Baseband Schematic

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MODEM Schematic

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45. DRX_SWITCH
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52. Reserved
53. Reserved
54. Reserved
55. Reserved
56. Reserved
57. Reserved
58. Reserved
59. Reserved
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61. NC_BB
62. NC_FE_WIFI_2G
63. NC_FE_WIFI_5G
64. NC_GPS
65. RES
66. NFC Antena
67. RES
68. NFC_BB
69. RES
70. Antenna
71. NFC Antena

2.RES

3.SOC PWR1

VDD_CPU_B — SG301 — VDD_CPU_B_REMOTE
GND — SG302 — VSS_CPU_B_REMOTE

VDD_GPU — SG301 — VDD_GPU_REMOTE
GND — SG305 — VSS_GPU_REMOTE

3ｸ uF｣ｨC306\C301\C326｣ｯｺﾏｲ「ﾎｪ1ｸ カﾋﾗﾓ｣ｨC306｣ｯ
4ｸ uF｣ｨC310\C322\C325\C323｣ｯｺﾏｲ「ﾎｪ1ｸ カﾋﾗﾓ｣ｨC310｣ｯ
6ｸ 0uFｺﾏｲ「ﾎｪ3ｸ 2uF

VDD_CPU_B

C375 4.3u, C372 4.3u, C371 4.3u
C369 4.3u, C379 4.3u, C376 4.3u
C312 10u, C309 10u, C383 10U, C384 10U, C385 10U, C386 10U
C341 4.3u, C342 4.3u

PWR1 interface 1 of 10

U300
HI3670CSSOC

CPU_BIG		GPU	
AJ12	VDD_CPU_B_1	VDD_GPU_1	AU36
AJ14	VDD_CPU_B_2	VDD_GPU_2	AA28
AJ16	VDD_CPU_B_3	VDD_GPU_3	AA30
AJ18	VDD_CPU_B_4	VDD_GPU_4	AA32
AJ20	VDD_CPU_B_5	VDD_GPU_5	AA34
AN10	VDD_CPU_B_6	VDD_GPU_6	AA36
AN12	VDD_CPU_B_7	VDD_GPU_7	AA40
AN14	VDD_CPU_B_8	VDD_GPU_8	AE28
AN16	VDD_CPU_B_9	VDD_GPU_9	AE32
AN20	VDD_CPU_B_10	VDD_GPU_10	AE34
AU10	VDD_CPU_B_11	VDD_GPU_11	AE36
AU14	VDD_CPU_B_12	VDD_GPU_12	AE40
AU16	VDD_CPU_B_13	VDD_GPU_13	AJ28
AU18	VDD_CPU_B_14	VDD_GPU_14	AJ32
		VDD_GPU_15	AJ34
		VDD_GPU_16	AJ36
		VDD_GPU_17	AJ38
		VDD_GPU_18	AJ40
		VDD_GPU_19	AN30
		VDD_GPU_20	AN32
		VDD_GPU_21	AN34
		VDD_GPU_22	AN36
		VDD_GPU_23	AU40
		VDD_GPU_24	AU28
		VDD_GPU_25	AU32
		VDD_GPU_26	AU34
		VDD_GPU_27	AA38
		VDDC_GPU_MEM_1	AE30
		VDDC_GPU_MEM_2	AE38
		VDDC_GPU_MEM_3	AL30
		VDDC_GPU_MEM_4	AN38
		VDDC_GPU_MEM_5	AU30
		VDDC_GPU_MEM_6	AU38
		VDDC_GPU_MEM_7	AJ30
		VDD_GPU_T	AL40
		VSS_GPU_T	AN40
		GPU_Tsensor	
		AVDD18_TS_GPU	AW40
CPU_PLL			
AVDD18_PLL_CPU	AR20		
CPU_LITTLE			
VDD_CPU_L_1	AL24		
VDD_CPU_L_2	AL26		
VDD_CPU_L_3	AR22		
VDD_CPU_L_4	AR24		
VDD_CPU_L_5	AR26		
VDD_CPU_L_6	AU22		
VDD_CPU_L_7	AU24		
VDD_CPU_L_8	AU26		
SWP			
SWP_VREF	BH35		
OSC_VREF	BH17		
AVDD18_OTP	AY21		
EFUSE			
VDD18_EFUSE_BISR	BA40		
VDD18_EFUSE_SYS	AY39		

TP308 VDD_CPU_B_TAY11
TP301 VSS_CPU_B_TAW10
C382 1u VOUT5_1V8

VDD_CPU_L
C311 10u, C308 10u, C316 1u, C330 1u
C378 4.3u, C377 4.3u
TP301 SWP_VREF
TP302 SE_OSC_VREF
VOUT2_1V8
C355 1u
C354 1u
C302 1u
TP306 VDD_GPU_T
TP307 VSS_GPU_T
VOUT5_1V8

VDD_GPU
C324 1U, C307 1u, C320 22U, C313 10U, C387 22U, C319 10U
GND GND

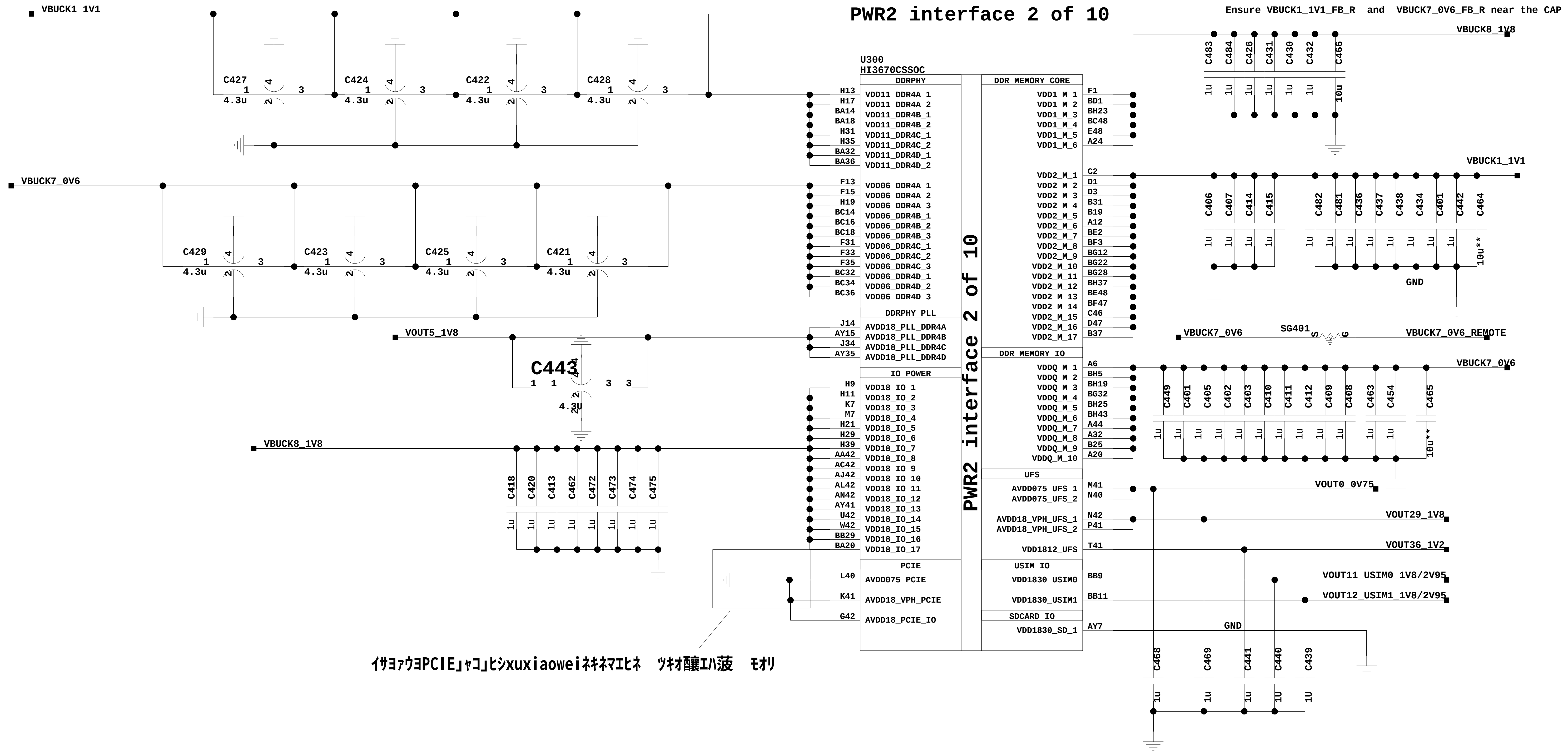
C360 4.3u, C362 4.3u, C364 4.3u, C306 4.3U
GND
C336 4.3u, C365 4.3u, C361 4.3u, C310 4.3U

VBUCK6_0V75
C346 1u, C344 1u, C343 1u, C314 10U
C301 4.3u, C380 4.3u

AP Temperature DET

VOUT27_1V8
R301 100K
HKADC_IN7
C303 1N**
RT301 100K

4.SOC PWR2



PWR2 interface 2 of 10
Ensure VBUCK1_1V1_FB_R and VBUCK7_0V6_FB_R near the CAP
U300
HI3670CSSOC
VBUCK1_1V1
VBUCK7_0V6
VOUT5_1V8
VBUCK8_1V8
C427 C424 C422 C428 4.3u
C429 C423 C425 C421 4.3u
C443 4.3u
C418 C420 C413 C462 C472 C473 C474 C475 1u
DDRPHY
VDD11_DDR4A_1 VDD11_DDR4A_2 VDD11_DDR4B_1 VDD11_DDR4B_2 VDD11_DDR4C_1 VDD11_DDR4C_2 VDD11_DDR4D_1 VDD11_DDR4D_2
VDD06_DDR4A_1 VDD06_DDR4A_2 VDD06_DDR4A_3 VDD06_DDR4B_1 VDD06_DDR4B_2 VDD06_DDR4B_3 VDD06_DDR4C_1 VDD06_DDR4C_2 VDD06_DDR4C_3 VDD06_DDR4D_1 VDD06_DDR4D_2 VDD06_DDR4D_3
DDRPHY PLL
AVDD18_PLL_DDR4A AVDD18_PLL_DDR4B AVDD18_PLL_DDR4C AVDD18_PLL_DDR4D
IO POWER
VDD18_IO_1 … VDD18_IO_17
PCIE
AVDD075_PCIE AVDD18_VPH_PCIE AVDD18_PCIE_IO
DDR MEMORY CORE
VDD1_M_1 … VDD1_M_6
VDD2_M_1 … VDD2_M_17
DDR MEMORY IO
VDDQ_M_1 … VDDQ_M_10
UFS
AVDD075_UFS_1 AVDD075_UFS_2 AVDD18_VPH_UFS_1 AVDD18_VPH_UFS_2 VDD1812_UFS
USIM IO
VDD1830_USIM0 VDD1830_USIM1
SDCARD IO
VDD1830_SD_1
VBUCK8_1V8
C483 C484 C426 C431 C430 C432 C466 1u 10u
C406 C407 C414 C415 C482 C481 C436 C437 C438 C434 C401 C442 C464 1u 10u**
GND
SG401
VBUCK7_0V6_REMOTE
C449 C401 C405 C402 C403 C410 C411 C412 C409 C408 C463 C454 C465 1u 10u**
VOUT0_0V75
VOUT29_1V8
VOUT36_1V2
VOUT11_USIM0_1V8/2V95
VOUT12_USIM1_1V8/2V95
GND
C468 C469 C441 C440 C439 1u 1U
イサヨァウヨPCIE」ャコ」ヒシxuxiaoweiネキネマエヒネ ツキオ醸エハ菠 モオリ

5.SOC PWR3

PWR3 interface 3 of 10

VDD_PERI_0V75 SG501 VDD_ISP_REMOTE
GND SG502 VSS_ISP_REMOTE

U300
HI3670CSSOC

C534 for PDN

VDD_PERI_0V75

C534 C596 C595 C537 C524 C521
4.3U 10U 10u 10U** 1u 1u

C507 C576 C523 C577
4.3u 4.3u 4.3U 4.3U

3ｹ uFｼｨC534\C531\C515｣ｯｺﾏｲ｢ﾎｴ1ｹ .7uF｣ｨC534｣ｯ
4ｹ uFｼｨC523\C533\C528\C516｣ｯｸﾄﾎｴ1ｹ ｶﾋﾗﾓ｣ｨC523｣ｯ
3ｹ uFｼｨC532\C507\C520｣ｯｺﾏｲ｢ﾎｴ1ｹ .3uF｣ｨC507｣ｯ

PERI CORE
VDD075_PERI_1 AC20
VDD075_PERI_2 AC22
VDD075_PERI_3 AC24
VDD075_PERI_4 AC26
VDD075_PERI_5 AG20
VDD075_PERI_6 AG22
VDD075_PERI_7 AL22
VDD075_PERI_8 AN22
VDD075_PERI_9 AN28
VDD075_PERI_10 AT41
VDD075_PERI_11 AY27
VDD075_PERI_12 BA42
VDD075_PERI_13 J8
VDD075_PERI_14 L20
VDD075_PERI_15 L22
VDD075_PERI_16 L24
VDD075_PERI_17 L26
VDD075_PERI_18 L28
VDD075_PERI_19 L30
VDD075_PERI_20 L32
VDD075_PERI_21 L34
VDD075_PERI_22 L36
VDD075_PERI_23 N8
VDD075_PERI_24 R20
VDD075_PERI_25 R22
VDD075_PERI_26 R24
VDD075_PERI_27 R26
VDD075_PERI_28 R28
VDD075_PERI_29 R30
VDD075_PERI_30 R32
VDD075_PERI_31 R34
VDD075_PERI_32 R36
VDD075_PERI_33 W20
VDD075_PERI_34 W22
VDD075_PERI_35 W24
VDD075_PERI_36 W26
VDD075_PERI_37 W28
VDD075_PERI_38 W30
VDD075_PERI_39 W32
VDD075_PERI_40 W34
VDD075_PERI_41 AY17
VDD075_PERI_42 AW20

MODEM
VDD075_MODEM_1 AC10
VDD075_MODEM_2 AC12
VDD075_MODEM_3 AC14
VDD075_MODEM_4 AC16
VDD075_MODEM_5 AC18
VDD075_MODEM_6 AG10
VDD075_MODEM_7 AG12
VDD075_MODEM_8 AG14
VDD075_MODEM_9 AG16
VDD075_MODEM_10 AG18
VDD075_MODEM_11 J10
VDD075_MODEM_12 L10
VDD075_MODEM_13 L12
VDD075_MODEM_14 L18
VDD075_MODEM_15 R10
VDD075_MODEM_16 R12
VDD075_MODEM_17 R14
VDD075_MODEM_18 R16
VDD075_MODEM_19 R18
VDD075_MODEM_20 W10
VDD075_MODEM_21 W12
VDD075_MODEM_22 W14
VDD075_MODEM_23 W16
VDD075_MODEM_24 W18
VDD075_MODEM_25 L14
VDD075_MODEM_26 L16

ABB
AVDD085_ABB_1 AA8
AVDD085_ABB_2 AC8
AVDD085_ABB_3 AE8
AVDD085_ABB_4 AG8
AVDD085_ABB_5 AJ8
AVDD085_ABB_6 R8
AVDD085_ABB_7 U8
AVDD085_ABB_8 W8

AVDD18_ABB_1 AB7
AVDD18_ABB_2 AD7
AVDD18_ABB_3 AF7
AVDD18_ABB_4 AH7
AVDD18_ABB_5 T7
AVDD18_ABB_6 V7
AVDD18_ABB_7 Y7
AVDD18_REF_ABB AL8

Route U300.AL8 net separately
C505 1u

DDR_CORE
VDD075_PERI_43 J12
VDD075_PERI_44 J18
VDD075_PERI_45 J30
VDD075_PERI_46 J36
VDD075_PERI_47 AY13
VDD075_PERI_48 AY19
VDD075_PERI_49 AY31
VDD075_PERI_50 AY37

PERI(FIXED CORE)
VDD075_PERI_FIX_1 AV9
VDD075_PERI_FIX_2 AY9
VDD075_PERI_FIX_3 K39
VDD075_PERI_FIX_4 AY25
VDD075_PERI_FIX_5 J24

PERI FIX PLL
AVDD075_PLL_FIX J40
AVDD18_PLL_FIX H41

PERI PLL
AVDD075_PLL_PERI AG24
AVDD18_PLL_PERI AJ26

MIPI
AVDD18_CSI_1 H23
AVDD18_CSI_2 H25
AVDD18_DSI_1 BA24
AVDD18_DSI_2 BA26

USB+DP
AVDD075_USB_DP_1 AP7
AVDD075_USB_DP_2 AT7
DVDD075_USB AW8

AVDD18_USB_DP_1 AN8
AVDD18_USB_DP_2 AR8
AVDD18_USB_DP_3 AU8

AVDD33_USB AV7

SYS CORE
VDD075_SYS_1 AD41
VDD075_SYS_2 AE24
VDD075_SYS_3 AH41
VDD075_SYS_4 AM41
VDD075_SYS_5 N38
VDD075_SYS_6 R38
VDD075_SYS_7 U40
VDD075_SYS_8 W40

SYS PLL
AVDD075_PLL_SYS U38
AVDD18_PLL_SYS W38

PI Monitor
PI_VREF BA22

PWR3 interface 3 of 10

3A VBUCK4_0V75 GND
C553 C508 C550 C552 C554 C561
10u 10u 4.3U 4.3U 4.3U 4.3U

16ｹ uFｸﾄﾎｴ4ｸ ｶﾋﾗﾓ｣ｨC550\C552\C554\C561｣ｯ

VOUT6_0V85
C512
4.3U

5ｹ uFｼｨC512\C535\C511\C514\C513｣ｯｸﾄﾎｴ1ｹ .3uFｦ ｶﾋﾗﾓ｣ｨC512｣ｯ

VOUT7_1V8
C502 C503
4.7U 1U

3ｹ uFｼｨC502\C509\C503｣ｯｸﾄﾎｴ1ｹ .7uF｣ｨC502｣ｯ
6.15: ﾔ ﾓ1ｹ uF(C503)

VOUT30_0V75
VOUT5_1V8
VOUT23_3V2
VOUT0_0V75
VOUT29_1V8

C557 C526 C525 C506 C529
1u 1u 1u 1u 4.7U
GND 09/09

3ｹ uFｼｨC540/C539/C538｣ｯｺﾏｲ｢ｷｴ1ｹ .3uF｣ｨC538｣ｯ

C527 4.3u
C538
4.3U

C571 C572
1u 1u**

VDD075 For VDD_PLL_CPU

VDD_PERI_0V75
VDD_PERI_0V75
C590 C591 10U 4.7u
GND

C517 C518 C519 1U 1U 1U
GND

C501 1U

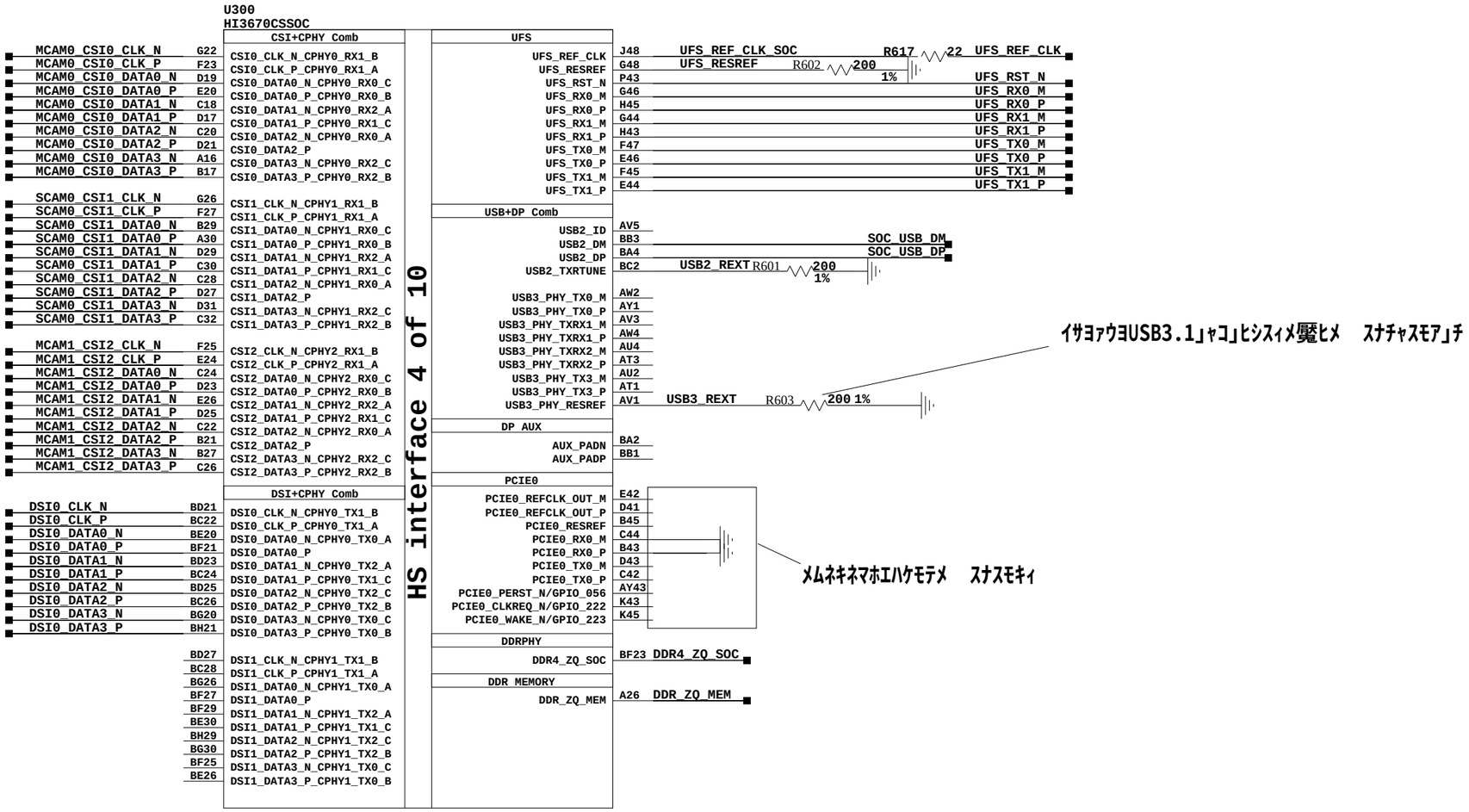
C555/C556 Close to AY25 PIN

VOUT30_0V75
VDD_PERI_0V75
VOUT5_1V8
VOUT5_1V8
VOUT5_1V8

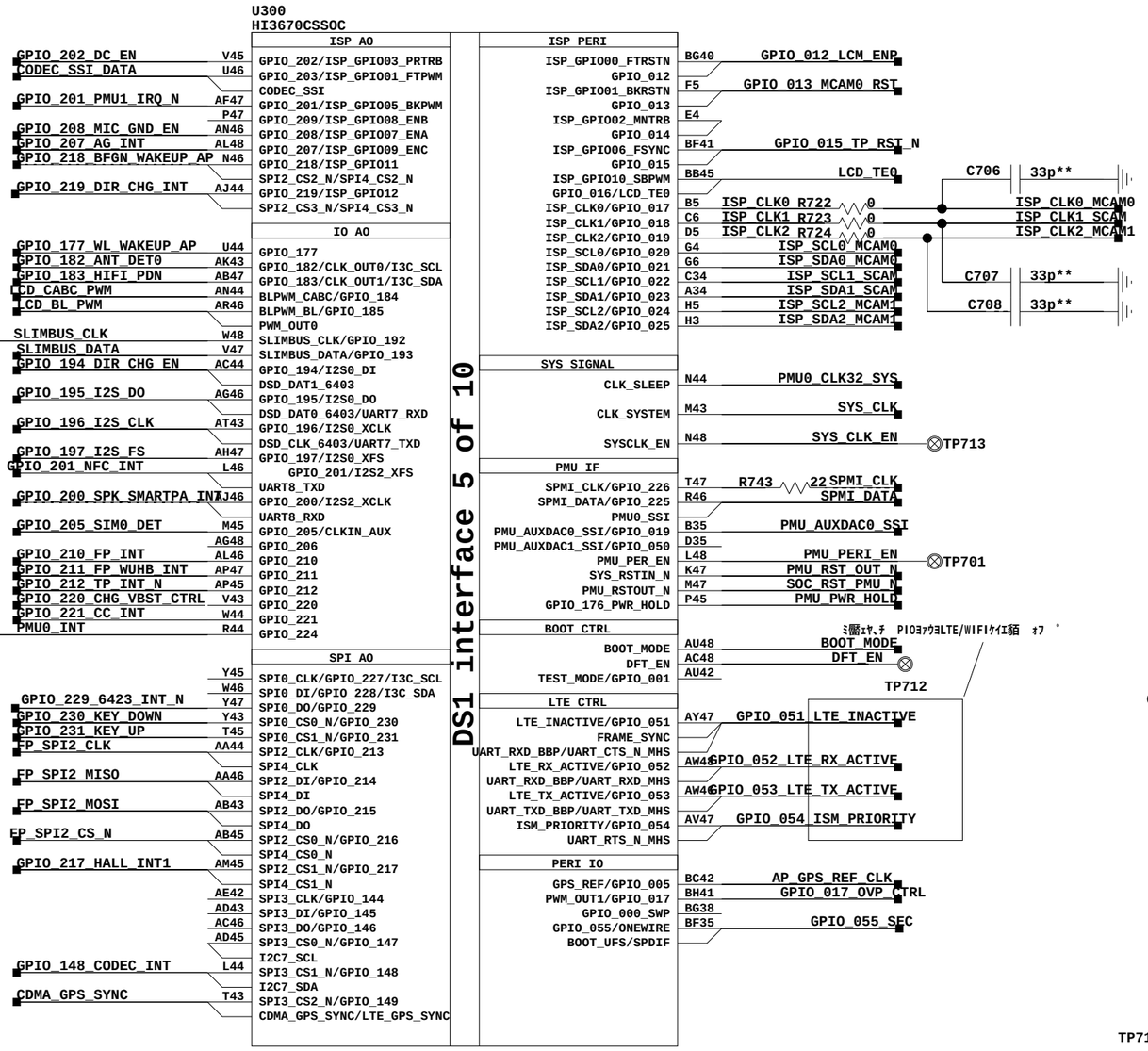
C522 C581 C578 C593 C586 C501 C530
1u 4.3U 1u 1u 1u 1u 1u

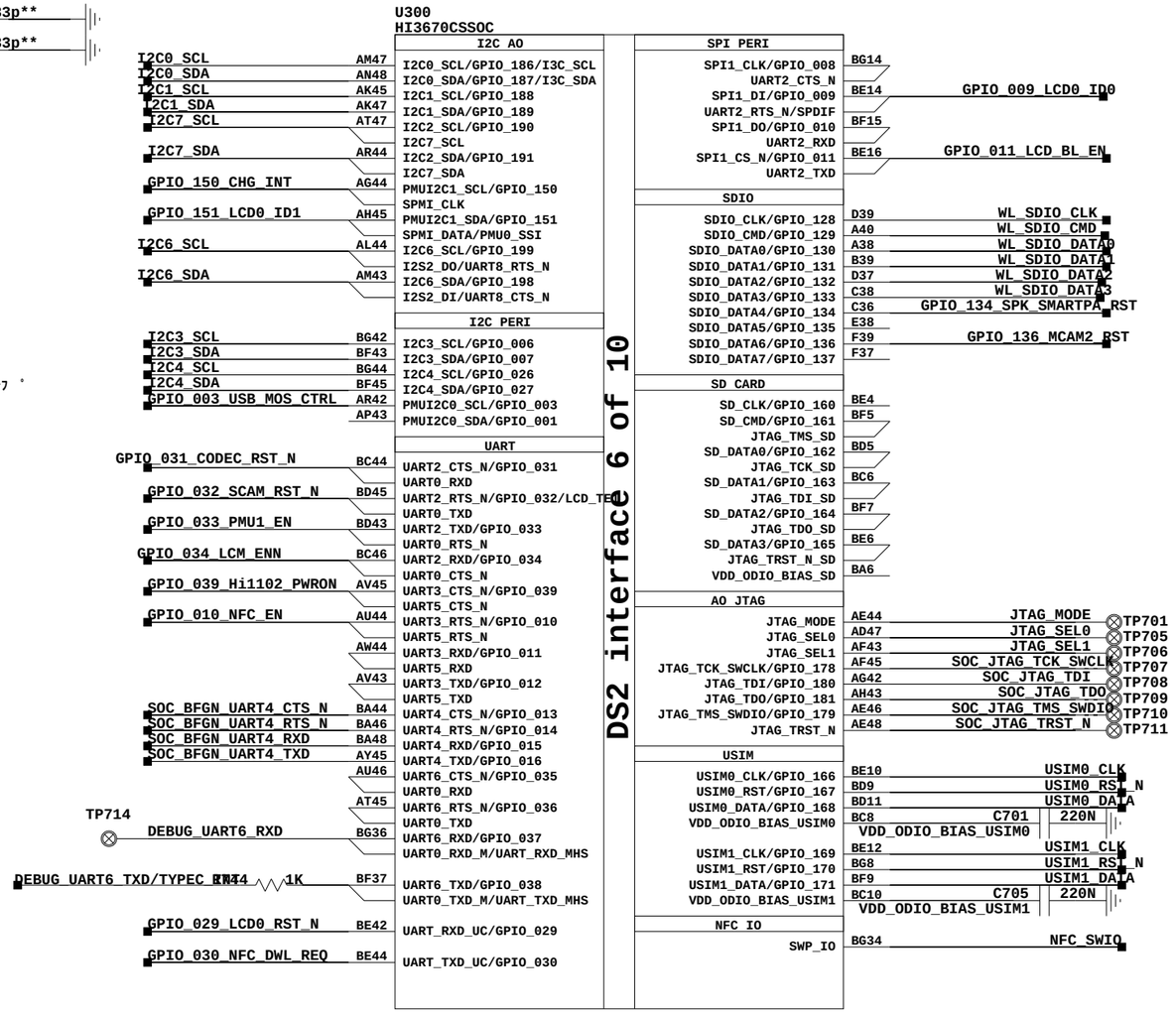
ｲｻﾖｧｳﾖPCIE｣ｬｺ｣ﾋｼxuxiaoweiﾈｷﾈﾈﾏｴﾋﾈ ﾂｷｵ醸ｴﾊ菠 ﾓｵﾘ

