12V_101PS, VDD_12V_102PS, VDD_12V_103PS, VDD_12V_104PS, VDD_12V_105PS, VDD_12V_106PS, VDD_12V_107PS, VDD_12V_108PS, VDD_12V_109PS, VDD_12V_110PS, VDD_12V_111PS, VDD_12V_112PS, VDD_12V_113PS, VDD_12V_114PS, VDD_12V_115PS, VDD_12V_116PS, VDD_12V_117PS, VDD_12V_118PS, VDD_12V_119PS, VDD_12V_120PS, VDD_12V_121PS, VDD_12V_122PS, VDD_12V_123PS, VDD_12V_124PS, VDD_12V_125PS, VDD_12V_126PS, VDD_12V_127PS, VDD_12V_128PS, VDD_12V_129PS, VDD_12V_130PS, VDD_12V_131PS, VDD_12V_132PS, VDD_12V_133PS, VDD_12V_134PS, VDD_12V_135PS, VDD_12V_136PS, VDD_12V_137PS, VDD_12V_138PS, VDD_12V_139PS, VDD_12V_140PS, VDD_12V_141PS, VDD_12V_142PS, VDD_12V_143PS, VDD_12V_144PS, VDD_12V_145PS, VDD_12V_146PS, VDD_12V_147PS, VDD_12V_148PS, VDD_12V_149PS, VDD_12V_150PS, VDD_12V_151PS, VDD_12V_152PS, VDD_12V_153PS, VDD_12V_154PS, VDD_12V_155PS, VDD_12V_156PS, VDD_12V_157PS, VDD_12V_158PS, VDD_12V_159PS, VDD_12V_160PS, VDD_12V_161PS, VDD_12V_162PS, VDD_12V_163PS, VDD_12V_164PS, VDD_12V_165PS, VDD_12V_166PS, VDD_12V_167PS, VDD_12V_168PS, VDD_12V_169PS, VDD_12V_170PS, VDD_12V_171PS, VDD_12V_172PS, VDD_12V_173PS, VDD_12V_174PS, VDD_12V_175PS, VDD_12V_176PS, VDD_12V_177PS, VDD_12V_178PS, VDD_12V_179PS, VDD_12V_180PS, VDD_12V_181PS, VDD_12V_182PS, VDD_12V_183PS, VDD_12V_184PS, VDD_12V_185PS, VDD_12V_186PS, VDD_12V_187PS, VDD_12V_188PS, VDD_12V_189PS, VDD_12V_190PS, VDD_12V_191PS, VDD_12V_192PS, VDD_12V_193PS, VDD_12V_194PS, VDD_12V_195PS, VDD_12V_196PS, VDD_12V_197PS, VDD_12V_198PS, VDD_12V_199PS, VDD_12V_200PS, VDD_12V_201PS, VDD_12V_202PS, VDD_12V_203PS, VDD_12V_204PS, VDD_12V_205PS, VDD_12V_206PS, VDD_12V_207PS, VDD_12V_208PS, VDD_12V_209PS, VDD_12V_210PS, VDD_12V_211PS, VDD_12V_212PS, VDD_12V_213PS, VDD_12V_214PS, VDD_12V_215PS, VDD_12V_216PS, VDD_12V_217PS, VDD_12V_218PS, VDD_12V_219PS, VDD_12V_220PS, VDD_12V_221PS, VDD_12V_222PS, VDD_12V_223PS, VDD_12V_224PS, VDD_12V_225PS, VDD_12V_226PS, VDD_12V_227PS, VDD_12V_228PS, VDD_12V_229PS, VDD_12V_230PS, VDD_12V_231PS, VDD_12V_232PS, VDD_12V_233PS, VDD_12V_234PS, VDD_12V_235PS, VDD_12V_236PS, VDD_12V_237PS, VDD_12V_238PS, VDD_12V_239PS, VDD_12V_240PS, VDD_12V_241PS, VDD_12V_242PS, VDD_12V_243PS, VDD_12V_244PS, VDD_12V_245PS, VDD_12V_246PS, VDD_12V_247PS, VDD_12V_248PS, VDD_12V_249PS, VDD_12V_250PS, VDD_12V_251PS, VDD_12V_252PS, VDD_12V_253PS, VDD_12V_254PS, VDD_12V_255PS, VDD_12V_256PS, VDD_12V_257PS, VDD_12V_258PS, VDD_12V_259PS, VDD_12V_260PS, VDD_12V_261PS, VDD_12V_262PS, VDD_12V_263PS, VDD_12V_264PS, VDD_12V_265PS, VDD_12V_266PS, VDD_12V_267PS, VDD_12V_268PS, VDD_12V_269PS, VDD_12V_270PS, VDD_12V_271PS, VDD_12V_272PS, VDD_12V_273PS, VDD_12V_274PS, VDD_12V_275PS, VDD_12V_276PS, VDD_12V_277PS, VDD_12V_278PS, VDD_12V_279PS, VDD_12V_280PS, VDD_12V_281PS, VDD_12V_282PS, VDD_12V_283PS, VDD_12V_284PS, VDD_12V_285PS, VDD_12V_286PS, VDD_12V_287PS, VDD_12V_288PS, VDD_12V_289PS, VDD_12V_290PS, VDD_12V_291PS, VDD_12V_292PS, VDD_12V_293PS, VDD_12V_294PS, VDD_12V_295PS, VDD_12V_296PS, VDD_12V_297PS, VDD_12V_298PS, VDD_12V_299PS, VDD_12V_300PS, VDD_12V_301PS, VDD_12V_302PS, VDD_12V_303PS, VDD_12V_304PS, VDD_12V_305PS, VDD_12V_306PS, VDD_12V_307PS, VDD_12V_308PS, VDD_12V_309PS, VDD_12V_310PS, VDD_12V_311PS, VDD_12V_312PS, VDD_12V_313PS, VDD_12V_314PS, VDD_12V_315PS, VDD_12V_316PS, VDD_12V_317PS, VDD_12V_318PS, VDD_12V_319PS, VDD_12V_320PS, VDD_12V_321PS, VDD_12V_322PS, VDD_12V_323PS, VDD_12V_324PS, VDD_12V_325PS, VDD_12V_326PS, VDD_12V_327PS, VDD_12V_328PS, VDD_12V_329PS, VDD_12V_330PS, VDD_12V_331PS, VDD_12V_332PS, VDD_12V_333PS, VDD_12V_334PS, VDD_12V_335PS, VDD_12V_336PS, VDD_12V_337PS,

