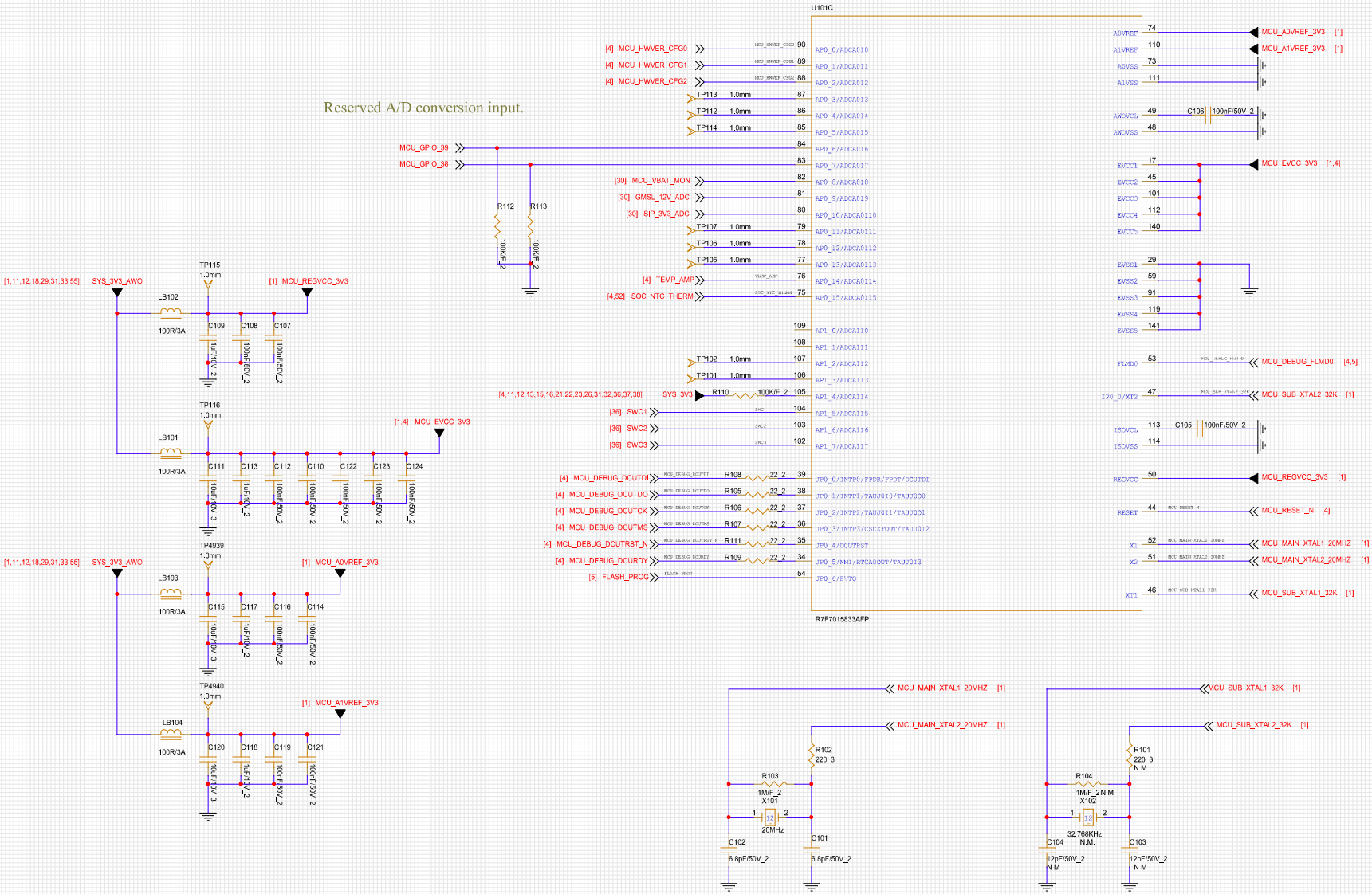
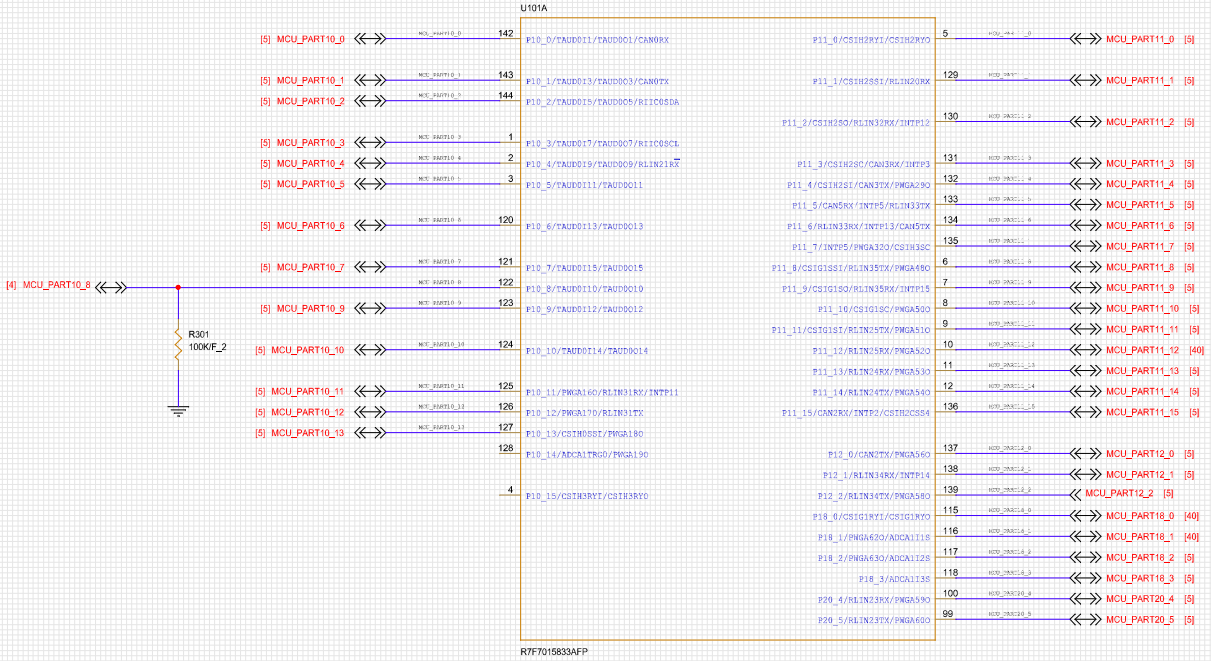
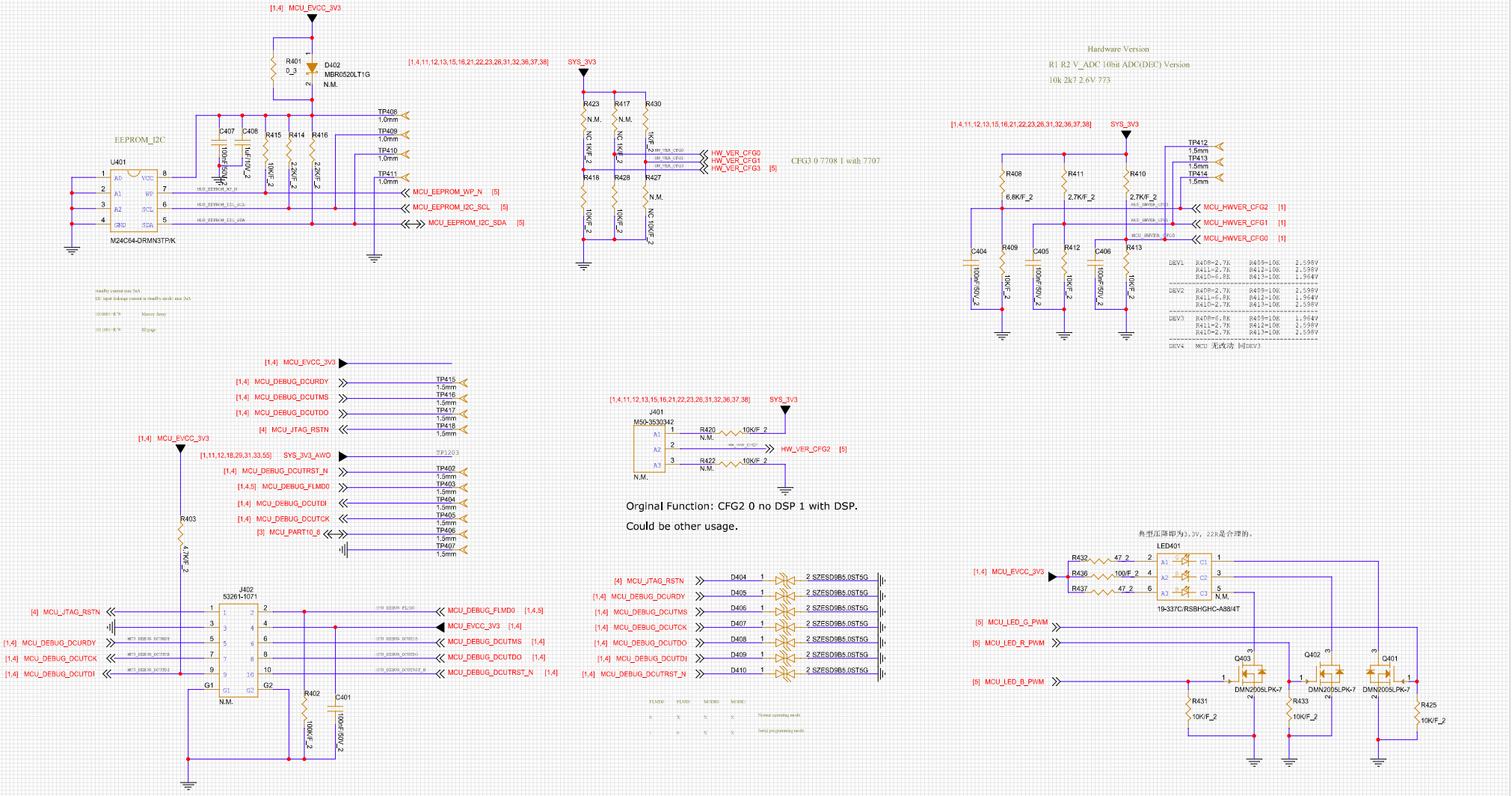

U101C
R7F7015833AFP
Reserved A/D conversion input.
MCU_GPIO_39
MCU_GPIO_38
R112
R113
100K/F_2
[4] MCU_HWVER_CFG0
[4] MCU_HWVER_CFG1
[4] MCU_HWVER_CFG2
[30] MCU_VBAT_MON
[30] GMSL_12V_ADC
[30] SIP_3V3_ADC
[4] TEMP_AMP
[4,52] SOC_NTC_THERM
TP113 1.0mm
TP112 1.0mm
TP114 1.0mm
TP107 1.0mm
TP106 1.0mm
TP105 1.0mm
TP102 1.0mm
TP101 1.0mm
[4,11,12,13,15,16,21,22,23,26,31,32,36,37,38] SYS_3V3
R110 100K/F_2
[38] SWC1
[36] SWC2
[36] SWC3
[4] MCU_DEBUG_DCUTDI
[4] MCU_DEBUG_DCUTDO
[4] MCU_DEBUG_DCUTCK
[4] MCU_DEBUG_DCUTMS
[4] MCU_DEBUG_DCUTRST_N
[4] MCU_DEBUG_DCURDY
[5] FLASH_PROG
R108 22_2
R105 22_2
R106 22_2
R107 22_2
R111 22_2
R109 22_2
APD_0/ADCA010
APD_1/ADCA011
APD_2/ADCA012
APD_3/ADCA013
APD_4/ADCA014
APD_5/ADCA015
APD_6/ADCA016
APD_7/ADCA017
APD_8/ADCA018
APD_9/ADCA019
APD_10/ADCA0110
APD_11/ADCA0111
APD_12/ADCA0112
APD_13/ADCA0113
APD_14/ADCA0114
APD_15/ADCA0115
API_0/ADCA1I0
API_1/ADCA1I1
API_2/ADCA1I2
API_3/ADCA1I3
API_4/ADCA1I4
API_5/ADCA1I5
API_6/ADCA1I6
API_7/ADCA1I7
JPD_0/INTP0/FPDR/FPDT/DCUTDI
JPD_1/INTP1/TAUJO10/TAUJO00
JPD_2/INTP2/TAUJO11/TAUJO01
JPD_3/INTP3/CSCXPOUT/TAUJO12
JPD_4/DCUTRST
JPD_5/NMI/RTCADOUT/TAUJO13
JPD_6/EVTO
A0VREF
A1VREF
A0VSS
A1VSS
A0VCL
A0VSS
EVCC1
EVCC2
EVCC3
EVCC4
EVCC5
EVSS1
EVSS2
EVSS3
EVSS4
EVSS5
FLMD0
IPO_0/XT2
ISOVCL
ISOVSS
REGVCC
RESET
X1
X2
XT1
MCU_A0VREF_3V3 [1]
MCU_A1VREF_3V3 [1]
C106 100nF/50V_2
MCU_EVCC_3V3 [1,4]
MCU_DEBUG_FLMD0 [4,5]
MCU_SUB_XTAL2_32K [1]
C105 100nF/50V_2
MCU_REGVCC_3V3 [1]
MCU_RESET_N [4]
MCU_MAIN_XTAL1_20MHZ [1]
MCU_MAIN_XTAL2_20MHZ [1]
MCU_SUB_XTAL1_32K [1]
[1,11,12,18,29,31,33,55] SYS_3V3_AWO
LB102 100R/3A
C109 1uF/10V_2
C108 100nF/50V_2
C107 100nF/50V_2
TP115 1.0mm
[1] MCU_REGVCC_3V3
LB101 100R/3A
C111 10uF/10V_3
C113 1uF/10V_2
C112 100nF/50V_2
C110 100nF/50V_2
C122 100nF/50V_2
C123 100nF/50V_2
C124 100nF/50V_2
TP116 1.0mm
[1,4] MCU_EVCC_3V3
LB103 100R/3A
C115 10uF/10V_3
C117 1uF/10V_2
C116 100nF/50V_2
C114 100nF/50V_2
TP4939 1.0mm
[1] MCU_A0VREF_3V3
LB104 100R/3A
C120 10uF/10V_3
C118 1uF/10V_2
C119 100nF/50V_2
C121 100nF/50V_2
TP4940 1.0mm
[1] MCU_A1VREF_3V3
R102 220_3
R103 1M/F_2 X101
20MHz
C102 6.8pF/50V_2
C101 6.8pF/50V_2
R101 220_3 N.M.
R104 1M/F_2 N.M. X102
32.768KHz N.M.
C104 12pF/50V_2 N.M.
C103 12pF/50V_2 N.M.