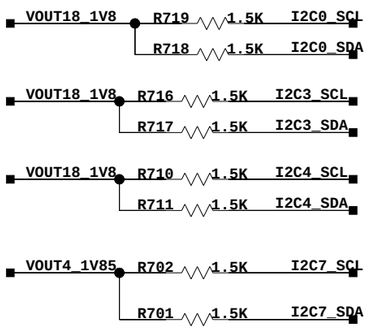
6.SOC HS INTERFACE

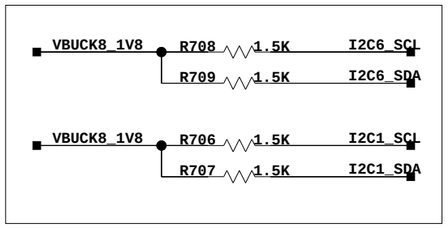


7.SOC GPIO INTERFACE1



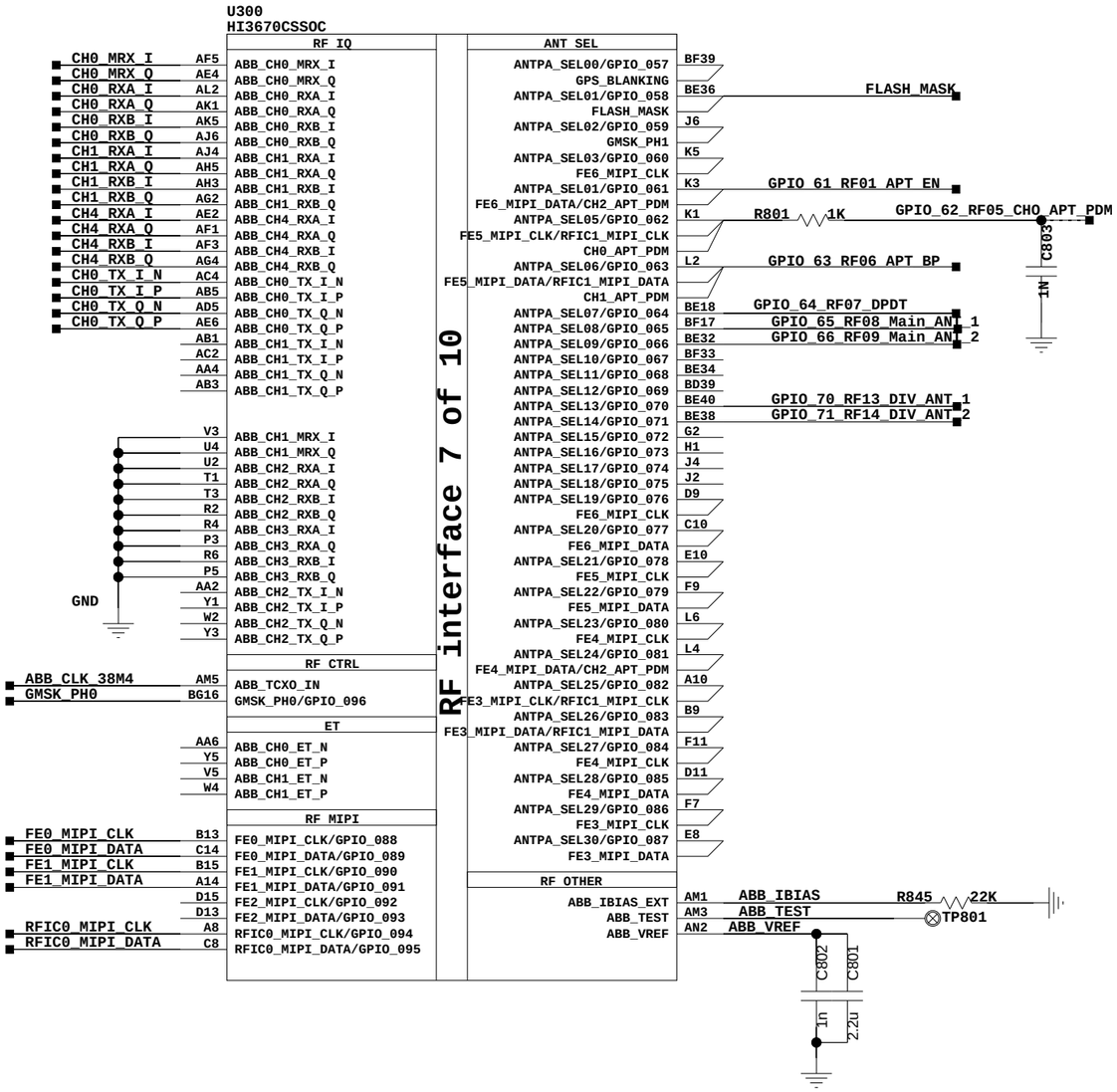




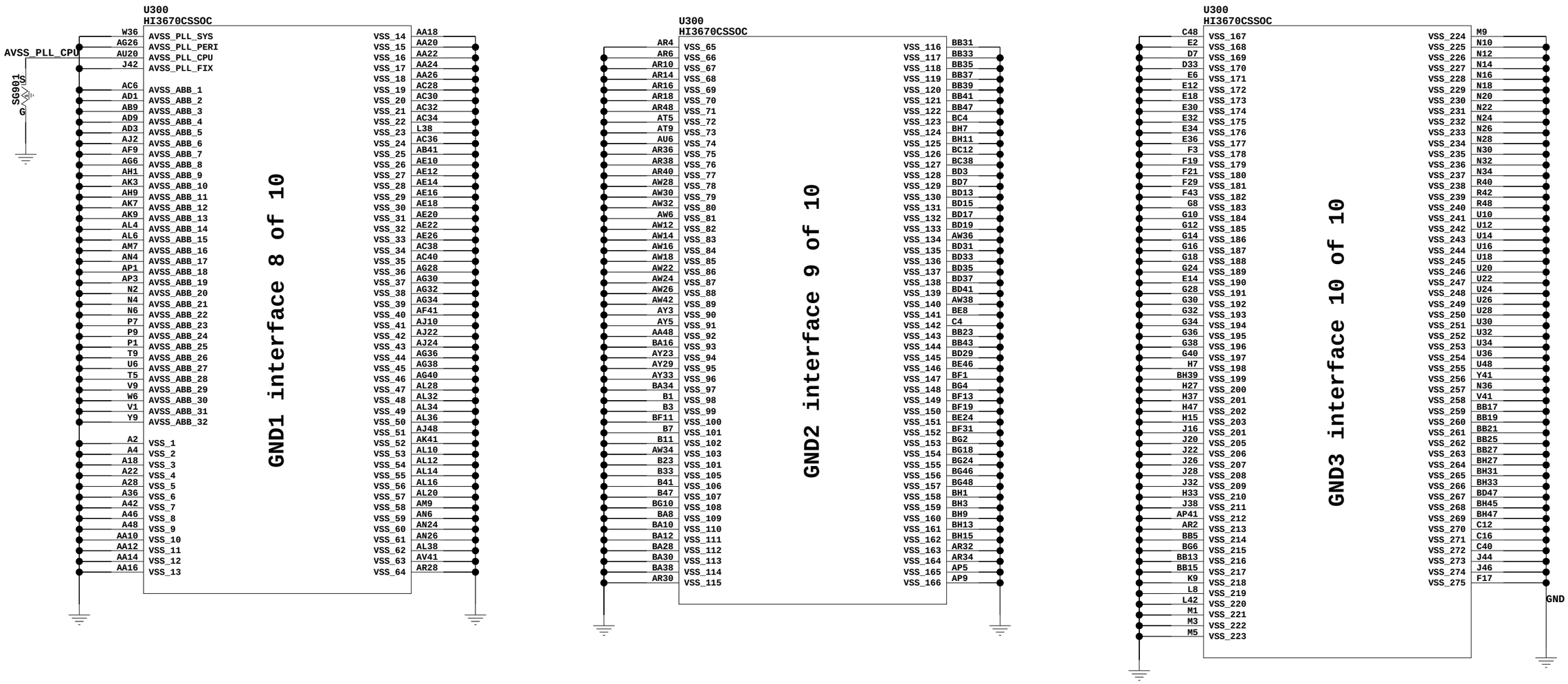


I2C For Charger Circuts pulled to BUCK8

8.SOC RF INTERFACE

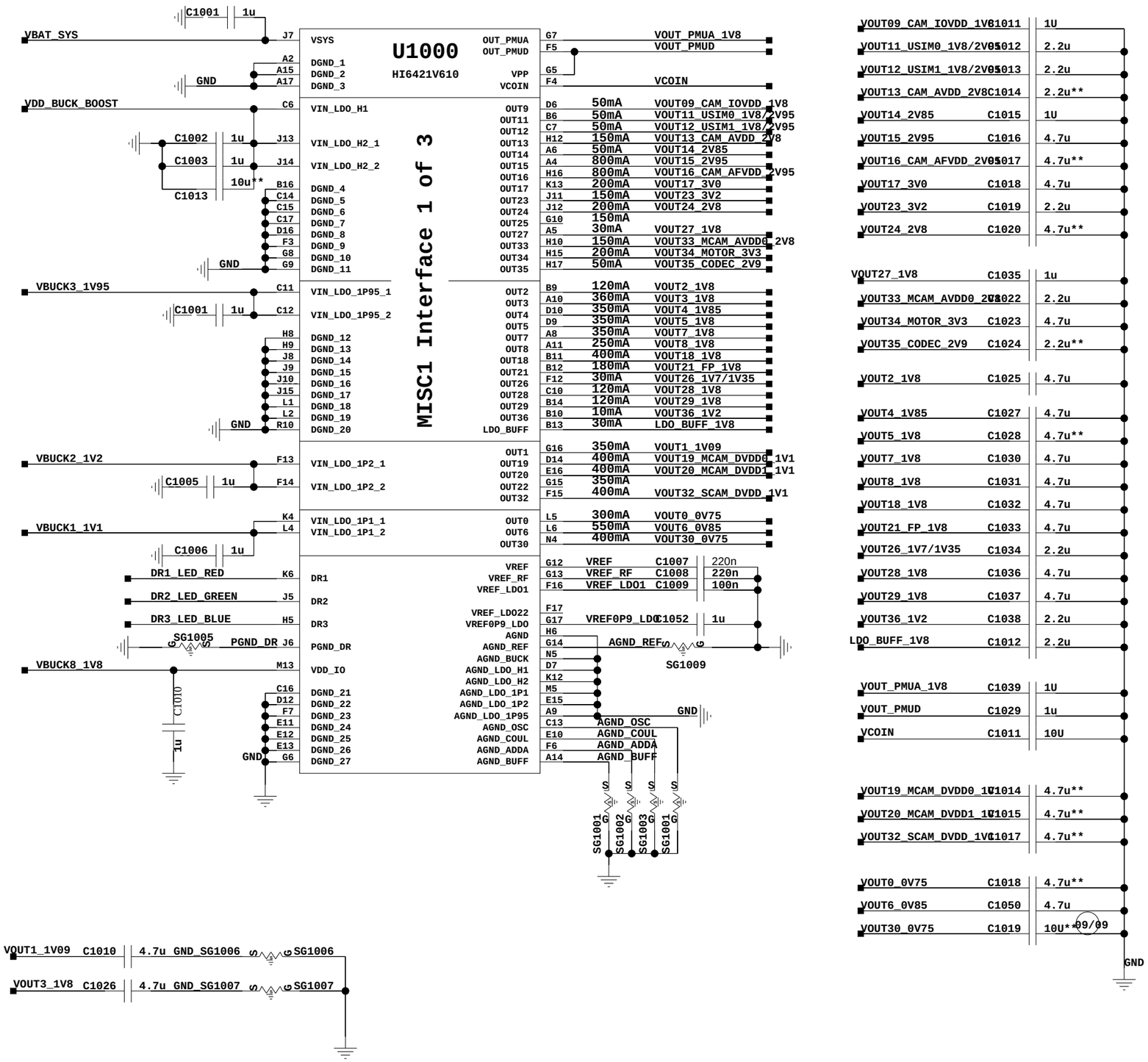


9.SOC GND


U300
HI3670CSSOC
AVSS_PLL_CPU
SG901
W36 AVSS_PLL_SYS
AG26 AVSS_PLL_PERI
AU20 AVSS_PLL_CPU
J42 AVSS_PLL_FIX
AC6 AVSS_ABB_1
AD1 AVSS_ABB_2
AB9 AVSS_ABB_3
AD9 AVSS_ABB_4
AD3 AVSS_ABB_5
AJ2 AVSS_ABB_6
AF9 AVSS_ABB_7
AG6 AVSS_ABB_8
AH1 AVSS_ABB_9
AK3 AVSS_ABB_10
AH9 AVSS_ABB_11
AK7 AVSS_ABB_12
AK9 AVSS_ABB_13
AL4 AVSS_ABB_14
AL6 AVSS_ABB_15
AM7 AVSS_ABB_16
AN4 AVSS_ABB_17
AP1 AVSS_ABB_18
AP3 AVSS_ABB_19
N2 AVSS_ABB_20
N4 AVSS_ABB_21
N6 AVSS_ABB_22
P7 AVSS_ABB_23
P9 AVSS_ABB_24
P1 AVSS_ABB_25
T9 AVSS_ABB_26
U6 AVSS_ABB_27
T5 AVSS_ABB_28
V9 AVSS_ABB_29
W6 AVSS_ABB_30
V1 AVSS_ABB_31
Y9 AVSS_ABB_32
A2 VSS_1
A4 VSS_2
A18 VSS_3
A22 VSS_4
A28 VSS_5
A36 VSS_6
A42 VSS_7
A46 VSS_8
A48 VSS_9
AA10 VSS_10
AA12 VSS_11
AA14 VSS_12
AA16 VSS_13
GND1 interface 8 of 10
VSS_14 AA18
VSS_15 AA20
VSS_16 AA22
VSS_17 AA24
VSS_18 AA26
VSS_19 AC28
VSS_20 AC30
VSS_21 AC32
VSS_22 AC34
VSS_23 L38
VSS_24 AC36
VSS_25 AB41
VSS_26 AE10
VSS_27 AE12
VSS_28 AE14
VSS_29 AE16
VSS_30 AE18
VSS_31 AE20
VSS_32 AE22
VSS_33 AE26
VSS_34 AC38
VSS_35 AC40
VSS_36 AG28
VSS_37 AG30
VSS_38 AG32
VSS_39 AG34
VSS_40 AF41
VSS_41 AJ10
VSS_42 AJ22
VSS_43 AJ24
VSS_44 AG36
VSS_45 AG38
VSS_46 AG40
VSS_47 AL28
VSS_48 AL32
VSS_49 AL34
VSS_50 AL36
VSS_51 AJ48
VSS_52 AK41
VSS_53 AL10
VSS_54 AL12
VSS_55 AL14
VSS_56 AL16
VSS_57 AL20
VSS_58 AM9
VSS_59 AN6
VSS_60 AN24
VSS_61 AN26
VSS_62 AL38
VSS_63 AV41
VSS_64 AR28
U300
HI3670CSSOC
AR4 VSS_65
AR6 VSS_66
AR10 VSS_67
AR14 VSS_68
AR16 VSS_69
AR18 VSS_70
AR48 VSS_71
AT5 VSS_72
AT9 VSS_73
AU6 VSS_74
AR36 VSS_75
AR38 VSS_76
AR40 VSS_77
AW28 VSS_78
AW30 VSS_79
AW32 VSS_80
AW6 VSS_81
AW12 VSS_82
AW14 VSS_83
AW16 VSS_84
AW18 VSS_85
AW22 VSS_86
AW24 VSS_87
AW26 VSS_88
AW42 VSS_89
AY3 VSS_90
AY5 VSS_91
AA48 VSS_92
BA16 VSS_93
AY23 VSS_94
AY29 VSS_95
AY33 VSS_96
BA34 VSS_97
B1 VSS_98
B3 VSS_99
BF11 VSS_100
B7 VSS_101
B11 VSS_102
AW34 VSS_103
B23 VSS_101
B33 VSS_105
B41 VSS_106
B47 VSS_107
BG10 VSS_108
BA8 VSS_109
BA10 VSS_110
BA12 VSS_111
BA28 VSS_112
BA30 VSS_113
BA38 VSS_114
AR30 VSS_115
GND2 interface 9 of 10
VSS_116 BB31
VSS_117 BB33
VSS_118 BB35
VSS_119 BB37
VSS_120 BB39
VSS_121 BB41
VSS_122 BB47
VSS_123 BC4
VSS_124 BH7
VSS_125 BH11
VSS_126 BC12
VSS_127 BC38
VSS_128 BD3
VSS_129 BD7
VSS_130 BD13
VSS_131 BD15
VSS_132 BD17
VSS_133 BD19
VSS_134 AW36
VSS_135 BD31
VSS_136 BD33
VSS_137 BD35
VSS_138 BD37
VSS_139 BD41
VSS_140 AW38
VSS_141 BE8
VSS_142 C4
VSS_143 BB23
VSS_144 BB43
VSS_145 BD29
VSS_146 BE46
VSS_147 BF1
VSS_148 BG4
VSS_149 BF13
VSS_150 BF19
VSS_151 BE24
VSS_152 BF31
VSS_153 BG2
VSS_154 BG18
VSS_155 BG24
VSS_156 BG46
VSS_157 BG48
VSS_158 BH1
VSS_159 BH3
VSS_160 BH9
VSS_161 BH13
VSS_162 BH15
VSS_163 AR32
VSS_164 AR34
VSS_165 AP5
VSS_166 AP9
U300
HI3670CSSOC
C48 VSS_167
E2 VSS_168
D7 VSS_169
D33 VSS_170
E6 VSS_171
E12 VSS_172
E18 VSS_173
E30 VSS_174
E32 VSS_175
E34 VSS_176
E36 VSS_177
F3 VSS_178
F19 VSS_179
F21 VSS_180
F29 VSS_181
F43 VSS_182
G8 VSS_183
G10 VSS_184
G12 VSS_185
G14 VSS_186
G16 VSS_187
G18 VSS_188
G24 VSS_189
E14 VSS_190
G28 VSS_191
G30 VSS_192
G32 VSS_193
G34 VSS_194
G36 VSS_195
G38 VSS_196
G40 VSS_197
H7 VSS_198
BH39 VSS_199
H27 VSS_200
H37 VSS_201
H47 VSS_202
H15 VSS_203
J16 VSS_201
J20 VSS_205
J22 VSS_206
J26 VSS_207
J28 VSS_208
J32 VSS_209
H33 VSS_210
J38 VSS_211
AP41 VSS_212
AR2 VSS_213
BB5 VSS_214
BG6 VSS_215
BB13 VSS_216
BB15 VSS_217
K9 VSS_218
L8 VSS_219
L42 VSS_220
M1 VSS_221
M3 VSS_222
M5 VSS_223
GND3 interface 10 of 10
VSS_224 M9
VSS_225 N10
VSS_226 N12
VSS_227 N14
VSS_228 N16
VSS_229 N18
VSS_230 N20
VSS_231 N22
VSS_232 N24
VSS_233 N26
VSS_234 N28
VSS_235 N30
VSS_236 N32
VSS_237 N34
VSS_238 R40
VSS_239 R42
VSS_240 R48
VSS_241 U10
VSS_242 U12
VSS_243 U14
VSS_244 U16
VSS_245 U18
VSS_246 U20
VSS_247 U22
VSS_248 U24
VSS_249 U26
VSS_250 U28
VSS_251 U30
VSS_252 U32
VSS_253 U34
VSS_254 U36
VSS_255 U48
VSS_256 Y41
VSS_257 N36
VSS_258 V41
VSS_259 BB17
VSS_260 BB19
VSS_261 BB21
VSS_262 BB25
VSS_263 BB27
VSS_264 BH27
VSS_265 BH31
VSS_266 BH33
VSS_267 BD47
VSS_268 BH45
VSS_269 BH47
VSS_270 C12
VSS_271 C16
VSS_272 C40
VSS_273 J44
VSS_274 J46
VSS_275 F17
GND

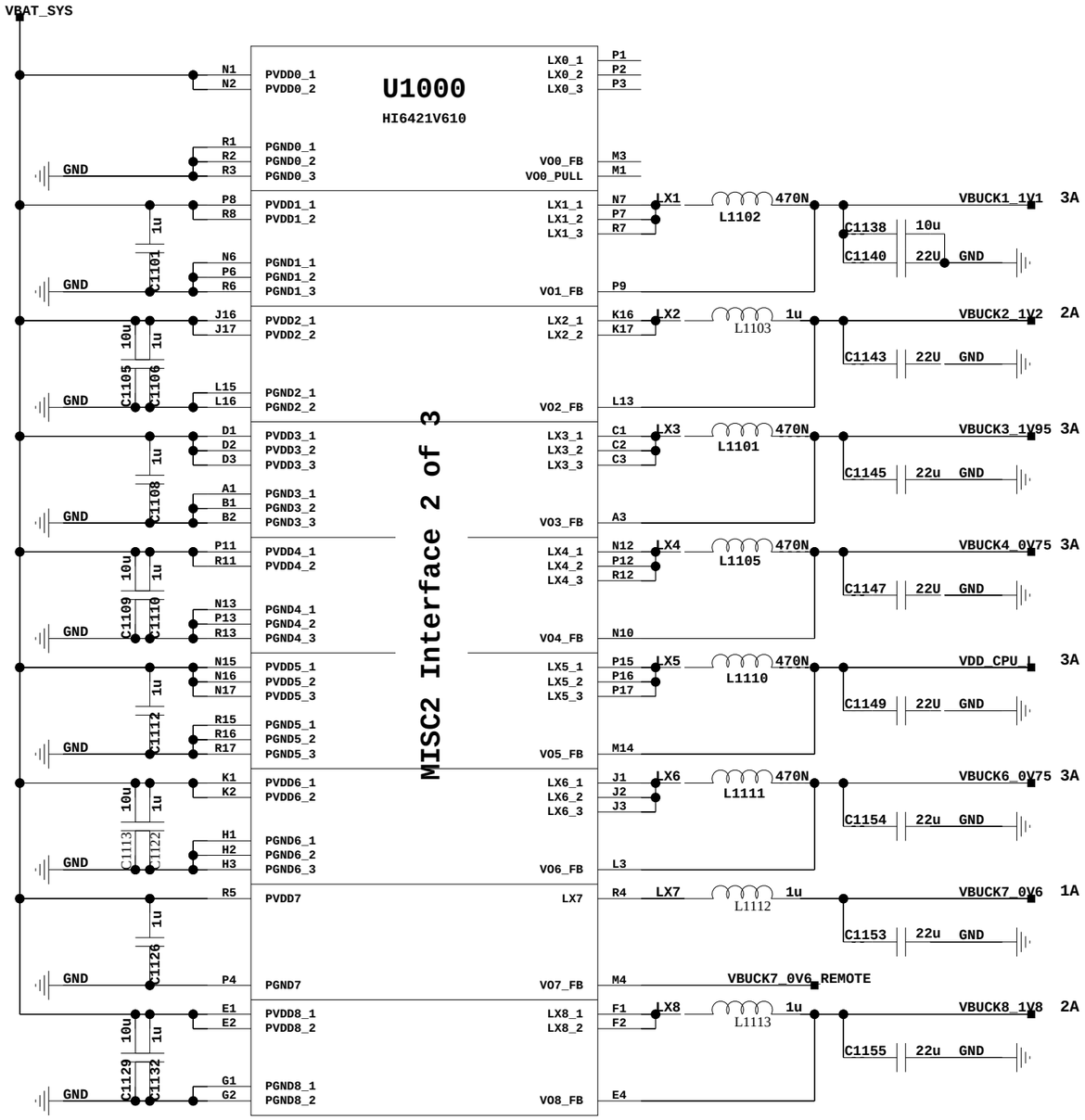
10. Hi6421 LDO

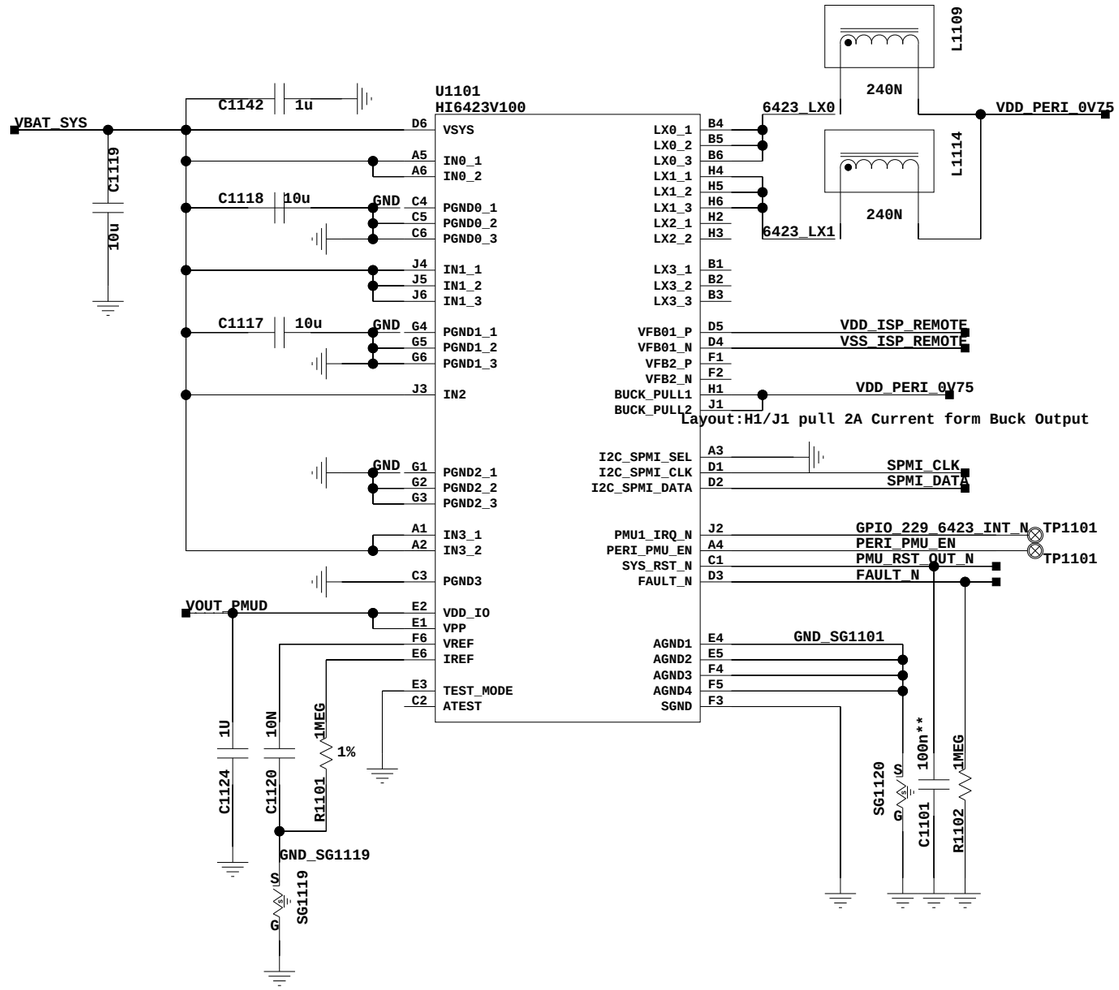
NUM	Vol	Current	Function
LDO0	0.75	300	SOC:UFS,SYS,PLL_SYS
LDO1	1.09	350	RFIC0 AVDD10
LDO2	1.8	120	SOC_EFUSE&HISEE
LDO3	1.8	360	RFIC AVDD18,LNA_VDD
LDO4	1.85	350	LCD&TP 1.8V IO
LDO5	1.8	350	SOC 1.8V AVDD
LDO6	0.85	550	SOC:AVDD085_ABB
LDO7	1.8	350	SOC:AVDD18_ABB
LDO8	1.8	250	IOVDD FOR Codec/RF
LDO9	1.8	50	SOC SDIO 1.8V
LDO11	1.8/2.95	50	SIM0
LDO12	1.8/2.95	50	SIM1
LDO13	2.8	150	CAM_AVDD
LDO14	2.85	50	RF switch VDD
LDO15	2.95	800	UFS_VCC
LDO16	2.95	800	SDCARD VDD
LDO17	3.3	200	MCAM_AFVDD1
LDO18	1.8	400	PERI IOVDD
LDO19	1.2	400	MCAM_DVDD0
LDO20	1.1	400	MCAM_DVDD1
LDO21	1.8	180	CAM IOVDD
LDO22	1.09	350	RESEVERD
LDO23	3.2	150	USB 2.0 PHY/PA
LDO24	2.8	200	Sensor VDD
LDO25	2.85	150	MCAM_AFVDD0
LDO26	1.7	30	38.4MHZ XO CORE
LDO27	1.8	30	HKADC,XOADC
LDO28	1.8	120	RF switch VIO
LDO29	1.8	120	VPH_UFS,PLL_SYS
LDO30	0.75	400	FIX 0.75 For SOC
LDO32	1.1	400	SlaveCAM_DVDD
LDO33	2.8	150	MCAM_AVDD0
LDO34	3.3	200	FP VDD
LDO35	2.9	50	CODEC_AVDD
LDO36	1.2	10	UFS refclk/rst IO



