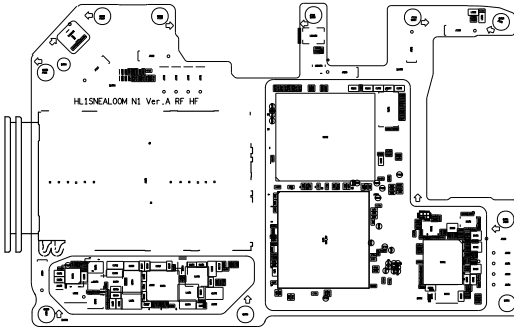




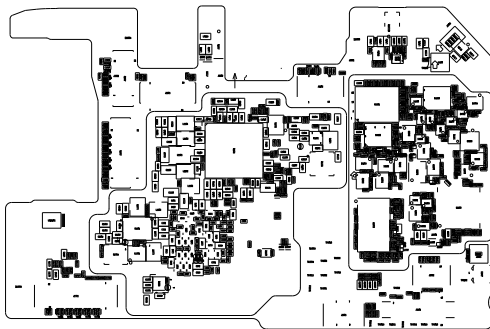
*Phone Repair*  
Ali Mohamed Alihajar  
967771617516



HL1SNEAL00MN1 Ver.A SILKSCREEN TOP



*Phone Repair*  
Ali Muhammad alhajar  
9677707810



HL1SNEAL00MN1 Ver.A SILKSCREEN BOTTOM



# Baseband Schematic

1. Contents
2. Block Diagramm
3. SOC PWR1
4. SOC PWR2
5. SOC PWR3
6. SOC HS Interface
7. SOC GPIO Interface
8. SOC RF Interface
9. SOC GND
10. PMU LDO
11. PMU BUCK & HI6422-1
12. PMU MISC & BUCKBOOST
13. HI6422-2
14. UFS and LPDDR
15. Battery & Fuel guage
16. USB/Scharger V300/Switch
17. LCD Interface
18. Reserved
19. Flash LED
20. Camera Interface
21. ISP Reserved
22. Codec HI6403
23. Audio/SPK/VIB
24. Headphone
25. Audio
26. X-Sensor1
27. X-Sensor2
28. SIM/uSD Card
29. FPC Interface
30. Test Point/Shielding

# MODEM Schematic



31. RF Interface
32. RF PMU
33. RF Transceiver
34. RF FRONT END HB
35. RF FRONT END B42
36. RF FRONT END MB
37. RF Front End LB
38. RF Front End Switch /Main ANT
39. RF Front End Diversity
40. RF Front End Diversity
41. Reserved for CDMA Modem
42. Reserved for CDMA Modem
43. Reserved for CDMA Modem
44. Reserved for CDMA Modem
45. Reserved for CDMA Modem
46. Reserved for CDMA Modem
47. Reserved for CDMA Modem
48. Reserved for CDMA Modem
49. RESERVED
50. RESERVED
51. RF Front End M1
52. Hi1102 POWER
53. Hi1102 Interface
54. Hi1102\_RF\_FrontEnd\_2G
55. Hi1102\_RF\_FrontEnd\_5GHz
56. RF\_FRONT\_END\_Diversity\_M1
57. NFC
58. RF Transceiver2
59. RFIC2 PA+PMU
60. ANT Tuner

The type and specification of the components refer to the BOM

|          |        |        |             |                      |            |
|----------|--------|--------|-------------|----------------------|------------|
|          |        |        |             |                      |            |
|          |        |        |             | ECA NO               | 2018-07-01 |
|          |        |        |             | DATE                 |            |
| DESIGNED | HUAWEI | NOVA3I |             |                      |            |
| REVIEWED | HUAWEI |        |             |                      |            |
|          |        | VER    | PART_NUMBER | SHEET                | 1 of 31    |
|          |        | A      | 03011RWN    | HUAWEI TECH CO.,LTD. |            |

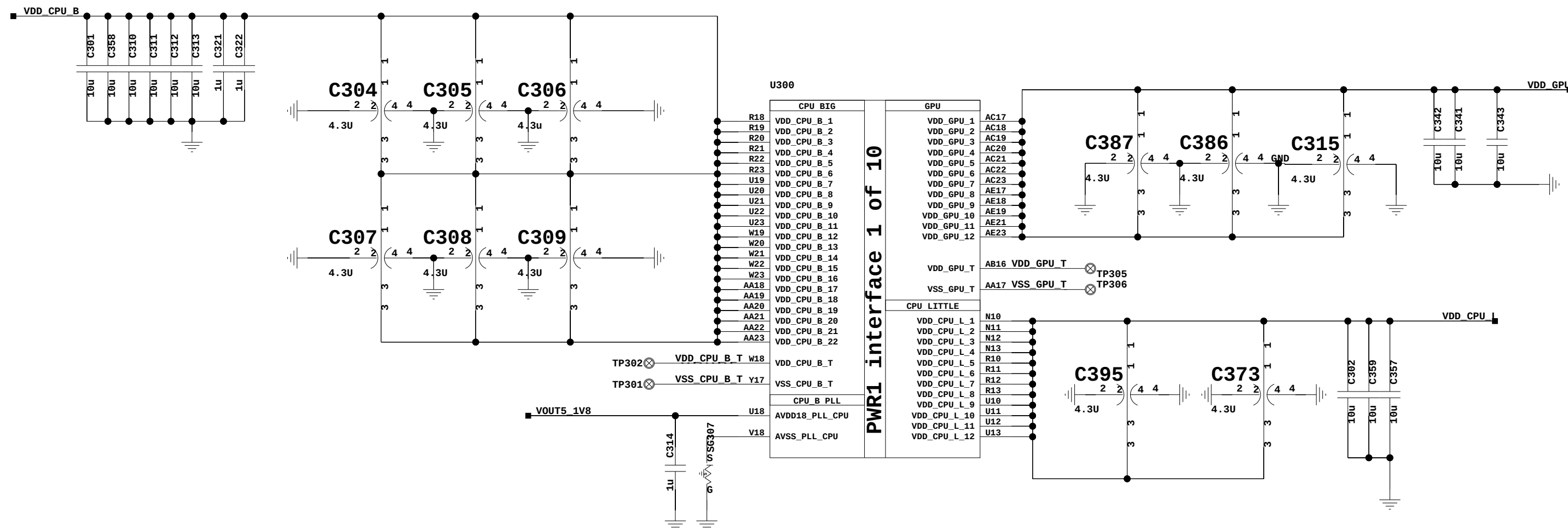
2.RES



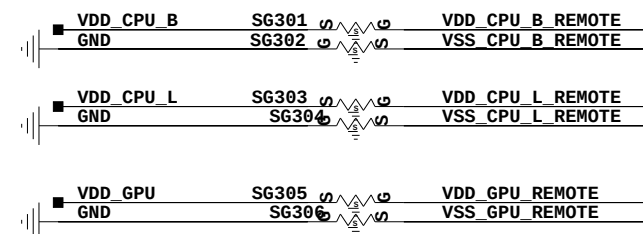
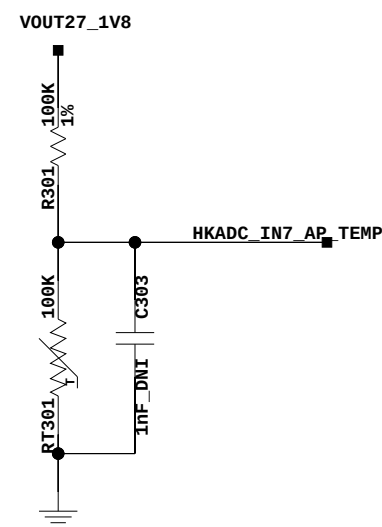
The type and specification of the components refer to the BOM

|          |  |        |             |                      |                  |
|----------|--|--------|-------------|----------------------|------------------|
|          |  |        |             |                      | 18-01-2018_11:48 |
|          |  |        |             |                      |                  |
|          |  |        |             | ECA NO               | DATE             |
| DESIGNED |  | NOVA3I |             | 2 RES                |                  |
| REVIEWED |  |        |             |                      |                  |
|          |  | VER    | PART_NUMBER | SHEET                | OF 71            |
|          |  |        |             | HUAWEI TECH CO.,LTD. |                  |
|          |  |        |             |                      |                  |