U101B
MCU_PART0_0
MCU_PART0_1
[5] MCU_PART0_2
[5] MCU_PART0_3
[5] MCU_PART0_4
[5] MCU_PART0_5
MCU_PART0_6
MCU_PART0_7
MCU_PART0_8
[12] MCU_PART0_9
MCU_PART0_10
[5] MCU_PART0_11
[5] MCU_PART0_12
[5] MCU_PART0_13
[5] MCU_PART0_14
[5] MCU_PART1_0
MCU_PART1_1
[5] MCU_PART1_2
[5] MCU_PART1_3
[5] MCU_PART1_4
[5] MCU_PART1_5
[5] MCU_PART1_6
[5] MCU_PART1_7
MCU_PART1_9
MCU_PART1_10
MCU_PART1_11
13 P0_0/TAUD0I2/TAUD0O2/RLIN20RX
14 P0_1/TAUD0I4/TAUD0O4/CAN0RX
15 P0_2/TAUD0I6/TAUD0O6/CAN1RX
16 P0_3/TAUD0I8/TAUD0O8/RLIN30RX
18 P0_4/RLIN31RX/INTP11/CAN2TX
19 P0_5/CAN2RX/INTP2/RLIN31TX
20 P0_6/INTP2/DPIN10/SELDP2
58 P0_7/RLIN21RX/DPIN5/CSCXFOUT
57 P0_8/RLIN21TX/DPIN6/CSIH0CS56
56 P0_9/INTP12/CSIH1CSS0/DPIN7
55 P0_10/INTP3/CSIH1CSS1/DPIN11
21 P0_11/RIICDSDA/DPIN12
22 P0_12/RIICD8CL/DPIN13/PWGA45O
23 P0_13/RLIN32RX/INTP12/PWGA46O
24 P0_14/RLIN32TX/PWGA47O
25 P1_0/RLIN33RX/INTP13
26 P1_1/RLIN33TX
27 P1_2/CAN3RX/INTP3
28 P1_3/CAN3TX/DPIN23
63 P1_4/RLIN35RX/INTP15
62 P1_5/ADCA1TRGO/RLIN35TX/DPIN17
61 P1_6/RLIN25RX/DPIN18
60 P1_7/ADCA1TRG1/RLIN25TX/DPIN19
43 P1_8/RLIN34RX/INTP14
42 P1_9/RLIN34TX/DPIN20
41 P1_10/RLIN24RX/DPIN21
40 P1_11/ADCA1TRG2/RLIN24TX/DPIN22
P8_0/TAUJ0I0/TAUJ0O0/DPIN2
P8_1/TAPAGESO/TAUJ0O1/DPIN0
P8_2/TAUJ0I0/TAUJ0O0/DPIN2
P8_3/TAUJ0I1/TAUJ0O1/DPIN3
P8_4/TAUJ0I2/TAUJ0O2/DPIN4
P8_5/TAUJ0I3/TAUJ0O3/NMI
P8_6/NMI/CSIH0CSS4/PWGA38O
P8_7/CSIH3CSS0/PWGA39O
P8_8/CSIH3CSS1/PWGA40O
P8_9/CSIH3CSS2/PWGA41O
P8_10/CSIH3CSS3/DPIN14/PWGA42O
P8_11/TAUJ1I2/TAUJ1O2/DPIN15
P8_12/TAUJ1I3/TAUJ1O3/DPIN16
P9_0/NMI/PWGA8O/TAUD0I0
P9_1/INTP11/PWGA9O/TAUD0I2
P9_2/KR0I6/PWGA20O/TAPAGESO
P9_3/KR0I7/PWGA21O/CSIH2CSS3
P9_4/CSIH0CSS5/PWGA33O/TAUJ1TO
P9_5/CSIH0CSS6/PWGA34O/TAUJ1TI
P9_6/CSIH0CSS7/PWGA35O
64 MCU_PART8_0 [5]
65 MCU_PART8_1 [5]
30 MCU_PART8_2 [5]
66 MCU_PART8_3 [5]
67 MCU_PART8_4 [5]
68 MCU_PART8_5
71 MCU_PART8_8 [5]
72 MCU_PART8_9 [5]
31 MCU_PART8_10 [5]
32 MCU_PART8_11 [5]
33 MCU_PART8_12 [5]
92 MCU_PART9_0 [5]
93 MCU_PART9_1 [5]
94 MCU_PART9_2 [5]
95 MCU_PART9_3
96 MCU_PART9_4 [5]
97 MCU_PART9_5 [5]
98 MCU_PART9_6
R7F7015833AFP

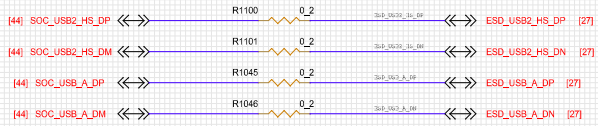

U101A
[5] MCU_PART10_0
[5] MCU_PART10_1
[5] MCU_PART10_2
[5] MCU_PART10_3
[5] MCU_PART10_4
[5] MCU_PART10_5
[5] MCU_PART10_6
[5] MCU_PART10_7
[4] MCU_PART10_8
[5] MCU_PART10_9
[5] MCU_PART10_10
[5] MCU_PART10_11
[5] MCU_PART10_12
[5] MCU_PART10_13
R301
100K/F_2
142 P10_0/TAUD0I1/TAUD0O1/CAN0RX
143 P10_1/TAUD0I3/TAUD0O3/CAN0TX
144 P10_2/TAUD0I5/TAUD0O5/RIIC0SDA
1 P10_3/TAUD0I7/TAUD0O7/RIIC0SCL
2 P10_4/TAUD0I9/TAUD0O9/RLIN21RX
3 P10_5/TAUD0I11/TAUD0O11
120 P10_6/TAUD0I13/TAUD0O13
121 P10_7/TAUD0I15/TAUD0O15
122 P10_8/TAUD0I10/TAUD0O10
123 P10_9/TAUD0I12/TAUD0O12
124 P10_10/TAUD0I14/TAUD0O14
125 P10_11/PWGA16O/RLIN31RX/INTP11
126 P10_12/PWGA17O/RLIN31TX
127 P10_13/CSIH0SSI/PWGA18O
128 P10_14/ADCA1TRGO/PWGA19O
4 P10_15/CSIH3RYI/CSIH3RYO
P11_0/CSIH2RYI/CSIH2RYO
P11_1/CSIH2SSI/RLIN20RX
P11_2/CSIH2SO/RLIN32RX/INTP12
P11_3/CSIH2SC/CAN3RX/INTP3
P11_4/CSIH2SI/CAN3TX/PWGA29O
P11_5/CAN5RX/INTP5/RLIN33TX
P11_6/RLIN33RX/INTP13/CAN5TX
P11_7/INTP5/PWGA32O/CSIH3SC
P11_8/CSIG1SSI/RLIN35TX/PWGA48O
P11_9/CSIG1SO/RLIN35RX/INTP15
P11_10/CSIG1SC/PWGA50O
P11_11/CSIG1SI/RLIN25TX/PWGA51O
P11_12/RLIN25RX/PWGA52O
P11_13/RLIN24RX/PWGA53O
P11_14/RLIN24TX/PWGA54O
P11_15/CAN2RX/INTP2/CSIH2CSS4
P12_0/CAN2TX/PWGA56O
P12_1/RLIN34RX/INTP14
P12_2/RLIN34TX/PWGA58O
P18_0/CSIG1RYI/CSIG1RYO
P18_1/PWGA62O/ADCA1I1S
P18_2/PWGA63O/ADCA1I2S
P18_3/ADCA1I3S
P20_4/RLIN23RX/PWGA59O
P20_5/RLIN23TX/PWGA60O
5 MCU_PART11_0 [5]
129 MCU_PART11_1 [5]
130 MCU_PART11_2 [5]
131 MCU_PART11_3 [5]
132 MCU_PART11_4 [5]
133 MCU_PART11_5 [5]
134 MCU_PART11_6 [5]
135 MCU_PART11_7 [5]
6 MCU_PART11_8 [5]
7 MCU_PART11_9 [5]
8 MCU_PART11_10 [5]
9 MCU_PART11_11 [5]
10 MCU_PART11_12 [40]
11 MCU_PART11_13 [5]
12 MCU_PART11_14 [5]
136 MCU_PART11_15 [5]
137 MCU_PART12_0 [5]
138 MCU_PART12_1 [5]
139 MCU_PART12_2 [5]
115 MCU_PART18_0 [40]
116 MCU_PART18_1 [40]
117 MCU_PART18_2 [5]
118 MCU_PART18_3 [5]
100 MCU_PART20_4 [5]
99 MCU_PART20_5 [5]
R7F7015833AFP

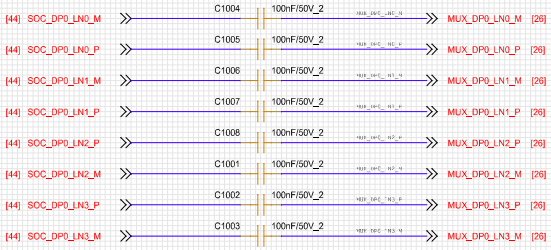


b. Modify NTC for CDP SIP


MCU TO CAN&LIN
[2] MCU_PART0_2
R585
22_2
CAN0_INH_N
[29]
[2] MCU_PART1_3
R519
CAN0_TXD
[2] MCU_PART1_2
R518
CAN0_RXD
[2] MCU_PART0_3
R584
CAN1_INH_N
[2] MCU_PART0_4
R523
CAN1_TXD
[2] MCU_PART0_5
R526
CAN1_RXD
MCU TO GMSL
[3] MCU_PART10_7
R527
MCU_BL_CON_GPIO_10_7
[25]
MCU TO SOC
[3] MCU_PART11_1
R574
0_2
SOC_MCU_SPI_CS_GPIO_3
[11]
[3] MCU_PART11_3
R575
SOC_MCU_SPI_CLK_GPIO_2
[3] MCU_PART11_4
R573
SOC_MCU_SPI_MOSI_GPIO_1
[3] MCU_PART11_2
R577
SOC_MCU_SPI_MISO_GPIO_0
[3] MCU_PART10_9
R576
MCU_UART_RX_GPIO_57
[12]
[3] MCU_PART10_10
R578
MCU_UART_TX_GPIO_58
[12]
[2] MCU_PART8_4
R572
MCU_SPI_INT_GPIO_38
[12]
[2] MCU_PART8_3
R505
SOC_MCU_INT_GPIO_56
[12]
[3] MCU_PART20_5
R583
MCU_SOC_HIGHTEMP_GPIO_55
[12]
[3] MCU_PART11_15
R570
MCU_BOOT_MODE
[55]
[3] MCU_PART11_13
R569
22_2
MCU_EXT_RSTIN_N
[13]
[3] MCU_PART11_14
R568
22_2
MCU_PWR_ON
[13]
[3] MCU_PART10_6
R525
22_2
MCU_HEART_DETECT
[55]
TP503 1.5mm
TP504 1.5mm
TP505 1.5mm
TP506 1.5mm
TP507 1.5mm
TP508 1.5mm
TP509 1.5mm
TP510 1.5mm
TP511 1.5mm
TP512 1.5mm
TP513 1.5mm
Second board MCU conects with SOC
[2] MCU_PART9_4
R582
0_2
MCU_SOC_ACCOFF
[12]
[2] MCU_PART9_5
R580
MCU_SOC_POFF
[12]
[3] MCU_PART10_13
R581
MCU_SOC_RECOVERY_GPIO_157
[12]
[3] MCU_PART11_0
R579
0_2
N.M.
MCU_SOC_HIGHTEMP_GPIO_165
[12]
TP514 1.5mm
TP515 1.5mm
TP516 1.5mm
TP517 1.5mm
MCU TO AUDIO
[2] MCU_PART9_2
R529
22_2
MIC_RESET
MIC_RESET
[15]
[2] MCU_PART8_2
R546
AMP_WARN_N
AMP_WARN_N
[16]
[2] MCU_PART9_1
R545
AMP_FAULT_N
AMP_FAULT_N
[16]
[2] MCU_PART1_5
R532
AMP_STB_N
AMP_STB_N
[16]
[2] MCU_PART1_6
R531
AMP_MUTE_N
AMP_MUTE_N
[16]
[16] AMP_VDD_3V3
R536
2.2K/F_2
R559
2.2K/F_2
[2] MCU_PART0_11
R528
AMP_I2C_SDA
AMP_I2C_SDA
[16]
[2] MCU_PART0_12
R530
AMP_I2C_SCL
AMP_I2C_SCL
[16]
MCU TO EEPROM
[3] MCU_PART18_2
R510
MCU_EEPROM_I2C_SCL
[4]
[3] MCU_PART18_3
R509
MCU_EEPROM_I2C_SDA
[4]
[2] MCU_PART1_7
R508
MCU_EEPROM_WP_N
[4]
MCU TO ISO CONNECTOR
[2] MCU_PART1_0
R562
MCU_E_CALL
[33]
[2] MCU_PART8_0
R561
MCU_ACC
[55]
[2] MCU_PART1_4
R571
MCU_BACK
[33]
[3] MCU_PART10_11
R566
MCU_DBG_RX
[37]
[3] MCU_PART10_12
R567
MCU_DBG_TX
[37]
[2] MCU_PART8_8
R563
SPI_CS1_H3_CAN1
[29]
[2] MCU_PART8_9
R564
SPI_CS2_H3_CAN1
[29]
[2] MCU_PART8_10
R565
HW_VER_CFG2
[4]
[2] MCU_PART8_11
R555
HW_VER_CFG3
[4]
[1] FLASH_PROG
R501
MCU_DEBUG_FLMD0
[1,4]
[3] MCU_PART11_6
R513
SPI_MOSI_H3_CAN1
[29]
[3] MCU_PART11_5
R544
SPI_MISO_H3_CAN1
[29]
[3] MCU_PART11_7
R516
SPI_SCK_H3_CAN1
[29]
C501
22pF/50V_2
d. FLASH_PRG connect FLMD0
MCU TO USB
[3] MCU_PART12_1
R512
EFU_2_EN_GPIO
[27]
[3] MCU_PART11_10
R511
EFU_A_EN_GPIO
[27]
[15] MIC_AVDD_3V3
R522
2.2K/F_2
R524
2.2K/F_2
[3] MCU_PART10_3
R618
MIC_I2C_SCL
[15]
[3] MCU_PART10_2
R617
MIC_I2C_SDA
[15]
[3] MCU_PART10_0
R619
0_2
N.M.
SOC_I2C6_SDA_3V3_GPIO_27
[11]
[3] MCU_PART10_1
R614
SOC_I2C6_SCL_3V3_GPIO_28
[11]
[2] MCU_PART8_1
R507
96755_PWM_GPIO8_1
[25]
close to MCU
C502
22pF/50V_2
MCU TO POWER
[3] MCU_PART10_4
R517
MCU_SYS_5V_PG
[31]
[3] MCU_PART10_5
R521
MCU_SIP_3V3_PG
[31]
[3] MCU_PART11_8
R503
SYS_5V_EN
[31]
R554
SYS_1V8_EN
[32]
R553
SYS_3V3_EN
[32]
R552
SYS_12V_EN
[30]
[3] MCU_PART11_9
R502
SIP_3V3_EN
[31]
[3] MCU_PART20_4
R504
SYS_8V5_EN
[31]
[2] MCU_PART8_12
R551
1K/F_2
MCU_LED_G_PWM
[4]
[3] MCU_PART11_11
R542
MCU_LED_B_PWM
[4]
[2] MCU_PART9_0
R535
MCU_LED_R_PWM
[4]
MCU TO RTC
[3] MCU_PART12_2
R506
PA8900_INT_GPIO_12_2
[18]
[3] MCU_PART12_0
R543
PA8900_FOUT_GPIO_31
[18]
[2] MCU_PART0_14
R514
PA8900_SDA
[18]
[2] MCU_PART0_13
R515
PA8900_SCL
[18]