11.Hi6421 BUCK AND Hi6423

Hi6423





12.Hi6421 DIGITAL INTERFACE

DEFAULT_VOLTAGE_SEL	
0	1
BOSTON	V765

FAST_PWRON_SEL	
0	1
NORMAL	FAST

DDR_VOLTAGE_SEL	
0	1
LPDDR4x	LPDDR3

SPMI_SSI_SEL	
0	1
SPMI	SSI

HKADC_IN0	APU Board ID0
HKADC_IN1	APU Board ID1
HKADC_IN2	APU Board ID2
HKADC_IN3	TypeC TEMP
HKADC_IN4	RFIC0 TEMP
HKADC_IN5	Charge TEMP
HKADC_IN6	DCloadswitch TEMP
HKADC_IN7	AP TEMP
HKADC_IN8	RESERVED
HKADC_IN9	RFIC1 TEMP
HKADC_IN10	BATT TEMP
HKADC_IN11	BATT ID
HKADC_IN12	RESERVED
HKADC_IN13	RESERVED

BUCK BOOST

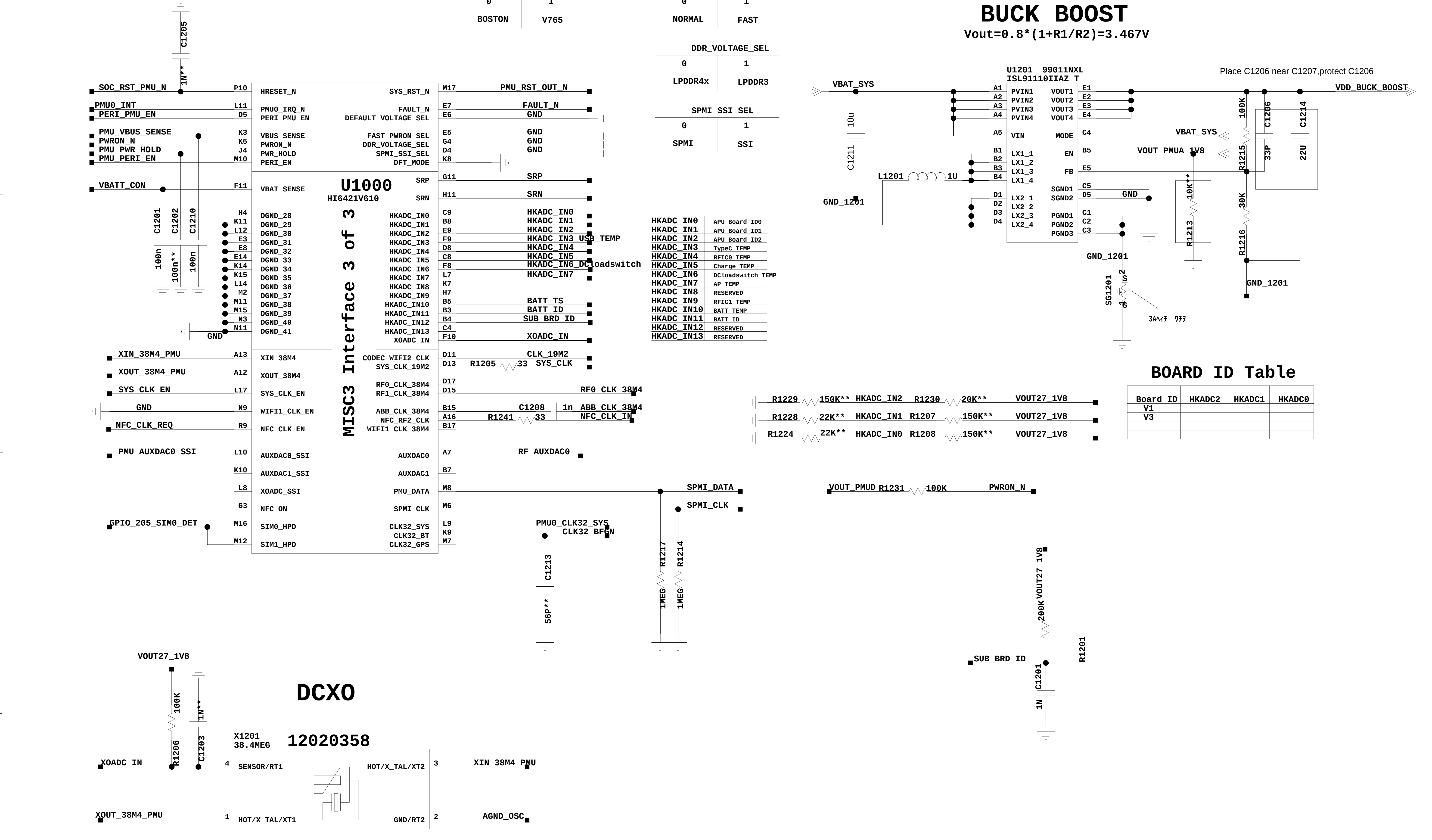
Vout=0.8*(1+R1/R2)=3.467V

Place C1206 near C1207,protect C1206

BOARD ID Table

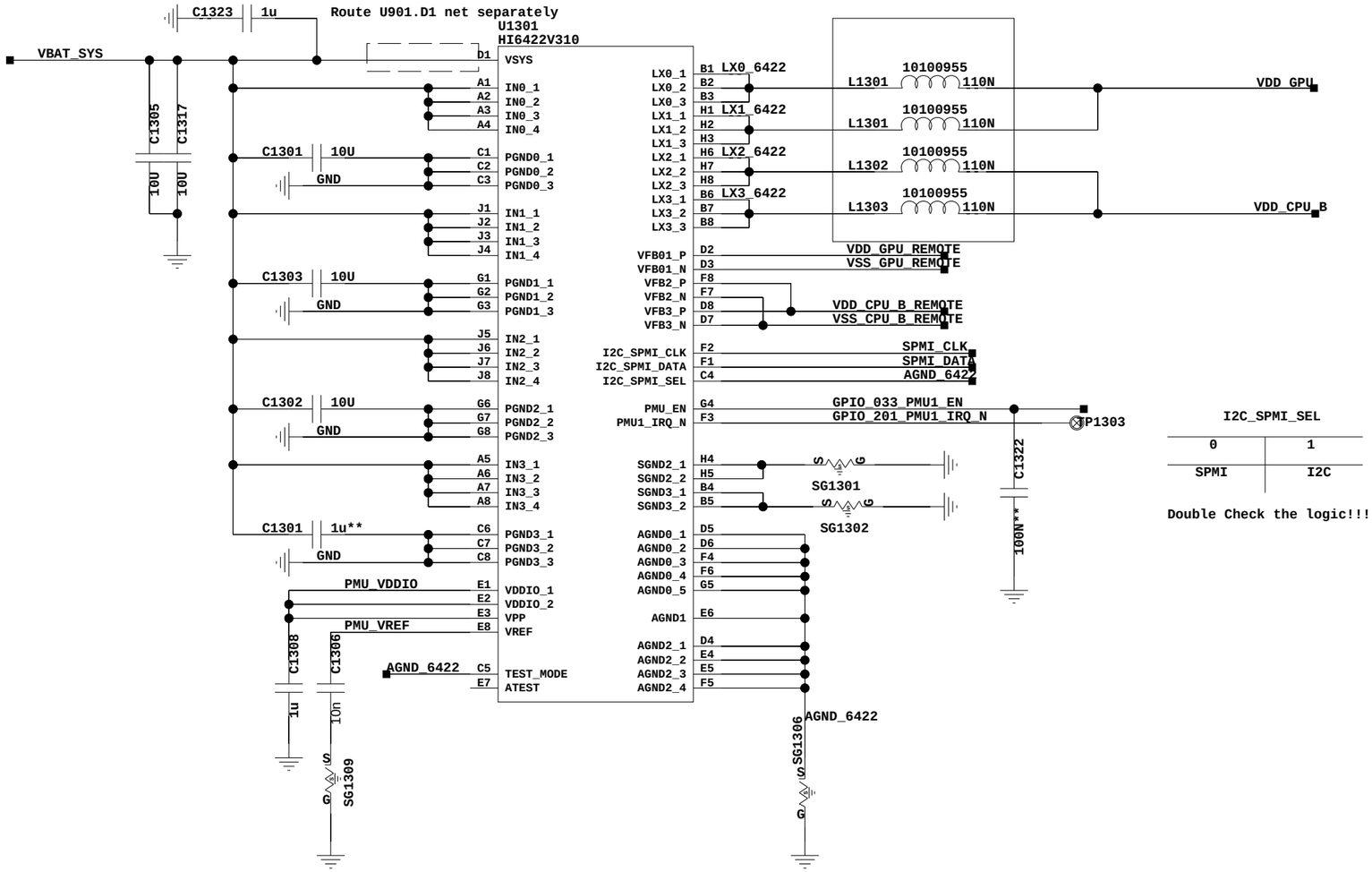
Board ID	HKADC2	HKADC1	HKADC0
V1			
V3			

DCXO

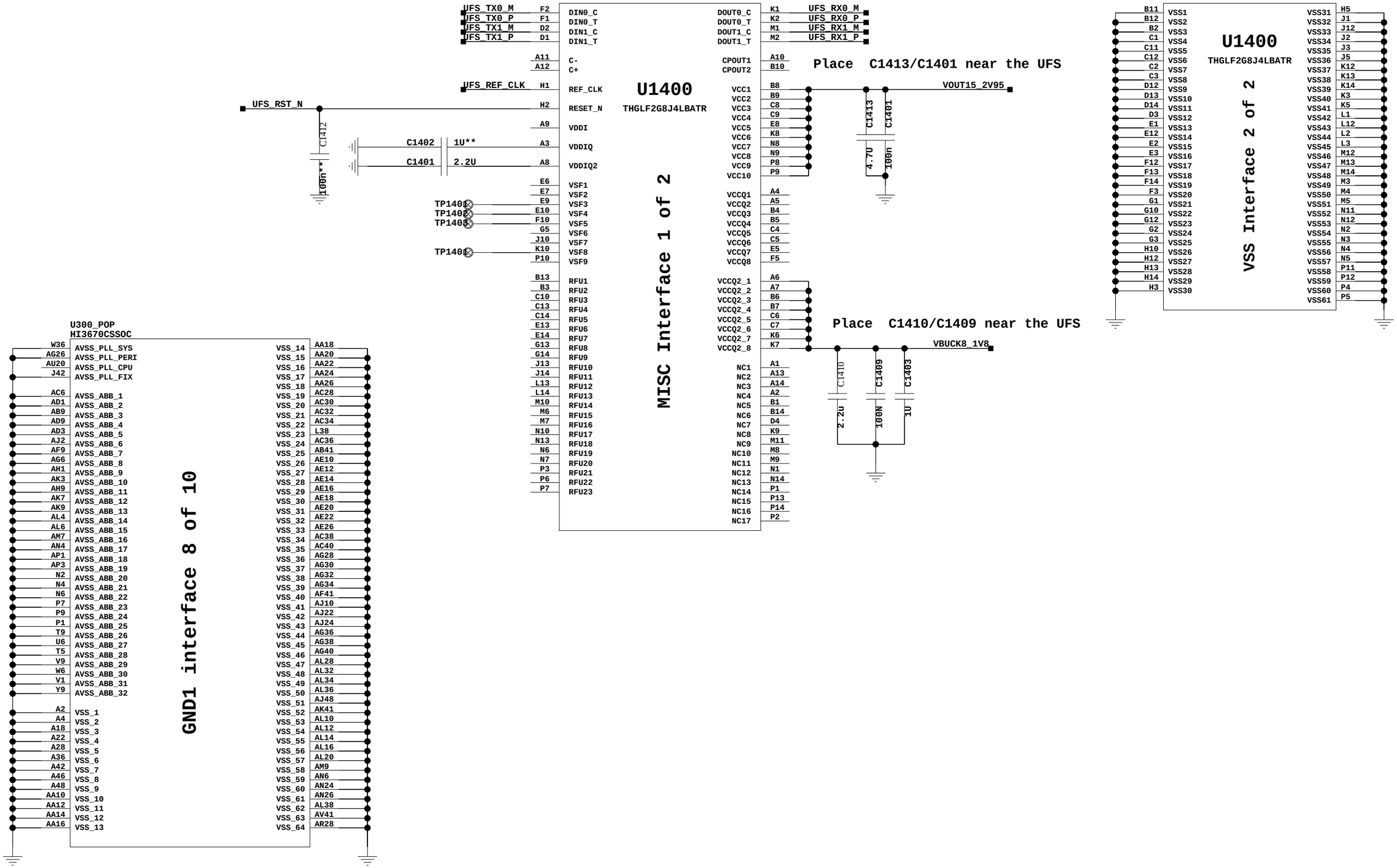


U1000
HI6421V610
MISC3 Interface 3 of 3
SOC_RST_PMU_N P10 HRESET_N
PMU0_INT L11 PMU0_IRQ_N
PERI_PMU_EN D5 PERI_PMU_EN
PMU_VBUS_SENSE K3 VBUS_SENSE
PWRON_N K5 PWRON_N
PMU_PWR_HOLD J4 PWR_HOLD
PMU_PERI_EN M10 PERI_EN
VBATT_CON F11 VBAT_SENSE
C1205 1N**
C1201 100n
C1202 100n**
C1210 100n
DGND_28 … DGND_41
SYS_RST_N M17 PMU_RST_OUT_N
FAULT_N E7 FAULT_N
DEFAULT_VOLTAGE_SEL E6 GND
FAST_PWRON_SEL E5 GND
DDR_VOLTAGE_SEL G4 GND
SPMI_SSI_SEL D4 GND
DFT_MODE K8
SRP G11 SRP
SRN H11 SRN
HKADC_IN0 … HKADC_IN13
HKADC_IN3_USB_TEMP
HKADC_IN6_DCloadswitch
BATT_TS
BATT_ID
SUB_BRD_ID
XOADC_IN
XIN_38M4_PMU A13 XIN_38M4
XOUT_38M4_PMU A12 XOUT_38M4
SYS_CLK_EN L17 SYS_CLK_EN
GND N9 WIFI1_CLK_EN
NFC_CLK_REQ R9 NFC_CLK_EN
CODEC_WIFI2_CLK D11 CLK_19M2
SYS_CLK_19M2 D13 R1205 33 SYS_CLK
RF0_CLK_38M4 D17
RF1_CLK_38M4 D15 RF0_CLK_38M4
ABB_CLK_38M4 B15 C1208 1n ABB_CLK_38M4
NFC_RF2_CLK A16 R1241 33 NFC_CLK_IN
WIFI1_CLK_38M4 B17
PMU_AUXDAC0_SSI L10 AUXDAC0_SSI
AUXDAC0 A7 RF_AUXDAC0
K10 AUXDAC1_SSI AUXDAC1 B7
L8 XOADC_SSI PMU_DATA M8 SPMI_DATA
G3 NFC_ON SPMI_CLK M6 SPMI_CLK
GPIO_205_SIM0_DET M16 SIM0_HPD
M12 SIM1_HPD
CLK32_SYS L9 PMU0_CLK32_SYS
CLK32_BT K9 CLK32_BFGN
CLK32_GPS M7
C1213 56P**
R1217 1MEG
R1214 1MEG
U1201 99011NXL
ISL91110IIAZ_T
VBAT_SYS
VDD_BUCK_BOOST
C1211 10u
GND_1201
L1201 1U
PVIN1 PVIN2 PVIN3 PVIN4 VIN
LX1_1 LX1_2 LX1_3 LX1_4
LX2_1 LX2_2 LX2_3 LX2_4
VOUT1 VOUT2 VOUT3 VOUT4
MODE EN FB SGND1 SGND2 PGND1 PGND2 PGND3
VOUT_PMUA_1V8
R1213 10K**
R1215 100K
R1216 30K
C1206 33P
C1214 22U
SG1201
R1229 150K** HKADC_IN2 R1230 20K** VOUT27_1V8
R1228 22K** HKADC_IN1 R1207 150K** VOUT27_1V8
R1224 22K** HKADC_IN0 R1208 150K** VOUT27_1V8
VOUT_PMUD R1231 100K PWRON_N
VOUT27_1V8
R1201 200K
SUB_BRD_ID
C1201 1N
VOUT27_1V8
R1206 100K
C1203 1N**
X1201
38.4MEG
12020358
XOADC_IN 4 SENSOR/RT1
XOUT_38M4_PMU 1 HOT/X_TAL/XT1
HOT/X_TAL/XT2 3 XIN_38M4_PMU
GND/RT2 2 AGND_OSC

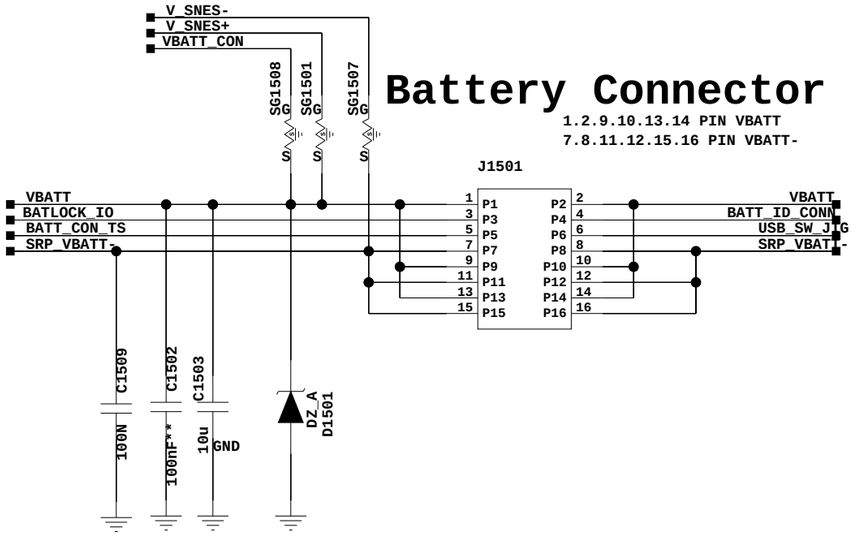
13.Hi6422V300

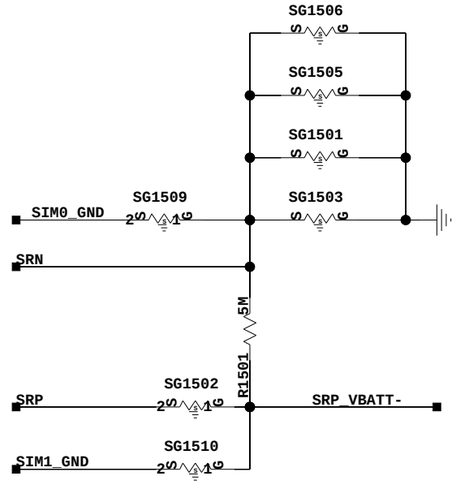


14.UFS and LPDDR4X

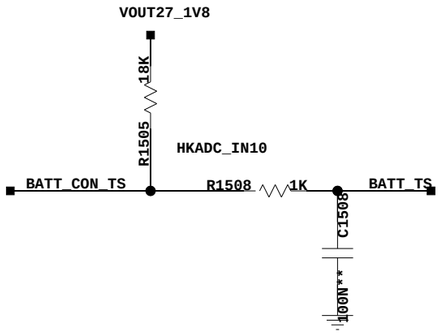


15. Battery & Fuel guage

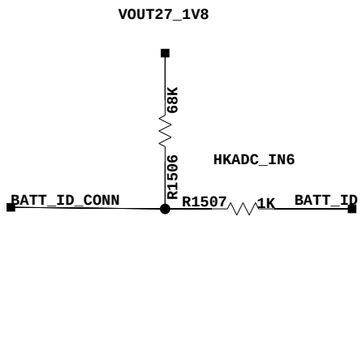




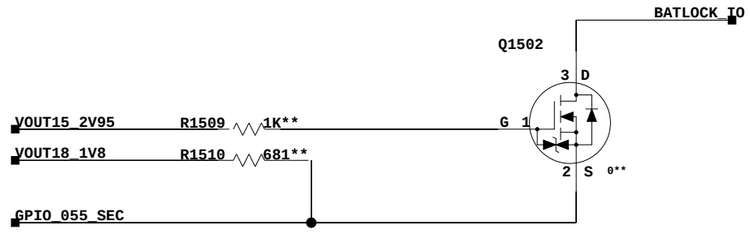
CAD note:
1.Trace for 9A
2.Differential trace



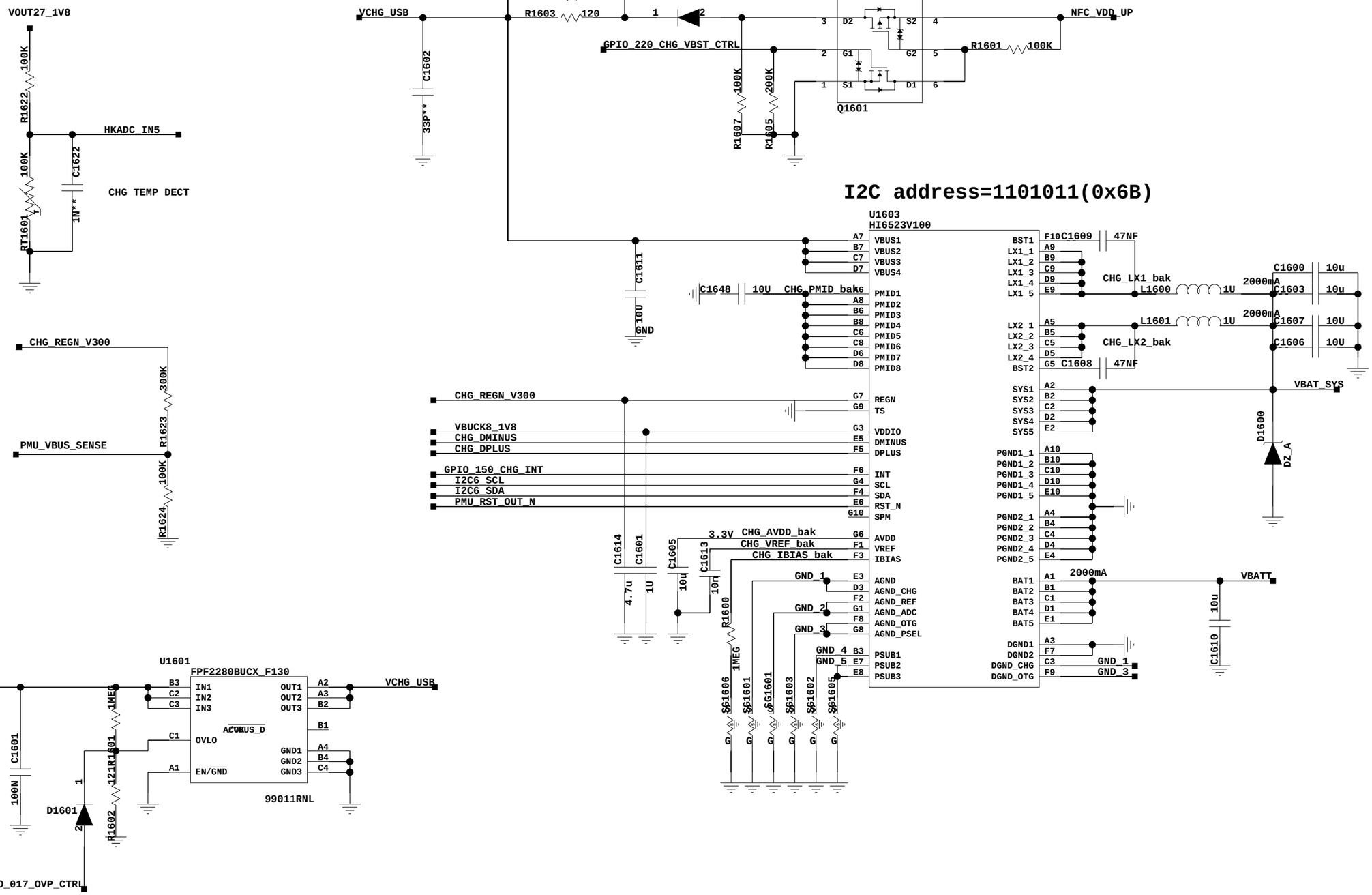
Battery Temperature



Battery ID



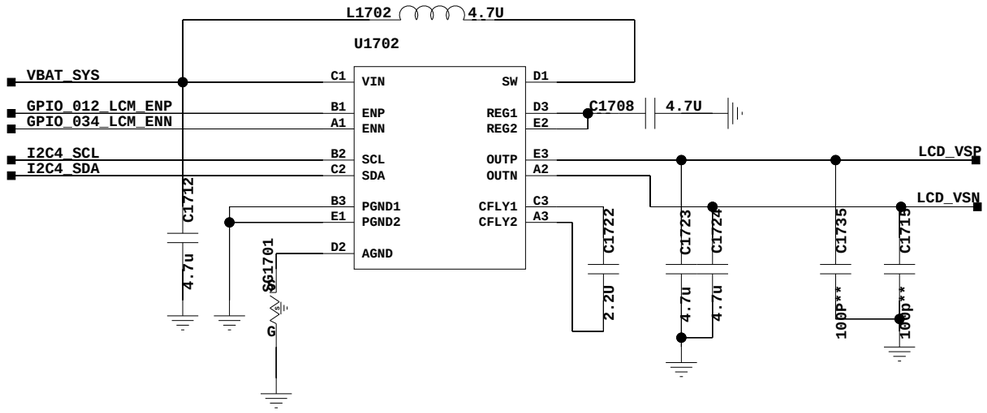
16. Charge Management



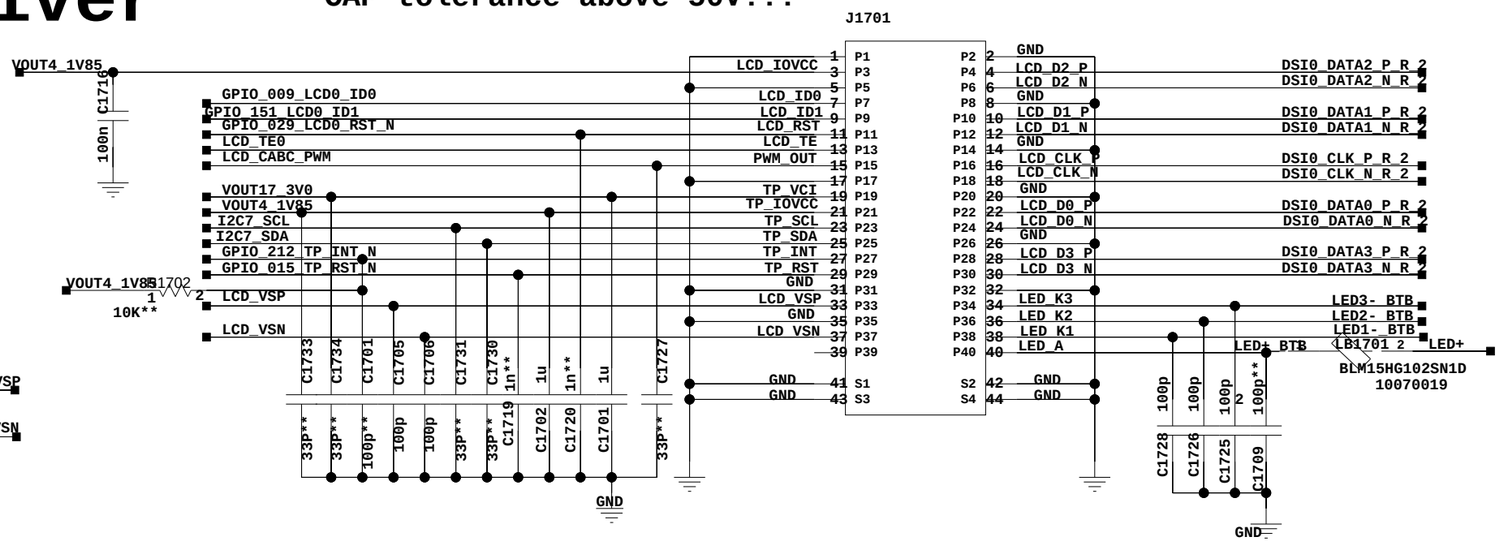
17. LCD Interface

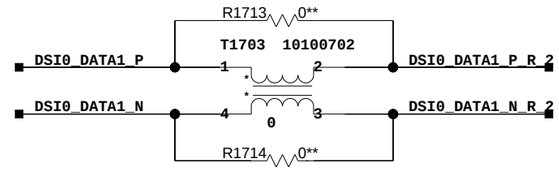
LCD POS/NEG Voltage Driver

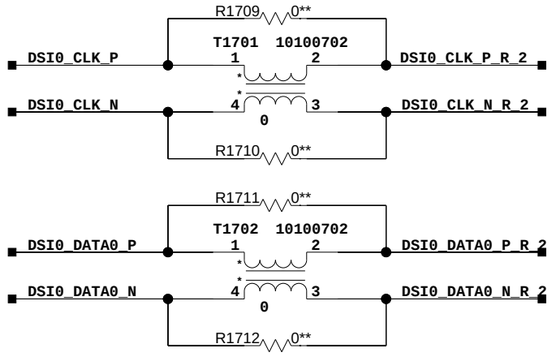
I2C address£º Richteck£¨0x73£©/TI£¨0x3E£©

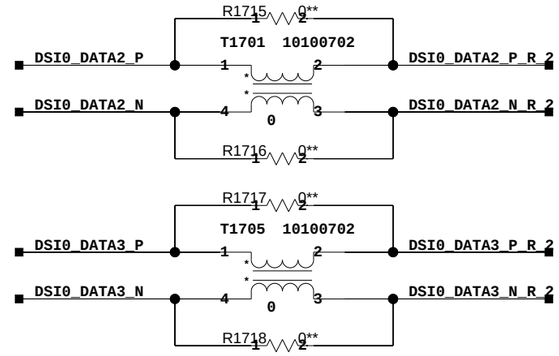


CAP tolerance above 50V!!!