### 3.SOC PWR1



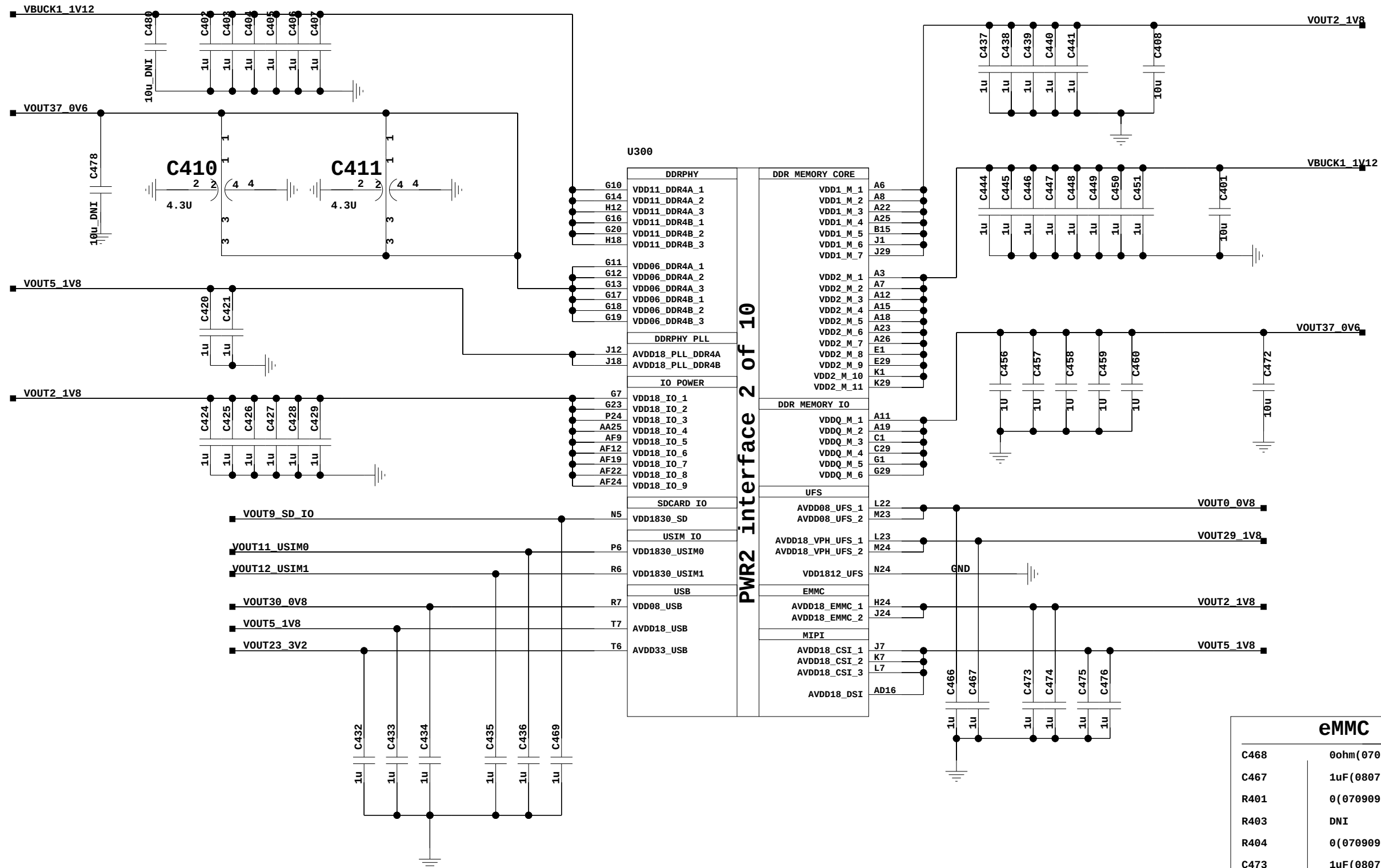
### AP Temperature DET



The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             |                      |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 3_SOC PWR1           |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |

## 4.SOC PWR2



PWR2 interface 2 of 10

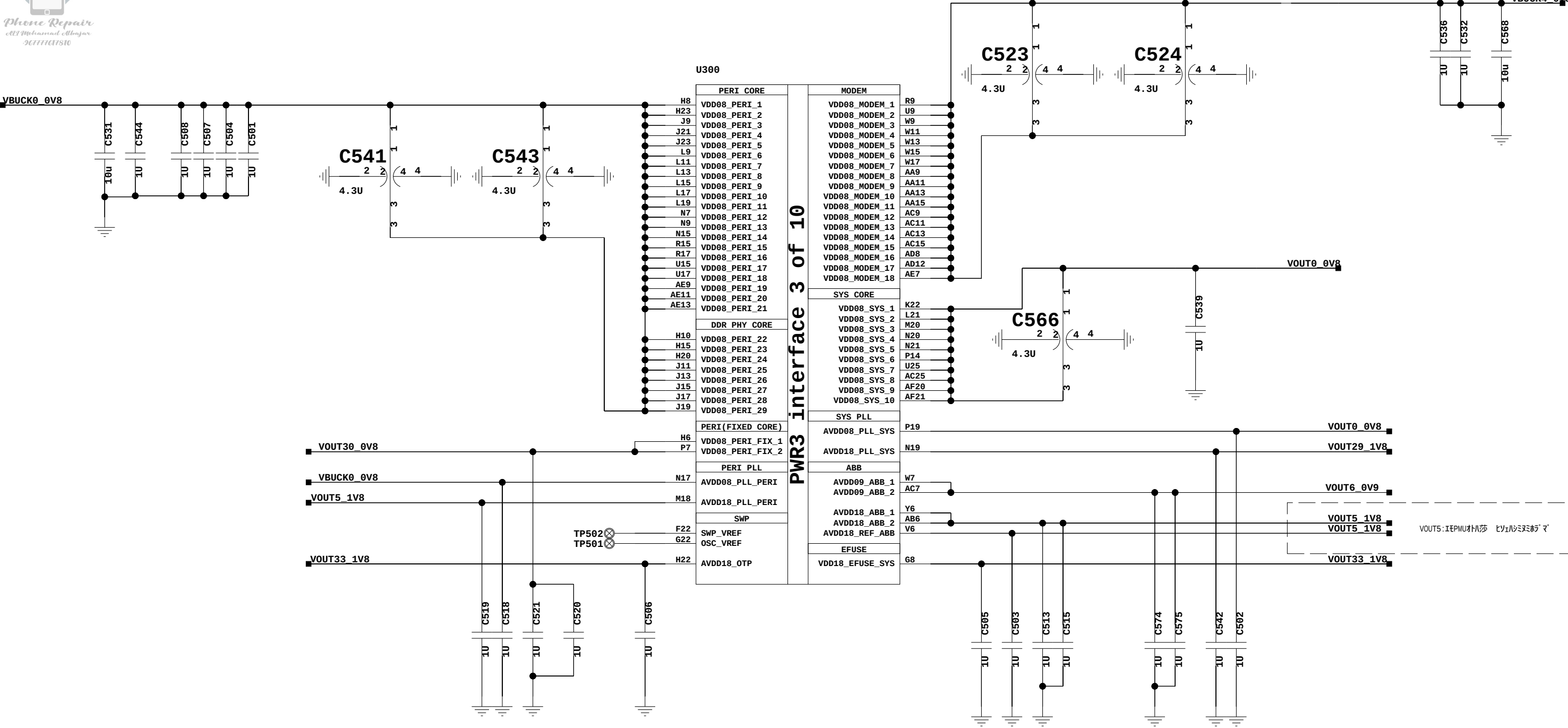
### eMMC Mode UFS Mode

|      |                |               |
|------|----------------|---------------|
| C468 | 0ohm(07090911) | 1uF(08071128) |
| C467 | 1uF(08071128)  | 1uF(08071128) |
| R401 | 0(07090911)    | 0(07090911)   |
| R403 | DNI            | 0(07090911)   |
| R404 | 0(07090911)    | DNI           |
| C473 | 1uF(08071128)  | 0(07090911)   |
| C474 | 1uF(08071128)  | DNI           |

The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             | NA                   |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 4_SOC PWR2           |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |

5.SOC PWR3



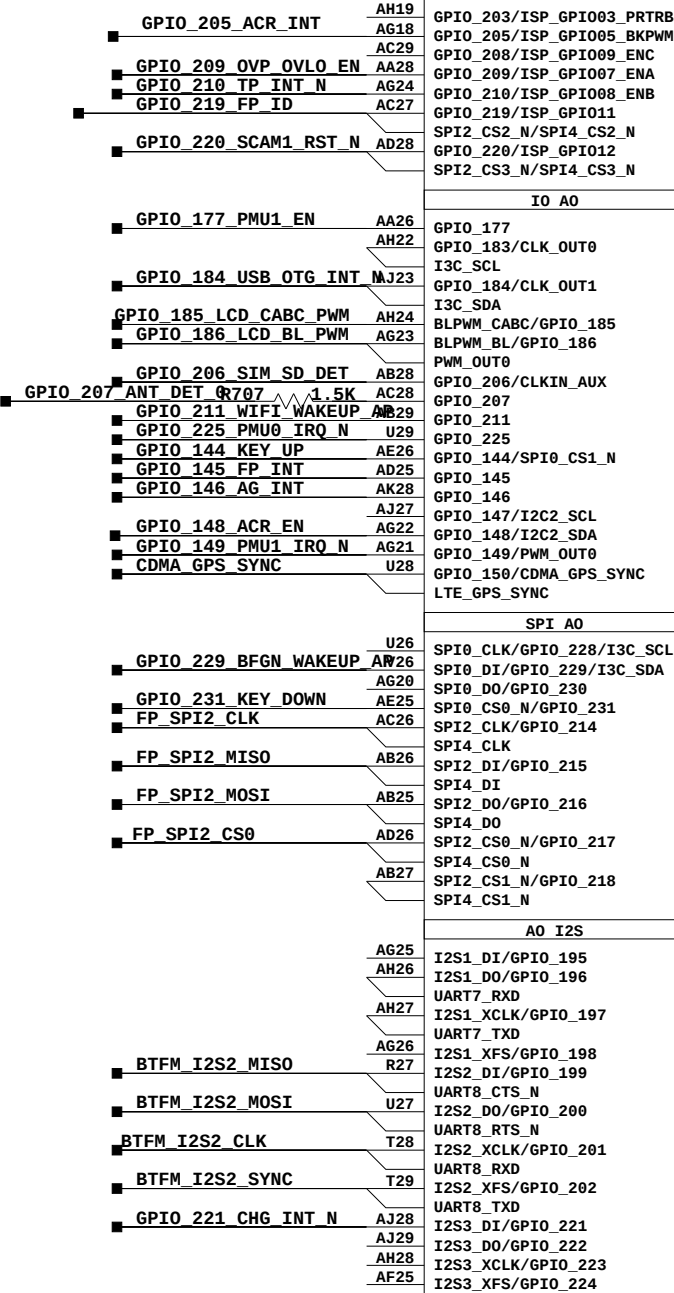
|                                                               |                   |        |             |                      |       |
|---------------------------------------------------------------|-------------------|--------|-------------|----------------------|-------|
| The type and specification of the components refer to the BOM |                   |        |             |                      |       |
|                                                               |                   |        |             | ECA NO               | DATE  |
| DESIGNED                                                      | ZHANGWEI 00267965 | NOVA3I |             | 5_SOC PWR3           |       |
| REVIEWED                                                      | HUAWEI            |        |             |                      |       |
|                                                               |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|                                                               |                   | A      |             | HUAWEI TECH CO.,LTD. |       |