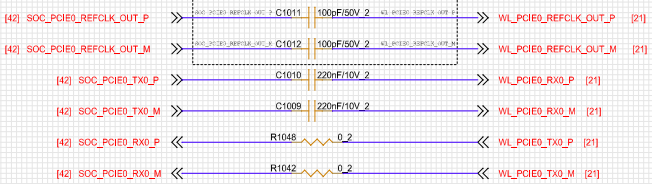
SOC TO USB DP



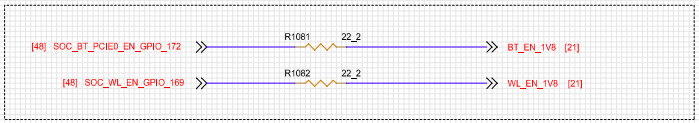


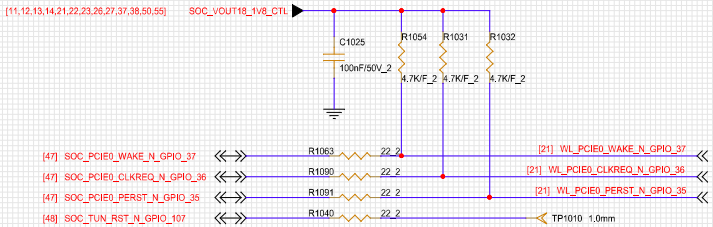
SOC TO BT&WIFI

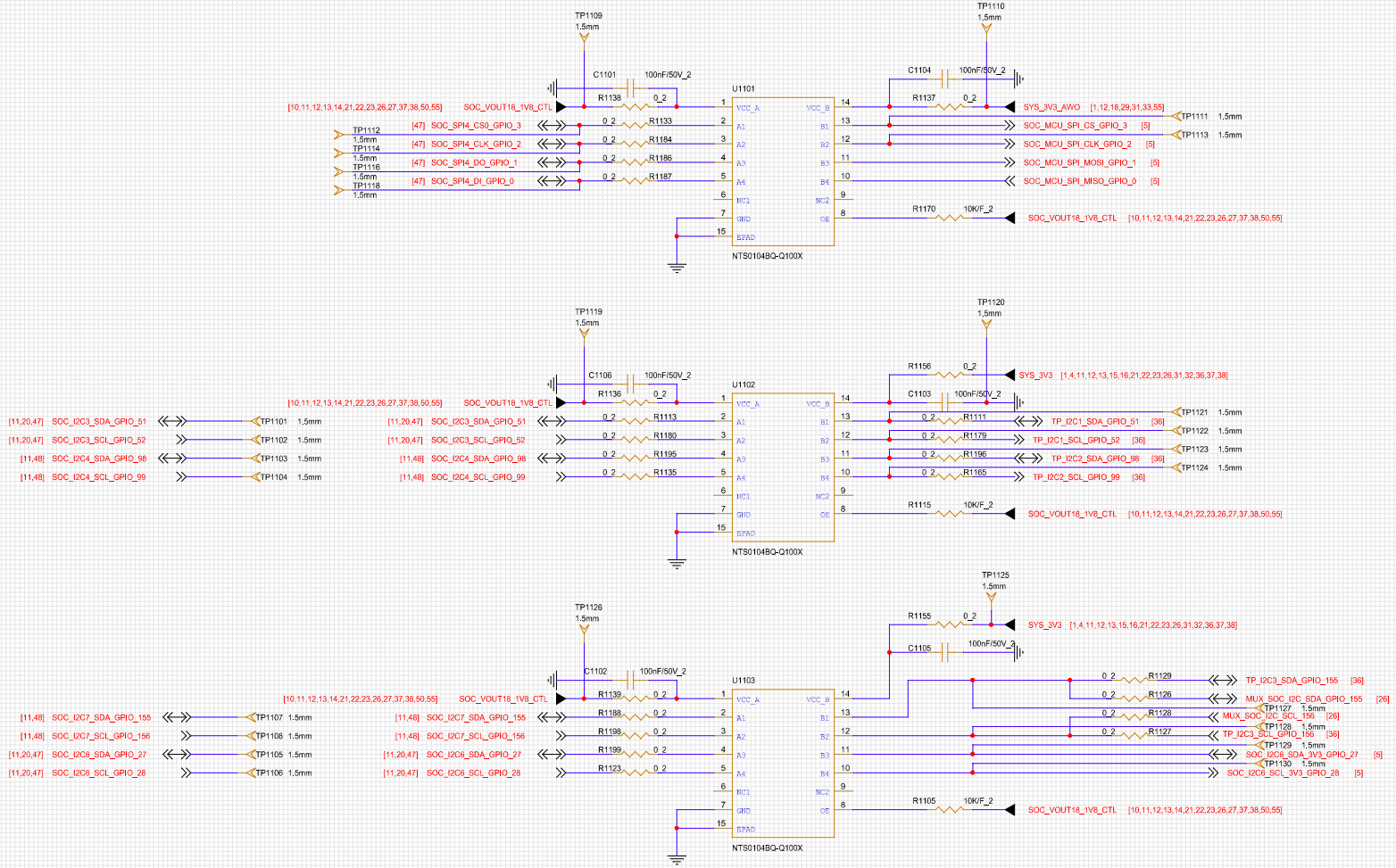
TO BE CHECKED!!!



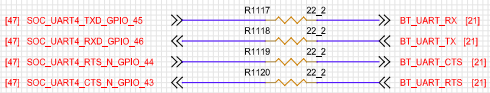
COUPLED CAP： TX close to SOC，RX close to device

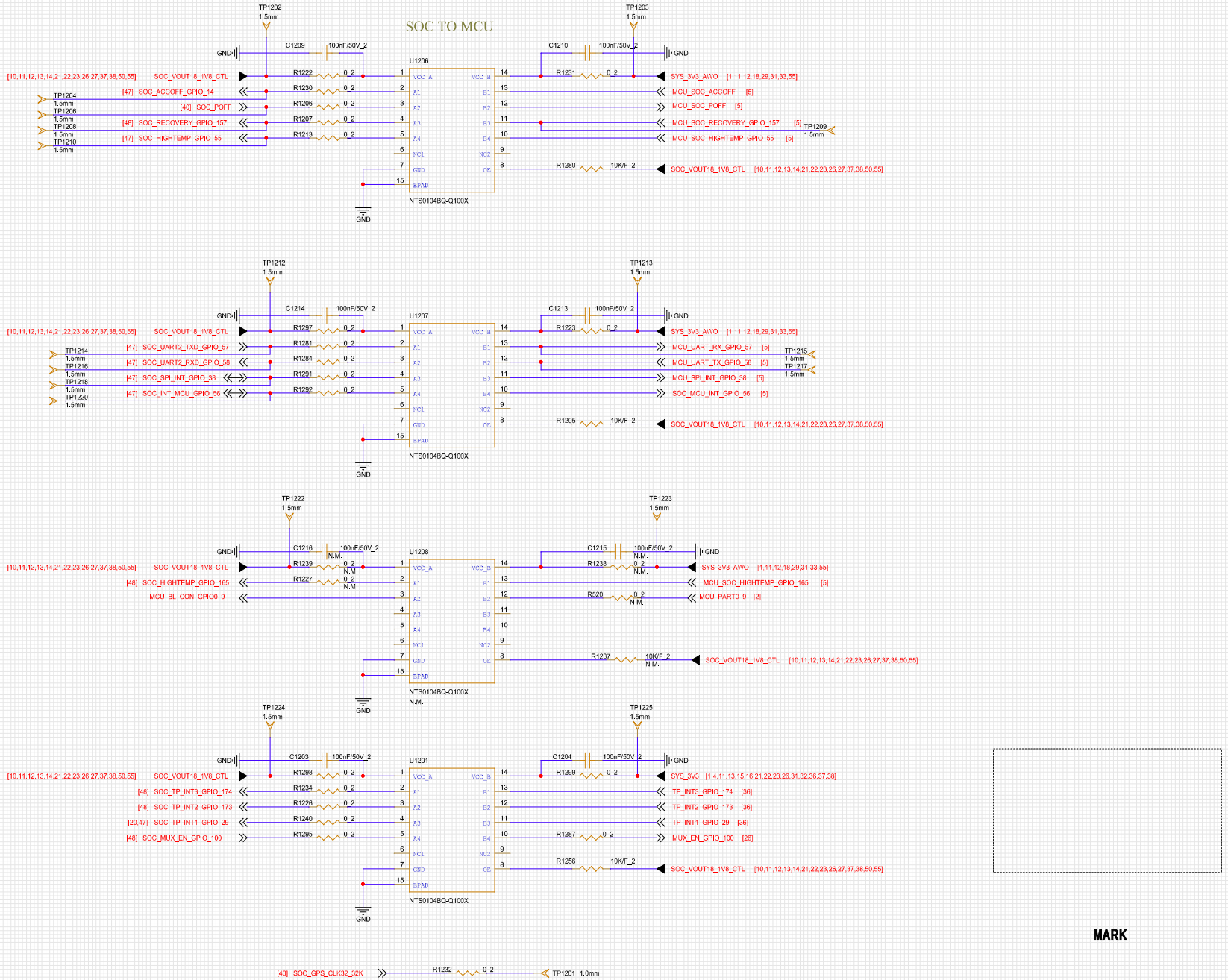


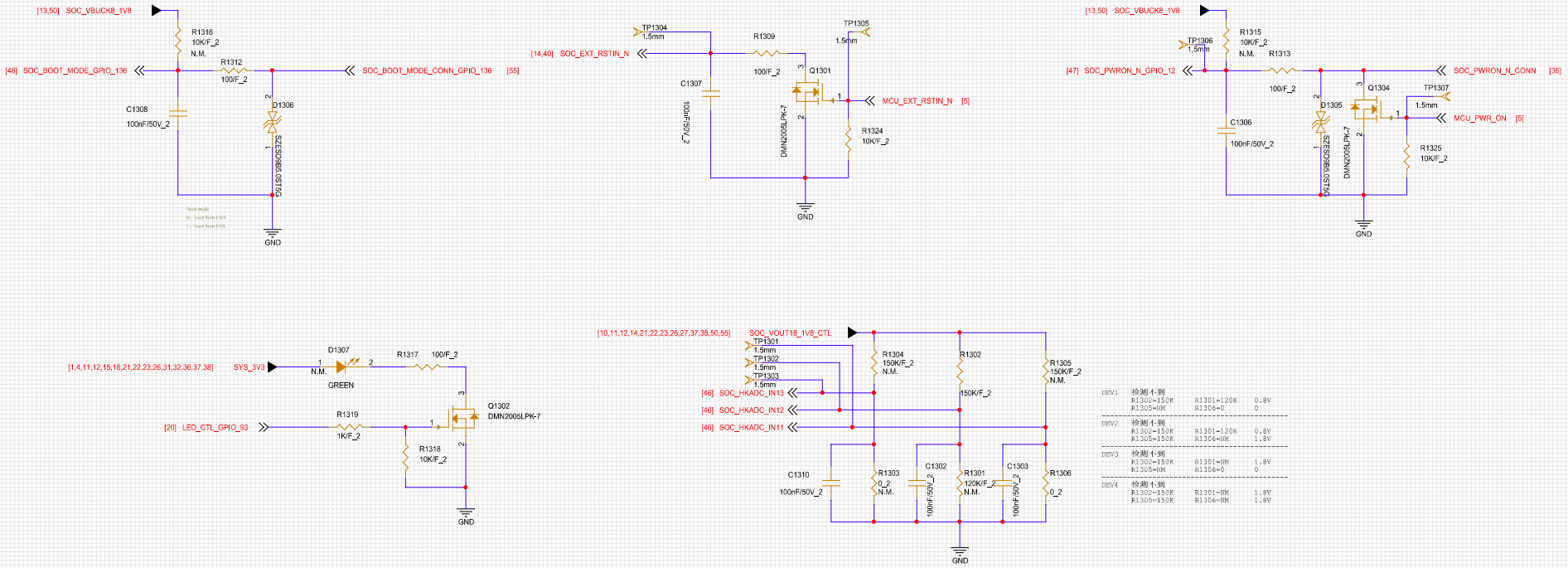



TP1109 1.5mm
TP1110 1.5mm
C1101 100nF/50V_2
C1104 100nF/50V_2
R1138 0_2
R1137 0_2
U1101
[10,11,12,13,14,21,22,23,26,27,37,38,50,55] SOC_VOUT18_1V8_CTL
SYS_3V3_AWO [1,12,18,29,31,33,55]
[47] SOC_SPI4_CS0_GPIO_3
[47] SOC_SPI4_CLK_GPIO_2
[47] SOC_SPI4_DO_GPIO_1
[47] SOC_SPI4_DI_GPIO_0
SOC_MCU_SPI_CS_GPIO_3 [5]
SOC_MCU_SPI_CLK_GPIO_2 [5]
SOC_MCU_SPI_MOSI_GPIO_1 [5]
SOC_MCU_SPI_MISO_GPIO_0 [5]
TP1111 1.5mm
TP1113 1.5mm
TP1112 1.5mm
TP1114 1.5mm
TP1116 1.5mm
TP1118 1.5mm
R1170 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
TP1119 1.5mm
TP1120 1.5mm
C1106 100nF/50V_2
C1103 100nF/50V_2
R1156 0_2
R1136 0_2
U1102
SYS_3V3 [1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38]
[10,11,12,13,14,21,22,23,26,27,37,38,50,55] SOC_VOUT18_1V8_CTL
[11,20,47] SOC_I2C3_SDA_GPIO_51
[11,20,47] SOC_I2C3_SCL_GPIO_52
[11,48] SOC_I2C4_SDA_GPIO_98
[11,48] SOC_I2C4_SCL_GPIO_99
TP_I2C1_SDA_GPIO_51 [36]
TP_I2C1_SCL_GPIO_52 [36]
TP_I2C2_SDA_GPIO_98 [36]
TP_I2C2_SCL_GPIO_99 [36]
TP1101 1.5mm
TP1102 1.5mm
TP1103 1.5mm
TP1104 1.5mm
TP1121 1.5mm
TP1122 1.5mm
TP1123 1.5mm
TP1124 1.5mm
R1115 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
TP1125 1.5mm
TP1126 1.5mm
C1102 100nF/50V_2
C1105 100nF/50V_2
R1155 0_2
R1139 0_2
U1103
SYS_3V3 [1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38]
[10,11,12,13,14,21,22,23,26,27,37,38,50,55] SOC_VOUT18_1V8_CTL
[11,48] SOC_I2C7_SDA_GPIO_155
[11,48] SOC_I2C7_SCL_GPIO_156
[11,20,47] SOC_I2C6_SDA_GPIO_27
[11,20,47] SOC_I2C6_SCL_GPIO_28
TP_I2C3_SDA_GPIO_155 [36]
MUX_SOC_I2C_SDA_GPIO_155 [26]
MUX_SOC_I2C_SCL_156 [26]
TP_I2C3_SCL_GPIO_156 [36]
SOC_I2C6_SDA_3V3_GPIO_27 [5]
SOC_I2C6_SCL_3V3_GPIO_28 [5]
TP1107 1.5mm
TP1108 1.5mm
TP1105 1.5mm
TP1106 1.5mm
TP1127 1.5mm
TP1128 1.5mm
TP1129 1.5mm
TP1130 1.5mm
R1105 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X