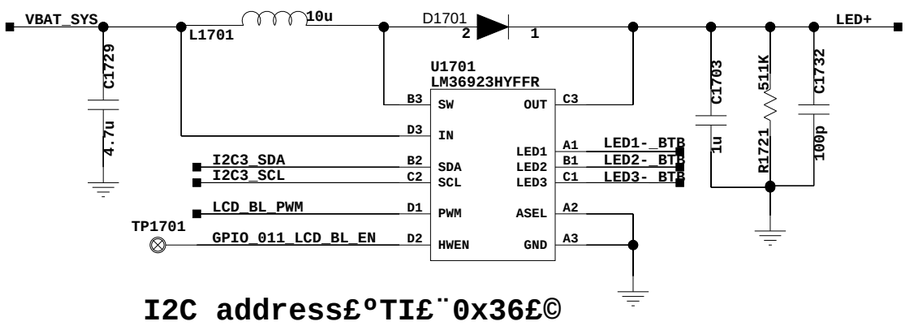






LCD BL DRIVER

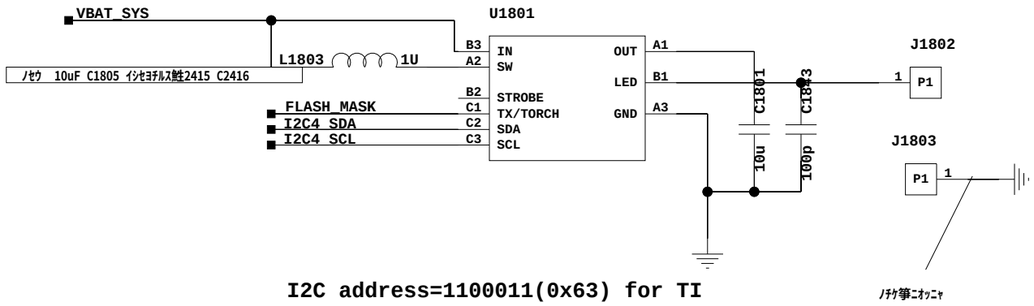
CAP tolerance above 50V!!!



I2C address£ºTI£¨0x36£©

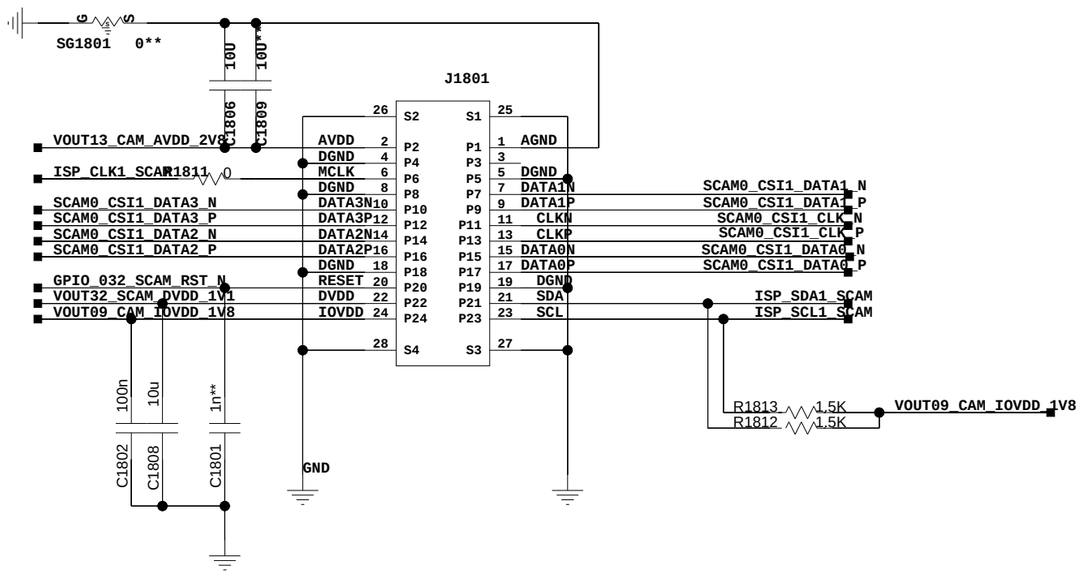
18. Flash/front Camera

Flash LED

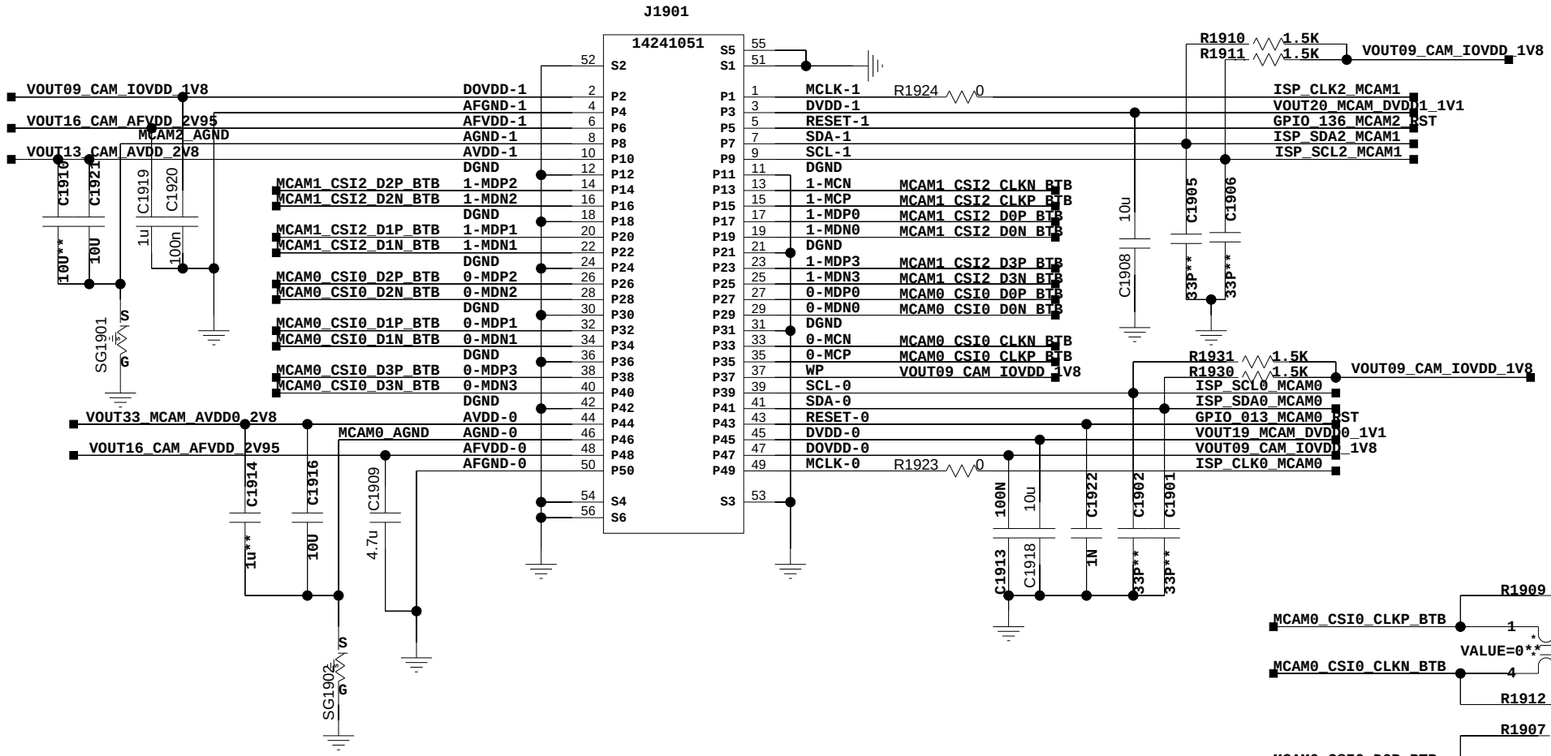


I2C address=1100011(0x63) for TI
I2C address=1100111(0x67) for MPS

24M S-Camera



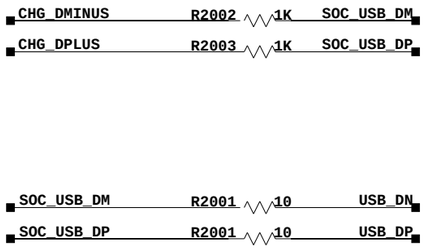
19. M1/M2



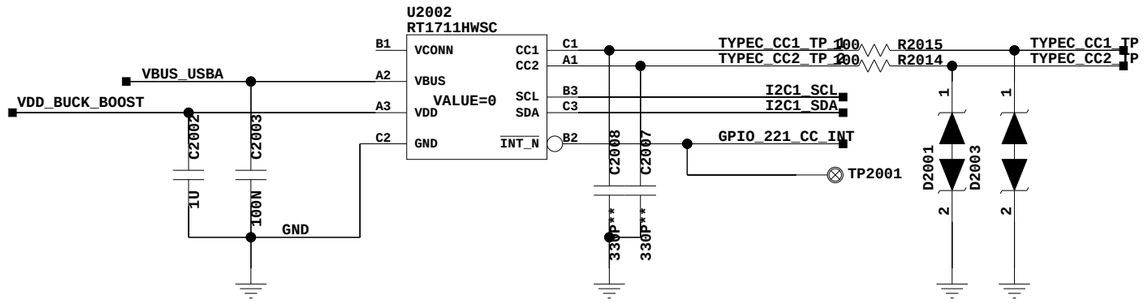
C19197荳　旗ｰｺｬｻ･ﾁｮﾎﾞｷｨｷﾅﾏﾂ 10/16

20. USB

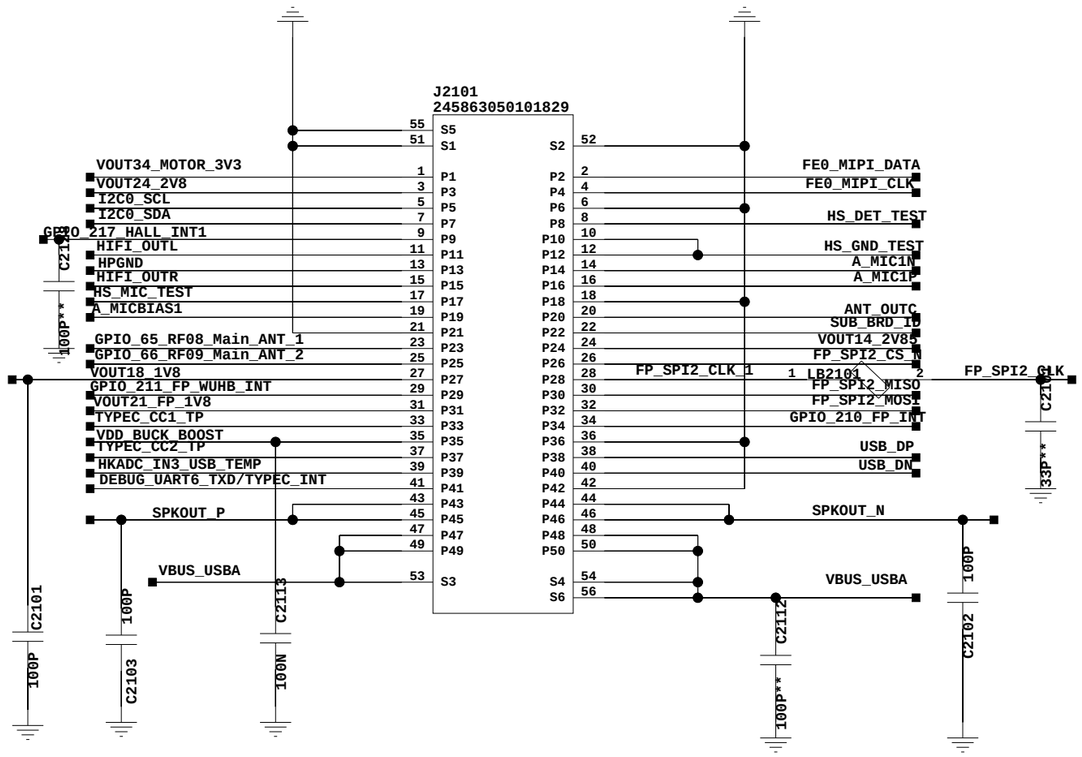
Trace width:80mil for 2A

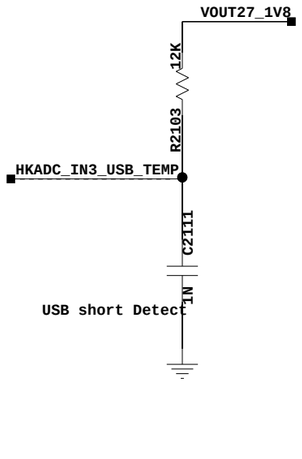


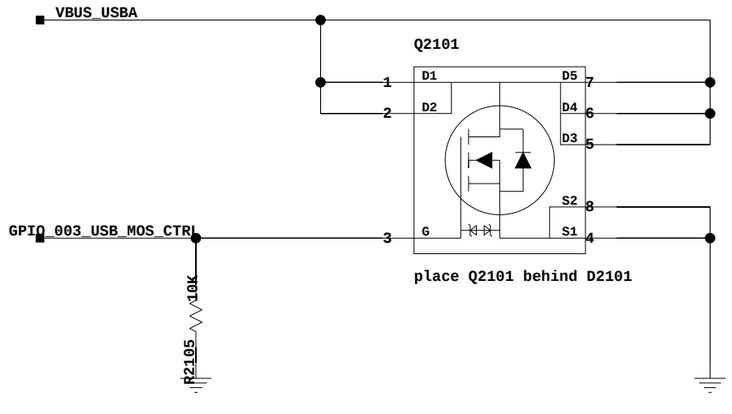
I2C Address:0X4E(Richtek)/0X20(TI)/0X22(FSC)



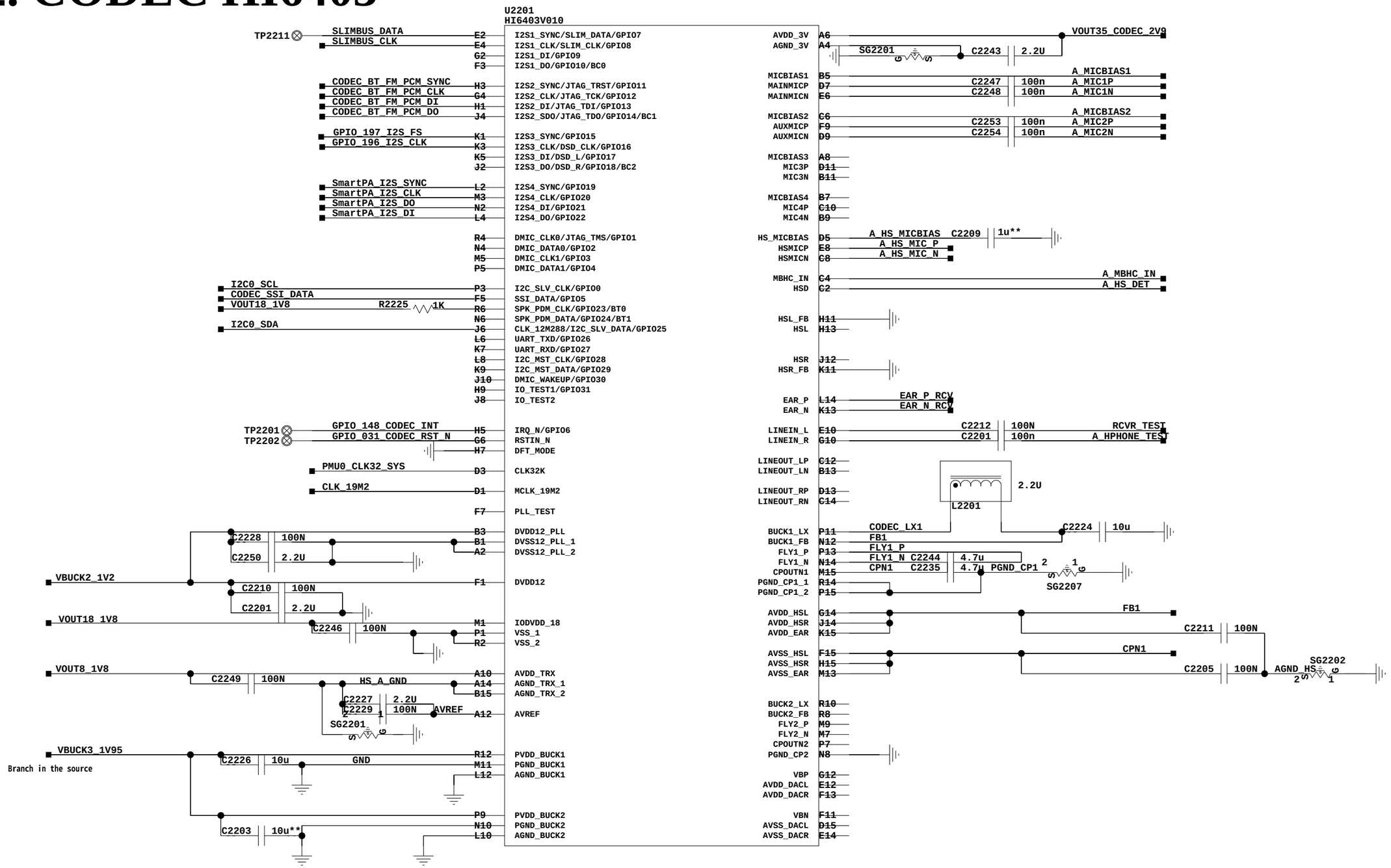
21. Main FPC/Wireless Power







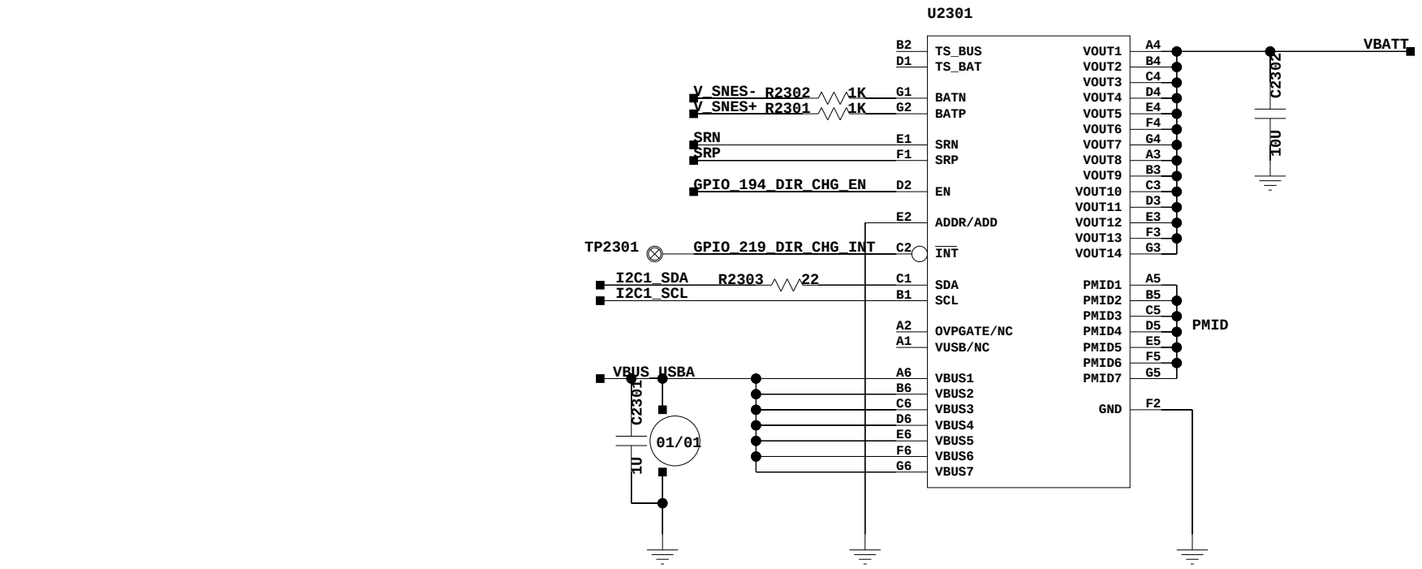
22. CODEC HI6403

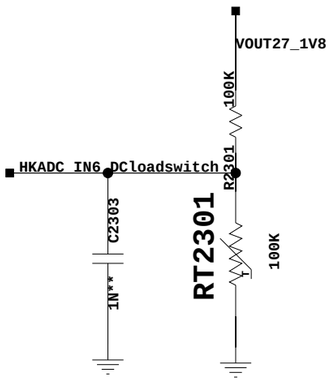


BootMode0	BootMode1	Function(BootROM Start)
1	1	SPI Start
1	0	SSI Start
0	1	I2C Start
0	0	SLIMBUS Start

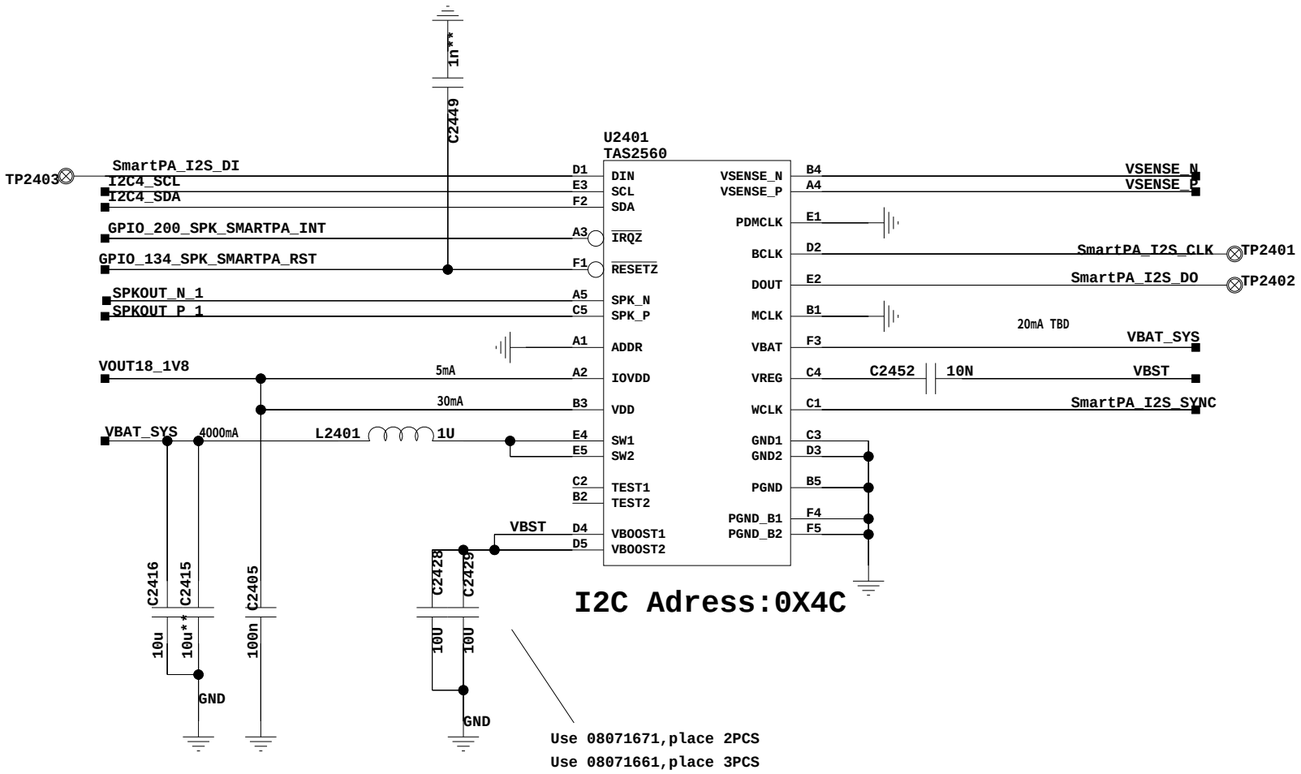
23. SC Charge

I2C Address=1100111(0x67)