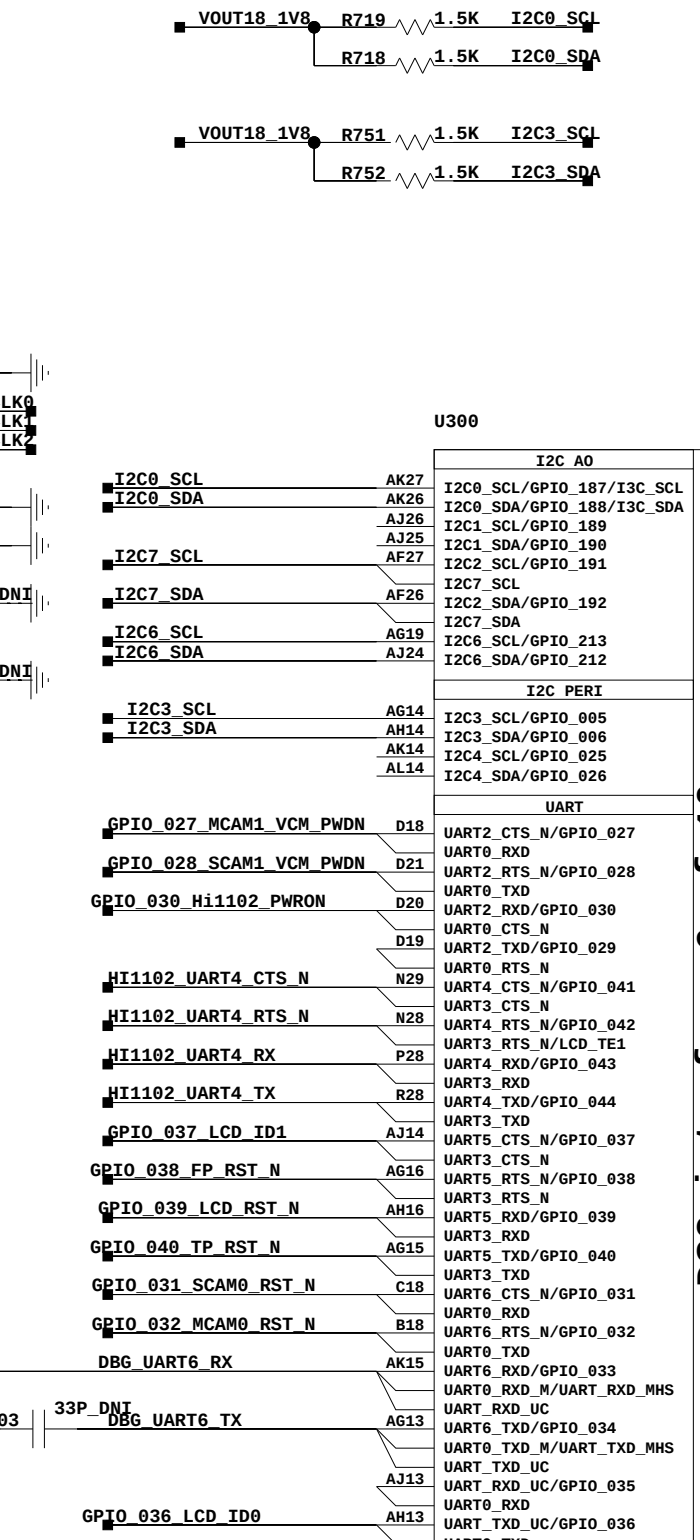
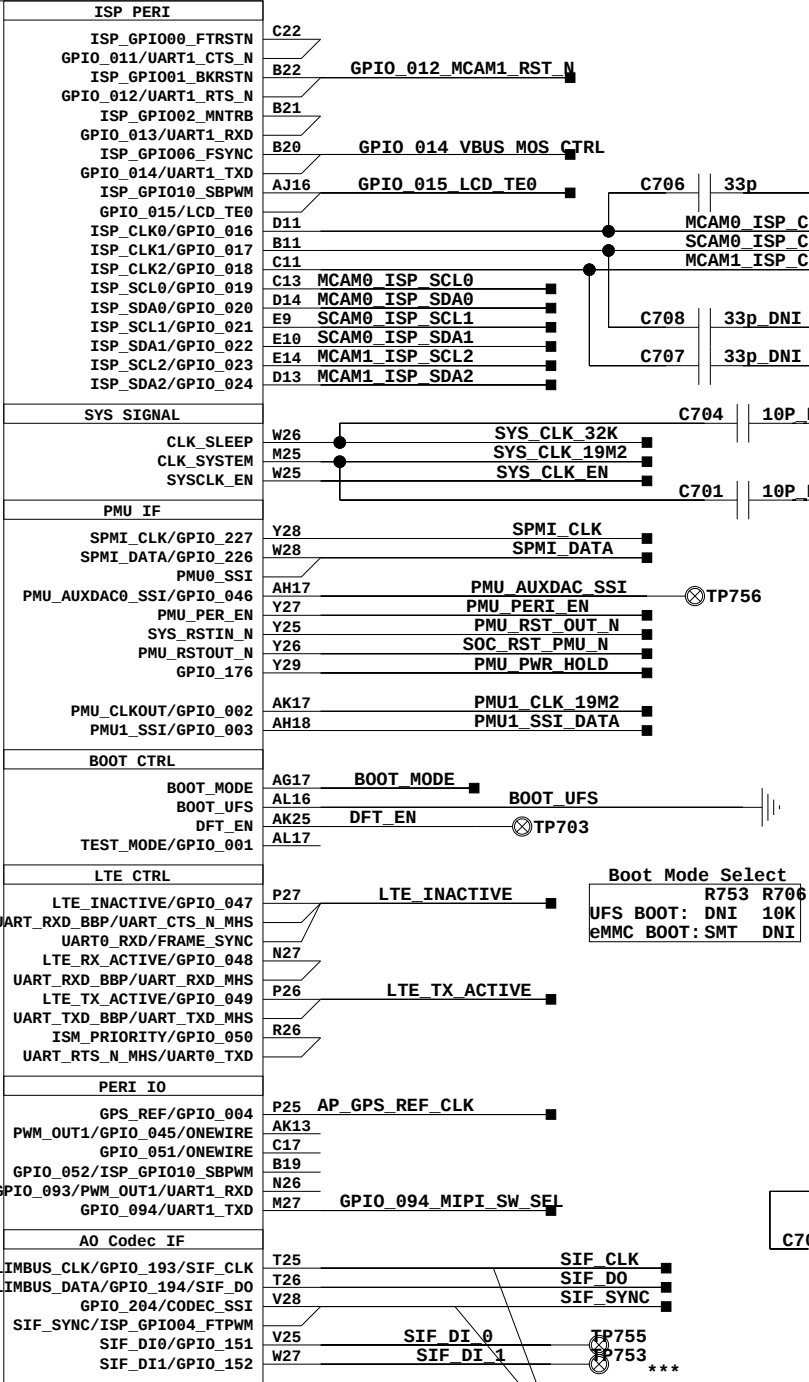
7.SOC GPIO INTERFACE1



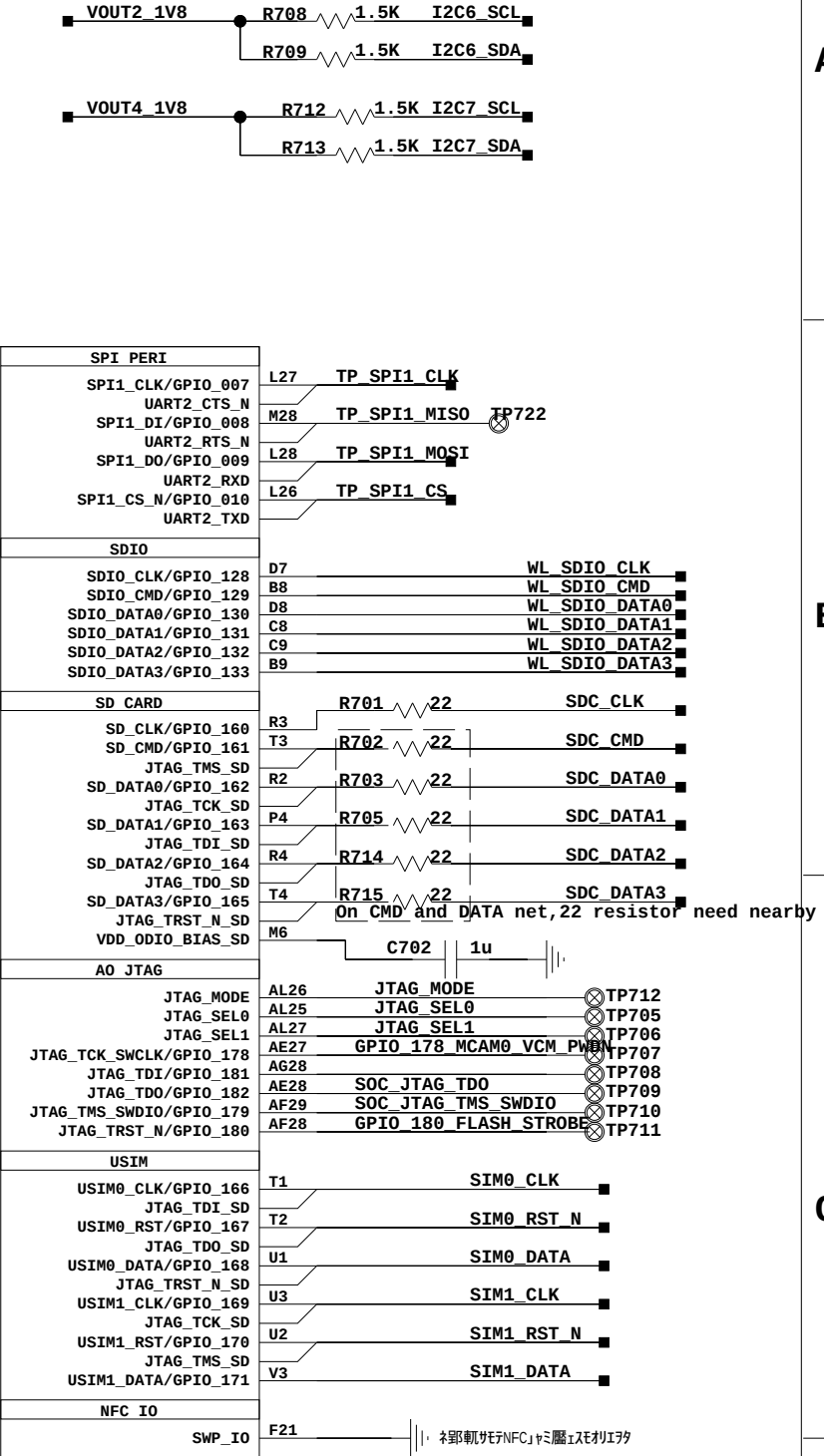
Phone Repair  
All Muhammad Almajid  
9611111111