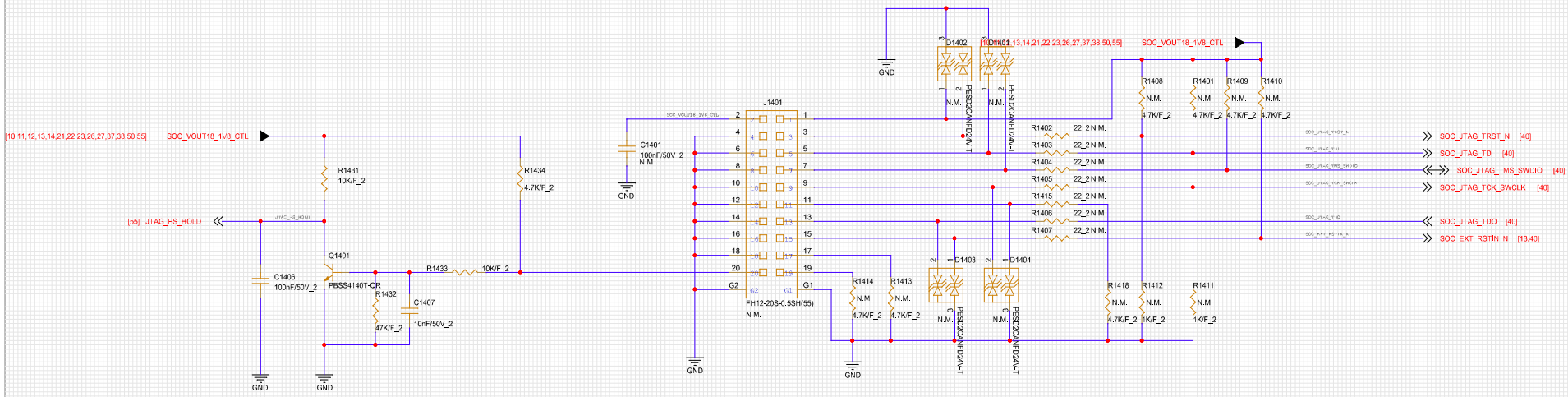
SOC UART


[47] SOC_UART4_TXD_GPIO_45
[47] SOC_UART4_RXD_GPIO_46
[47] SOC_UART4_RTS_N_GPIO_44
[47] SOC_UART4_CTS_N_GPIO_43
R1117 22_2
R1118 22_2
R1119 22_2
R1120 22_2
BT_UART_RX [21]
BT_UART_TX [21]
BT_UART_CTS [21]
BT_UART_RTS [21]

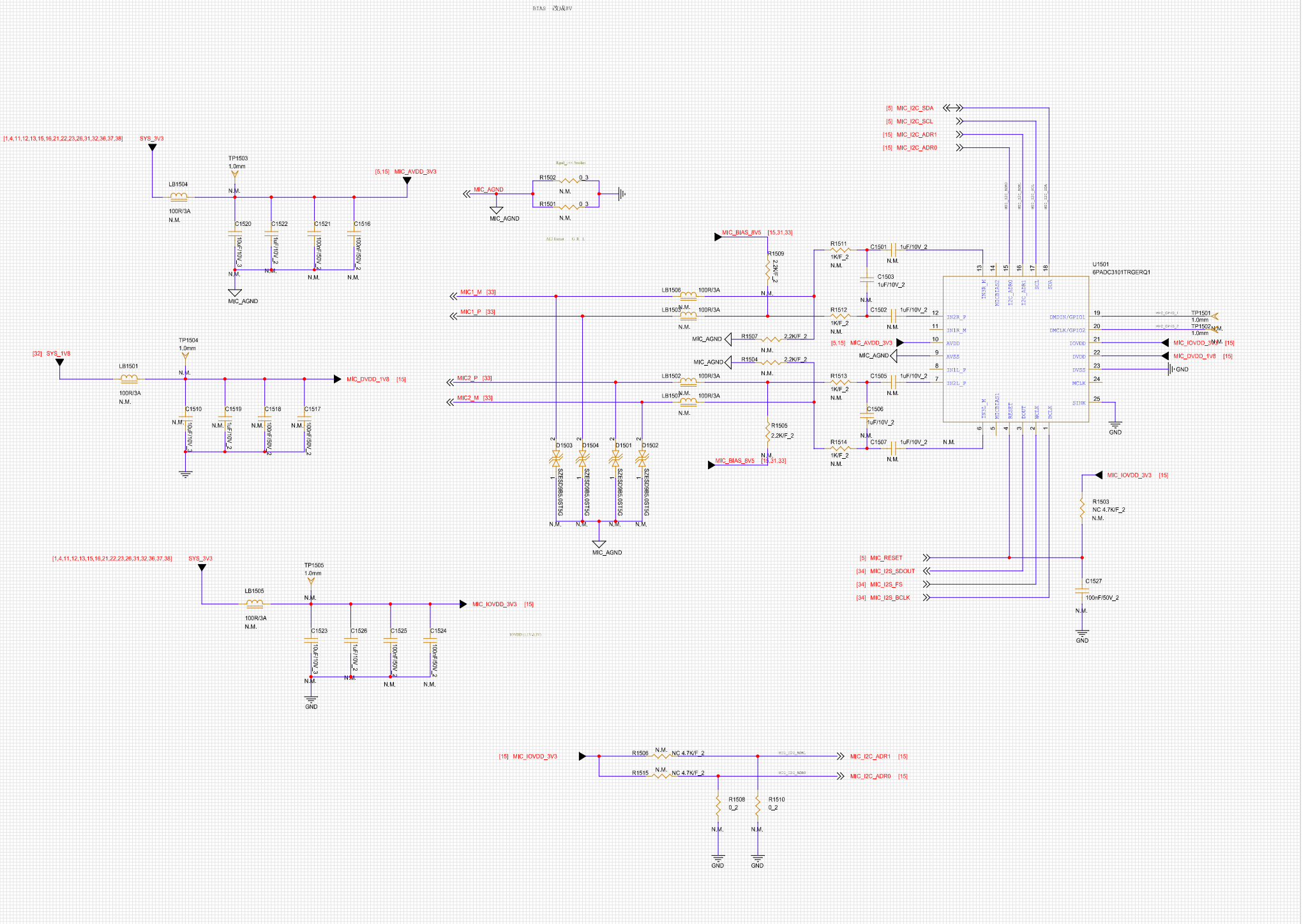

SOC TO MCU
TP1202
1.5mm
TP1203
1.5mm
GND
C1209
100nF/50V_2
C1210
100nF/50V_2
U1206
[10,11,12,13,14,21,22,23,26,27,37,38,50,55] SOC_VOUT18_1V8_CTL
R1222 0_2
R1231 0_2
SYS_3V3_AWO [1,11,12,18,29,31,33,55]
[47] SOC_ACCOFF_GPIO_14
R1230 0_2
MCU_SOC_ACCOFF [5]
[40] SOC_POFF
R1206 0_2
MCU_SOC_POFF [5]
[48] SOC_RECOVERY_GPIO_157
R1207 0_2
MCU_SOC_RECOVERY_GPIO_157 [5]
[47] SOC_HIGHTEMP_GPIO_55
R1213 0_2
MCU_SOC_HIGHTEMP_GPIO_55 [5]
TP1204
TP1206
TP1208
TP1210
TP1209
R1280 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
TP1212
TP1213
C1214
C1213
R1297 0_2
R1223 0_2
SYS_3V3_AWO [1,11,12,18,29,31,33,55]
[47] SOC_UART2_TXD_GPIO_57
R1281 0_2
MCU_UART_RX_GPIO_57 [5]
[47] SOC_UART2_RXD_GPIO_58
R1284 0_2
MCU_UART_TX_GPIO_58 [5]
[47] SOC_SPI_INT_GPIO_38
R1291 0_2
MCU_SPI_INT_GPIO_38 [5]
[47] SOC_INT_MCU_GPIO_56
R1292 0_2
SOC_MCU_INT_GPIO_56 [5]
TP1214
TP1216
TP1218
TP1220
TP1215
TP1217
R1205 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
TP1222
TP1223
C1216
N.M.
C1215
N.M.
R1239 0_2 N.M.
R1238 0_2 N.M.
SYS_3V3_AWO [1,11,12,18,29,31,33,55]
R1227 0_2 N.M.
MCU_SOC_HIGHTEMP_GPIO_165 [5]
MCU_BL_CON_GPIO0_9
R520 0_2 N.M.
MCU_PART0_9 [2]
R1237 10K/F_2 N.M.
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
N.M.
TP1224
TP1225
C1203
C1204
R1298 0_2
R1299 0_2
SYS_3V3 [1,4,11,13,15,16,21,22,23,26,31,32,36,37,38]
[48] SOC_TP_INT3_GPIO_174
R1234 0_2
TP_INT3_GPIO_174 [36]
[48] SOC_TP_INT2_GPIO_173
R1226 0_2
TP_INT2_GPIO_173 [36]
[20,47] SOC_TP_INT1_GPIO_29
R1240 0_2
TP_INT1_GPIO_29 [36]
[48] SOC_MUX_EN_GPIO_100
R1295 0_2
R1287 0_2
MUX_EN_GPIO_100 [26]
R1256 10K/F_2
SOC_VOUT18_1V8_CTL [10,11,12,13,14,21,22,23,26,27,37,38,50,55]
NTS0104BQ-Q100X
[40] SOC_GPS_CLK32_32K
R1232 0_2
TP1201 1.0mm
MARK

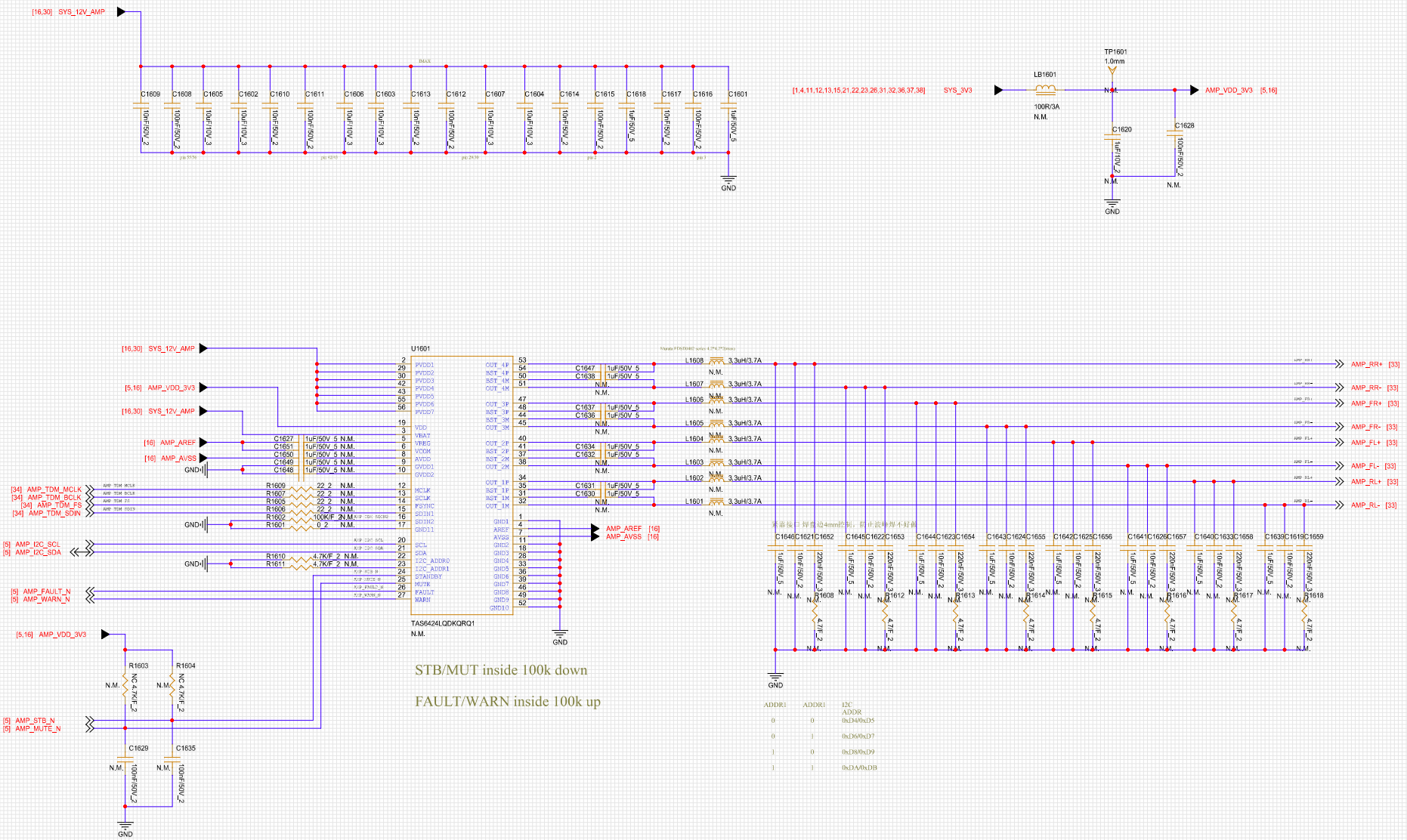


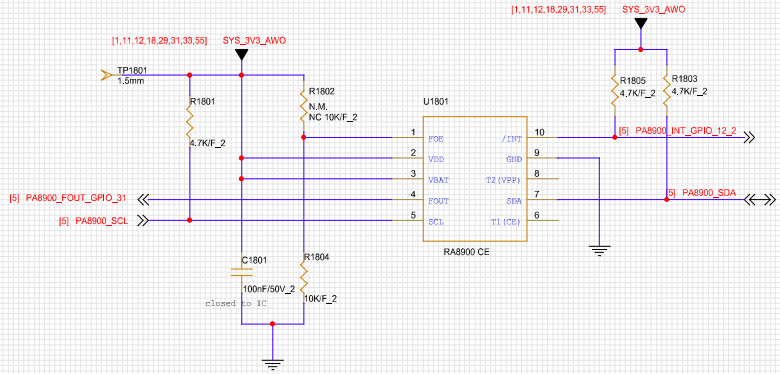
DEV1	检测4-到		
	R1302=150K	R1301=120K	0.8V
	R1305=NM	R1306=0	0
DEV2	检测4-到		
	R1302=150K	R1301=120K	0.8V
	R1305=150K	R1306=NM	1.8V
DEV3	检测4-到		
	R1302=150K	R1301=NM	1.8V
	R1305=NM	R1306=0	0
DEV4	检测4-到		
	R1302=150K	R1301=NM	1.8V
	R1305=150K	R1306=NM	1.8V