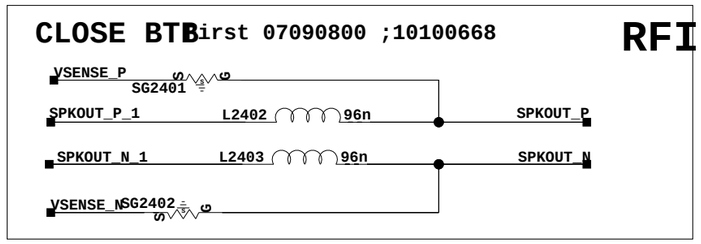


24. SPK SMART PA



CLOSE BTB first 07090800 ;10100668

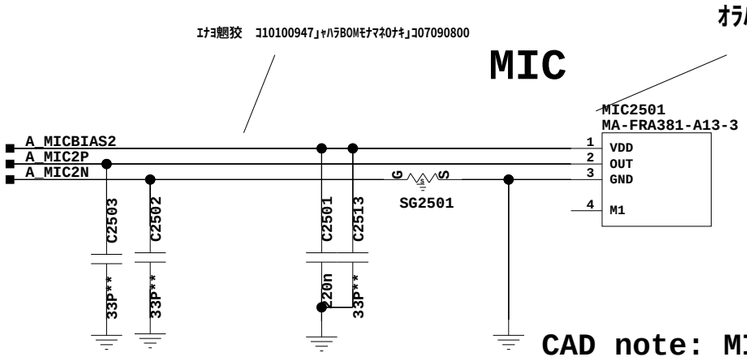
RFI



25. MIC/REC/HAC/HIFI

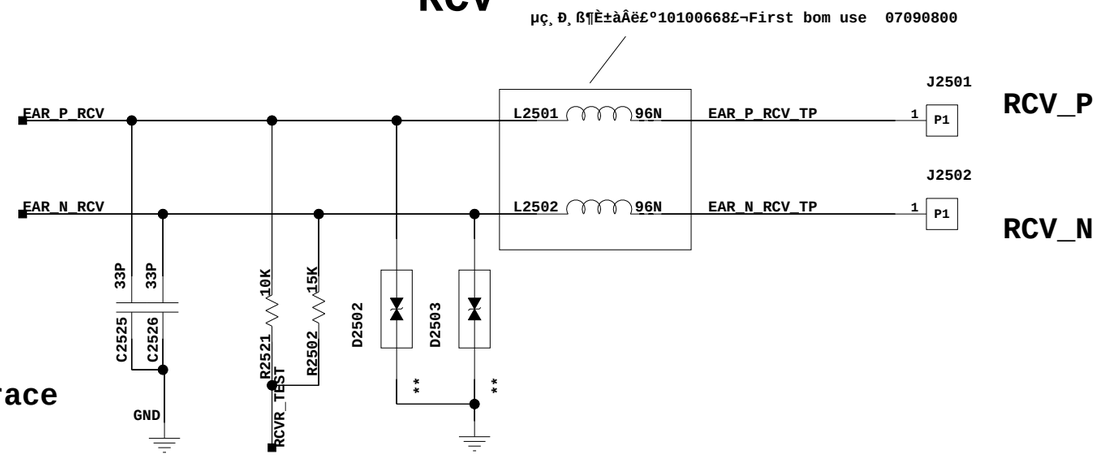
ユナフ惕

MIC



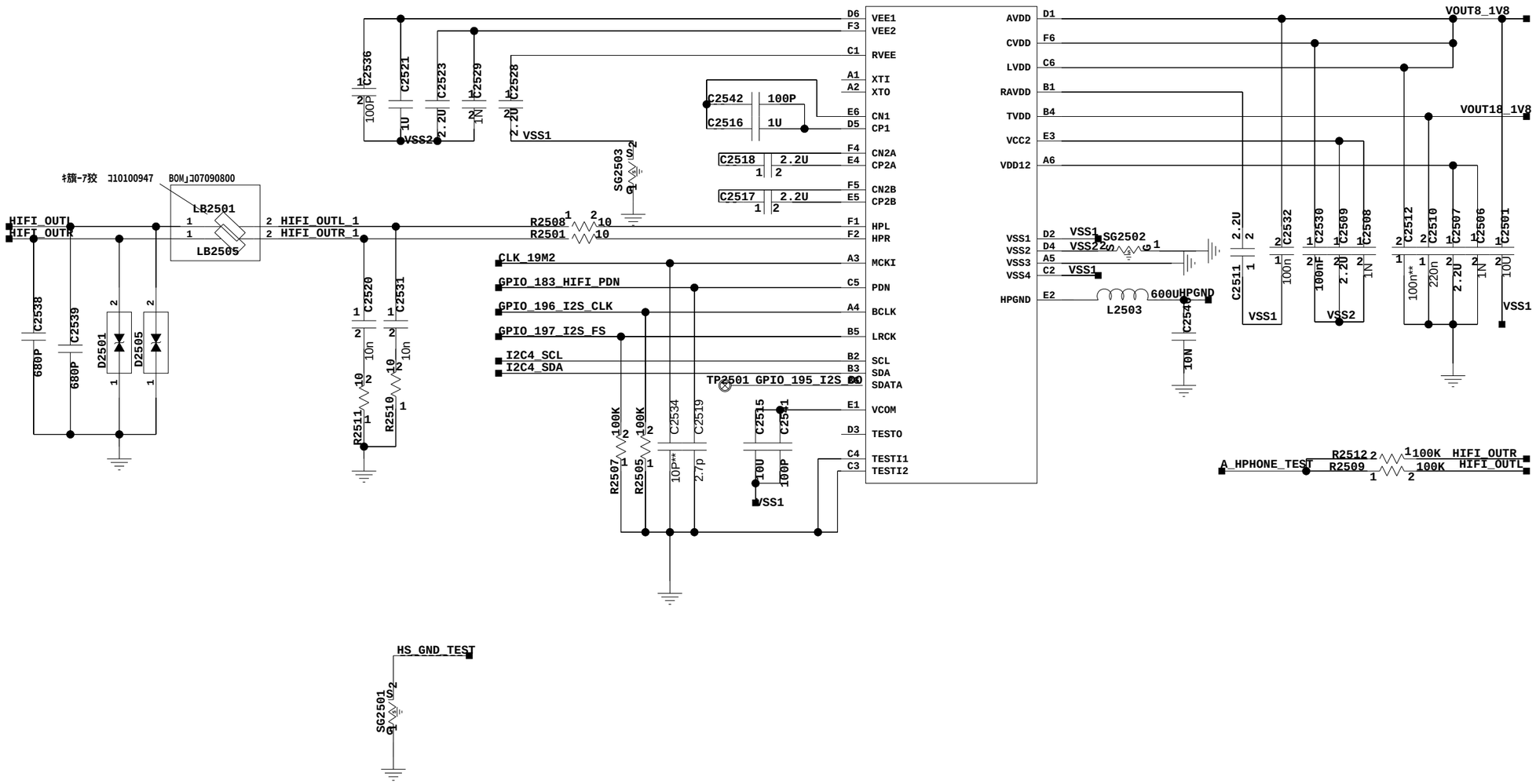
CAD note: MIC need differential trace

RCV

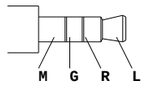


HIFI

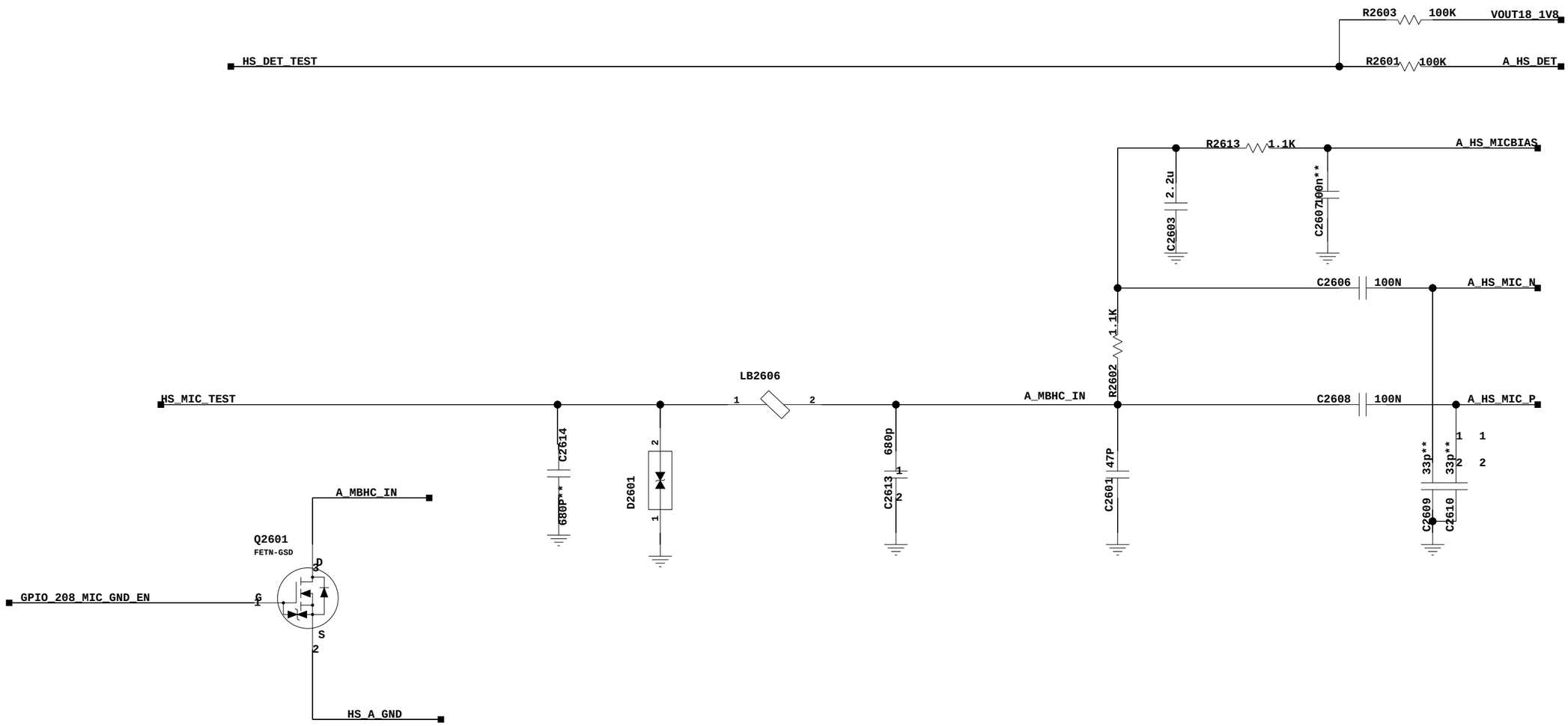
U2501 ADDR LOW I2C address=0010000



26. Headphone

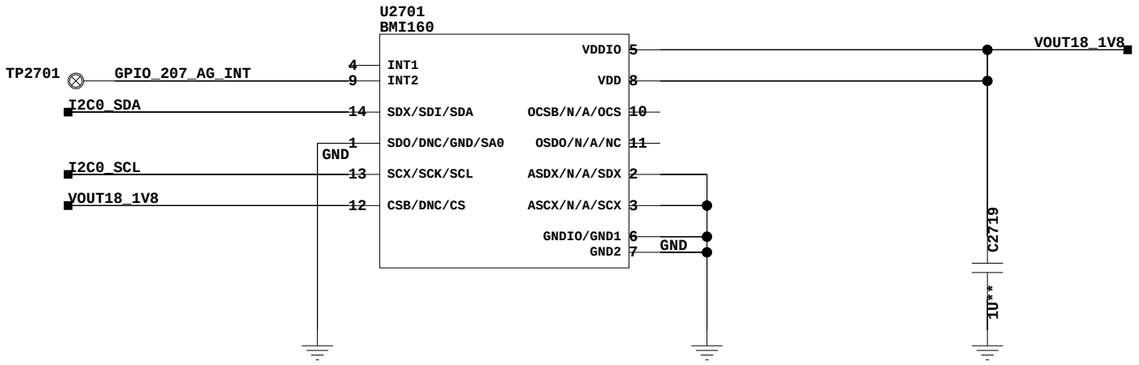


default



27. X-Sensor

Accelerometer and Gyroscope 6-AXIS SENSOR

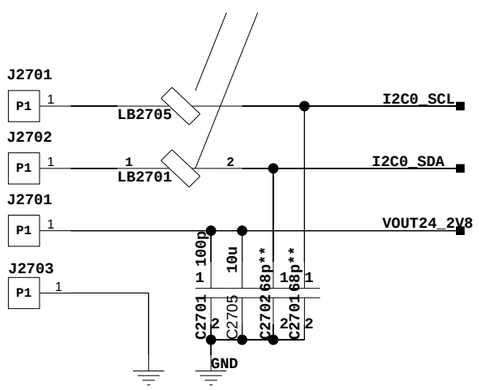


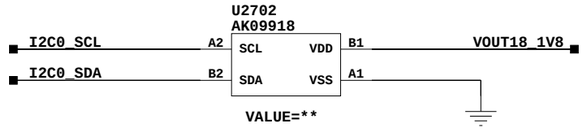
SDO=1 ADDRESS=0X6B(ST)/0X69(BOSCH)
SDO=0 ADDRESS=0X6A(ST)/0X68(BOSCH)

PROXIMITY&RGB AMBIENT

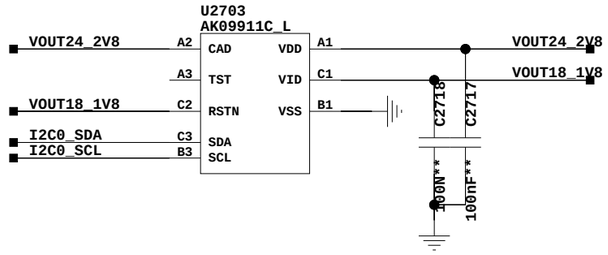
PROX ADDRESS=0X1E AMB ADDRESS=0X38

´ÅÖé±àÂë£º10100571£¬Ê×BOMÊ¹ÓÃ07090911





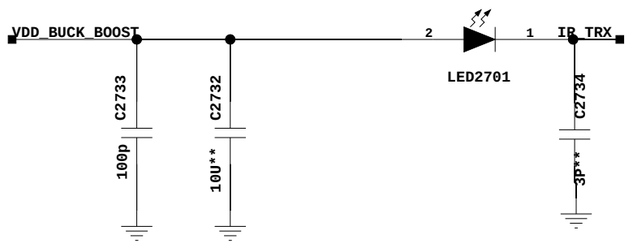
Compass



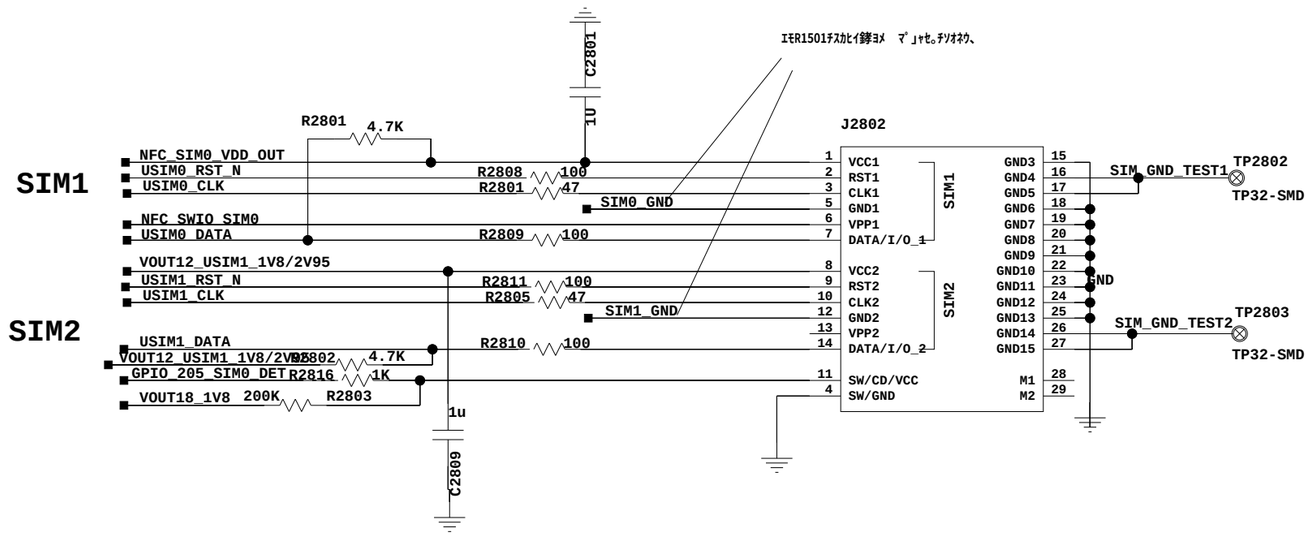
ADDRESS=0X0D

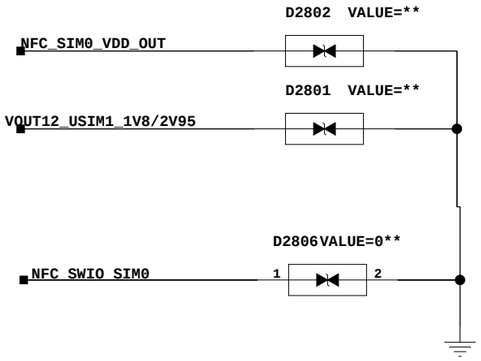
Default VDD_IR=2V85

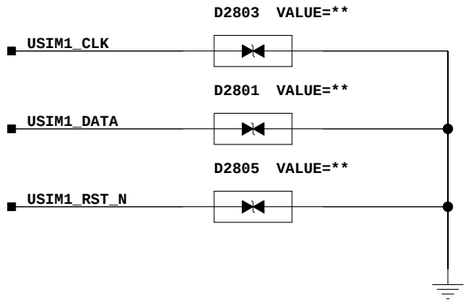
IR



28.SIM/uSD Card



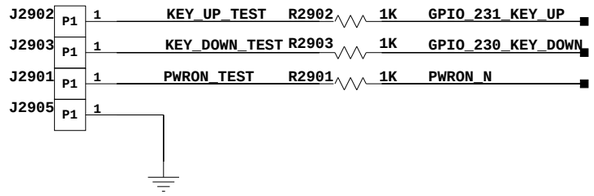




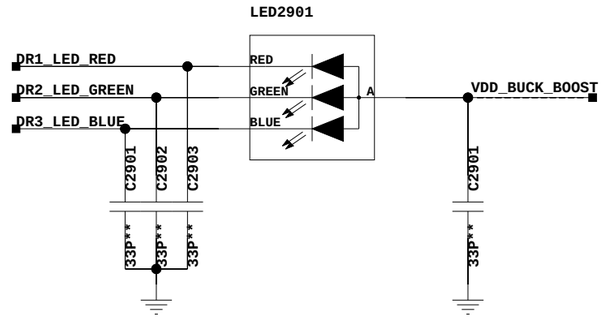
GPIO_202 \ SIM1_VCC	SE_VCC	VOUT12_2V95
H		○
L	○	

29. LED/FP/Key

KEY SPRING



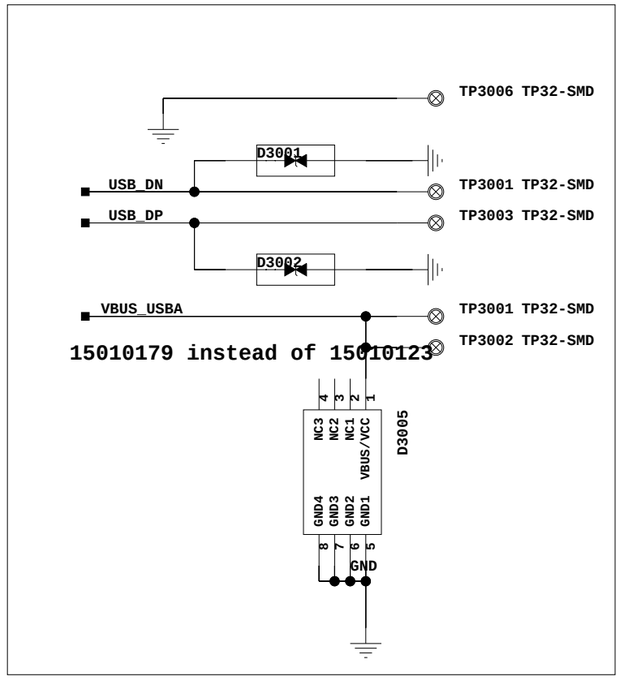
RGB LED



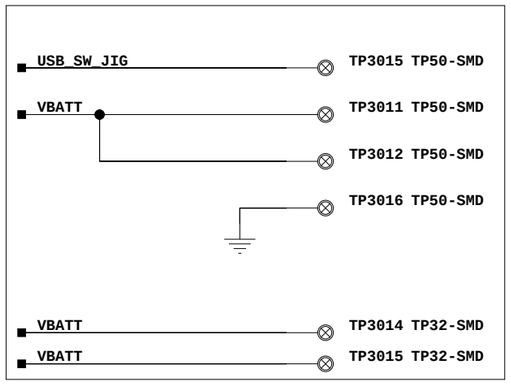
30. Test Points/Shields

VBUS/VBATT/D+/D-/USB_SW_JIG_TEST/:2*TP50

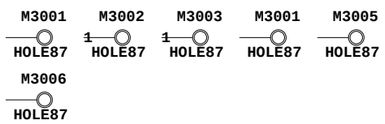
TEST POINT for CT and BT



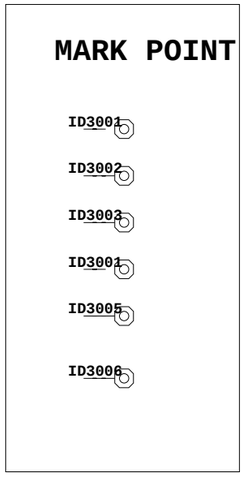
TEST POINT for PT



Hole

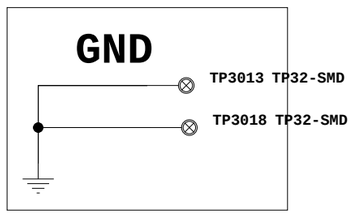


MARK POINT



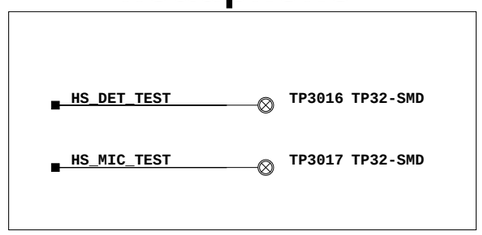
FUNCTION TEST

GND

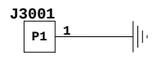


KEY

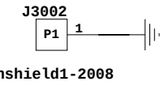
Headphone



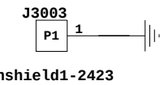
Tunner



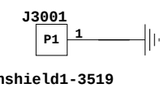
Charger



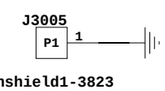
RF



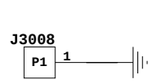
PMU



SOC



MIC



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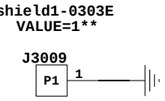
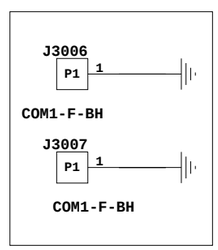


CAMスモオリオッニャ



31.RF Interface

RFIC IQ

CH0_RXA_I
CH0_RXA_Q
CH1_RXA_I
CH1_RXA_Q
CH4_RXA_I
CH4_RXA_Q

CH0_RXB_I
CH0_RXB_Q
CH1_RXB_I
CH1_RXB_Q
CH4_RXB_I
CH4_RXB_Q

CH0_TX_I_P
CH0_TX_I_N
CH0_TX_Q_P
CH0_TX_Q_N

CH0_MRX_I
CH0_MRX_Q

POWER

VBAT_SYS
VDD_BUCK_BOOST

VOUT8_1V8
VOUT3_1V8
VOUT1_1V09
VREF_RF

VOUT14_2V85
VOUT28_1V8

VOUT27_1V8
VOUT18_1V8

GSM

RF_AUXDAC0
GMSK_PH0

CLK

RF0_CLK_38M4

HKADC

HKADC_IN4

MIPI Interface

RFIC0_MIPI_CLK
RFIC0_MIPI_DATA

FE0_MIPI_CLK
FE0_MIPI_DATA

FE1_MIPI_CLK
FE1_MIPI_DATA

GPIO Interface

GPIO_61_RF01_APT_EN
GPIO_62_RF05_CHO_APT_PDM
GPIO_63_RF06_APT_BP
APT

GPIO_64_RF07_DPDT
DPDT

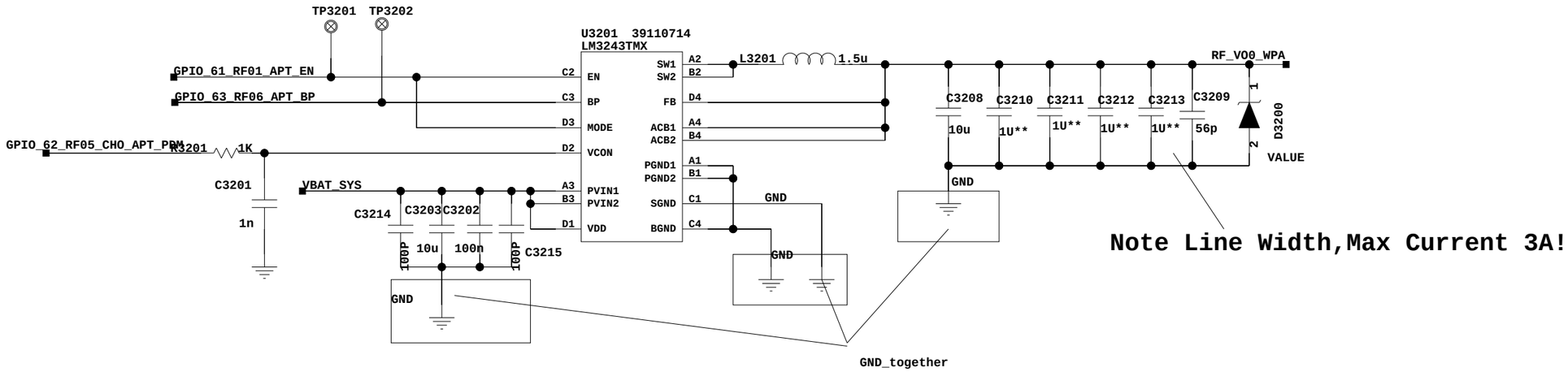
GPIO_182_ANT_DET0
ANT_DETECT

ANT Interface

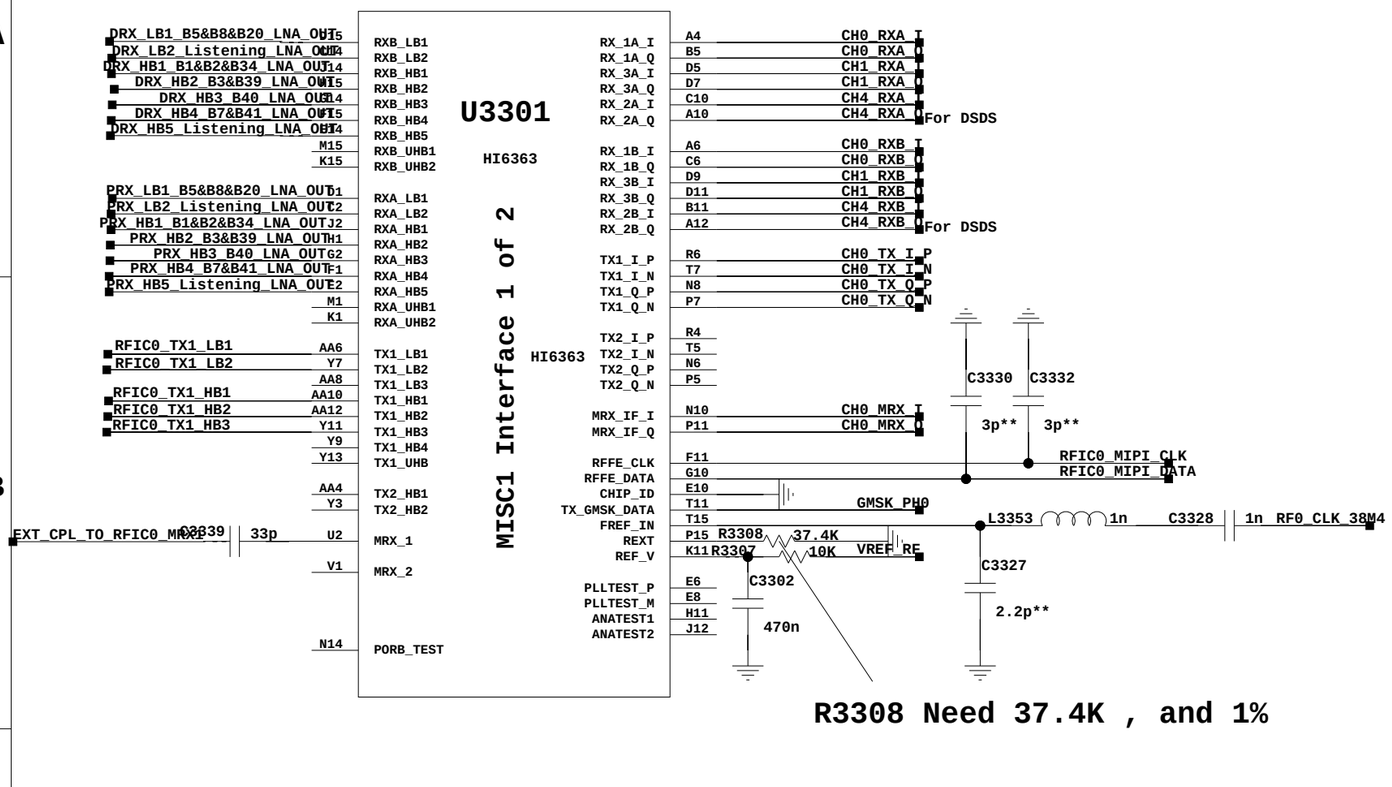
Main_ANT_GPIO
GPIO_65_RF08_Main_ANT_1
GPIO_66_RF09_Main_ANT_2
For SP4T