DS1 interface 5 of 10



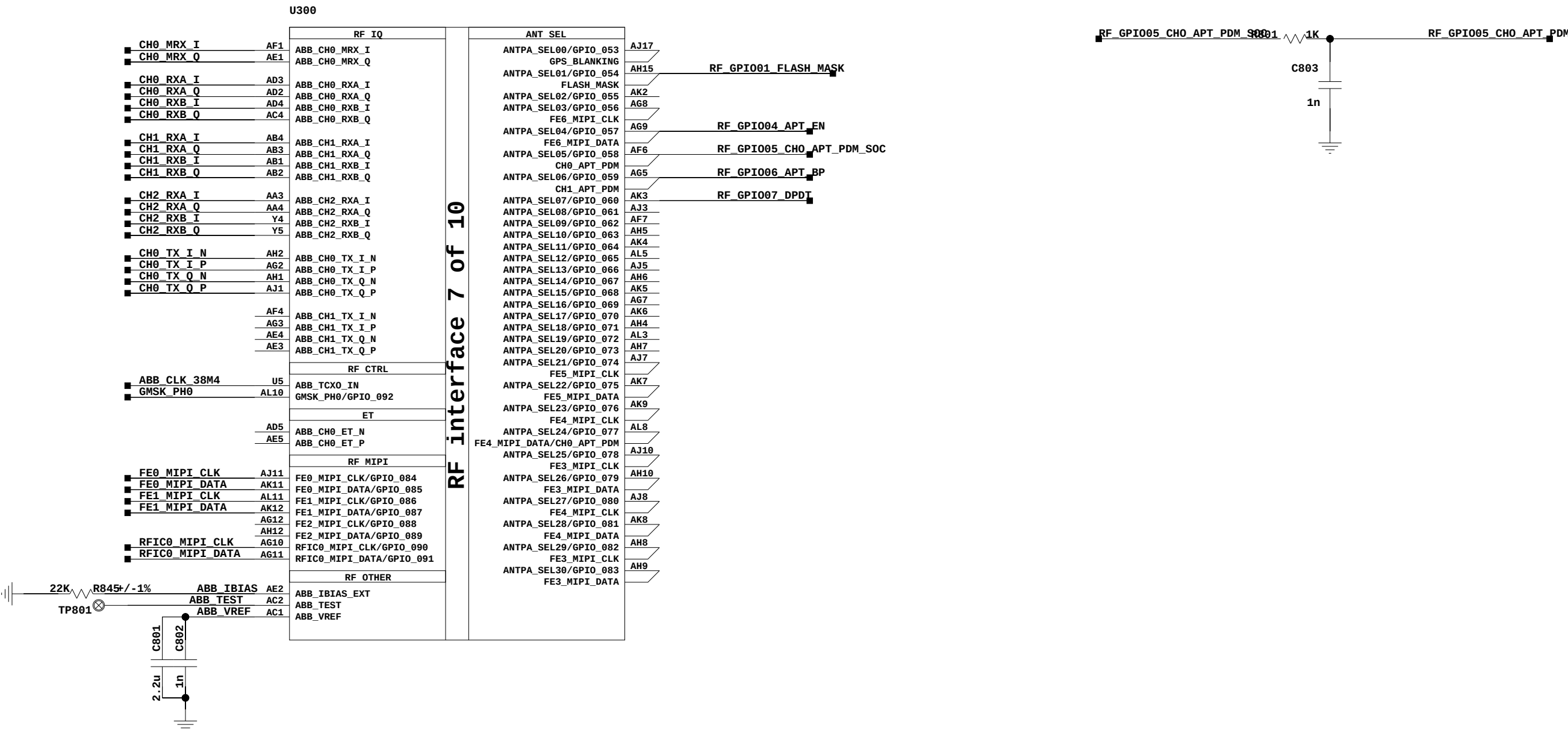
DS2 interface 6 of 10



The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             | NA                   |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 7_SOC GPIO Interface |       |
| REVIEWED | HUAWEI            | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      | 03024XXX    | HUAWEI TECH CO.,LTD. |       |

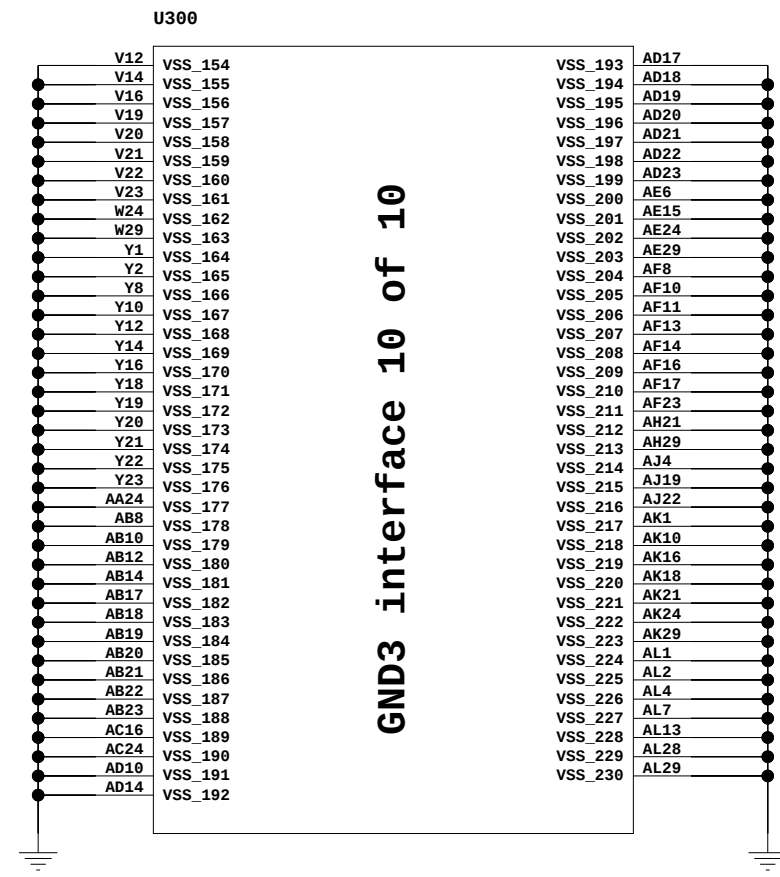
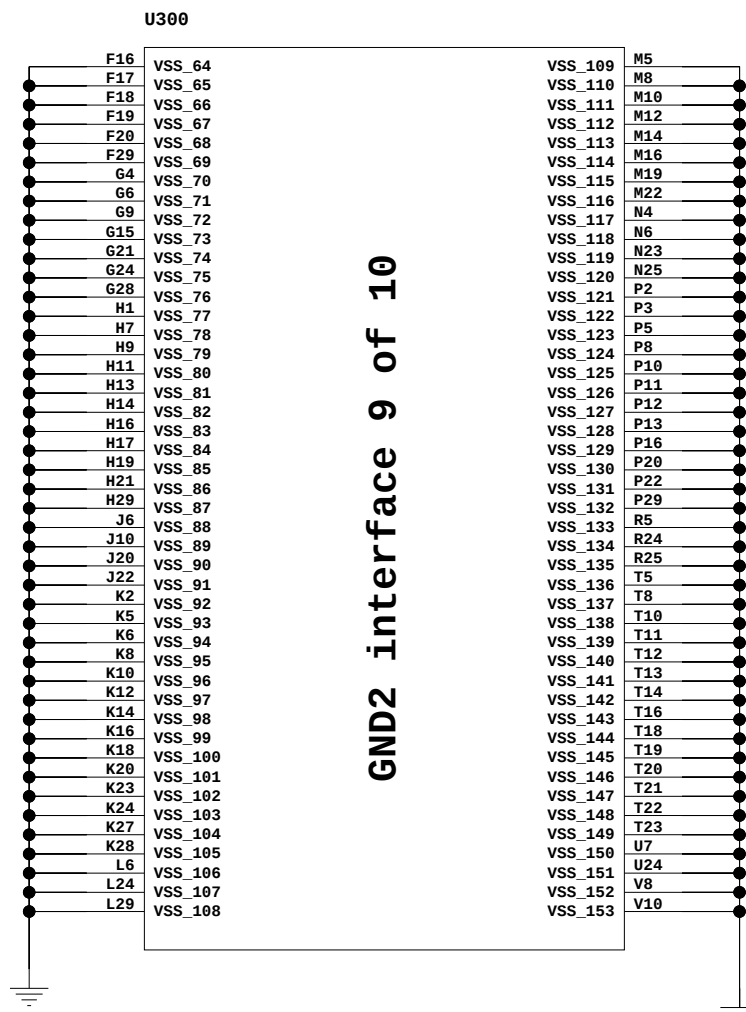
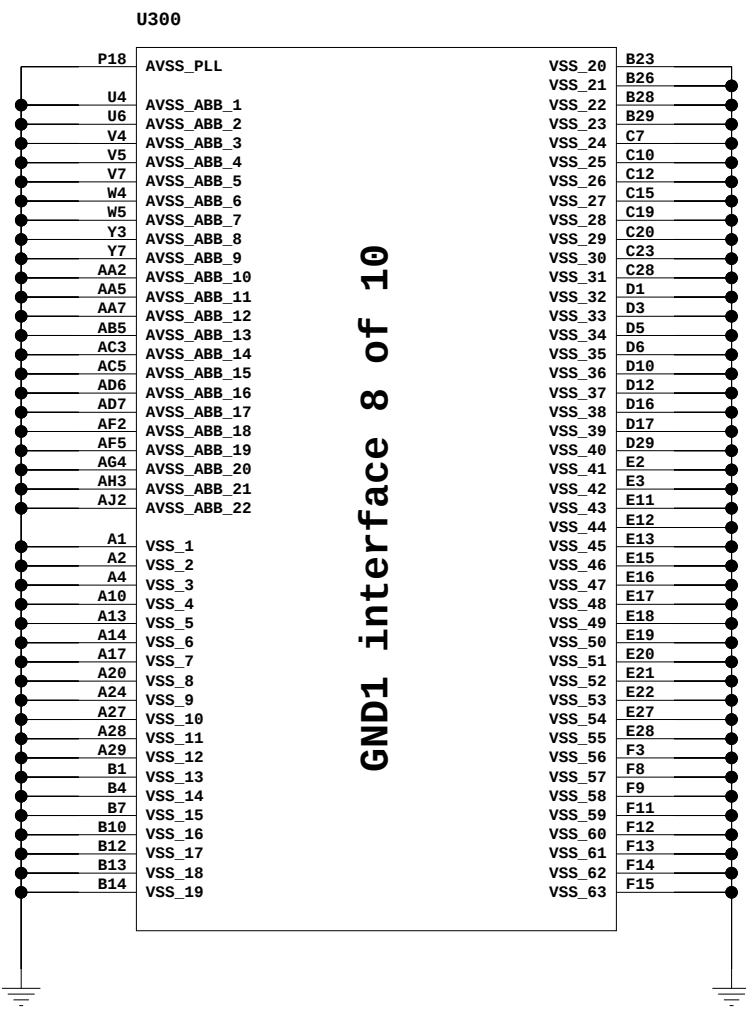
8.SOC RF INTERFACE