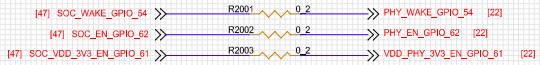


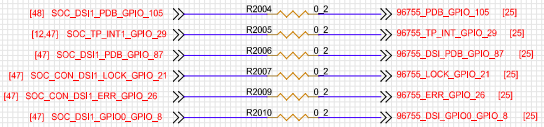
Add PS_HOLD for JTAG

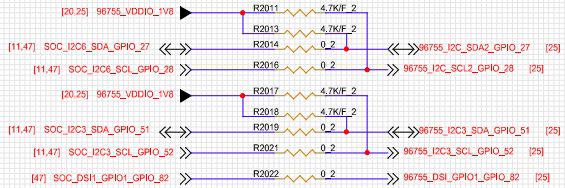

[1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38] SYS_3V3
TP1503 1.0mm
LB1504 100R/3A N.M.
C1520 10uF/10V_3
C1522 1uF/10V_2
C1521 100nF/50V_2
C1516 100nF/50V_2
[5,15] MIC_AVDD_3V3
MIC_AGND
[32] SYS_1V8
TP1504 1.0mm
LB1501 100R/3A N.M.
C1510 10uF/10V_3
C1519 1uF/10V_2
C1518 100nF/50V_2
C1517 100nF/50V_2
MIC_DVDD_1V8 [15]
[1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38] SYS_3V3
TP1505 1.0mm
LB1505 100R/3A N.M.
C1523 10uF/10V_3
C1526 1uF/10V_2
C1525 100nF/50V_2
C1524 100nF/50V_2
GND
MIC_IOVDD_3V3 [15]
R1502 0_3 N.M.
R1501 0_3 N.M.
MIC_AGND
MIC_BIAS_8V5 [15,31,33]
R1509 2.2K/F_2 N.M.
MIC1_M [33]
MIC1_P [33]
LB1506 100R/3A N.M.
LB1503 100R/3A N.M.
R1507 2.2K/F_2 N.M.
R1504 2.2K/F_2 N.M.
MIC2_P [33]
MIC2_M [33]
LB1502 100R/3A N.M.
LB1507 100R/3A N.M.
R1505 2.2K/F_2 N.M.
D1503 D1504 D1501 D1502 SZESD9B5.0ST5G
R1511 1K/F_2 N.M.
R1512 1K/F_2 N.M.
R1513 1K/F_2 N.M.
R1514 1K/F_2 N.M.
C1501 1uF/10V_2 N.M.
C1503 1uF/10V_2 N.M.
C1502 1uF/10V_2 N.M.
C1505 1uF/10V_2 N.M.
C1506 1uF/10V_2 N.M.
C1507 1uF/10V_2 N.M.
[5] MIC_I2C_SDA
[5] MIC_I2C_SCL
[15] MIC_I2C_ADR1
[15] MIC_I2C_ADR0
U1501 6PADC3101TRGERQ1
IN3R_M
MICBIAS2
I2C_ADR0
I2C_ADR1
SCL
SDA
IN2R_P
IN1R_M
AVDD
AVSS
IN1L_P
IN2L_P
IN3L_M
MICBIAS1
RESET
DOUT
WCLK
BCLK
DMDIN/GPIO1
DMCLK/GPIO2
IOVDD
DVDD
DVSS
MCLK
SDWK
TP1501 1.0mm
TP1502 1.0mm
N.M.
MIC_IOVDD_3V3 [15]
MIC_DVDD_1V8 [15]
GND
[5] MIC_RESET
[34] MIC_I2S_SDOUT
[34] MIC_I2S_FS
[34] MIC_I2S_BCLK
R1503 NC 4.7K/F_2 N.M.
C1527 100nF/50V_2 N.M.
[15] MIC_IOVDD_3V3
R1506 NC 4.7K/F_2 N.M.
R1515 NC 4.7K/F_2 N.M.
MIC_I2C_ADR1 [15]
MIC_I2C_ADR0 [15]
R1508 0_2 N.M.
R1510 0_2 N.M.


[16,30] SYS_12V_AMP
C1609 10nF/50V_2
C1608 100nF/50V_2
C1605 10uF/10V_3
C1602 10uF/10V_3
C1610 10nF/50V_2
C1611 100nF/50V_2
C1606 10uF/10V_3
C1603 10uF/10V_3
C1613 10nF/50V_2
C1612 100nF/50V_2
C1607 10uF/10V_3
C1604 10uF/10V_3
C1614 10nF/50V_2
C1615 100nF/50V_2
C1618 1uF/50V_5
C1617 10nF/50V_2
C1616 100nF/50V_2
C1601 1uF/50V_5
GND
[1,4,11,12,13,15,21,22,23,26,31,32,36,37,38] SYS_3V3
LB1601
100R/3A
N.M.
TP1601
1.0mm
AMP_VDD_3V3 [5,16]
C1620 1uF/10V_2
C1628 100nF/50V_2
U1601
TAS6424LQDKQRQ1
[16,30] SYS_12V_AMP
[5,16] AMP_VDD_3V3
[16] AMP_AREF
[16] AMP_AVSS
C1627 1uF/50V_5
C1651 1uF/50V_5
C1650 1uF/50V_5
C1649 1uF/50V_5
C1648 1uF/50V_5
[34] AMP_TDM_MCLK
[34] AMP_TDM_BCLK
[34] AMP_TDM_FS
[34] AMP_TDM_SDIN
R1609 22_2
R1607 22_2
R1605 22_2
R1606 22_2
R1602 100K/F_2
R1601 0_2
[5] AMP_I2C_SCL
[5] AMP_I2C_SDA
R1610 4.7K/F_2
R1611 4.7K/F_2
[5] AMP_FAULT_N
[5] AMP_WARN_N
R1603 NC 4.7K/F_2
R1604 NC 4.7K/F_2
[5] AMP_STB_N
[5] AMP_MUTE_N
C1629 100nF/50V_2
C1635 100nF/50V_2
C1647 1uF/50V_5
C1638 1uF/50V_5
C1637 1uF/50V_5
C1636 1uF/50V_5
C1634 1uF/50V_5
C1632 1uF/50V_5
C1631 1uF/50V_5
C1630 1uF/50V_5
L1608 3.3uH/3.7A
L1607 3.3uH/3.7A
L1606 3.3uH/3.7A
L1605 3.3uH/3.7A
L1604 3.3uH/3.7A
L1603 3.3uH/3.7A
L1602 3.3uH/3.7A
L1601 3.3uH/3.7A
AMP_RR+ [33]
AMP_RR- [33]
AMP_FR+ [33]
AMP_FR- [33]
AMP_FL+ [33]
AMP_FL- [33]
AMP_RL+ [33]
AMP_RL- [33]
C1646 C1621 C1652 C1645 C1622 C1653 C1644 C1623 C1654 C1643 C1624 C1655 C1642 C1625 C1656 C1641 C1626 C1657 C1640 C1633 C1658 C1639 C1619 C1659
1uF/50V_5
10nF/50V_2
220nF/50V_3
4.7F_2
R1608 R1612 R1613 R1614 R1615 R1616 R1617 R1618
STB/MUT inside 100k down
FAULT/WARN inside 100k up
ADDR1 ADDR1 I2C ADDR
0 0 0xD4/0xD5
0 1 0xD6/0xD7
1 0 0xD8/0xD9
1 1 0xDA/0xDB

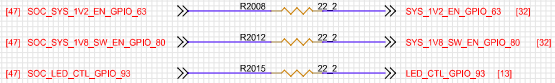

[1,11,12,18,29,31,33,55]
SYS_3V3_AWO
TP1801
1.5mm
R1801
4.7K/F_2
R1802
N.M.
NC 10K/F_2
U1801
1
FOE
2
VDD
3
VBAT
4
FOUT
5
SCL
10
/INT
9
GND
8
T2 (VPP)
7
SDA
6
T1 (CE)
RA8900 CE
[1,11,12,18,29,31,33,55]
SYS_3V3_AWO
R1805
4.7K/F_2
R1803
4.7K/F_2
[5] PA8900_INT_GPIO_12_2
[5] PA8900_SDA
[5] PA8900_FOUT_GPIO_31
[5] PA8900_SCL
C1801
100nF/50V_2
closed to IC
R1804
10K/F_2