DIV_ANT_GPIO
GPIO_70_RF13_DIV_ANT_1
GPIO_71_RF14_DIV_ANT_2
For SPDT

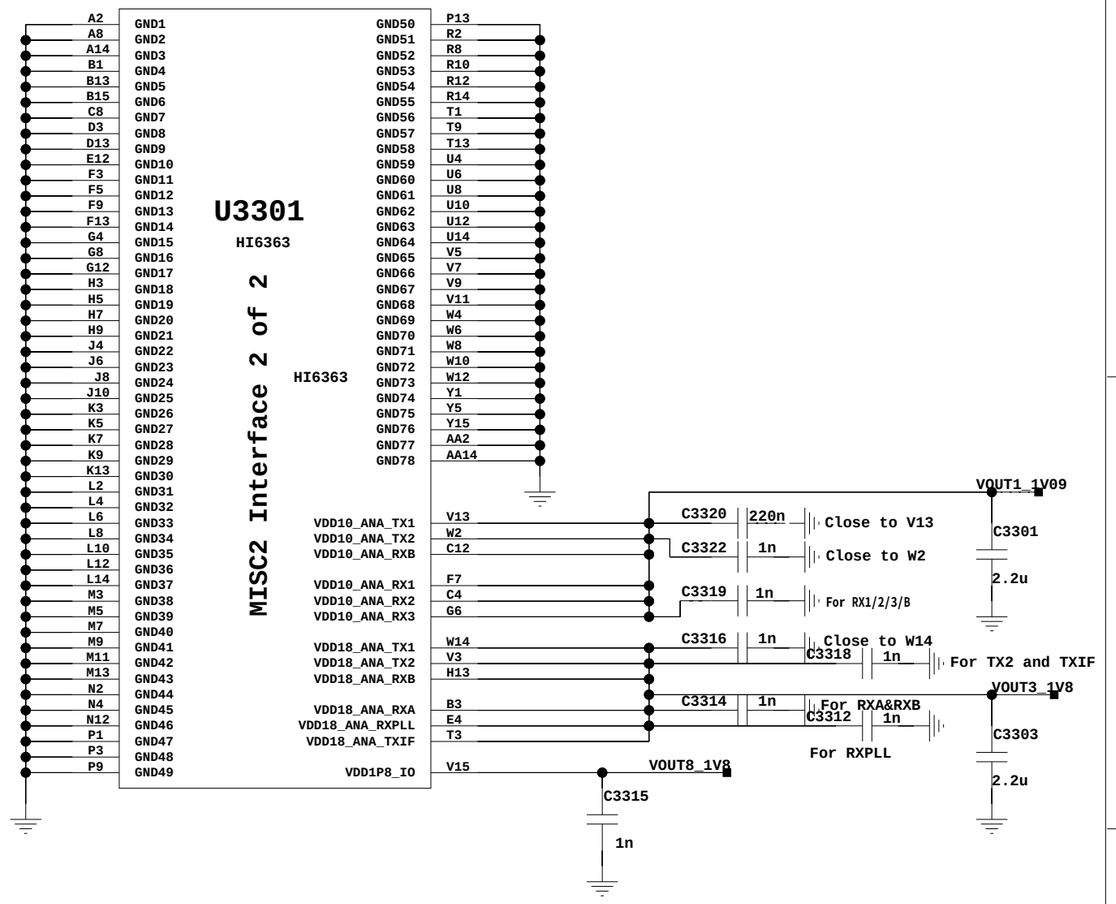
32 APT_LM3243

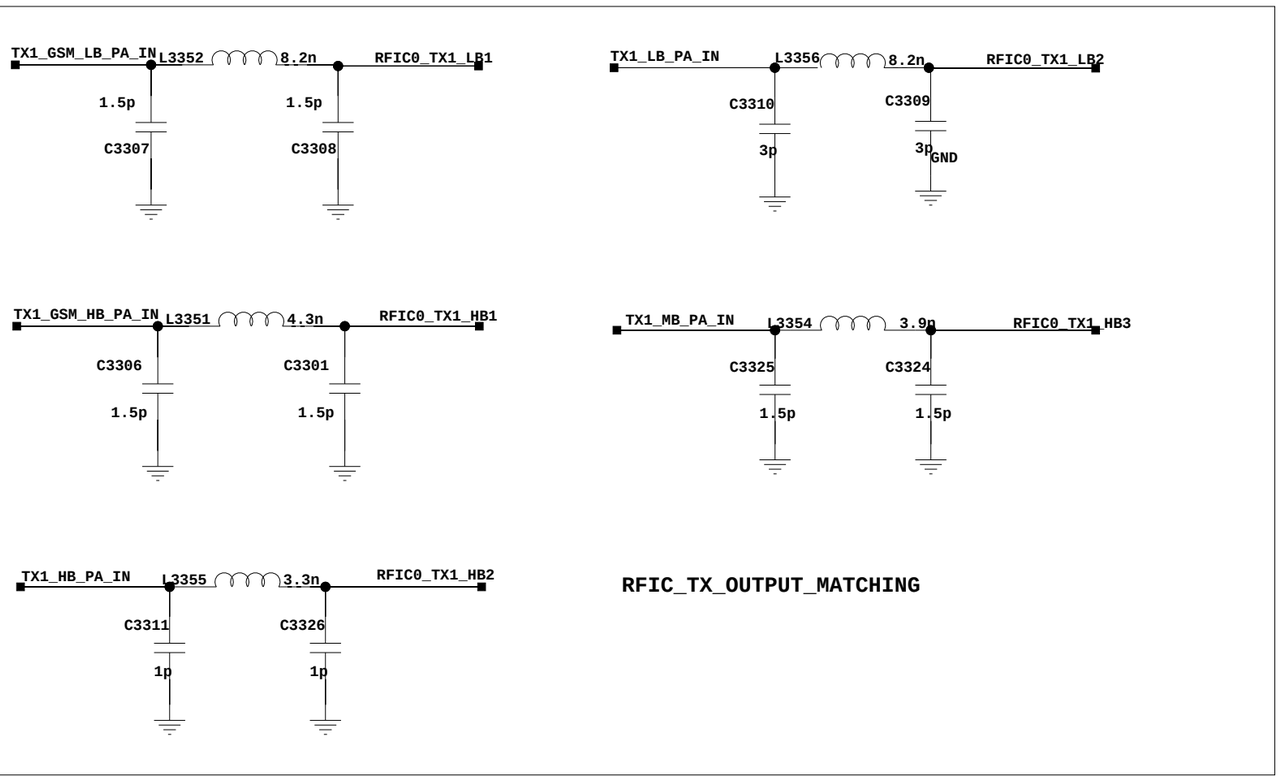


33.RFIC0_Hi6363



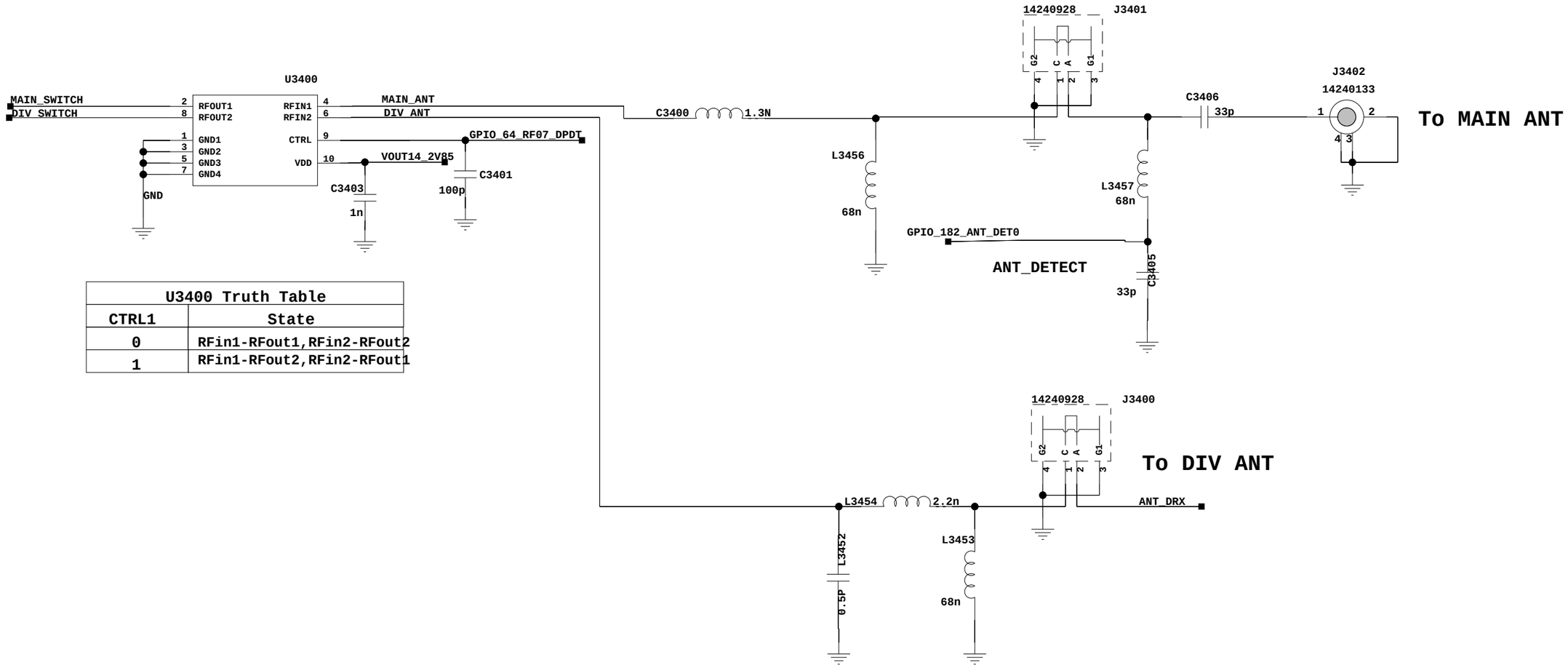
R3308 Need 37.4K , and 1%





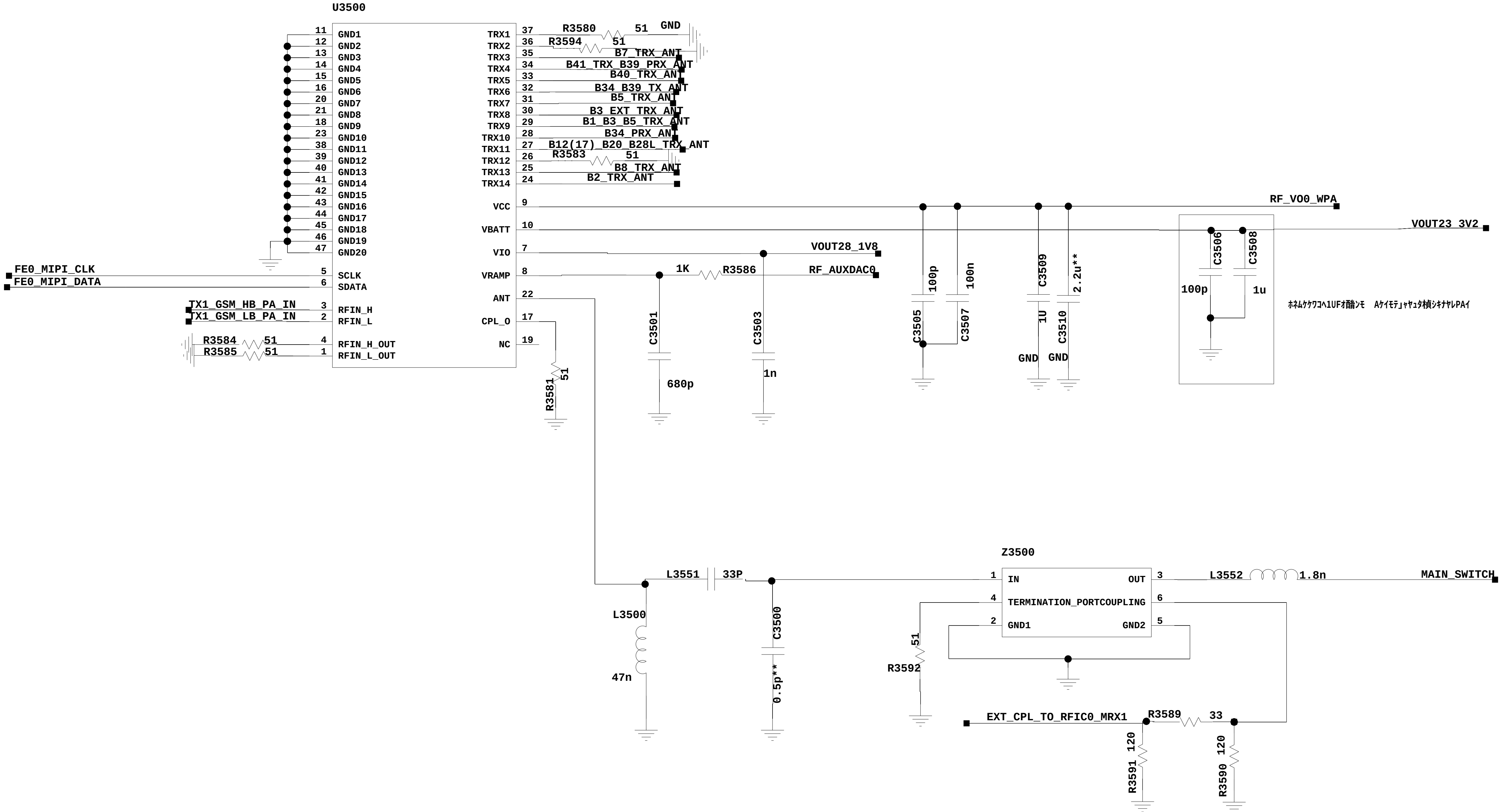
RFIC_TX_OUTPUT_MATCHING

34 DPDT_Connector



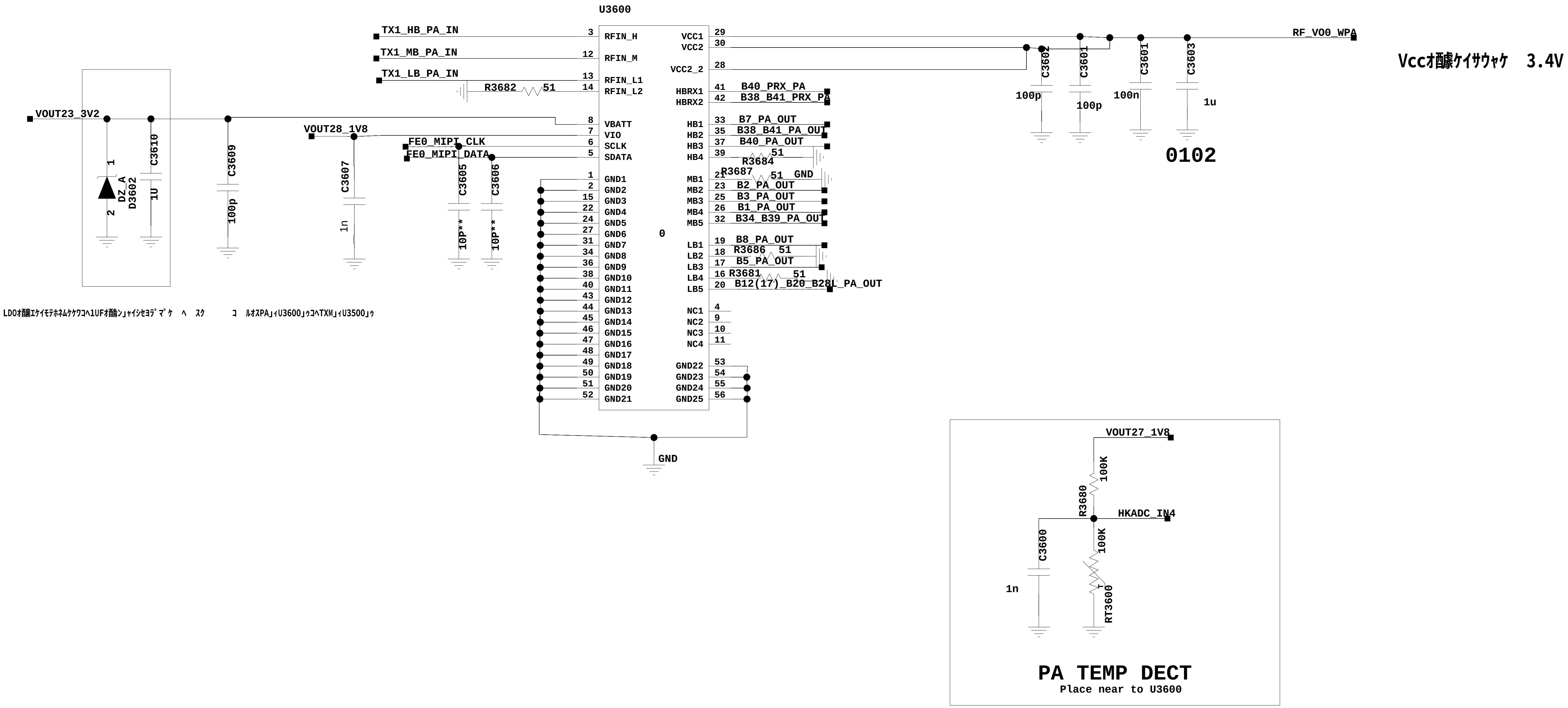
U3400 Truth Table	
CTRL1	State
0	RFin1-RFout1,RFin2-RFout2
1	RFin1-RFout2,RFin2-RFout1

35. TXM



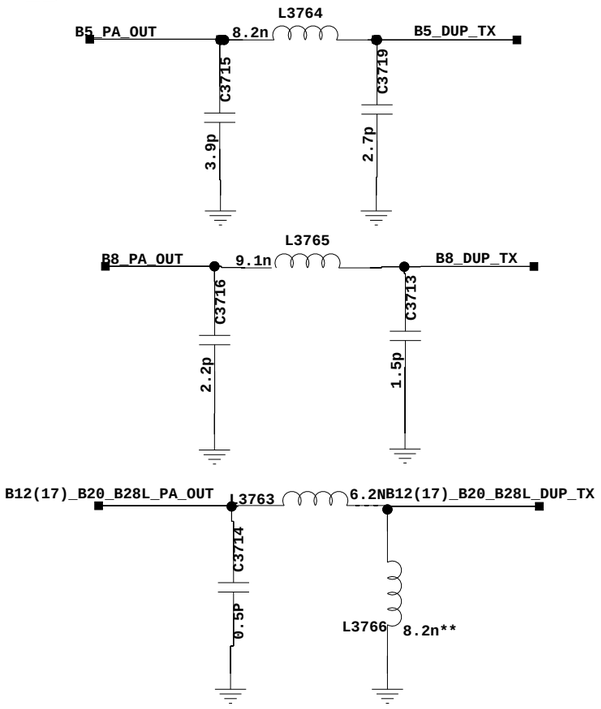
U3500
GND1
GND2
GND3
GND4
GND5
GND6
GND7
GND8
GND9
GND10
GND11
GND12
GND13
GND14
GND15
GND16
GND17
GND18
GND19
GND20
SCLK
SDATA
RFIN_H
RFIN_L
RFIN_H_OUT
RFIN_L_OUT
TRX1
TRX2
TRX3
TRX4
TRX5
TRX6
TRX7
TRX8
TRX9
TRX10
TRX11
TRX12
TRX13
TRX14
VCC
VBATT
VIO
VRAMP
ANT
CPL_O
NC
FE0_MIPI_CLK
FE0_MIPI_DATA
TX1_GSM_HB_PA_IN
TX1_GSM_LB_PA_IN
R3584 51
R3585 51
R3580 51
GND
R3594 51
B7_TRX_ANT
B41_TRX_B39_PRX_ANT
B40_TRX_ANT
B34_B39_TX_ANT
B5_TRX_ANT
B3_EXT_TRX_ANT
B1_B3_B5_TRX_ANT
B34_PRX_ANT
B12(17)_B20_B28L_TRX_ANT
R3583 51
B8_TRX_ANT
B2_TRX_ANT
RF_VO0_WPA
VOUT23_3V2
VOUT28_1V8
1K R3586
RF_AUXDAC0
R3581 51
C3501 680p
C3503 1n
C3505 100p
C3507 100n
C3509 1U
C3510 2.2u**
GND
GND
C3506 100p
C3508 1u
Z3500
IN
OUT
TERMINATION_PORTCOUPLING
GND1
GND2
L3551 33P
L3500 47n
C3500 0.5p**
L3552 1.8n
MAIN_SWITCH
R3592 51
EXT_CPL_TO_RFIC0_MRX1
R3589 33
R3591 120
R3590 120

36 MMBPA

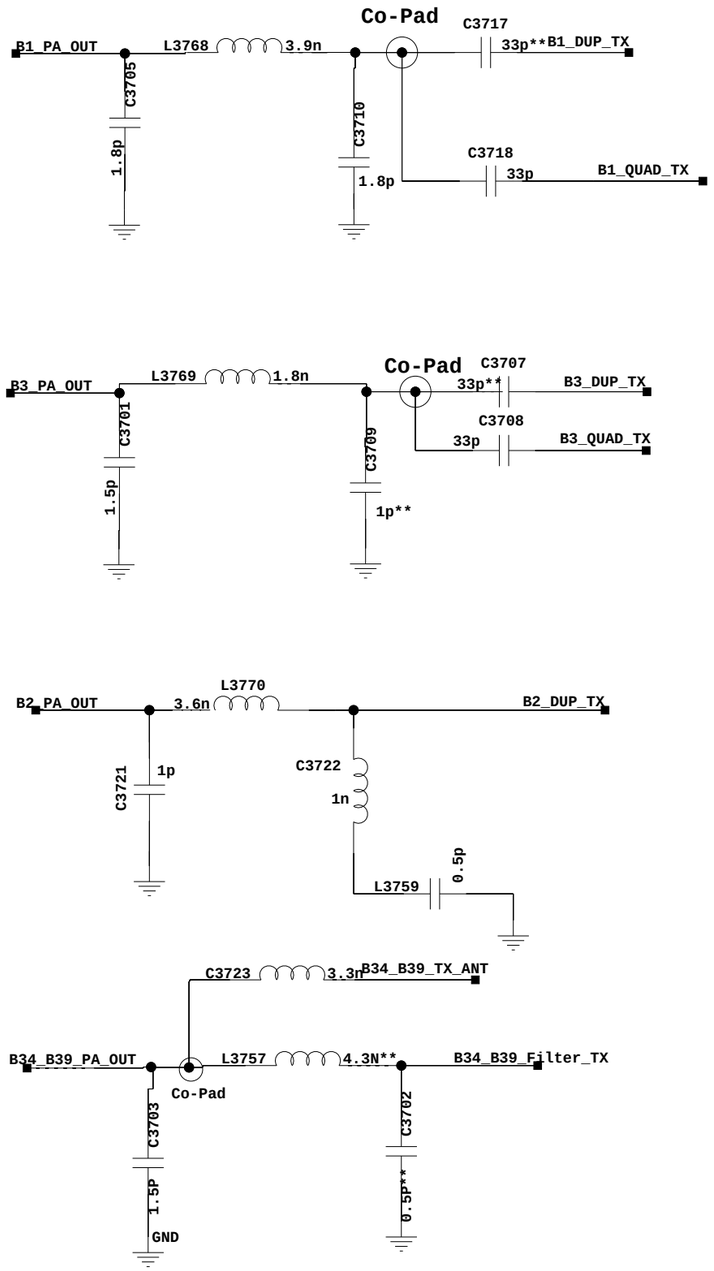

U3600
TX1_HB_PA_IN
TX1_MB_PA_IN
TX1_LB_PA_IN
R3682 51
VOUT23_3V2
VOUT28_1V8
FE0_MIPI_CLK
FE0_MIPI_DATA
RFIN_H
RFIN_M
RFIN_L1
RFIN_L2
VBATT
VIO
SCLK
SDATA
VCC1
VCC2
VCC2_2
HBRX1
HBRX2
HB1
HB2
HB3
HB4
MB1
MB2
MB3
MB4
MB5
LB1
LB2
LB3
LB4
LB5
NC1
NC2
NC3
NC4
GND1 … GND25
B40_PRX_PA
B38_B41_PRX_PA
B7_PA_OUT
B38_B41_PA_OUT
B40_PA_OUT
R3684 51
R3687 51 GND
B2_PA_OUT
B3_PA_OUT
B1_PA_OUT
B34_B39_PA_OUT
B8_PA_OUT
R3686 51
B5_PA_OUT
R3681 51
B12(17)_B20_B28L_PA_OUT
GND
D3602 DZ_A
C3610 1U
C3609 100p
C3607 1n
C3605 10P**
C3606 10P**
RF_VO0_WPA
C3602 100p
C3601 100p
C3601 100n
C3603 1u
0102
Vccオ酊豫ケイサウャケ 3.4V
LDOオ酊籙エケイモテホネムケケワコヘ1UFオ酊鉛ン｣ャイシセヨラﾞマﾞケ ヘ スク コ ルオスPA｣ィU3600｣ゥコヘTXM｣ィU3500｣ゥ
VOUT27_1V8
R3680 100K
HKADC_IN4
C3600 1n
RT3600 100K
PA TEMP DECT
Place near to U3600

37.TX_Loadpull

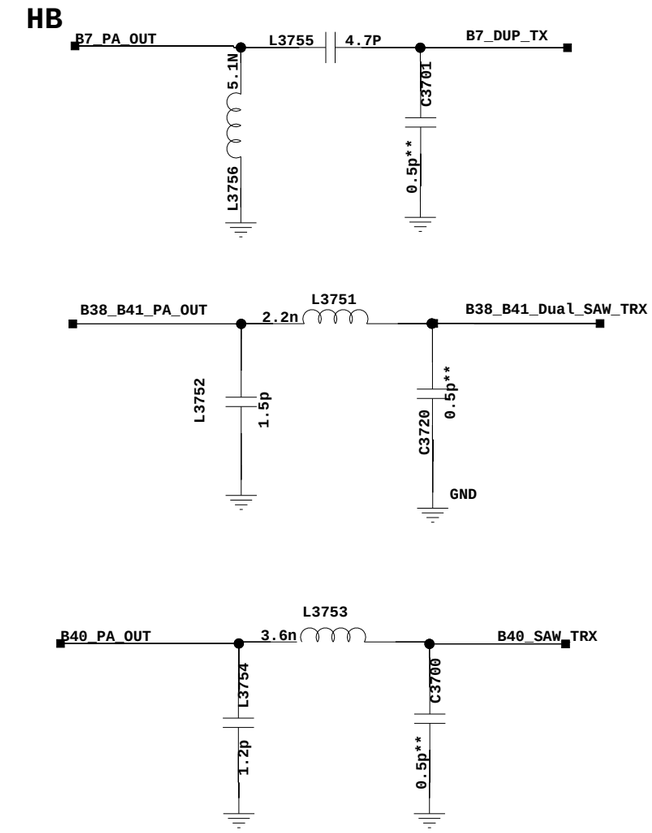
LB



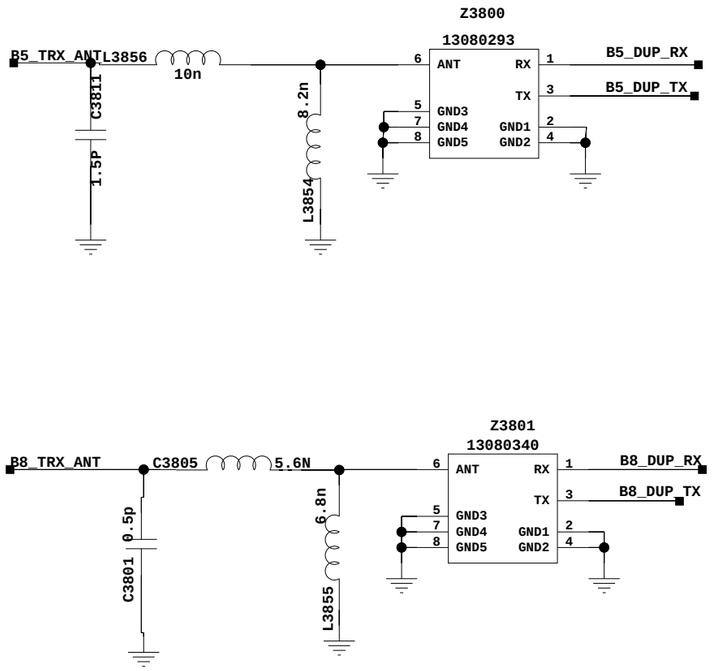
MB

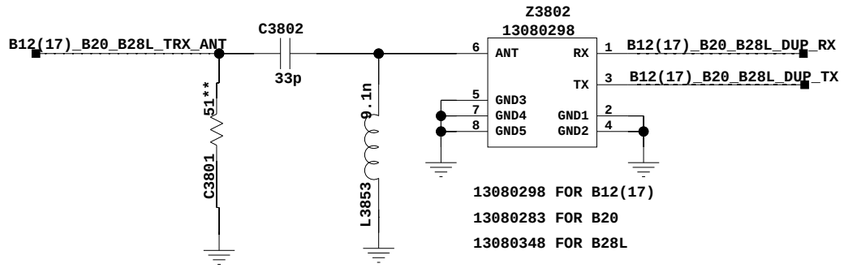


HB

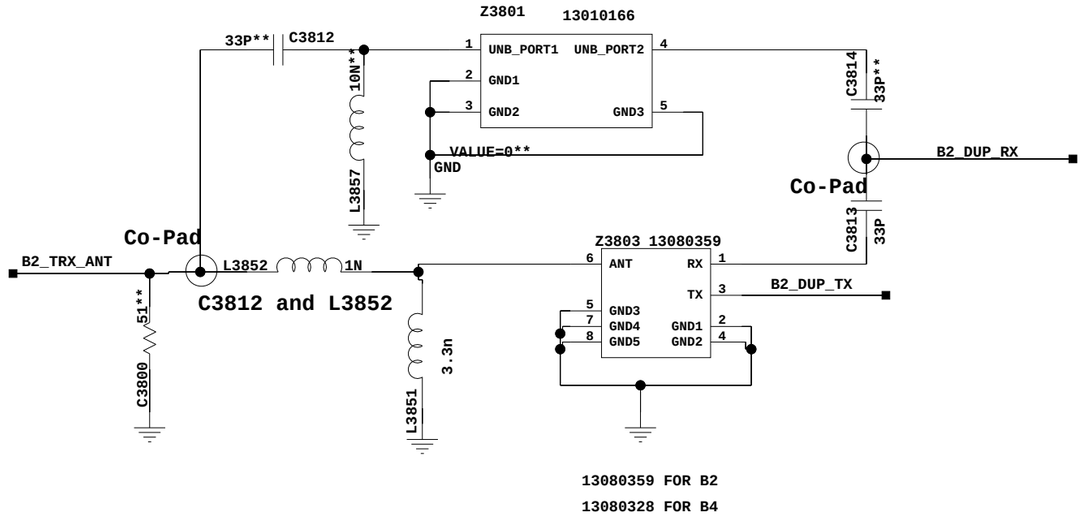


38 TRX_LB_1


Z3800
13080293
B5_TRX_ANT
L3856
10n
C3811
1.5P
8.2n
L3854
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B5_DUP_RX
B5_DUP_TX

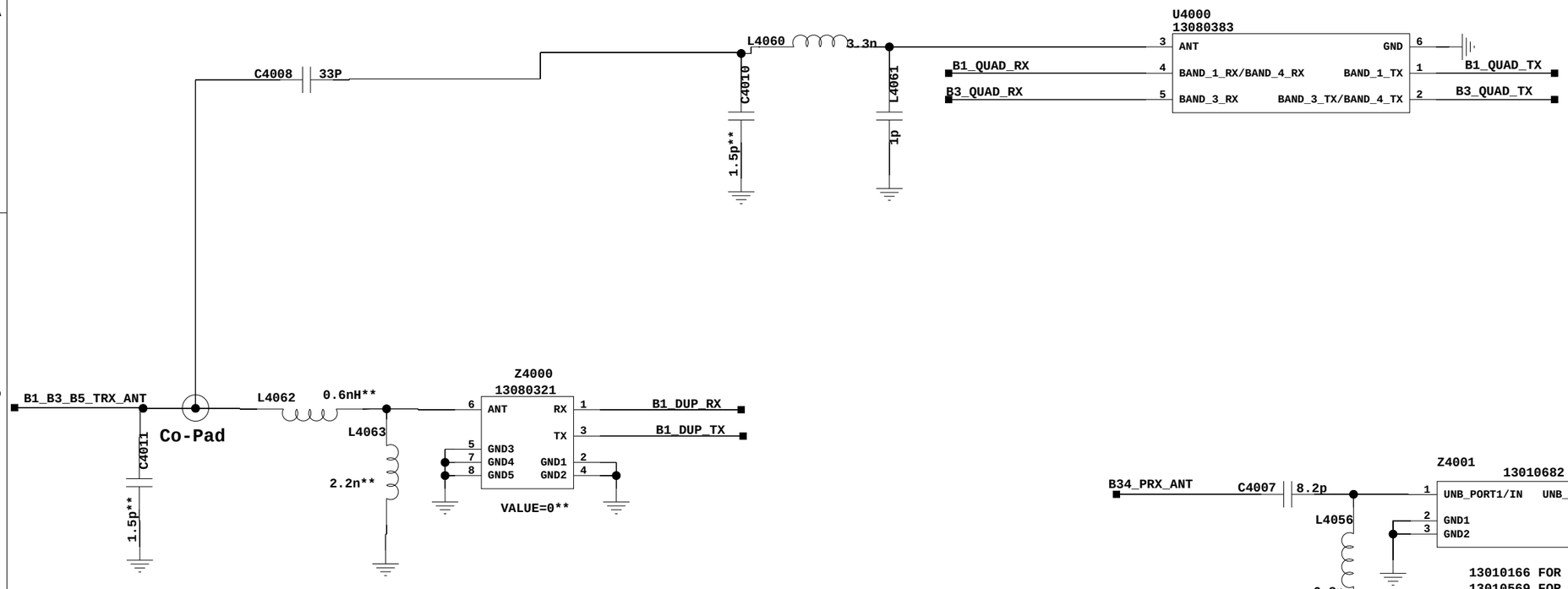

Z3802
13080298
B12(17)_B20_B28L_TRX_ANT
C3802
33p
51**
C3801
9.1n
L3853
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B12(17)_B20_B28L_DUP_RX
B12(17)_B20_B28L_DUP_TX
13080298 FOR B12(17)
13080283 FOR B20
13080348 FOR B28L

Z3801
13080340
B8_TRX_ANT
C3805
5.6N
C3801
0.5p
6.8n
L3855
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B8_DUP_RX
B8_DUP_TX


Z3801
13010166
33P**
C3812
10N**
L3857
UNB_PORT1
UNB_PORT2
GND1
GND2
GND3
VALUE=0**
GND
C3814
33P**
B2_DUP_RX
Co-Pad
C3813
33P
Co-Pad
Z3803 13080359
B2_TRX_ANT
L3852
1N
C3812 and L3852
51**
C3800
3.3n
L3851
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B2_DUP_TX
13080359 FOR B2
13080328 FOR B4