**UCP4000-1
SC55433AKJ-A040**

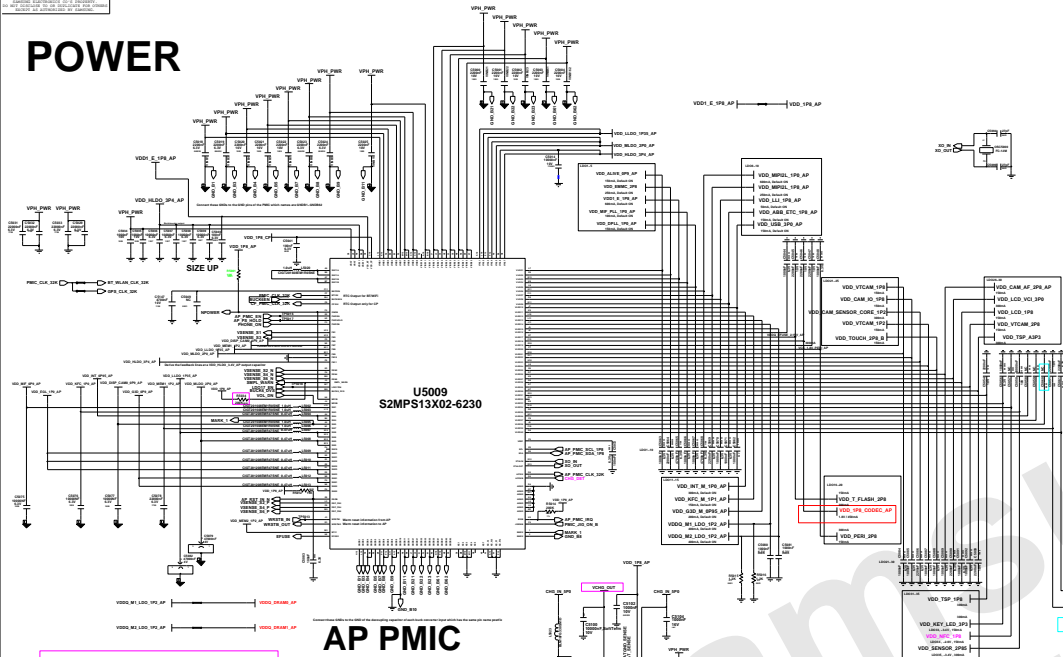
MSB	REV0	REV1	REV2	LSB
0000	0000	0000	0000	0000
0001	0001	0001	0001	0001
0010	0010	0010	0010	0010
0011	0011	0011	0011	0011
0100	0100	0100	0100	0100
0101	0101	0101	0101	0101
0110	0110	0110	0110	0110
0111	0111	0111	0111	0111
1000	1000	1000	1000	1000
1001	1001	1001	1001	1001
1010	1010	1010	1010	1010
1011	1011	1011	1011	1011
1100	1100	1100	1100	1100
1101	1101	1101	1101	1101
1110	1110	1110	1110	1110
1111	1111	1111	1111	1111