The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             | NA                   |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 8_SOC RF Interface   |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |

9.SOC GND



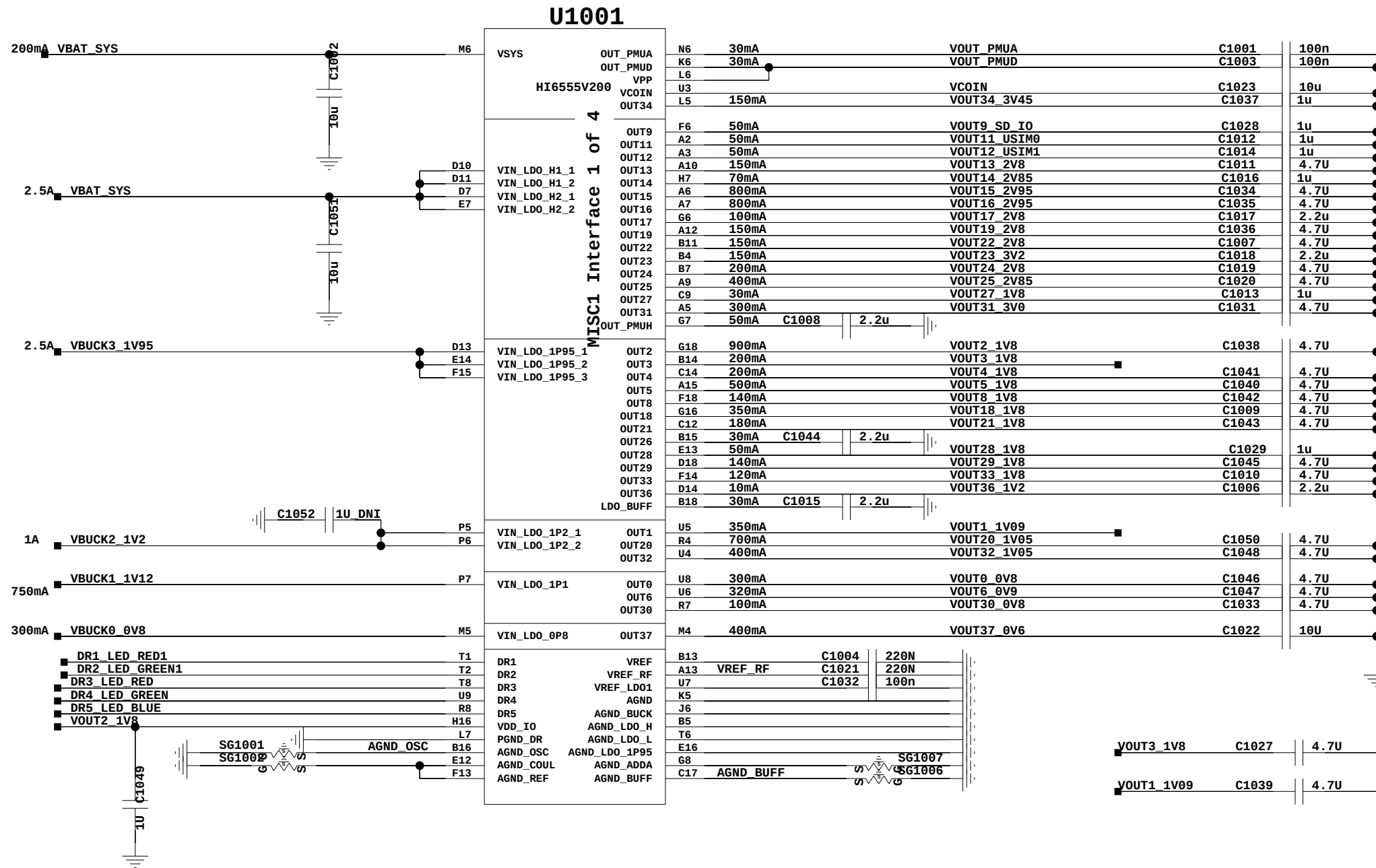
The type and specification of the components refer to the BOM

|          |                   |        |             |                      |             |
|----------|-------------------|--------|-------------|----------------------|-------------|
|          |                   |        |             | NA                   |             |
|          |                   |        |             | ECA NO               | DATE        |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             |                      |             |
| REVIEWED | ZHANGWEI 00267965 |        |             |                      |             |
|          |                   | VER    | PART_NUMBER | SHEET                | 9_S000END71 |
|          |                   | A      | 03030001    | HUAWEI TECH CO.,LTD. |             |

# 10. PMU LDO



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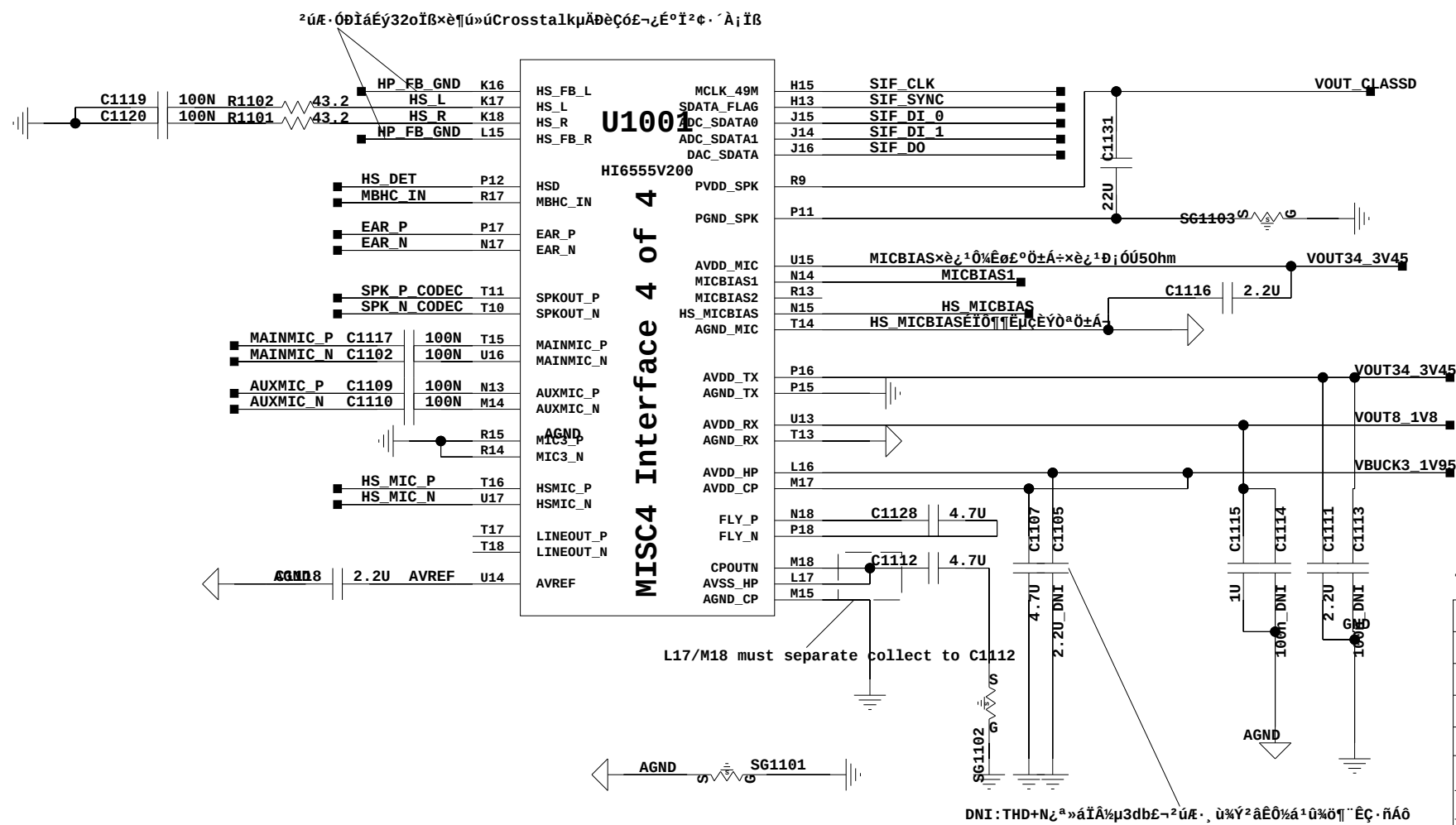
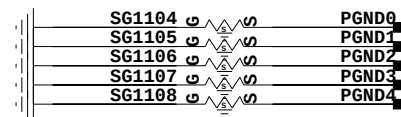
| Output | default | current | TYP      | voltage                                    | function        |
|--------|---------|---------|----------|--------------------------------------------|-----------------|
| LD01   | OFF     | 350     | 1.09     | RFIC0 AVDD                                 |                 |
| LD02   | ON      | 900     | 1.8      | PMU diq/RFIC/SOC1V8I0/LPDDR4X              | VDD/UFS VCCQ2/S |
| LD03   | OFF     | 200     | 1.8      | RFIC0 AVDD2                                |                 |
| LD04   | OFF     | 200     | 1.8      | LCD1V8 IO/TP1V8 IO                         |                 |
| LD05   | ON      | 500     | 1.8      | PHY ANA/ABB AVDD1V8                        |                 |
|        |         |         |          |                                            |                 |
| LD08   | OFF     | 140     | 1.8      | 6403ANALOG/CLASSD1V8                       |                 |
| LD09   | OFF     | 50      | 1.8/2.95 | SD IO                                      |                 |
|        |         |         |          |                                            |                 |
| LD011  | OFF     | 50      | 1.8      | SIM0                                       |                 |
| LD012  | OFF     | 50      | 1.8      | SIM1                                       |                 |
| LD013  | OFF     | 150     | 2.85     | S camera analog                            |                 |
| LD014  | OFF     | 70      | 2.85     | RF FEM/AUXDAC                              |                 |
| LD015  | ON      | 800     | 2.95     | EMMC/UFS VDD                               |                 |
| LD016  | OFF     | 800     | 2.95     | SD card                                    |                 |
| LD017  | OFF     | 100     | 2.8      | LCD TP VCI                                 |                 |
| LD018  | ON      | 350     | 1.8      | fp/SENSOR IO FP AVDD/CON IO/NFC IO/64031V8 |                 |
| LD019  | OFF     | 150     | 2.8      | M camera anlog                             |                 |
| LD020  | OFF     | 700     | 1.11     | M Camera Core                              |                 |
| LD021  | OFF     | 180     | 1.8      | Camera io                                  |                 |
| LD022  | OFF     | 150     | 2.8      | Back Camera Analog                         |                 |
| LD023  | ON      | 150     | 3.2      | HKADC                                      |                 |
| LD024  | ON      | 200     | 2.8      | X Sensor AVDD                              |                 |
| LD025  | OFF     | 400     | 2.85     | Camera VCM                                 |                 |
| LD026  | ON      | 30      | 1.35     | 38.4 AVDD                                  |                 |
| LD027  | ON      | 50      | 1.8      | HKADC                                      |                 |
| LD028  | OFF     | 50      | 1.8      | RF MIPI I/O                                |                 |
| LD029  | ON      | 140     | 1.8      | UFS PHY/SYS CLK BUF                        |                 |
| LD030  |         |         |          |                                            |                 |
| LD031  | OFF     | 300     | 2.8      | Vibrator                                   |                 |
| LD032  | OFF     | 400     | 1.11     | S Camera Core                              |                 |
| LD033  | OFF     | 120     | 1.8      | EFUSE                                      |                 |
| LD034  | ON      | 150     | 3.45     | CODEC RCV/MICBIAS                          |                 |

PMU八莎 我へ入 扫行才·才羞!