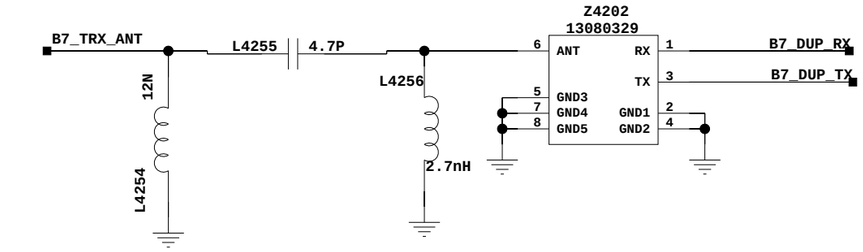
39 TRX_LB_2

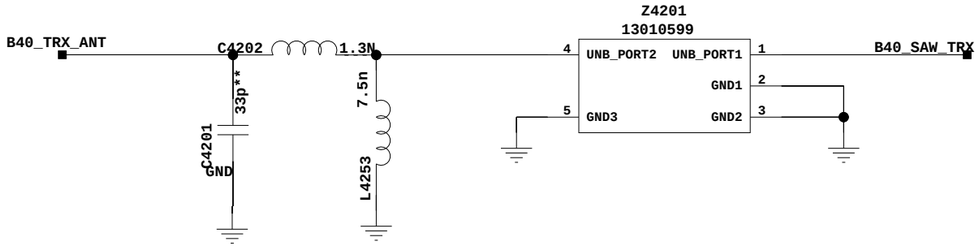
40 TRX_MB_1

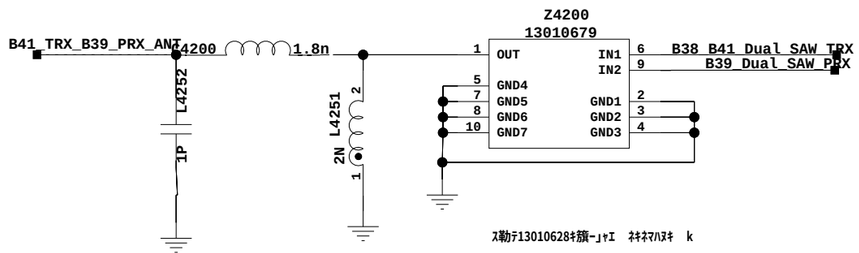

C4008 33P
L4060 3.3n
C4010 1.5p**
L4061 1p
U4000
13080383
ANT
GND
BAND_1_RX/BAND_4_RX
BAND_1_TX
BAND_3_RX
BAND_3_TX/BAND_4_TX
B1_QUAD_RX
B3_QUAD_RX
B1_QUAD_TX
B3_QUAD_TX
B1_B3_B5_TRX_ANT
C4011 1.5p**
Co-Pad
L4062 0.6nH**
L4063 2.2n**
Z4000
13080321
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B1_DUP_RX
B1_DUP_TX
VALUE=0**
B34_PRX_ANT
C4007 8.2p
L4056 6.8n
Z4001
13010682
UNB_PORT1/IN
UNB_PORT2/OUT
GND1
GND2
GND3
B34_Filter_PRX
13010166 FOR G1900
13010569 FOR G1800
13010682 FOR B34
Z4001 VALUE=0**
13080322
B3_EXT_TRX_ANT
C4001 2.7n**
C4000 51
GND
L4052 3.6n**
B3_DUP_RX
B3_DUP_TX
13080322 FOR B3
13080328 FOR B4
L4057 co_pad with C3723
B34_B39_TX_ANT
Co-Pad
L4057 4.7N**
Z4002
OUT
IN
NC1
NC2
B34_B39_Filter_TX
VALUE=0**
L4055 0.6nH
C4006 1p

41 TRX_MB_2

42 TRX_HB_1

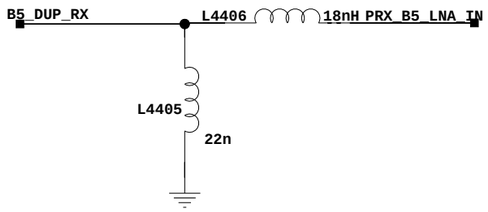

Z4202
13080329
B7_TRX_ANT
L4255
4.7P
L4256
12N
L4254
2.7nH
ANT
RX
TX
GND3
GND4
GND5
GND1
GND2
B7_DUP_RX
B7_DUP_TX

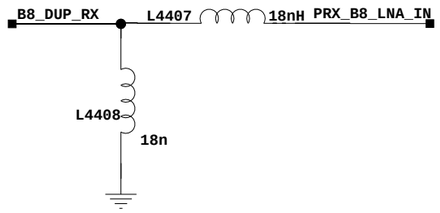

Z4201
13010599
B40_TRX_ANT
C4202
1.3N
33p**
C4201
GND
7.5n
L4253
UNB_PORT2
UNB_PORT1
GND1
GND3
GND2
B40_SAW_TRX

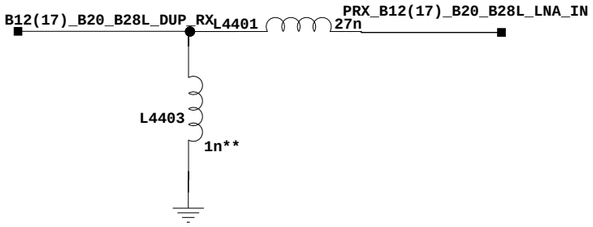

Z4200
13010679
B41_TRX_B39_PRX_ANT
L4200
1.8n
L4252
1P
L4251
2N
OUT
GND4
GND5
GND6
GND7
IN1
IN2
GND1
GND2
GND3
B38_B41_Dual_SAW_TRX
B39_Dual_SAW_PRX

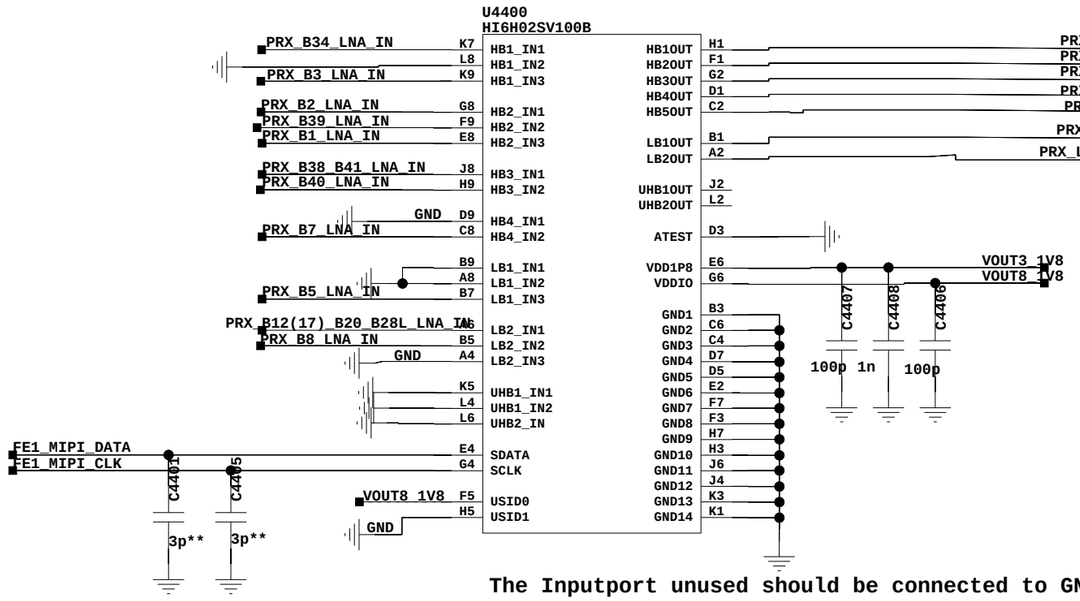
43. TRX_HB_2

44. PRX_LNA_Module

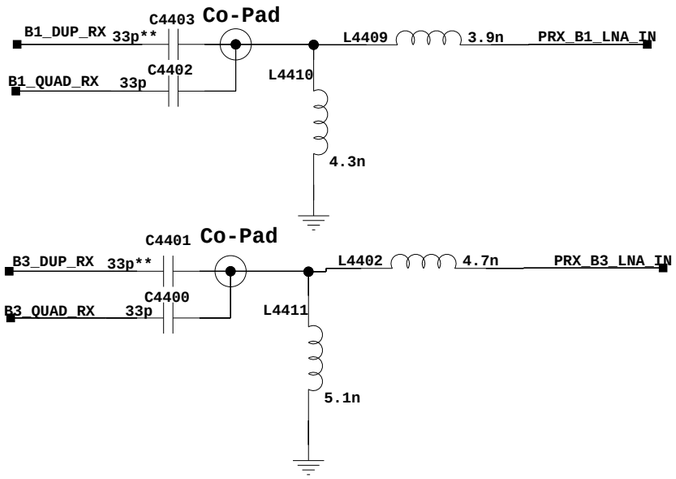


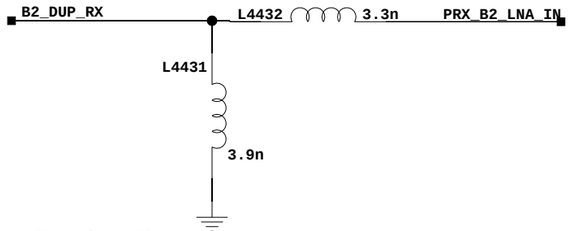


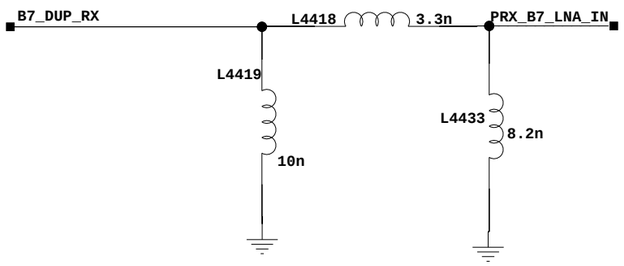


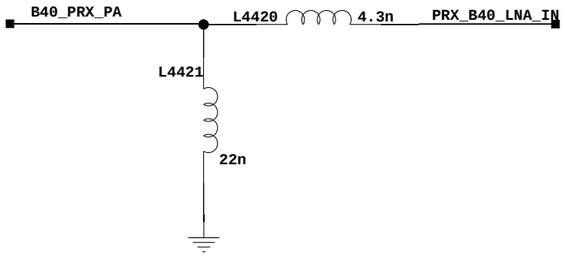


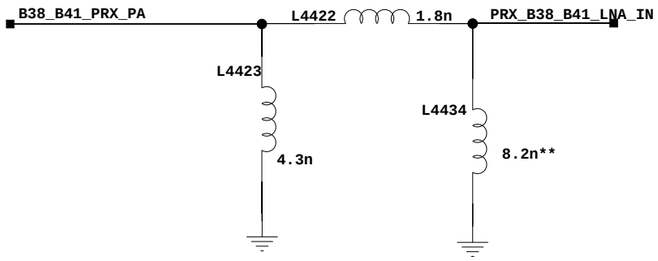
The Inputport unused should be connected to GND!





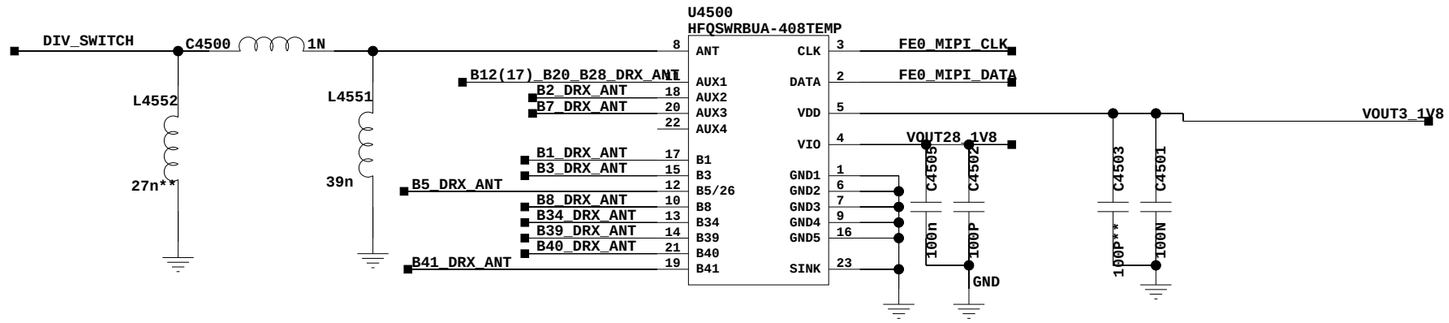




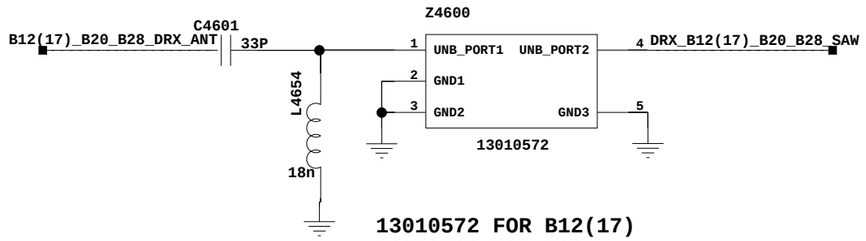


6H01 Frequency Range	
LB1_IN1	460-895MHz
LB1_IN2-3,LB2_IN_1-3	703-960MHz
HB1_IN1-3	1447-2200MHz
HB2_IN1-3	1805-2200MHz
HB3_IN1-2	2000-2690MHz
HB4_IN1-2	2000-2690MHz
UHB1_IN1,UHB2	3400-3800MHz
UHB1_IN2	5150-5925MHz

45.DRX_SWITCH

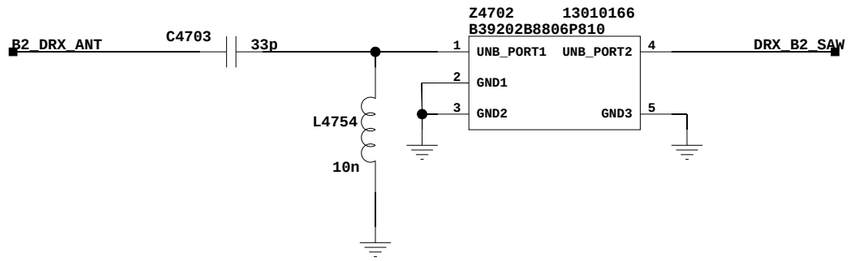


46. DRX_LB

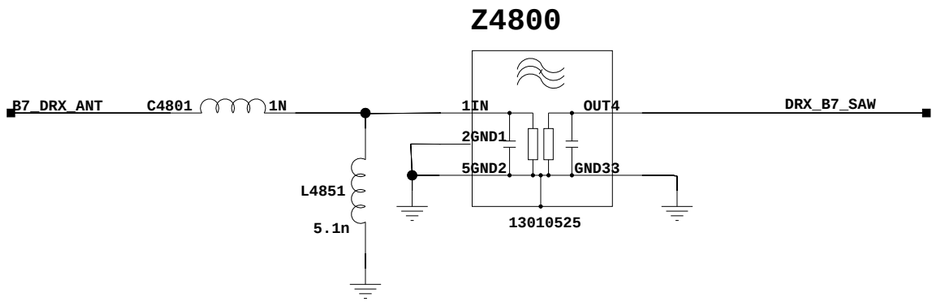


13010572 FOR B12(17)
13010526 FOR B20
13010655 FOR B28

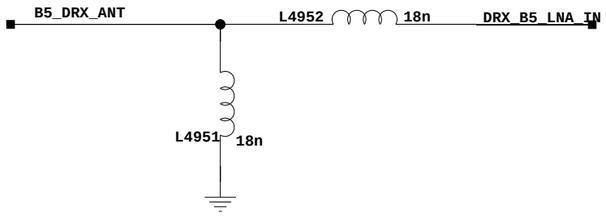
47. DRX_MB

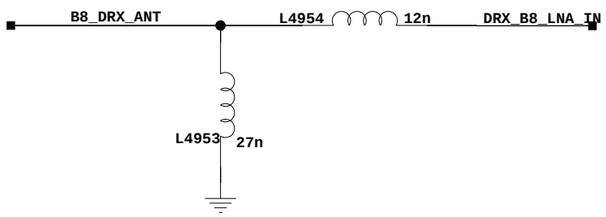

Z4702 13010166
B39202B8806P810
B2_DRX_ANT
C4703
33p
1
UNB_PORT1
UNB_PORT2
4
DRX_B2_SAW
2
GND1
3
GND2
GND3
5
L4754
10n

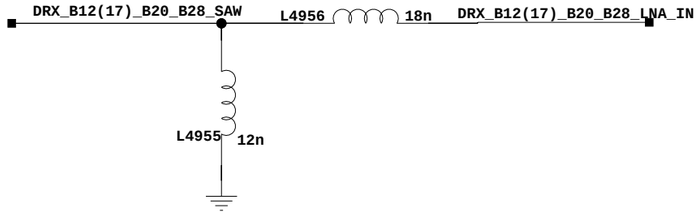
48. DRX_HB

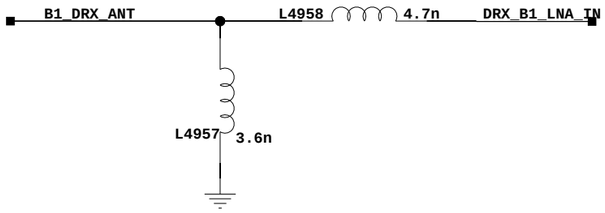

Z4800
B7_DRX_ANT
C4801
1N
1IN
OUT4
DRX_B7_SAW
2GND1
5GND2
GND33
L4851
5.1n
13010525

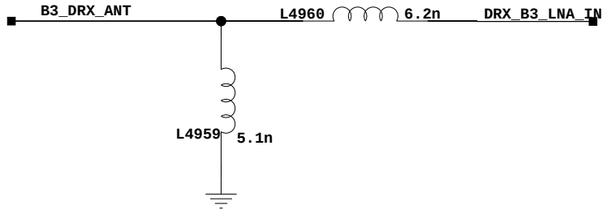
49. DRX_LNA_Module

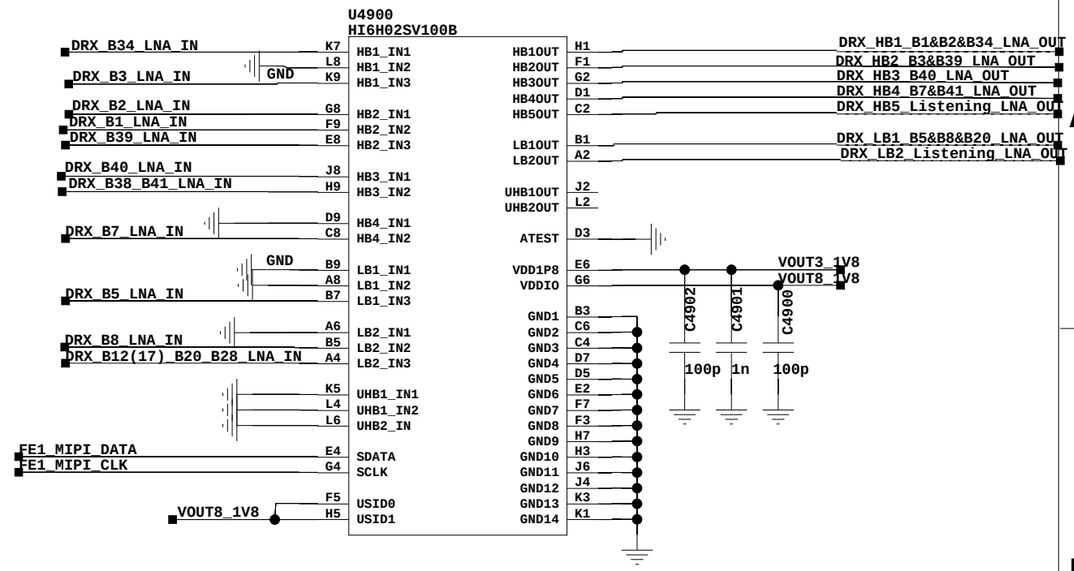




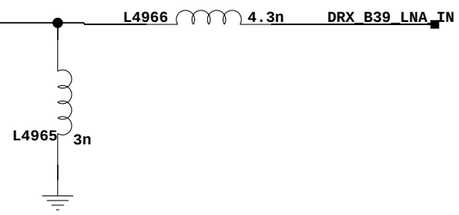


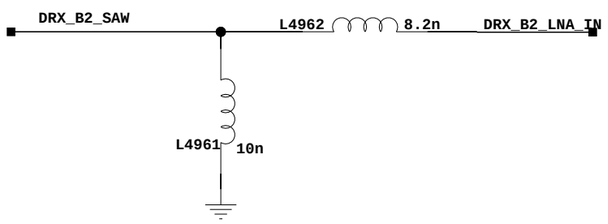


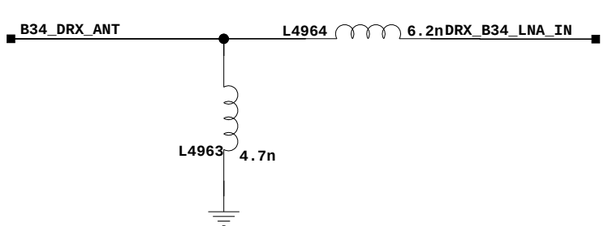


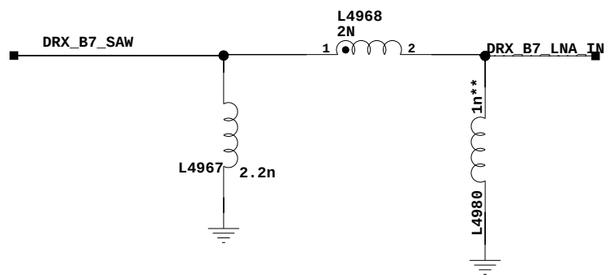


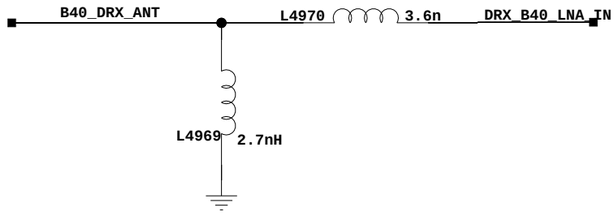
The Inputport unused should be connected to GND!

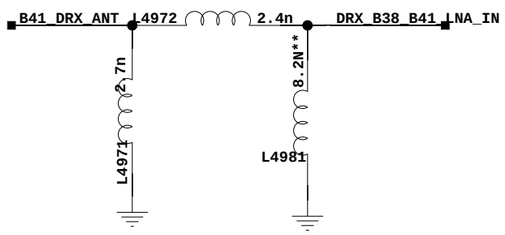












6H01 Frequency Range	
LB1_IN1	460-895MHz
LB1_IN2-3,LB2_IN_1-3	703-960MHz
HB1_IN1-3	1447-2200MHz
HB2_IN1-3	1805-2200MHz
HB3_IN1-2	2000-2690MHz
HB4_IN1-2	2000-2690MHz
UHB1_IN1,UHB2	3400-3800MHz
UHB1_IN2	5150-5925MHz