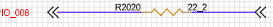




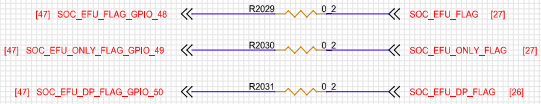
SOC TO POWER

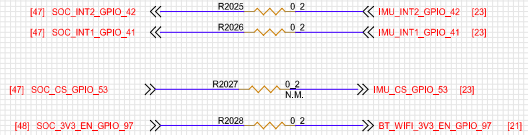


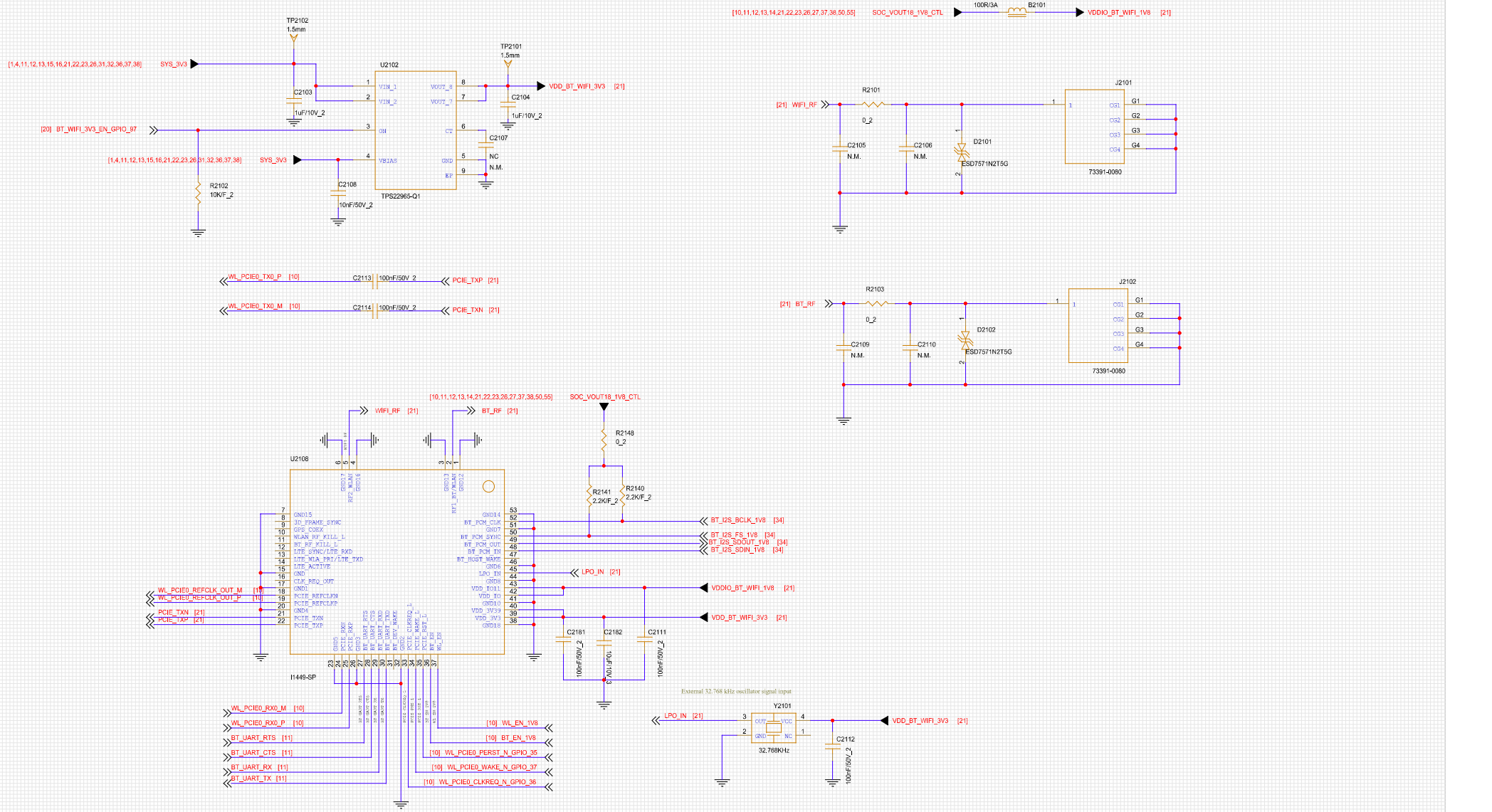
SOC TO LCD&CAM&DP

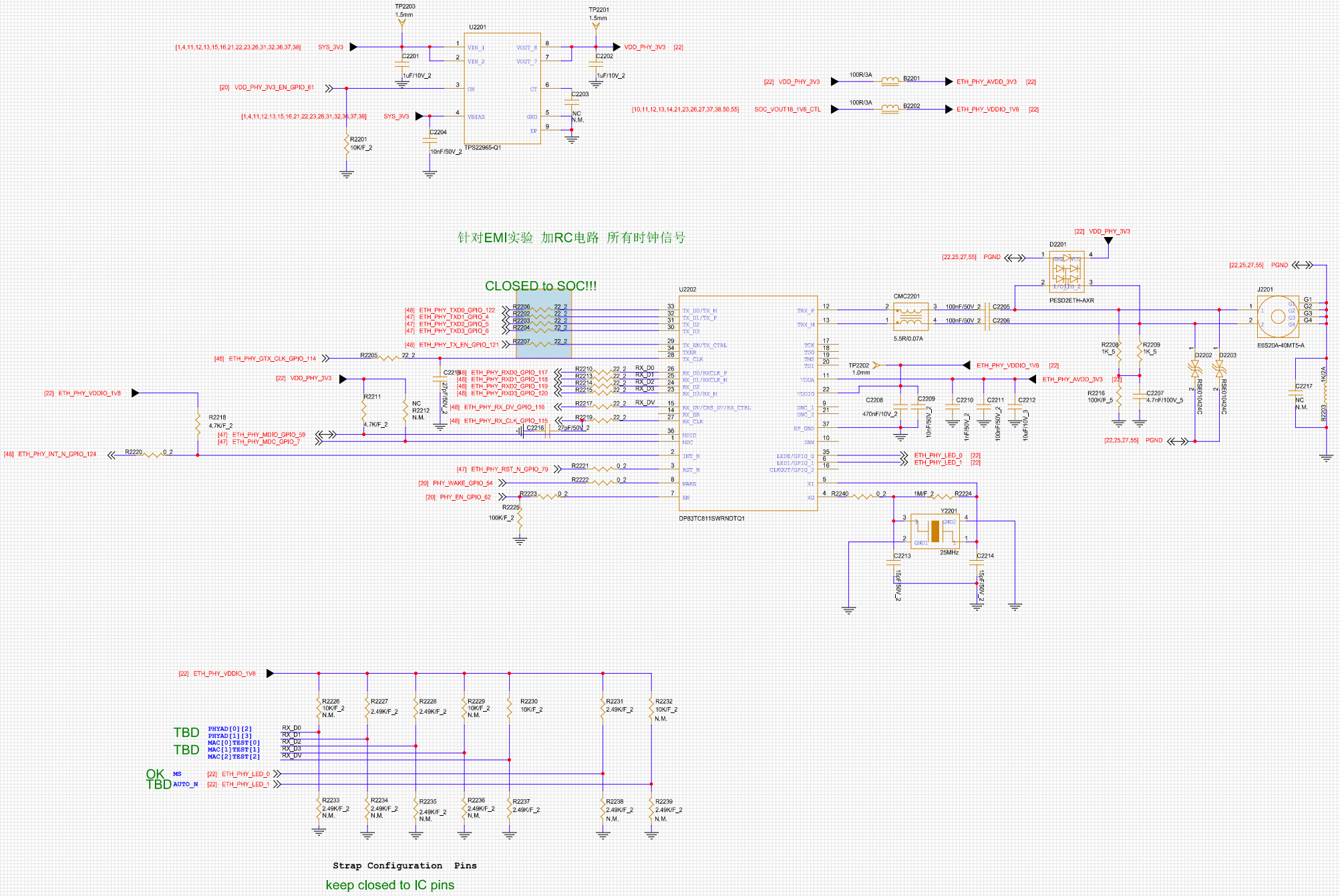


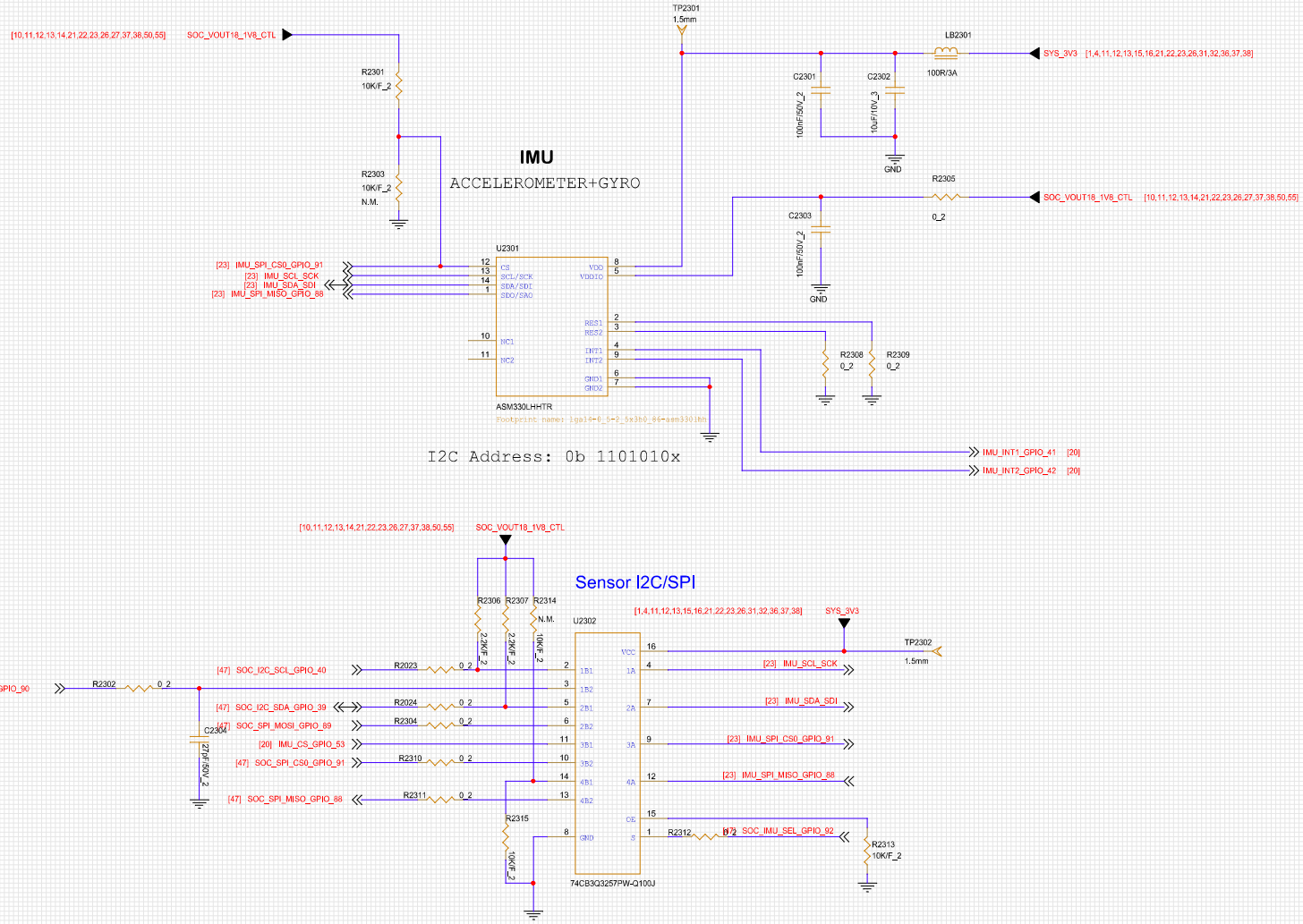
SOC TO USB EFU FLAG

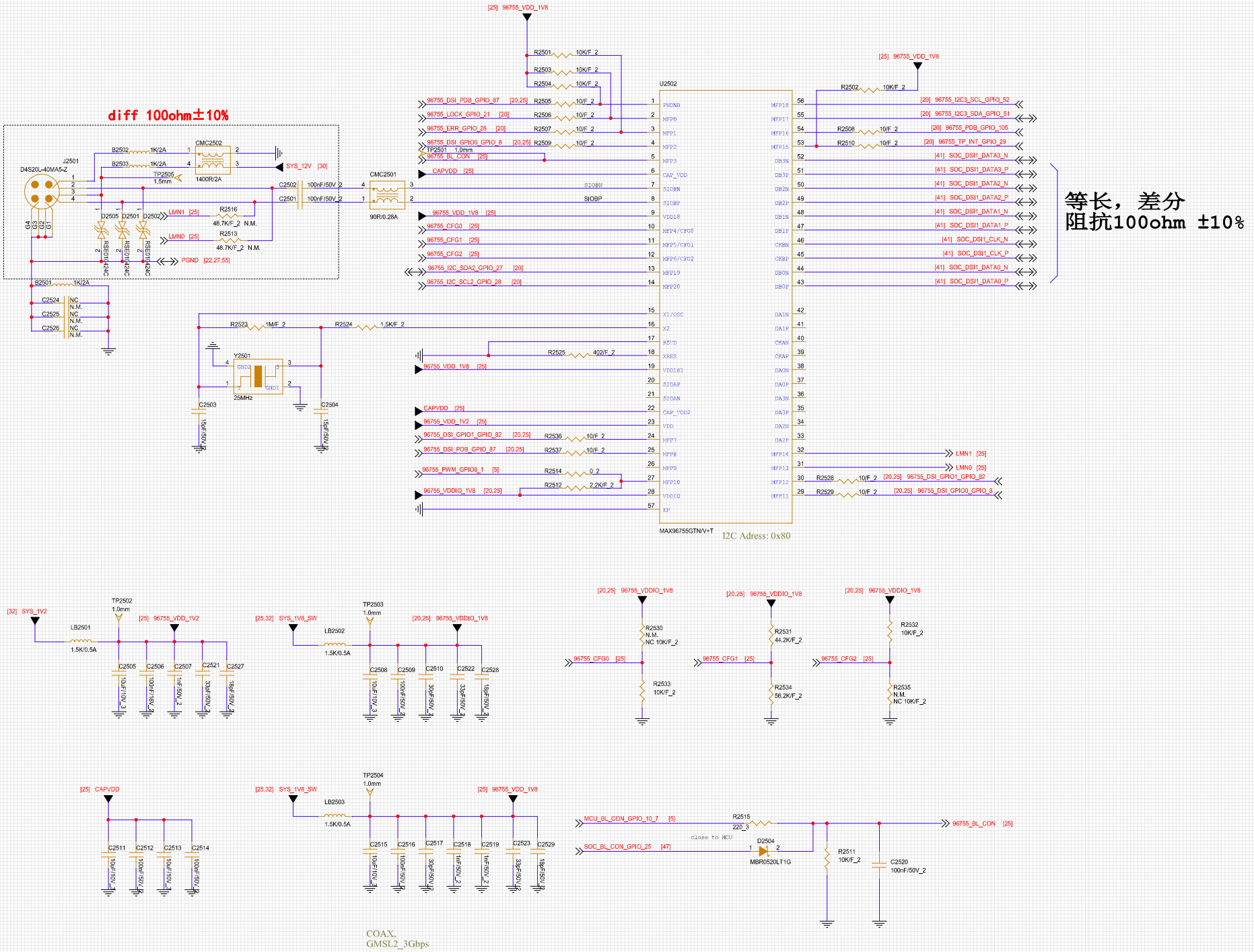


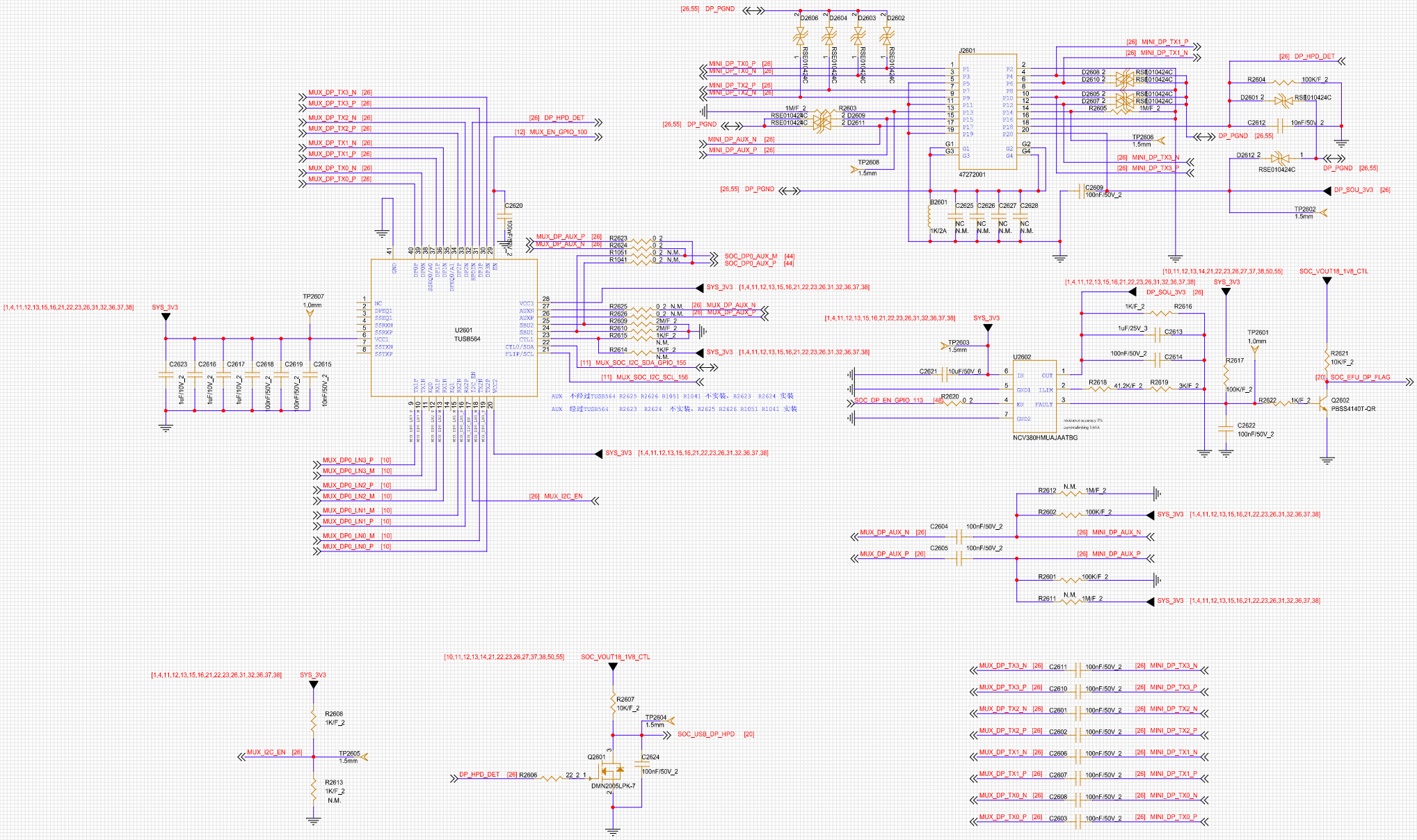



TP2102
1.5mm
[1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38]
SYS_3V3
U2102
C2103
1uF/10V_2
VIN_1
VIN_2
VOUT_8
VOUT_7
TP2101
1.5mm
VDD_BT_WIFI_3V3 [21]
C2104
1uF/10V_2
[20] BT_WIFI_3V3_EN_GPIO_97
ON
CT
C2107
NC
N.M.
VBIAS
GND
EP
TPS22965-Q1
C2108
10nF/50V_2
R2102
10K/F_2
[10,11,12,13,14,21,22,23,26,27,37,38,50,55]
SOC_VOUT18_1V8_CTL
100R/3A
B2101
VDDIO_BT_WIFI_1V8 [21]
[21] WIFI_RF
R2101
0_2
C2105
N.M.
C2106
N.M.
D2101
ESD7571N2T5G
J2101
CG1
CG2
CG3
CG4
G1
G2
G3
G4
73391-0080
WL_PCIE0_TX0_P [10]
C2113
100nF/50V_2
PCIE_TXP [21]
WL_PCIE0_TX0_M [10]
C2114
100nF/50V_2
PCIE_TXN [21]
[21] BT_RF
R2103
0_2
C2109
N.M.
C2110
N.M.
D2102
ESD7571N2T5G
J2102
73391-0080
WIFI_RF [21]
BT_RF [21]
[10,11,12,13,14,21,22,23,26,27,37,38,50,55]
SOC_VOUT18_1V8_CTL
R2148
0_2
U2108
R2141
2.2K/F_2
R2140
2.2K/F_2
BT_I2S_BCLK_1V8 [34]
BT_I2S_FS_1V8 [34]
BT_I2S_SDOUT_1V8 [34]
BT_I2S_SDIN_1V8 [34]
LPO_IN [21]
VDDIO_BT_WIFI_1V8 [21]
VDD_BT_WIFI_3V3 [21]
WL_PCIE0_REFCLK_OUT_M [10]
WL_PCIE0_REFCLK_OUT_P [10]
PCIE_TXN [21]
PCIE_TXP [21]
C2181
100nF/50V_2
C2182
10uF/10V_3
C2111
100nF/50V_2
I1449-SP
WL_PCIE0_RX0_M [10]
WL_PCIE0_RX0_P [10]
BT_UART_RTS [11]
BT_UART_CTS [11]
BT_UART_RX [11]
BT_UART_TX [11]
[10] WL_EN_1V8
[10] BT_EN_1V8
[10] WL_PCIE0_PERST_N_GPIO_35
[10] WL_PCIE0_WAKE_N_GPIO_37
[10] WL_PCIE0_CLKREQ_N_GPIO_36
External 32.768 kHz oscillator signal input
LPO_IN [21]
Y2101
32.768KHz
VDD_BT_WIFI_3V3 [21]
C2112
100nF/50V_2