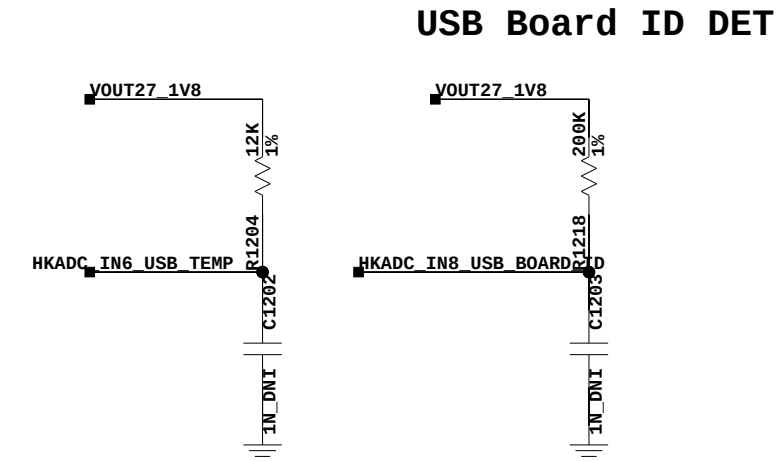
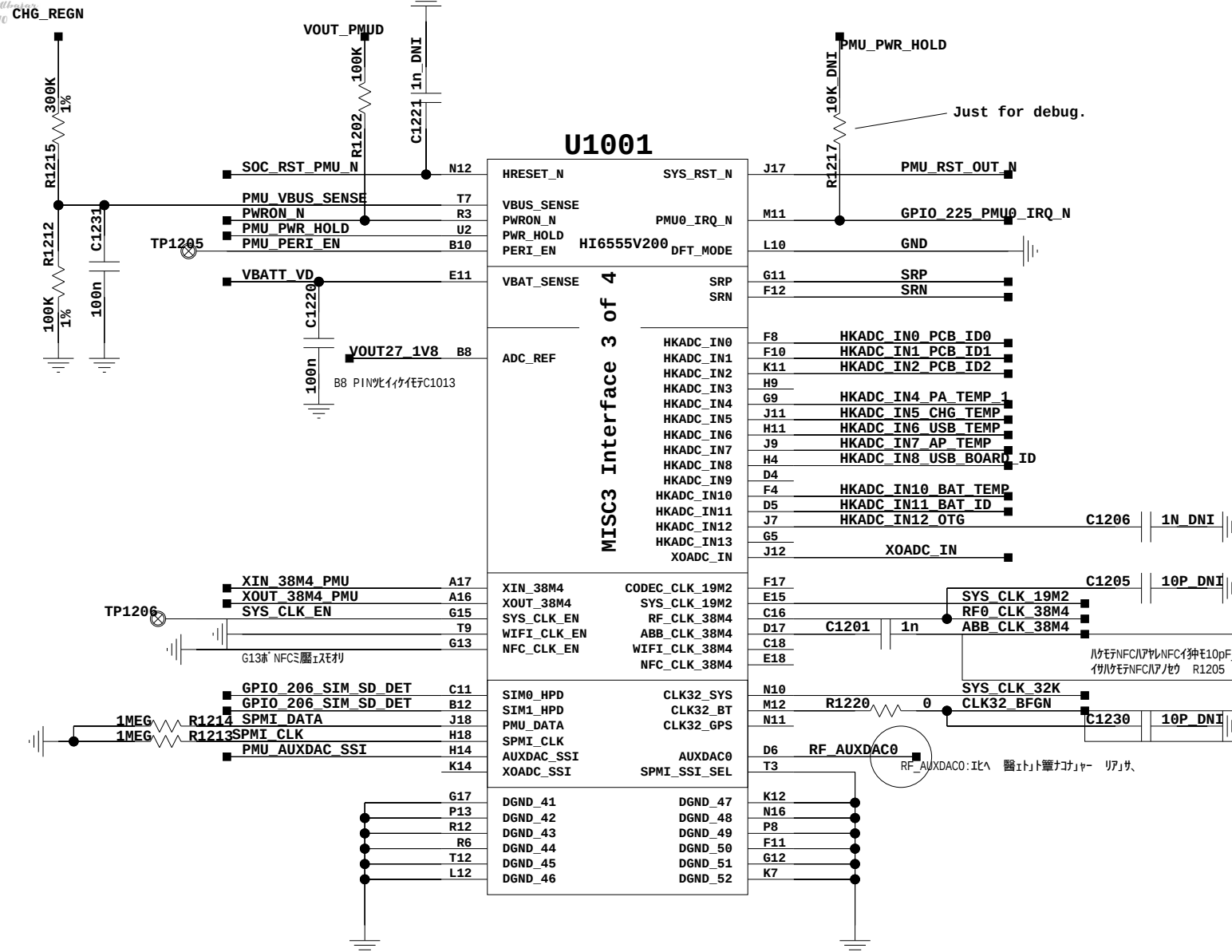
The type and specification of the components refer to the BOM

|          |                   |                 |             |                      |            |
|----------|-------------------|-----------------|-------------|----------------------|------------|
|          |                   |                 |             | NA                   | 2017/12/05 |
|          |                   |                 |             | ECA NO               | DATE       |
| DESIGNED | wangfeng 00358534 | MiamiC20_Module |             | 00001234             |            |
|          |                   |                 |             |                      |            |
| REVIEWED | lvluzhen 00346892 |                 |             |                      |            |
|          |                   | VER             | PART_NUMBER | SHEET 10_P10F LD01   |            |
|          |                   | A               | 03030001    | HUAWEI TECH CO.,LTD. |            |

**HUAWEI TECH CO.,LTD.**



|          |                   |                 |             |                      |            |
|----------|-------------------|-----------------|-------------|----------------------|------------|
|          |                   |                 |             |                      |            |
|          |                   |                 |             | NA                   | 2017/12/05 |
|          |                   |                 |             | ECA NO               | DATE       |
| DESIGNED | wangfeng 00358534 | MiamiC20_Module |             | 00001234             |            |
|          |                   |                 |             |                      |            |
| REVIEWED | lvluzhen 00346892 |                 |             |                      |            |
|          |                   | VER             | PART_NUMBER | SHEET                | 11_P001    |
|          |                   |                 |             | BUCK CODEC           |            |
|          |                   | A               | 03030001    | HUAWEI TECH CO.,LTD. |            |

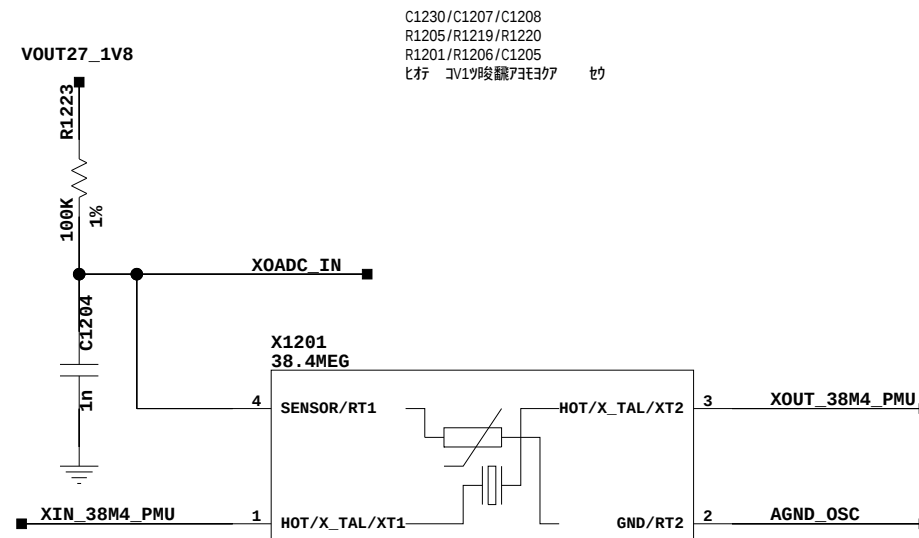


The schematic diagram illustrates the HKADC module's internal structure. It features three input channels, HKADC\_IN0\_PCB\_ID0, HKADC\_IN1\_PCB\_ID1, and HKADC\_IN2\_PCB\_ID2, which are connected to a common output node labeled VOUT27\_1V8. The output node is also labeled with the numbers 4 and 1. The circuit includes several resistors: R1203 (150K, 1%), R1209 (22K, 1%), R1207 (150K, 1%), R1211 (150K, 1%), R1210 (0, 1%), and R1208 (10K, 1%). The resistors R1203, R1209, and R1207 are connected to the input channels, while R1211, R1210, and R1208 are connected to the output node. The resistors R1203, R1209, and R1207 are also connected to a common ground point, indicated by a ground symbol at the bottom of the diagram.