50. Reserved

51. Reserved_RFIC1

52. Reserved_APT1

53. Reserved_MIMO_DRX2

54. Reserved_DRX3

55. Reserved_PA_SUB_6G

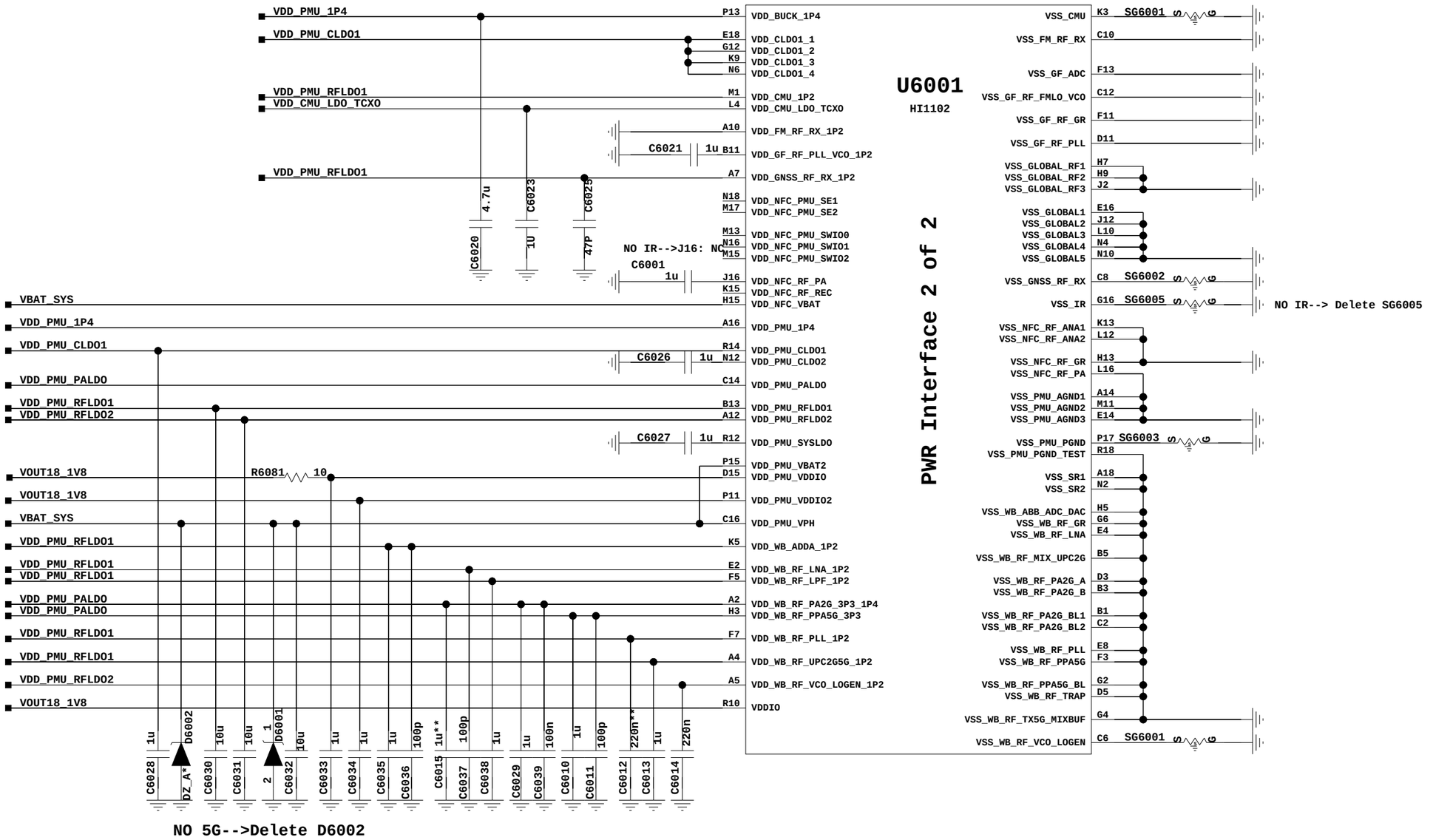
56. Reserved_TRX_SUB_6G

57. Reserved_DRX_SUB_6G

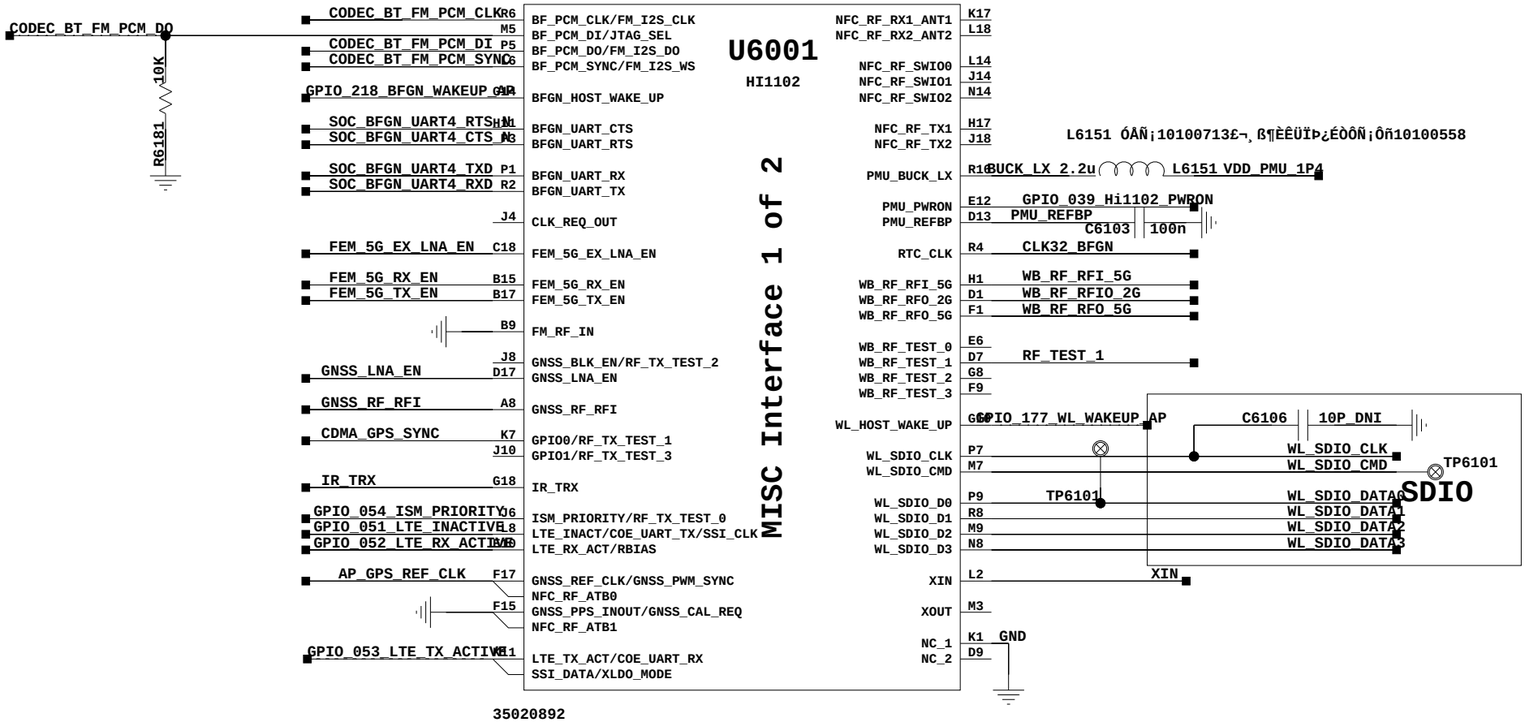
58.Reserved

59. Reserved

60 NC_POWER

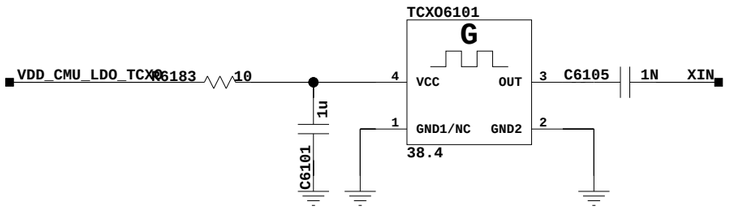

U6001
HI1102
PWR Interface 2 of 2
VDD_PMU_1P4
VDD_PMU_CLDO1
VDD_PMU_RFLDO1
VDD_CMU_LDO_TCXO
VDD_PMU_RFLDO1
VBAT_SYS
VDD_PMU_1P4
VDD_PMU_CLDO1
VDD_PMU_PALDO
VDD_PMU_RFLDO1
VDD_PMU_RFLDO2
VOUT18_1V8
VOUT18_1V8
VBAT_SYS
VDD_PMU_RFLDO1
VDD_PMU_RFLDO1
VDD_PMU_RFLDO1
VDD_PMU_PALDO
VDD_PMU_PALDO
VDD_PMU_RFLDO1
VDD_PMU_RFLDO1
VDD_PMU_RFLDO2
VOUT18_1V8
P13 VDD_BUCK_1P4
E18 VDD_CLDO1_1
G12 VDD_CLDO1_2
K9 VDD_CLDO1_3
N6 VDD_CLDO1_4
M1 VDD_CMU_1P2
L4 VDD_CMU_LDO_TCXO
A10 VDD_FM_RF_RX_1P2
B11 VDD_GF_RF_PLL_VCO_1P2
A7 VDD_GNSS_RF_RX_1P2
N18 VDD_NFC_PMU_SE1
M17 VDD_NFC_PMU_SE2
M13 VDD_NFC_PMU_SWIO0
N16 VDD_NFC_PMU_SWIO1
M15 VDD_NFC_PMU_SWIO2
J16 VDD_NFC_RF_PA
K15 VDD_NFC_RF_REC
H15 VDD_NFC_VBAT
A16 VDD_PMU_1P4
R14 VDD_PMU_CLDO1
N12 VDD_PMU_CLDO2
C14 VDD_PMU_PALDO
B13 VDD_PMU_RFLDO1
A12 VDD_PMU_RFLDO2
R12 VDD_PMU_SYSLDO
P15 VDD_PMU_VBAT2
D15 VDD_PMU_VDDIO
P11 VDD_PMU_VDDIO2
C16 VDD_PMU_VPH
K5 VDD_WB_ADDA_1P2
E2 VDD_WB_RF_LNA_1P2
F5 VDD_WB_RF_LPF_1P2
A2 VDD_WB_RF_PA2G_3P3_1P4
H3 VDD_WB_RF_PPA5G_3P3
F7 VDD_WB_RF_PLL_1P2
A4 VDD_WB_RF_UPC2G5G_1P2
A5 VDD_WB_RF_VCO_LOGEN_1P2
R10 VDDIO
VSS_CMU K3
VSS_FM_RF_RX C10
VSS_GF_ADC F13
VSS_GF_RF_FMLO_VCO C12
VSS_GF_RF_GR F11
VSS_GF_RF_PLL D11
VSS_GLOBAL_RF1 H7
VSS_GLOBAL_RF2 H9
VSS_GLOBAL_RF3 J2
VSS_GLOBAL1 E16
VSS_GLOBAL2 J12
VSS_GLOBAL3 L10
VSS_GLOBAL4 N4
VSS_GLOBAL5 N10
VSS_GNSS_RF_RX C8
VSS_IR G16
VSS_NFC_RF_ANA1 K13
VSS_NFC_RF_ANA2 L12
VSS_NFC_RF_GR H13
VSS_NFC_RF_PA L16
VSS_PMU_AGND1 A14
VSS_PMU_AGND2 M11
VSS_PMU_AGND3 E14
VSS_PMU_PGND P17
VSS_PMU_PGND_TEST R18
VSS_SR1 A18
VSS_SR2 N2
VSS_WB_ABB_ADC_DAC H5
VSS_WB_RF_GR G6
VSS_WB_RF_LNA E4
VSS_WB_RF_MIX_UPC2G B5
VSS_WB_RF_PA2G_A D3
VSS_WB_RF_PA2G_B B3
VSS_WB_RF_PA2G_BL1 B1
VSS_WB_RF_PA2G_BL2 C2
VSS_WB_RF_PLL E8
VSS_WB_RF_PPA5G F3
VSS_WB_RF_PPA5G_BL G2
VSS_WB_RF_TRAP D5
VSS_WB_RF_TX5G_MIXBUF G4
VSS_WB_RF_VCO_LOGEN C6
SG6001
SG6002
SG6005
SG6003
SG6001
NO IR--> Delete SG6005
C6021 1u
C6023 4.7u
C6025 1U
C6020 47P
NO IR-->J16: NC
C6001 1u
C6026 1u
C6027 1u
R6081 10
C6028 1u
D6002 DZ_A*
C6030 10u
C6031 10u
D6001 2
C6032 10u
C6033 1u
C6034 1u
C6035 1u
C6036 100p
C6015 1u**
C6037 100p
C6038 1u
C6029 1u
C6039 100n
C6010 1u
C6011 100p
C6012 220n**
C6013 1u
C6014 220n
NO 5G-->Delete D6002

61 NC_BB

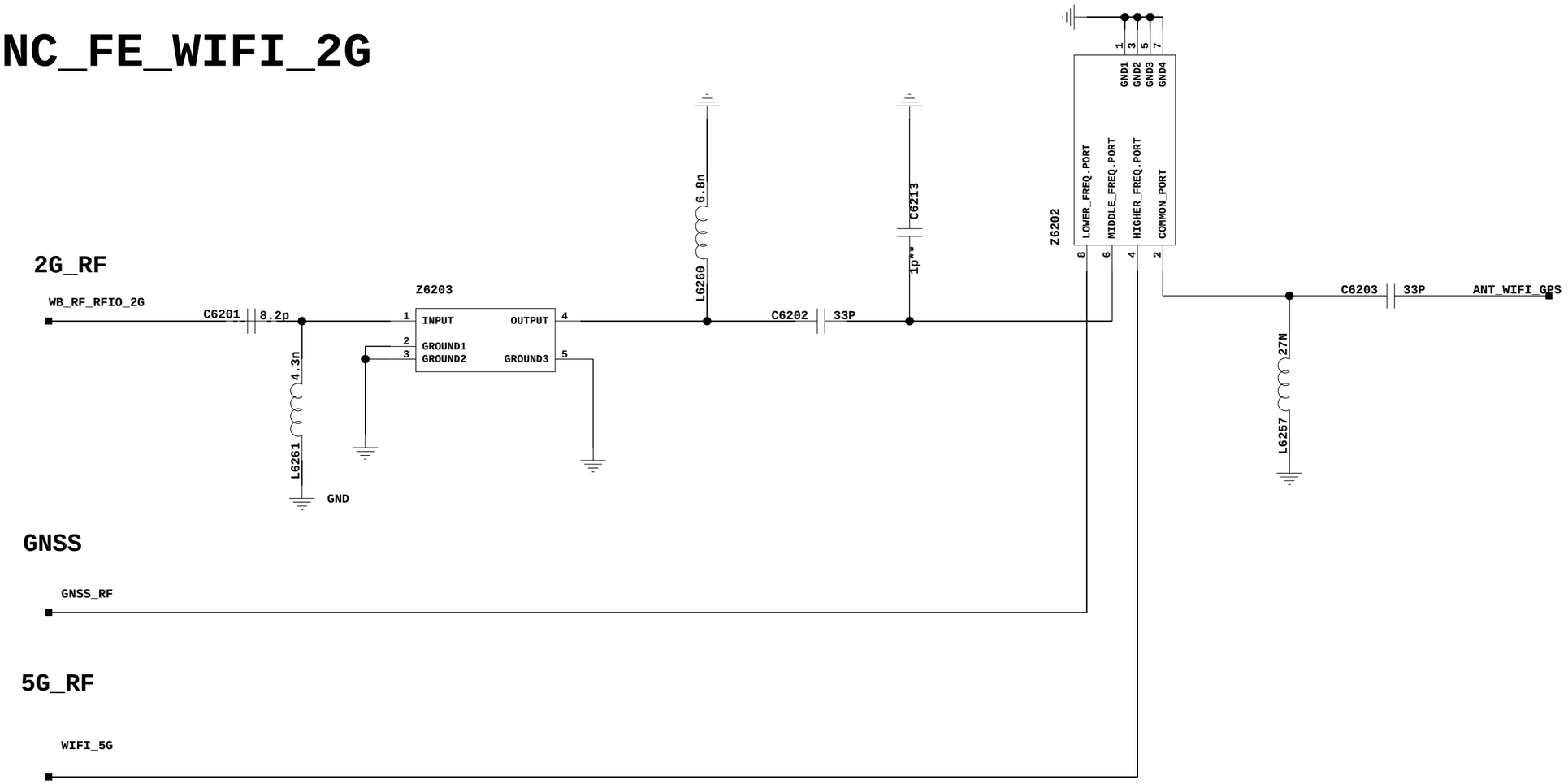


35020892

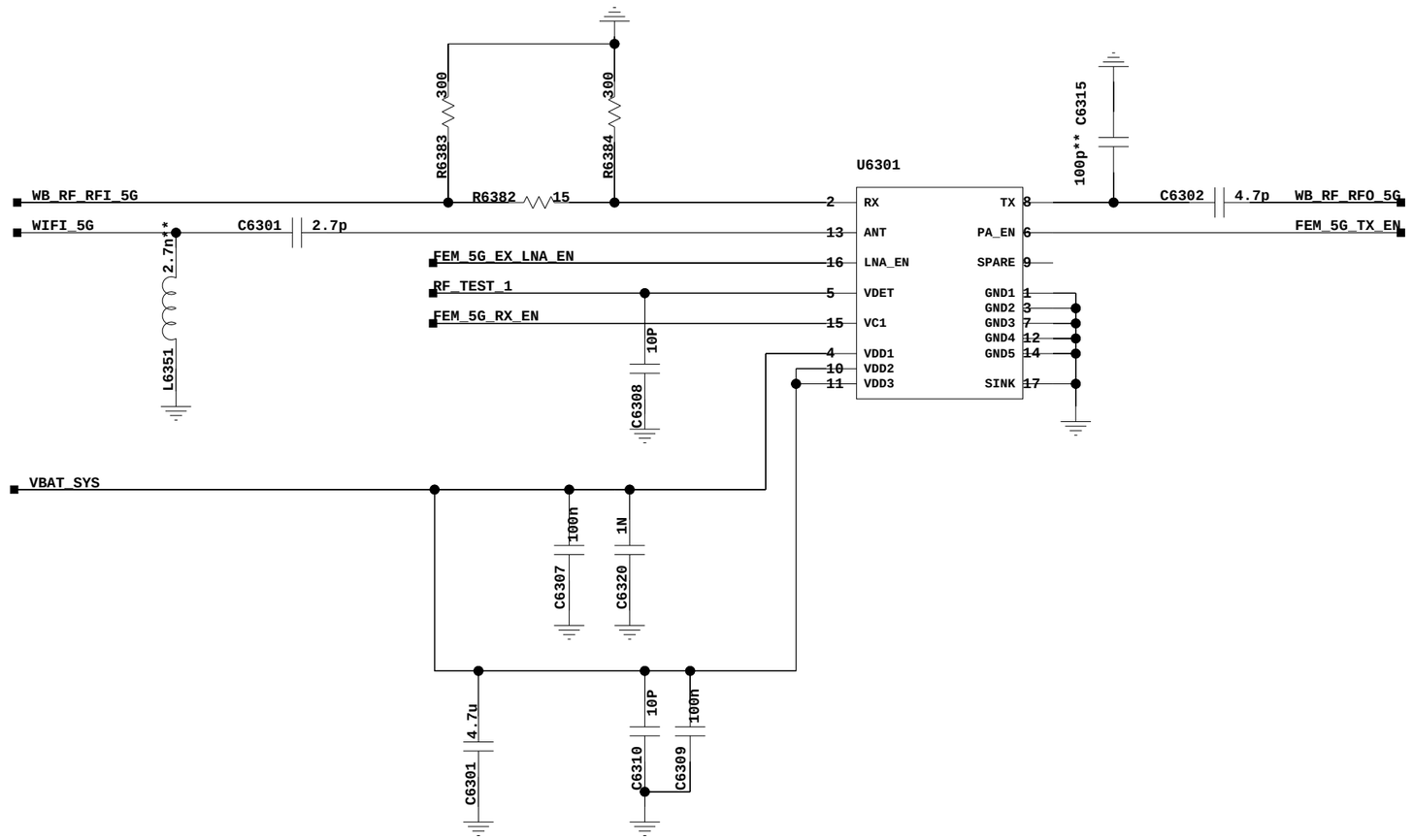
TCXO 38.4MHz



62 NC_FE_WIFI_2G

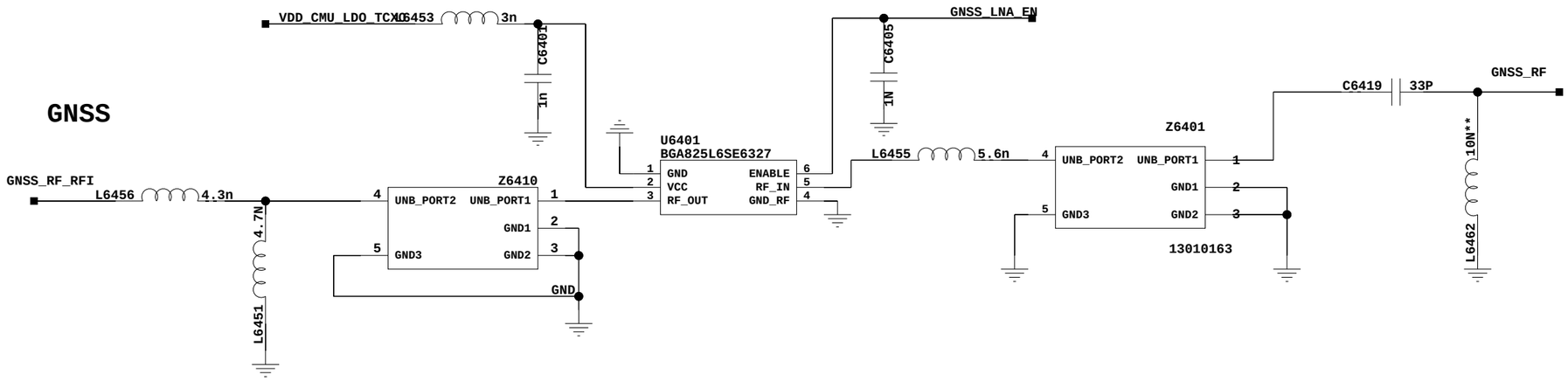


63 NC_FE_WIFI_5G



The type and specification of the components refer to the BOM

64 NC_GPS

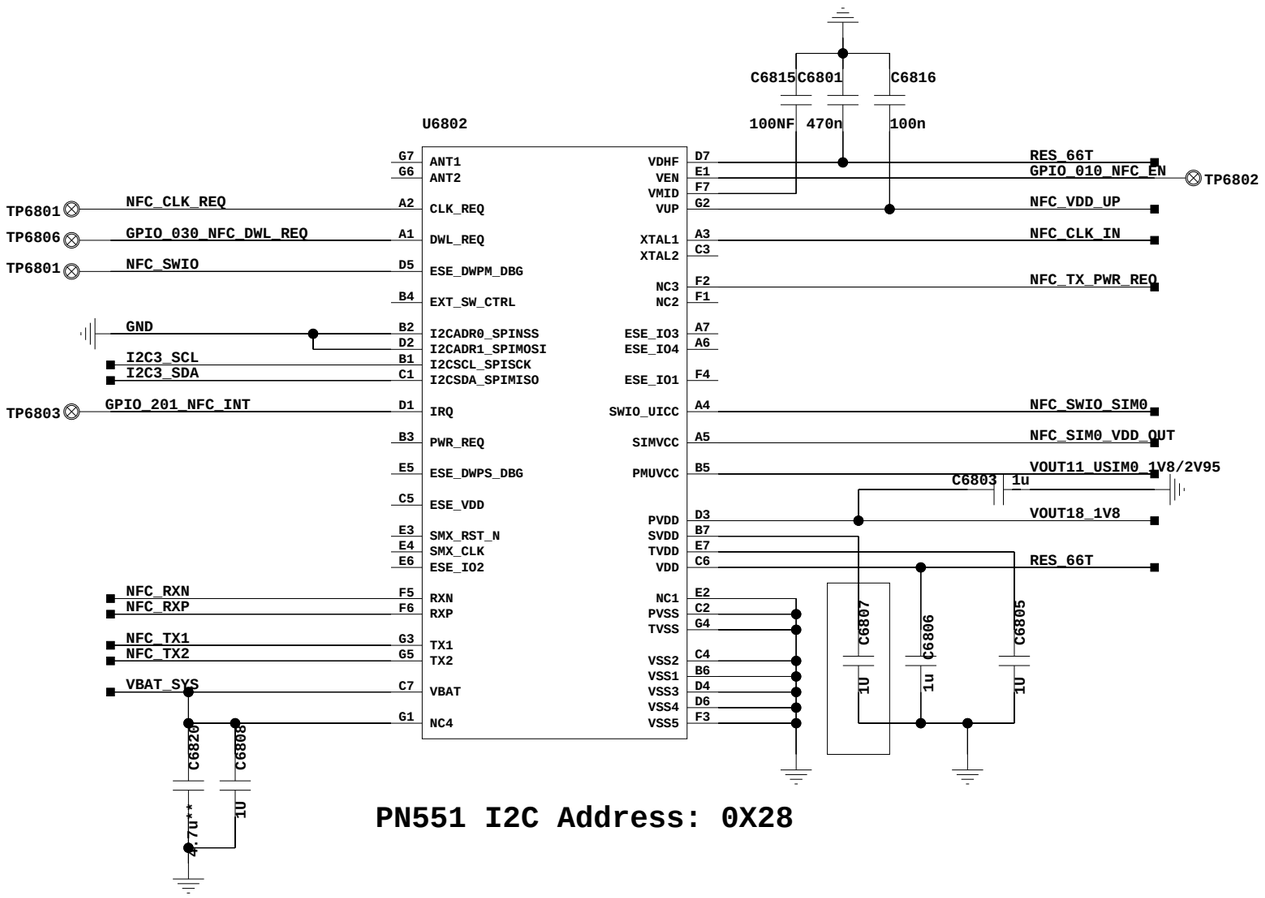

GNSS
VDD_CMU_LDO_TCXO
L6453
3n
C6407
1n
C6405
1N
GNSS_LNA_EN
U6401
BGA825L6SE6327
GND
VCC
RF_OUT
ENABLE
RF_IN
GND_RF
L6455
5.6n
Z6401
UNB_PORT2
UNB_PORT1
GND1
GND3
GND2
13010163
C6419
33P
GNSS_RF
10N**
L6462
GNSS_RF_RFI
L6456
4.3n
Z6410
4.7N
L6451
GND

65 RES

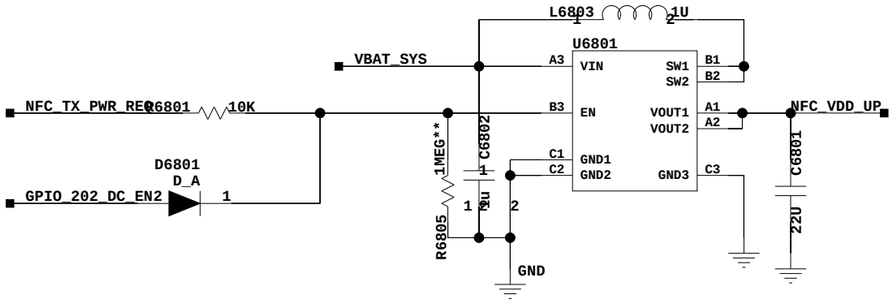
71 NFC Antena

67 RES

68. NFC_BB



PN551 I2C Address: 0X28



C6802 モ/10uF7英ェ1uF ス勒ﾃナヤｱﾞｵ酳ﾝ10/13

67 RES

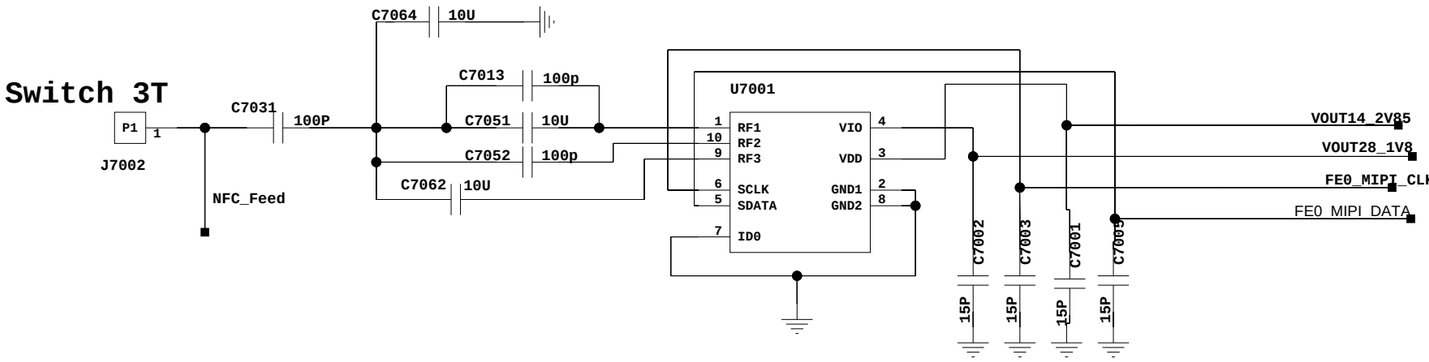
A B C D

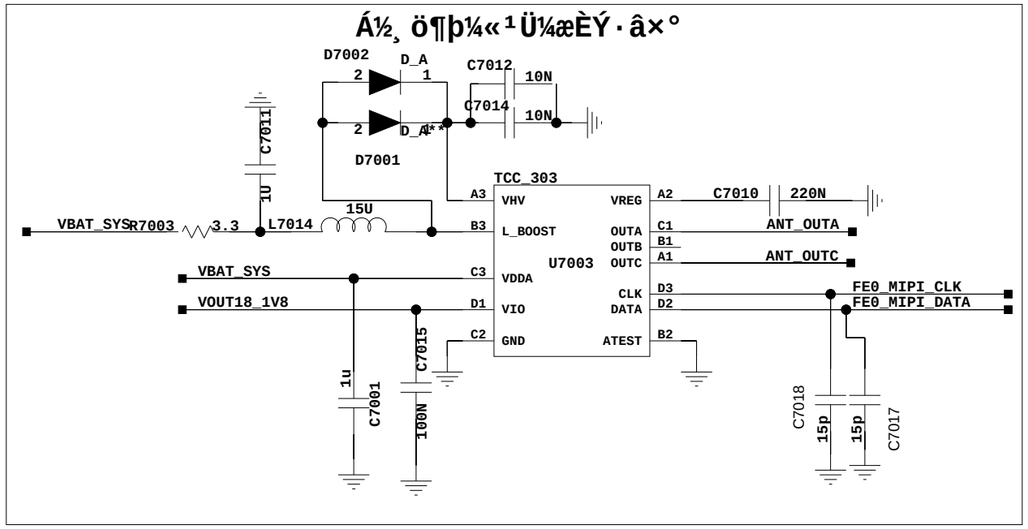
A B C D

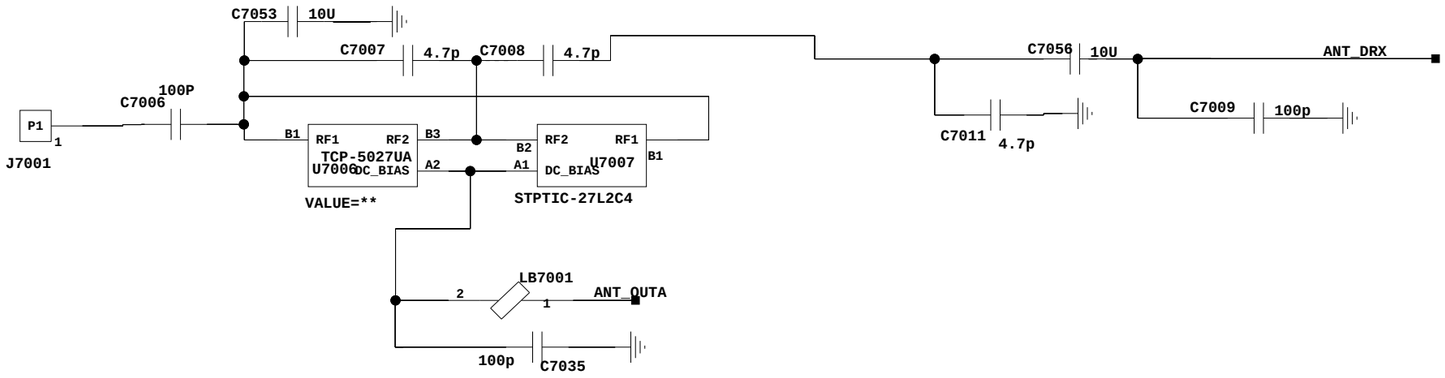
1 2 3 4 5 6

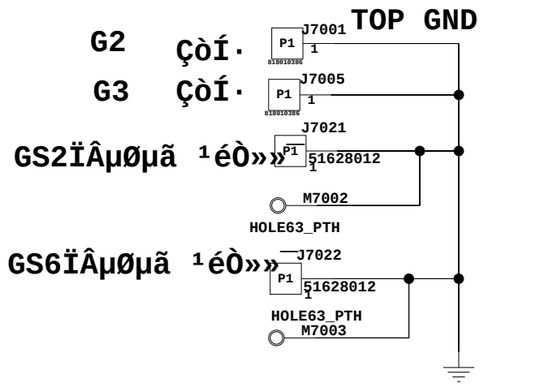
70.Antenna

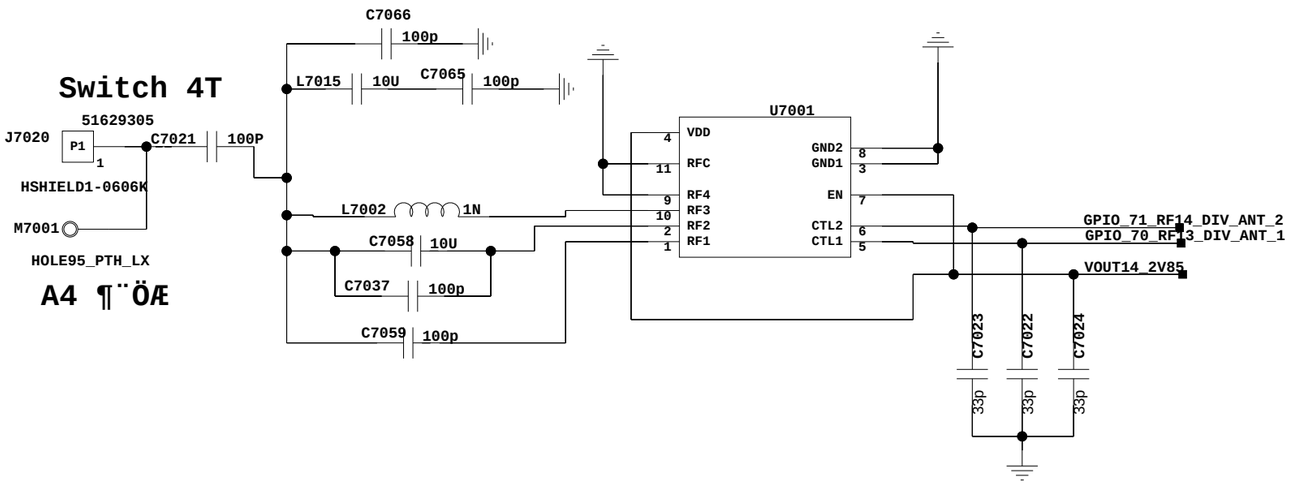
Div Ant

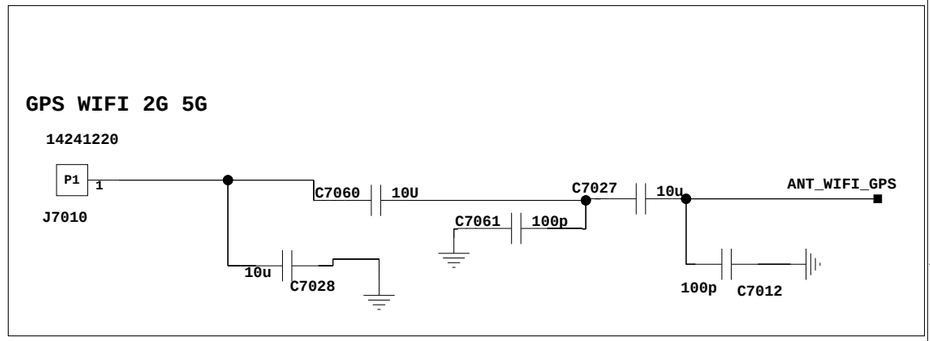












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