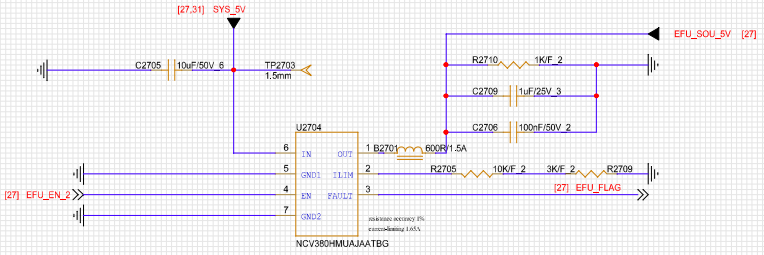

TP2203
1.5mm
U2201
TP2201
1.5mm
[1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38]
SYS_3V3
C2201
1uF/10V_2
VIN_1
VIN_2
VOUT_8
VOUT_7
VDD_PHY_3V3 [22]
C2202
1uF/10V_2
[20] VDD_PHY_3V3_EN_GPIO_81
ON
CT
C2203
NC
N.M.
[1,4,11,12,13,15,16,21,22,23,26,31,32,36,37,38]
SYS_3V3
VBIAS
GND
EP
C2204
10nF/50V_2
TPS22965-Q1
R2201
10K/F_2
[22] VDD_PHY_3V3
100R/3A
B2201
ETH_PHY_AVDD_3V3 [22]
[10,11,12,13,14,21,23,26,27,37,38,50,55]
SOC_VOUT18_1V8_CTL
100R/3A
B2202
ETH_PHY_VDDIO_1V8 [22]
针对EMI实验 加RC电路 所有时钟信号
CLOSED to SOC!!!
U2202
[48] ETH_PHY_TXD0_GPIO_122
[47] ETH_PHY_TXD1_GPIO_4
[47] ETH_PHY_TXD2_GPIO_5
[47] ETH_PHY_TXD3_GPIO_6
R2206
R2202
R2203
R2204
22_2
[48] ETH_PHY_TX_EN_GPIO_121
R2207
22_2
[48] ETH_PHY_GTX_CLK_GPIO_114
R2205
22_2
C2215
27pF/50V_2
[48] ETH_PHY_RXD0_GPIO_117
[48] ETH_PHY_RXD1_GPIO_118
[48] ETH_PHY_RXD2_GPIO_119
[48] ETH_PHY_RXD3_GPIO_120
R2210
R2213
R2214
R2215
RX_D0
RX_D1
RX_D2
RX_D3
[48] ETH_PHY_RX_DV_GPIO_116
R2217
RX_DV
[48] ETH_PHY_RX_CLK_GPIO_115
R2219
22_2
C2216
27pF/50V_2
[22] VDD_PHY_3V3
R2211
4.7K/F_2
NC
R2212
N.M.
[22] ETH_PHY_VDDIO_1V8
R2218
4.7K/F_2
[47] ETH_PHY_MDIO_GPIO_59
[47] ETH_PHY_MDC_GPIO_7
[48] ETH_PHY_INT_N_GPIO_124
R2220
0_2
[47] ETH_PHY_RST_N_GPIO_79
R2221
0_2
[20] PHY_WAKE_GPIO_54
R2222
0_2
[20] PHY_EN_GPIO_62
R2223
0_2
R2225
100K/F_2
DP83TC811SWRNDTQ1
TX_D0/TX_M
TX_D1/TX_P
TX_D2
TX_D3
TX_EN/TX_CTRL
TXER
TX_CLK
RX_D0/RXCLK_P
RX_D1/RXCLK_M
RX_D2
RX_D3/RX_M
RX_DV/CRS_DV/RX_CTRL
RX_ER
RX_CLK
MDIO
MDC
INT_N
RST_N
WAKE
EN
TRX_P
TRX_M
TCK
TDO
TMS
TDI
VDDA
VDDIO
DNC_1
DNC_2
EN_GND
INH
LED0/GPIO_0
LED1/GPIO_1
CLKOUT/GPIO_2
XI
XO
CMC2201
5.5R/0.07A
100nF/50V_2
C2205
100nF/50V_2
C2206
[22] VDD_PHY_3V3
D2201
PESD2ETH-AXR
[22,25,27,55] PGND
J2201
E6S20A-40MT5-A
R2208
1K_5
R2209
1K_5
R2216
100K/F_5
C2207
4.7nF/100V_5
D2202
D2203
RSE0102C
RSE0102C
C2217
NC
N.M.
R2223
1K/A
TP2202
1.0mm
ETH_PHY_VDDIO_1V8 [22]
ETH_PHY_AVDD_3V3 [22]
C2208
470nF/10V_2
C2209
10nF/50V_2
C2210
1nF/50V_2
C2211
100nF/50V_2
C2212
10uF/10V_3
ETH_PHY_LED_0 [22]
ETH_PHY_LED_1 [22]
R2240
0_2
1M/F_2
R2224
Y2201
25MHz
C2213
15nF/50V_2
C2214
15nF/50V_2
[22] ETH_PHY_VDDIO_1V8
R2226
10K/F_2
N.M.
R2227
2.49K/F_2
R2228
2.49K/F_2
R2229
10K/F_2
N.M.
R2230
10K/F_2
R2231
2.49K/F_2
R2232
10K/F_2
N.M.
TBD
PHYAD[0][2]
PHYAD[1][3]
MAC[0]TEST[0]
MAC[1]TEST[1]
MAC[2]TEST[2]
TBD
RX_D0
RX_D1
RX_D2
RX_D3
RX_DV
OK
MS
TBD
AUTO_N
[22] ETH_PHY_LED_0
[22] ETH_PHY_LED_1
R2233
2.49K/F_2
N.M.
R2234
2.49K/F_2
N.M.
R2235
2.49K/F_2
N.M.
R2236
2.49K/F_2
N.M.
R2237
2.49K/F_2
R2238
2.49K/F_2
N.M.
R2239
2.49K/F_2
N.M.
Strap Configuration Pins
keep closed to IC pins


IMU
ACCELEROMETER+GYRO
I2C Address: 0b 1101010x
ASM330LHHTR
U2301
TP2301
1.5mm
LB2301
100R/3A
SYS_3V3
C2301
100nF/50V_2
C2302
10uF/10V_3
GND
R2301
10K/F_2
R2303
10K/F_2
N.M.
R2305
0_2
SOC_VOUT18_1V8_CTL
C2303
100nF/50V_2
R2308
0_2
R2309
0_2
IMU_INT1_GPIO_41
IMU_INT2_GPIO_42
IMU_SPI_CS0_GPIO_91
IMU_SCL_SCK
IMU_SDA_SDI
IMU_SPI_MISO_GPIO_88
Sensor I2C/SPI
U2302
74CB3Q3257PW-Q100J
TP2302
1.5mm
R2306
2.2K/F_2
R2307
2.2K/F_2
R2314
10K/F_2
N.M.
R2315
10K/F_2
R2312
R2313
10K/F_2
R2302
0_2
R2023
0_2
R2024
0_2
R2304
0_2
R2310
0_2
R2311
0_2
C2304
27pF/50V_2
SOC_I2C_SCL_GPIO_40
SOC_I2C_SDA_GPIO_39
SOC_SPI_MOSI_GPIO_89
IMU_CS_GPIO_53
SOC_SPI_CS0_GPIO_91
SOC_SPI_MISO_GPIO_88
SOC_SPI_CLK_GPIO_90
SOC_IMU_SEL_GPIO_92

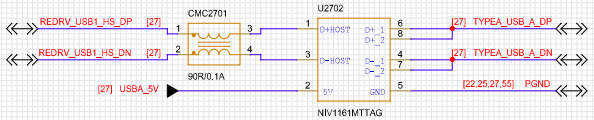

diff 100ohm±10%
等长，差分
阻抗100ohm ±10%
U2502
MAX96755GTN/V+T
I2C Adress: 0x80
COAX,
GMSL2_3Gbps

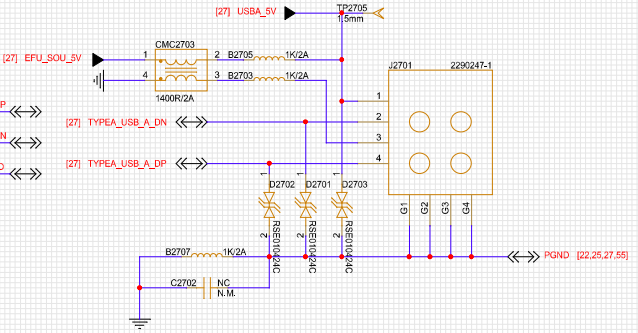

U2601
TUSB564
U2602
NCV380HMUAJAATBG
J2601
47272001
SYS_3V3
DP_PGND
SOC_VOUT18_1V8_CTL
SOC_USB_DP_HPD
SOC_EFU_DP_FLAG
DP_SOU_3V3
MUX_I2C_EN
MUX_DP_AUX_P
MUX_DP_AUX_N
SOC_DP_EN_GPIO_113
DP_HPD_DET
MUX_EN_GPIO_100
AUX 不经过TUSB564 R2625 R2626 R1051 R1041 不实装，R2623 R2624 实装
AUX 经过TUSB564 R2623 R2624 不实装，R2625 R2626 R1051 R1041 实装