OM[4:1]=0000 : 1st eMMC + 2nd USB Booting
OM[4:1]=0001 : SD / MMC + 2nd USB Booting
OM[4:1]=0100 : 1st eMMC + 2nd USB Booting
OM[4:1]=0101 : 1st UFS + 2nd USB Booting
OM[4:1]=1000 : 1st eMMC + 2nd SD/MMC Booting

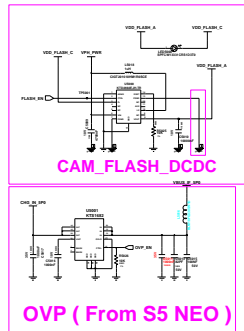


STANDARD CONFIDENTIAL

POWER

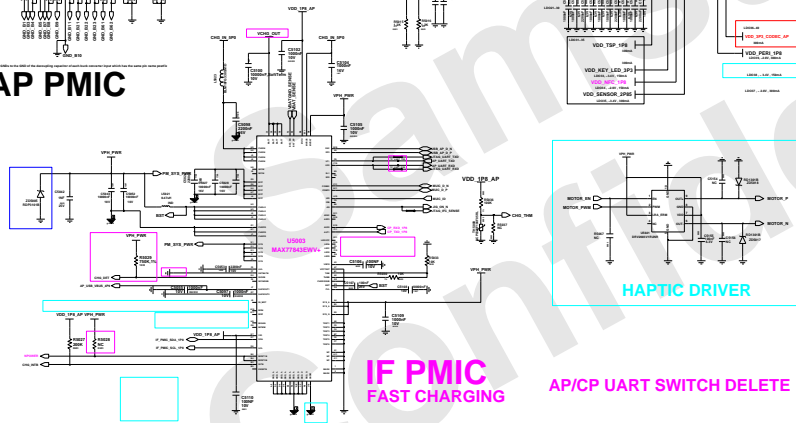


AP PMIC



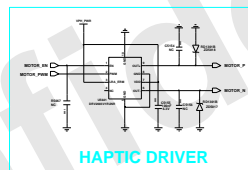
CAM_FLASH_DCDC

OVP (From S5 NEO)



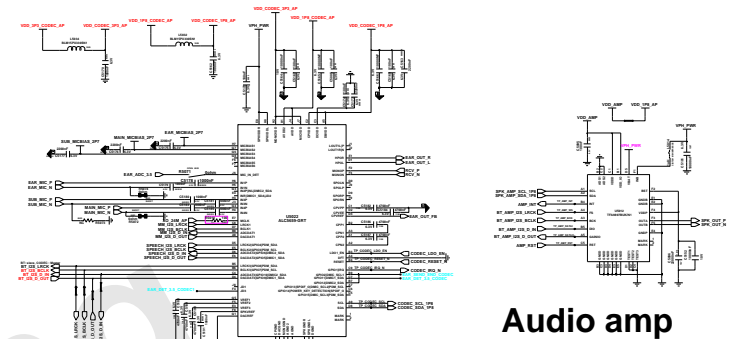
IF PMIC FAST CHARGING

AP/CP UART SWITCH DELETE



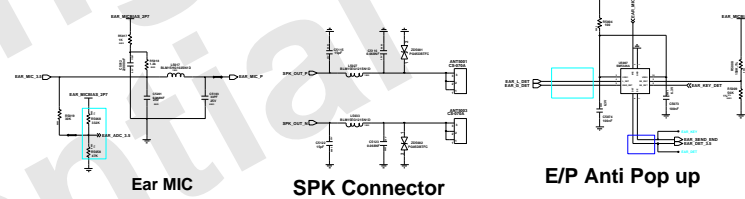
HAPTIC DRIVER

AUDIO



CODEC

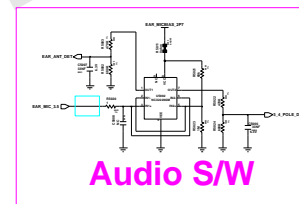
Audio amp



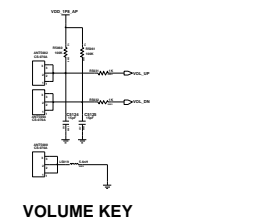
Ear MIC

SPK Connector

E/P Anti Pop up



Audio S/W



VOLUME KEY

IF SUB PBA CONNECTOR

BATTERY CON

BAT Discharge IC

BOSS HOLE