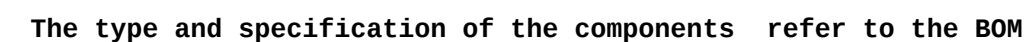
|            |                       |
|------------|-----------------------|
| HKADC IN0  | APU Board ID0(RF USE) |
| HKADC IN1  | APU Board ID1         |
| HKADC IN2  | APU Board ID2         |
| HKADC IN3  | RESERVED              |
| HKADC IN4  | PA TEMP DET0          |
| HKADC IN5  | Charge TEMP           |
| HKADC IN6  | USB TEMP ADC          |
| HKADC IN7  | AP TEMP               |
| HKADC IN8  | USB BOARD ID          |
| HKADC IN9  | RESERVED              |
| HKADC IN10 | BATT TEMP             |
| HKADC IN11 | BATT ID               |
| HKADC IN12 | RESERVED              |
| HKADC IN13 | RESERVED              |

| ID | UP RES | DOWN RES |
|----|--------|----------|
| 0  | NC     | 0K       |
| 1  | 150K   | 22K      |
| 2  | 100K   | 30K      |
| 3  | 200K   | 100K     |
| 4  | 150K   | 121K     |
| 5  | 121K   | 150K     |
| 6  | 51K    | 100K     |
| 7  | 30K    | 100K     |
| 8  | 20K    | 150K     |
| 9  | 150K   | NC       |

|      |          |
|------|----------|
| 00K  | 07090911 |
| 20K  | 07092448 |
| 22K  | 07091172 |
| 30K  | 07091299 |
| 51K  | 07091302 |
| 100K | 07091246 |
| 121K | 07091176 |
| 150K | 07092138 |
| 200K | 07091406 |



|          |                   |                 |             |                      |            |
|----------|-------------------|-----------------|-------------|----------------------|------------|
|          |                   |                 |             |                      |            |
|          |                   |                 |             |                      | 2017/12/05 |
|          |                   |                 |             | ECA NO               | DATE       |
| DESIGNED | wangfeng 00358534 | MiamiC20_Module |             | 12_PMU Digital       |            |
|          |                   |                 |             |                      |            |
| REVIEWED | lvluzhen 00346892 |                 |             |                      |            |
|          |                   | VER             | PART_NUMBER | SHEET                | OF 21      |
|          |                   | A               |             | HUAWEI TECH CO.,LTD. |            |
|          |                   |                 |             |                      |            |



|          |                   |                 |             |                      |             |
|----------|-------------------|-----------------|-------------|----------------------|-------------|
|          |                   |                 |             | NA                   | 2017/12/05  |
|          |                   |                 |             | ECA NO               | DATE        |
| DESIGNED | wangfeng 00358534 | MiamiC20_Module |             | 00001234             |             |
|          |                   |                 |             |                      |             |
| REVIEWED | lvluzhen 00346892 |                 |             |                      |             |
|          |                   | VER             | PART_NUMBER | SHEET                | 13_HDC42221 |
|          |                   | A               | 03030001    | HUAWEI TECH CO.,LTD. |             |
|          |                   |                 |             |                      |             |

# 14.eMMC DDR

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|     |      |       |     |
|-----|------|-------|-----|
| A1  | NC1  | NC55  | H2  |
| A2  | NC2  | NC56  | H3  |
| A8  | NC3  | NC57  | H12 |
| A9  | NC4  | NC58  | H13 |
| A10 | NC5  | NC59  | H14 |
| A11 | NC6  | NC60  | J1  |
| A12 | NC7  | NC61  | J2  |
| A13 | NC8  | NC62  | J3  |
| A14 | NC9  | NC63  | J12 |
| B1  | NC10 | NC64  | J13 |
| B7  | NC11 | NC65  | J14 |
| B8  | NC12 | NC66  | K1  |
| B9  | NC13 | NC67  | K2  |
| B10 | NC14 | NC68  | K3  |
| B11 | NC15 | NC69  | K12 |
| B12 | NC16 | NC70  | K13 |
| B13 | NC17 | NC71  | K14 |
| B14 | NC18 | NC72  | L1  |
| C1  | NC19 | NC73  | L2  |
| C3  | NC20 | NC74  | L3  |
| C5  | NC21 | NC75  | L12 |
| C7  | NC22 | NC76  | L13 |
| C8  | NC23 | NC77  | L14 |
| C9  | NC24 | NC78  | M1  |
| C10 | NC25 | NC79  | M2  |
| C11 | NC26 | NC80  | M3  |
| C12 | NC27 | NC81  | M7  |
| C13 | NC28 | NC82  | M8  |
| C14 | NC29 | NC83  | M9  |
| D1  | NC30 | NC84  | M10 |
| D2  | NC31 | NC85  | M11 |
| D3  | NC32 | NC86  | M12 |
| D4  | NC33 | NC87  | M13 |
| D12 | NC34 | NC88  | M14 |
| D13 | NC35 | NC89  | N1  |
| D14 | NC36 | NC90  | N3  |
| E1  | NC37 | NC91  | N6  |
| E2  | NC38 | NC92  | N7  |
| E3  | NC39 | NC93  | N8  |
| E12 | NC40 | NC94  | N9  |
| E13 | NC41 | NC95  | N10 |
| E14 | NC42 | NC96  | N11 |
| F1  | NC43 | NC97  | N12 |
| F2  | NC44 | NC98  | N13 |
| F3  | NC45 | NC99  | N14 |
| F12 | NC46 | NC100 | P1  |
| F13 | NC47 | NC101 | P2  |
| F14 | NC48 | NC102 | P8  |
| G1  | NC49 | NC103 | P9  |
| G2  | NC50 | NC104 | P11 |
| G12 | NC51 | NC105 | P12 |
| G13 | NC52 | NC106 | P13 |
| G14 | NC53 | NC107 | P14 |
| H1  | NC54 |       |     |

U1402

NC Interface 2 of 2

POP LPDDR 4X

|      |         |         |      |
|------|---------|---------|------|
| V12  | VSS_154 | VSS_193 | AD17 |
| V14  | VSS_155 | VSS_194 | AD18 |
| V16  | VSS_156 | VSS_195 | AD19 |
| V19  | VSS_157 | VSS_196 | AD20 |
| V20  | VSS_158 | VSS_197 | AD21 |
| V21  | VSS_159 | VSS_198 | AD22 |
| V22  | VSS_160 | VSS_199 | AD23 |
| V23  | VSS_161 | VSS_200 | AE6  |
| W24  | VSS_162 | VSS_201 | AE15 |
| W29  | VSS_163 | VSS_202 | AE24 |
| Y1   | VSS_164 | VSS_203 | AE29 |
| Y2   | VSS_165 | VSS_204 | AF8  |
| Y8   | VSS_166 | VSS_205 | AF10 |
| Y10  | VSS_167 | VSS_206 | AF11 |
| Y12  | VSS_168 | VSS_207 | AF13 |
| Y14  | VSS_169 | VSS_208 | AF14 |
| Y16  | VSS_170 | VSS_209 | AF16 |
| Y18  | VSS_171 | VSS_210 | AF17 |
| Y19  | VSS_172 | VSS_211 | AF23 |
| Y20  | VSS_173 | VSS_212 | AH21 |
| Y21  | VSS_174 | VSS_213 | AH29 |
| Y22  | VSS_175 | VSS_214 | AJ4  |
| Y23  | VSS_176 | VSS_215 | AJ19 |
| AA24 | VSS_177 | VSS_216 | AJ22 |
| AB8  | VSS_178 | VSS_217 | AK1  |
| AB10 | VSS_179 | VSS_218 | AK10 |
| AB12 | VSS_180 | VSS_219 | AK16 |
| AB14 | VSS_181 | VSS_220 | AK18 |
| AB17 | VSS_182 | VSS_221 | AK21 |
| AB18 | VSS_183 | VSS_222 | AK24 |
| AB19 | VSS_184 | VSS_223 | AK29 |
| AB20 | VSS_185 | VSS_224 | AL1  |
| AB21 | VSS_186 | VSS_225 | AL2  |
| AB22 | VSS_187 | VSS_226 | AL4  |
| AB23 | VSS_188 | VSS_227 | AL7  |
| AC16 | VSS_189 | VSS_228 | AL13 |
| AC24 | VSS_190 | VSS_229 | AL28 |
| AD10 | VSS_191 | VSS_230 | AL29 |
| AD14 | VSS_192 |         |      |

U300\_POP

GND3 interface 10 of 10

UFS 2.1  
64GB 40060875  
128GB ---

eMMC 5.1  
64GB ---  
128GB 40060884

LPDDR4X  
4GB 40020492  
6GB 40020493

The type and specification of the components refer to the BOM

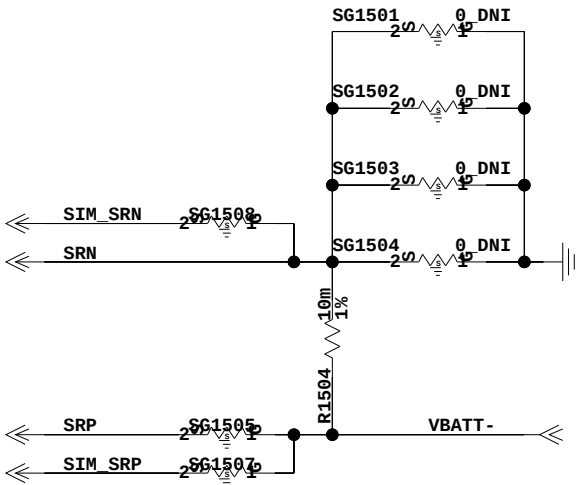
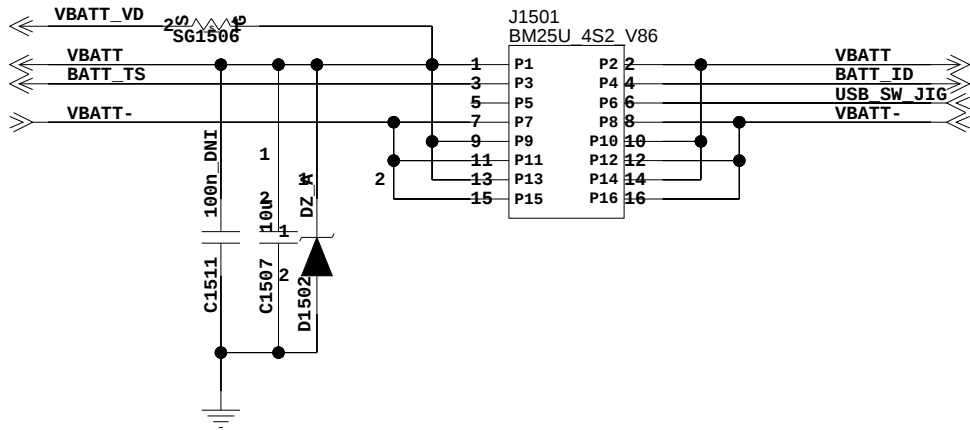
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|----------|-------------------|--------|-------------|----------------------|------------------|
|          |                   |        |             |                      | 03-05-2018_17:27 |
|          |                   |        |             | ECA NO               | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 14_UFS/eMMC/DDR      |                  |
| REVIEWED | HUAWEI            | VER    | PART_NUMBER | SHEET                | OF 71            |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |                  |