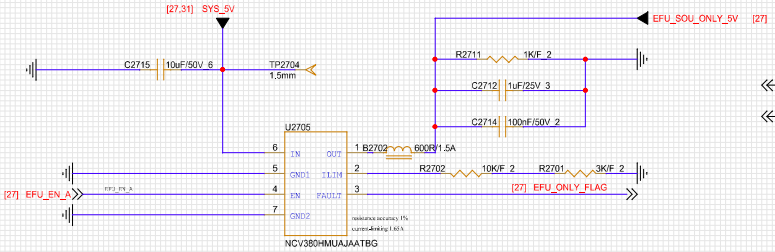
USB VBUS Protection

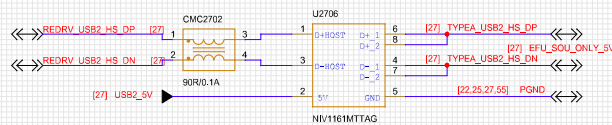


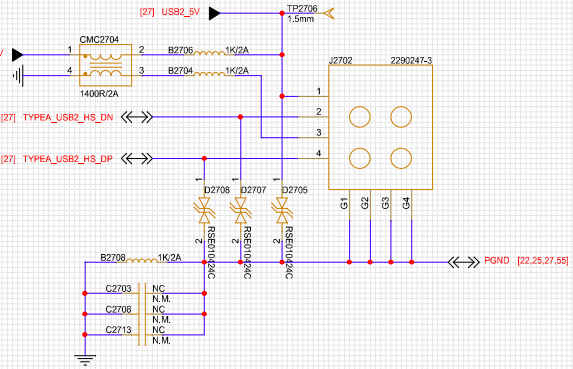
ESD Protection

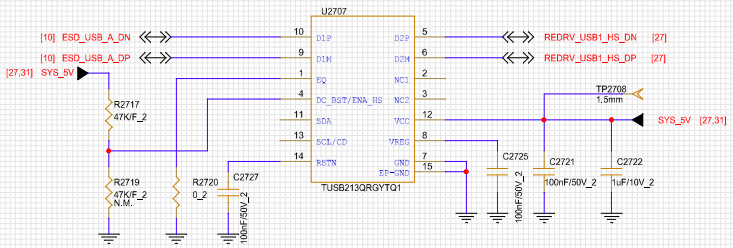


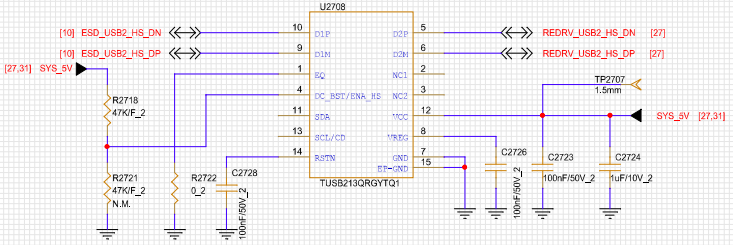


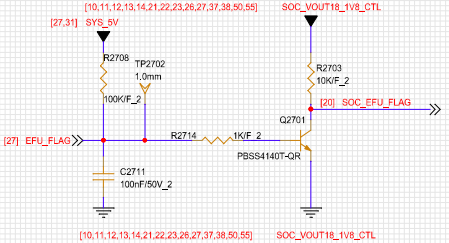


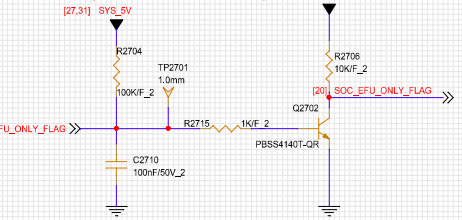


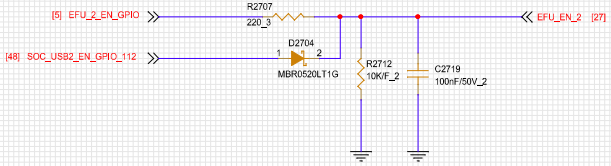


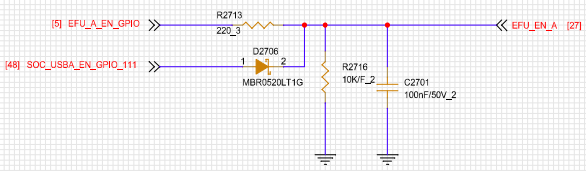


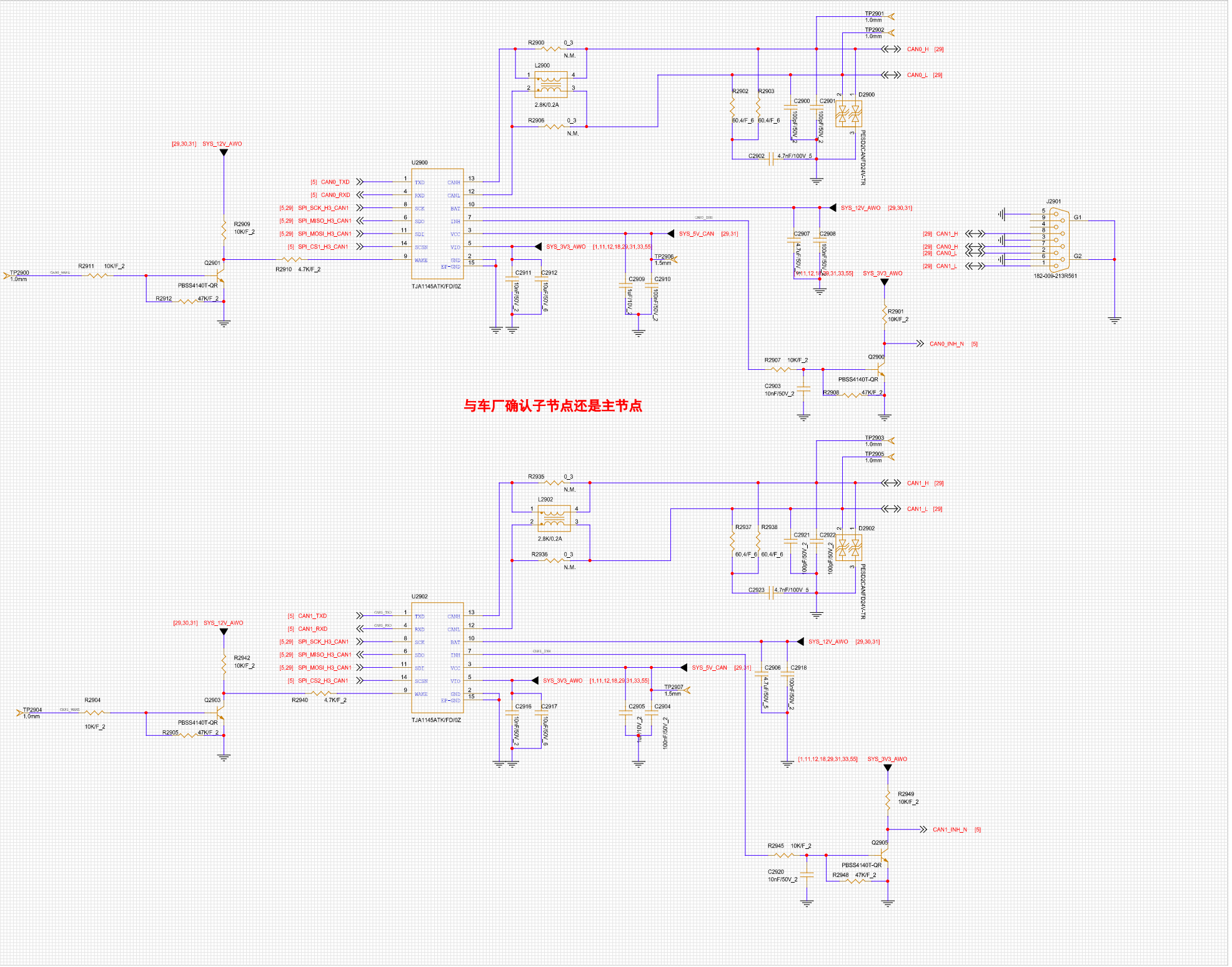


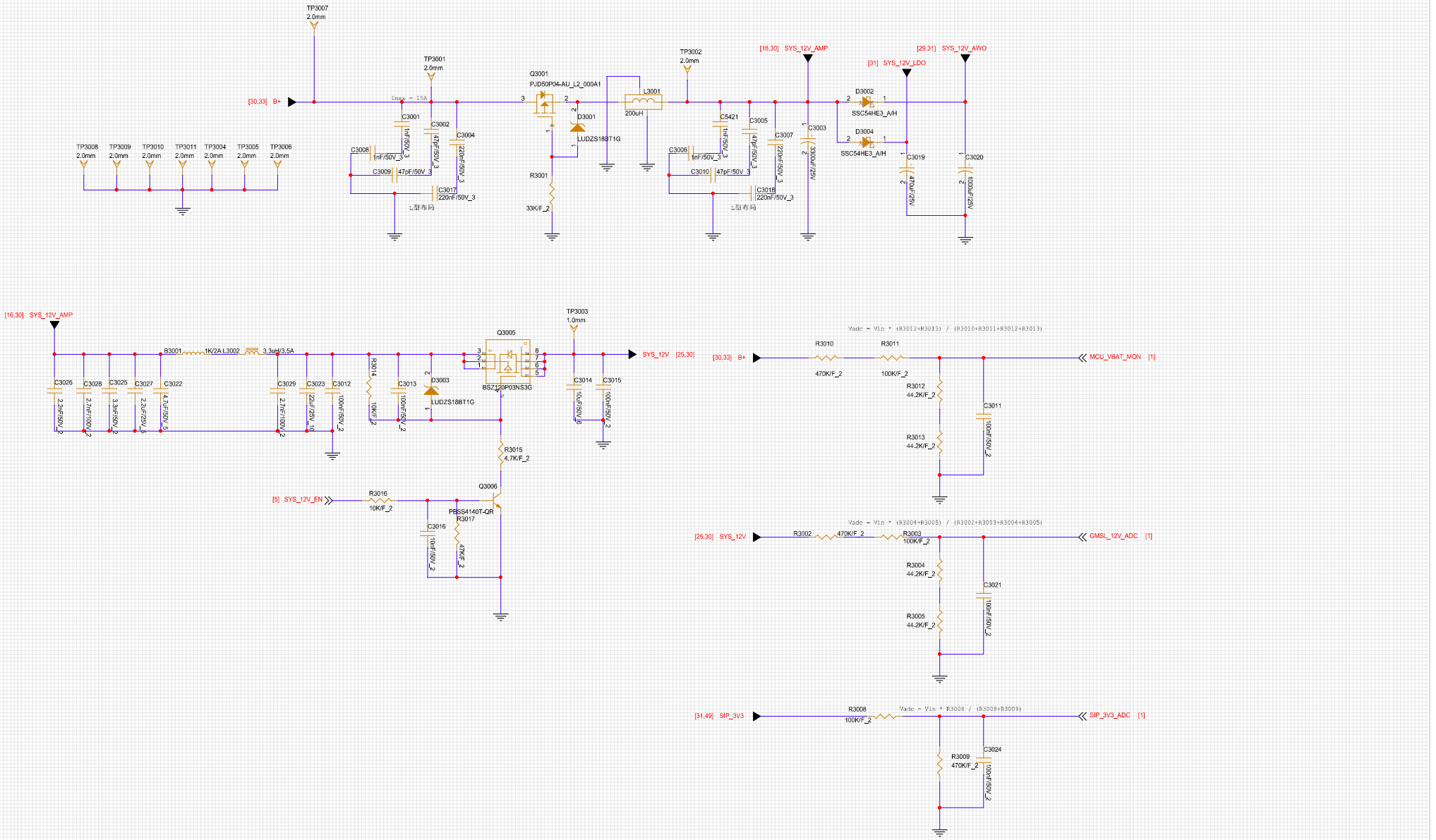




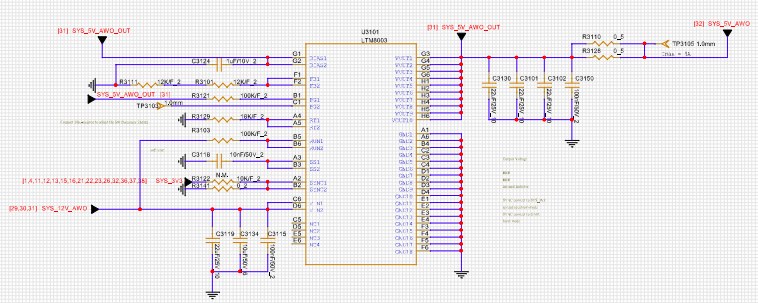




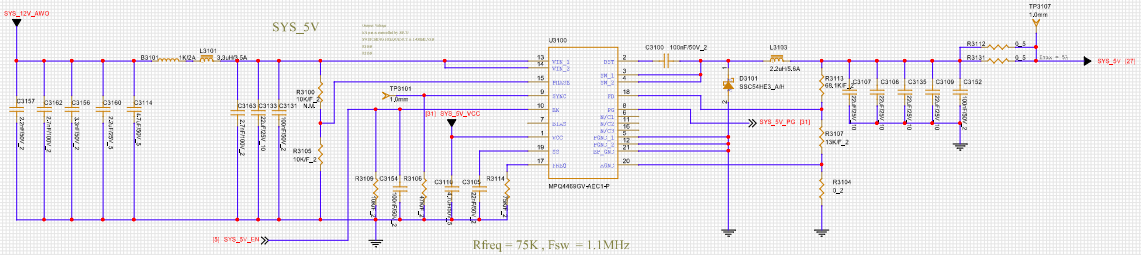

TP2901
1.0mm
TP2902
1.0mm
CAN0_H [29]
CAN0_L [29]
R2900 0_3
N.M.
L2900
2.8K/0.2A
R2906 0_3
N.M.
R2902 60.4/F_6
R2903 60.4/F_6
C2900 100pF/50V_2
C2901 100pF/50V_2
D2900
PESD2CANFD24VT-TR
C2902 4.7nF/100V_5
[29,30,31] SYS_12V_AWO
R2909 10K/F_2
Q2901
PBSS4140T-QR
TP2900
1.0mm
R2911 10K/F_2
R2912 47K/F_2
R2910 4.7K/F_2
U2900
TJA1145ATK/FD/0Z
[5] CAN0_TXD
[5] CAN0_RXD
[5,29] SPI_SCK_H3_CAN1
[5,29] SPI_MISO_H3_CAN1
[5,29] SPI_MOSI_H3_CAN1
[5] SPI_CS1_H3_CAN1
SYS_5V_CAN [29,31]
SYS_3V3_AWO [1,11,12,18,29,31,33,55]
SYS_12V_AWO [29,30,31]
C2911 100nF/50V_2
C2912 10uF/50V_6
C2909 1uF/10V_2
C2910 100nF/50V_2
TP2906
1.5mm
C2907 4.7uF/50V_5
C2908 100nF/50V_2
J2901
G1
G2
182-009-213R561
[29] CAN1_H
[29] CAN0_H
[29] CAN0_L
[29] CAN1_L
R2901 10K/F_2
CAN0_INH_N [5]
R2907 10K/F_2
Q2900
PBSS4140T-QR
C2903 10nF/50V_2
R2908 47K/F_2
与车厂确认子节点还是主节点
TP2903
1.0mm
TP2905
1.0mm
CAN1_H [29]
CAN1_L [29]
R2935 0_3
N.M.
L2902
2.8K/0.2A
R2936 0_3
N.M.
R2937 60.4/F_6
R2938 60.4/F_6
C2921 100pF/50V_2
C2922 100pF/50V_2
D2902
PESD2CANFD24VT-TR
C2923 4.7nF/100V_5
[29,30,31] SYS_12V_AWO
R2942 10K/F_2
Q2903
PBSS4140T-QR
TP2904
1.0mm
R2904 10K/F_2
R2905 47K/F_2
R2940 4.7K/F_2
U2902
TJA1145ATK/FD/0Z
[5] CAN1_TXD
[5] CAN1_RXD
[5,29] SPI_SCK_H3_CAN1
[5,29] SPI_MISO_H3_CAN1
[5,29] SPI_MOSI_H3_CAN1
[5] SPI_CS2_H3_CAN1
SYS_5V_CAN [29,31]
SYS_3V3_AWO [1,11,12,18,29,31,33,55]
SYS_12V_AWO [29,30,31]
C2916 100nF/50V_2
C2917 10uF/50V_6
C2905 1uF/10V_2
C2904 100nF/50V_2
TP2907
1.5mm
C2906 4.7uF/50V_5
C2918 100nF/50V_2
[1,11,12,18,29,31,33,55] SYS_3V3_AWO
R2949 10K/F_2
CAN1_INH_N [5]
R2945 10K/F_2
Q2905
PBSS4140T-QR
C2920 10nF/50V_2
R2948 47K/F_2


TP3007
2.0mm
TP3001
2.0mm
[30,33] B+
Imax = 15A
C3001
1nF/50V_3
C3002
47pF/50V_2
C3004
220nF/50V_3
C3008
1nF/50V_3
C3009
47pF/50V_3
C3017
220nF/50V_3
L型布局
TP3008
2.0mm
TP3009
2.0mm
TP3010
2.0mm
TP3011
2.0mm
TP3004
2.0mm
TP3005
2.0mm
TP3006
2.0mm
Q3001
PJD50P04-AU_L2_000A1
D3001
LUDZS18BT1G
R3001
33K/F_2
L3001
200uH
TP3002
2.0mm
C5421
1nF/50V_3
C3005
47pF/50V_3
C3007
220nF/50V_3
C3003
330uF/25V
C3006
1nF/50V_3
C3010
47pF/50V_3
C3018
220nF/50V_3
[16,30] SYS_12V_AMP
[31] SYS_12V_LDO
[29,31] SYS_12V_AWO
D3002
SSC54HE3_A/H
D3004
SSC54HE3_A/H
C3019
470uF/25V
C3020
1000uF/25V
[16,30] SYS_12V_AMP
B3001
1K/2A L3002
3.3uH/3.5A
C3026
2.2nF/50V_2
C3028
2.7nF/100V_2
C3025
3.3nF/50V_2
C3027
2.2uF/25V_5
C3022
4.7uF/50V_5
C3029
2.7nF/100V_2
C3023
220uF/25V_10
C3012
100nF/50V_2
R3014
10K/F_2
C3013
100nF/50V_2
D3003
LUDZS18BT1G
Q3005
BSZ120P03NS3G
TP3003
1.0mm
SYS_12V [25,30]
C3014
10uF/50V_6
C3015
100nF/50V_2
R3015
4.7K/F_2
[5] SYS_12V_EN
R3016
10K/F_2
Q3006
PBSS4140T-QR
R3017
47K/F_2
C3016
10nF/50V_2
Vadc = Vin * (R3012+R3013) / (R3010+R3011+R3012+R3013)
[30,33] B+
R3010
470K/F_2
R3011
100K/F_2
R3012
44.2K/F_2
R3013
44.2K/F_2
C3011
100nF/50V_2
MCU_VBAT_MON [1]
Vadc = Vin * (R3004+R3005) / (R3002+R3003+R3004+R3005)
[25,30] SYS_12V
R3002
470K/F_2
R3003
100K/F_2
R3004
44.2K/F_2
R3005
44.2K/F_2
C3021
100nF/50V_2
GMSL_12V_ADC [1]
[31,49] SIP_3V3
R3008
100K/F_2
Vadc = Vin * R3008 / (R3008+R3009)
R3009
470K/F_2
C3024
100nF/50V_2
SIP_3V3_ADC [1]

SYS_5V_AWO

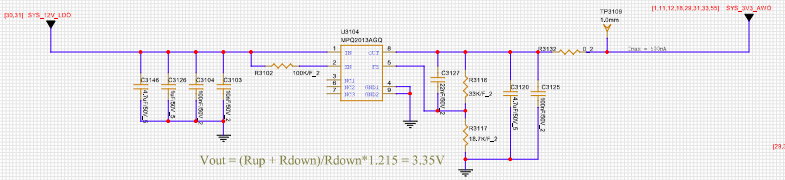


SYS_5V

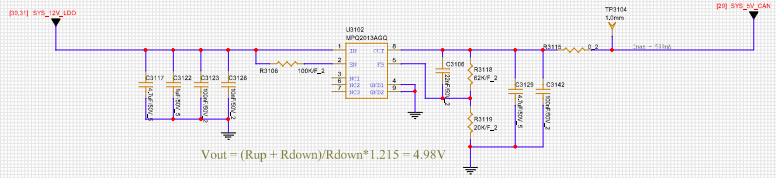


Rfreq = 75K , Fsw = 1.1MHz

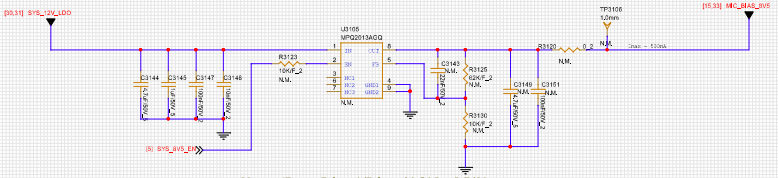
Vout = (Rup + Rdown)/Rdown*0.8 = 5.244V



Vout = (Rup + Rdown)/Rdown*1.215 = 3.35V

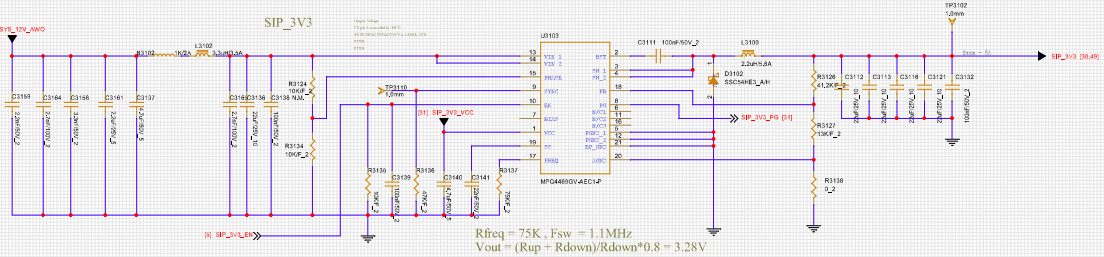


Vout = (Rup + Rdown)/Rdown*1.215 = 4.98V



Vout = (Rup + Rdown)/Rdown*1.215 = 8.74V

SIP_3V3



Rfreq = 75K , Fsw = 1.1MHz

Vout = (Rup + Rdown)/Rdown*0.8 = 3.28V