# 15. Battery & Fuel guage

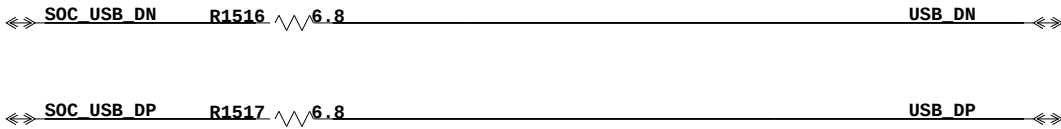
Phone Repair  
All Mohamed Alhajjar  
96777767810



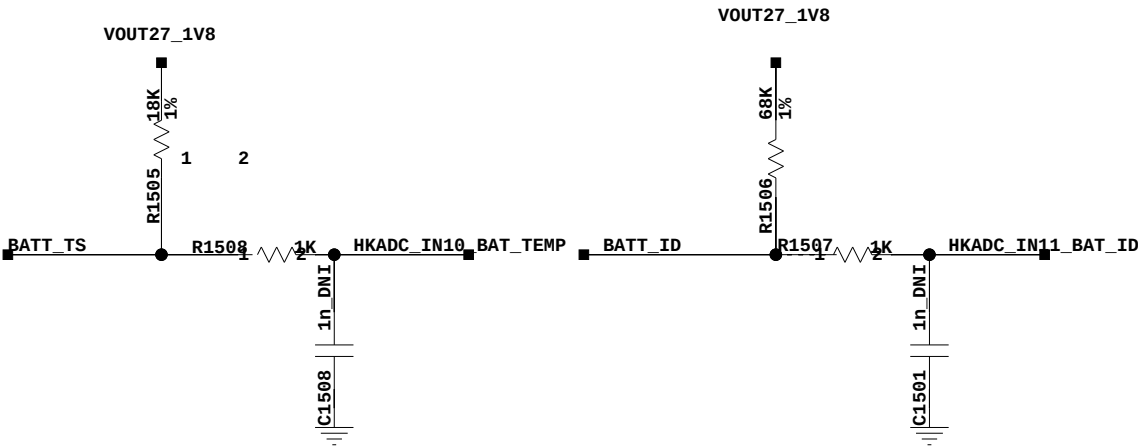
## Battery Connector



CAD note:1.Trace for 6A  
2.Differential trace

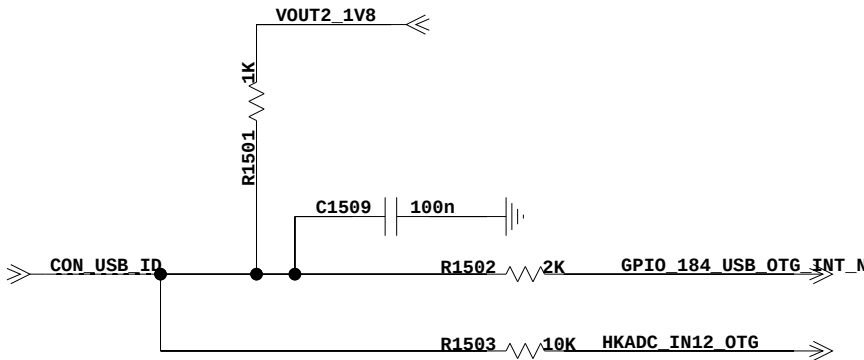


VOUT27\_1V8



Battery Temperature

Battery ID

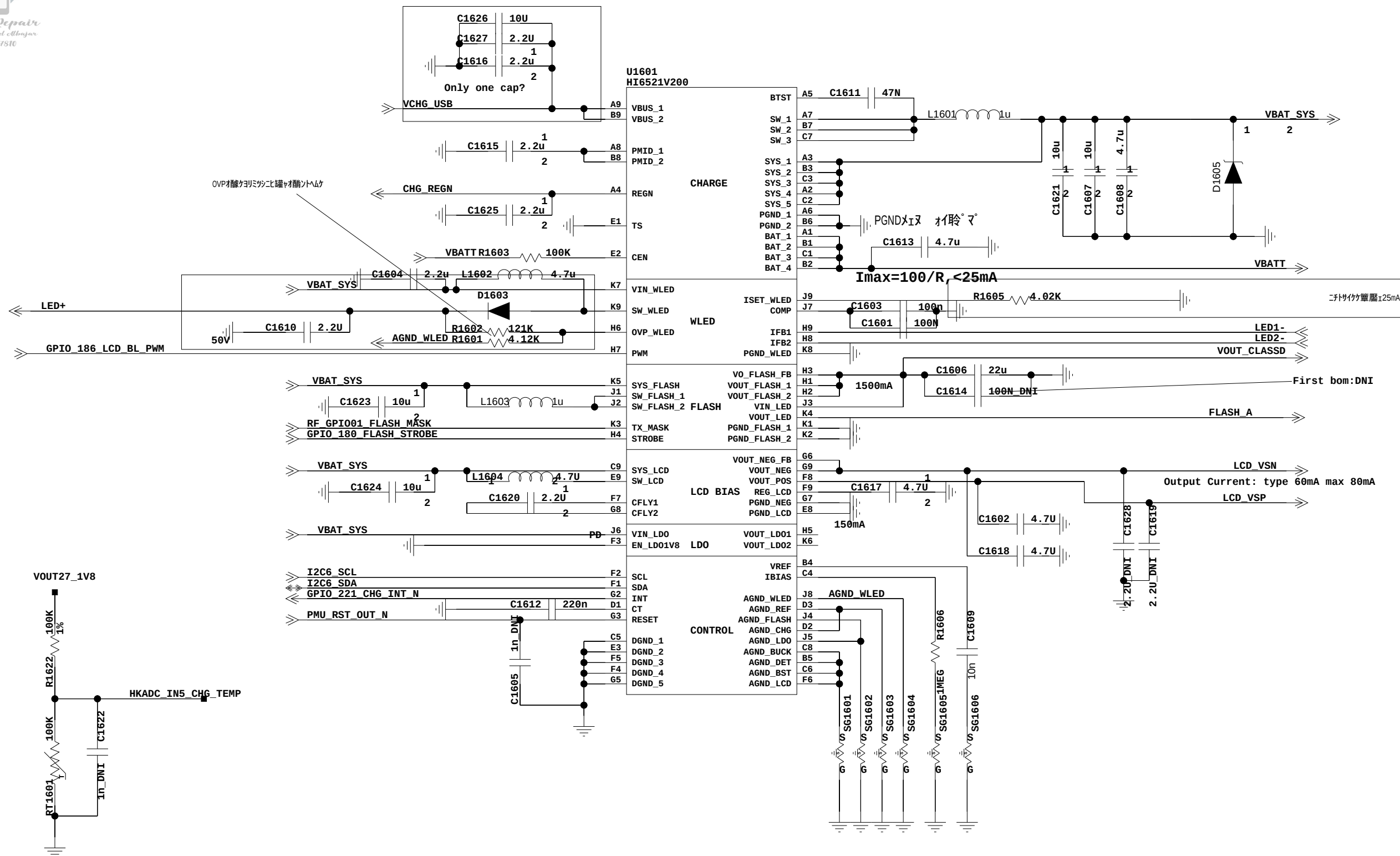


The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 15 Battery           |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |

# 16. SchargerV200

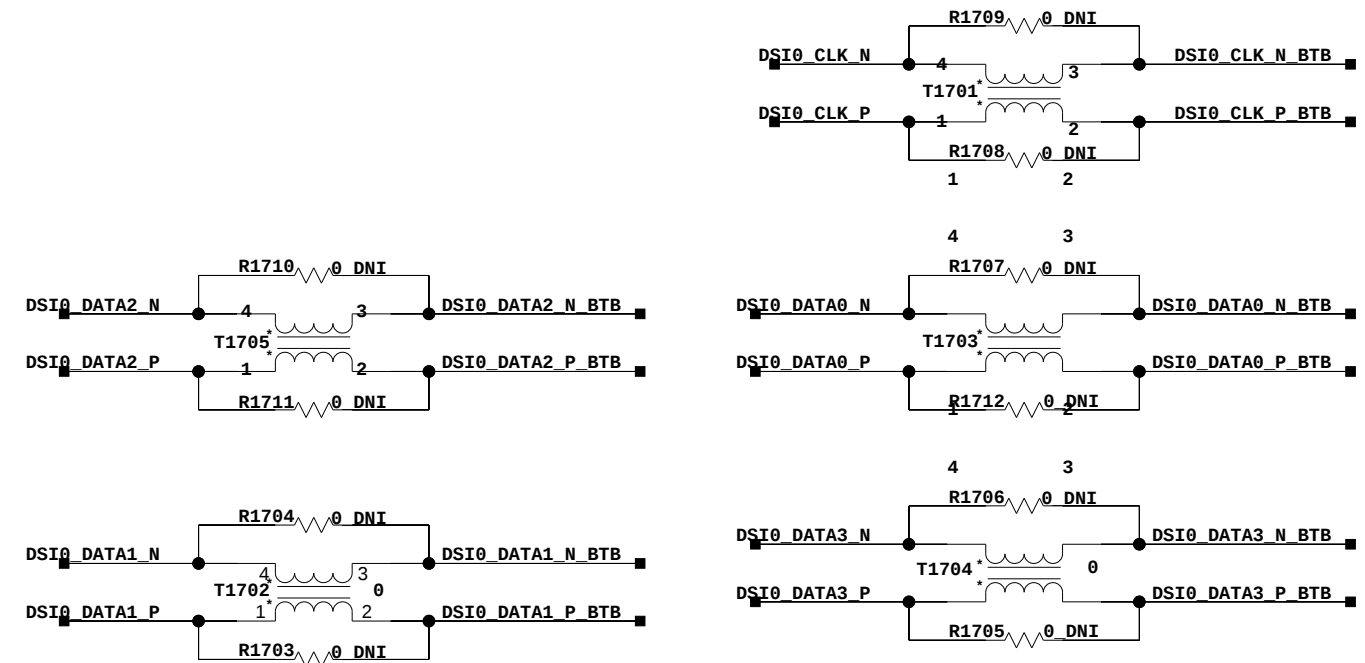
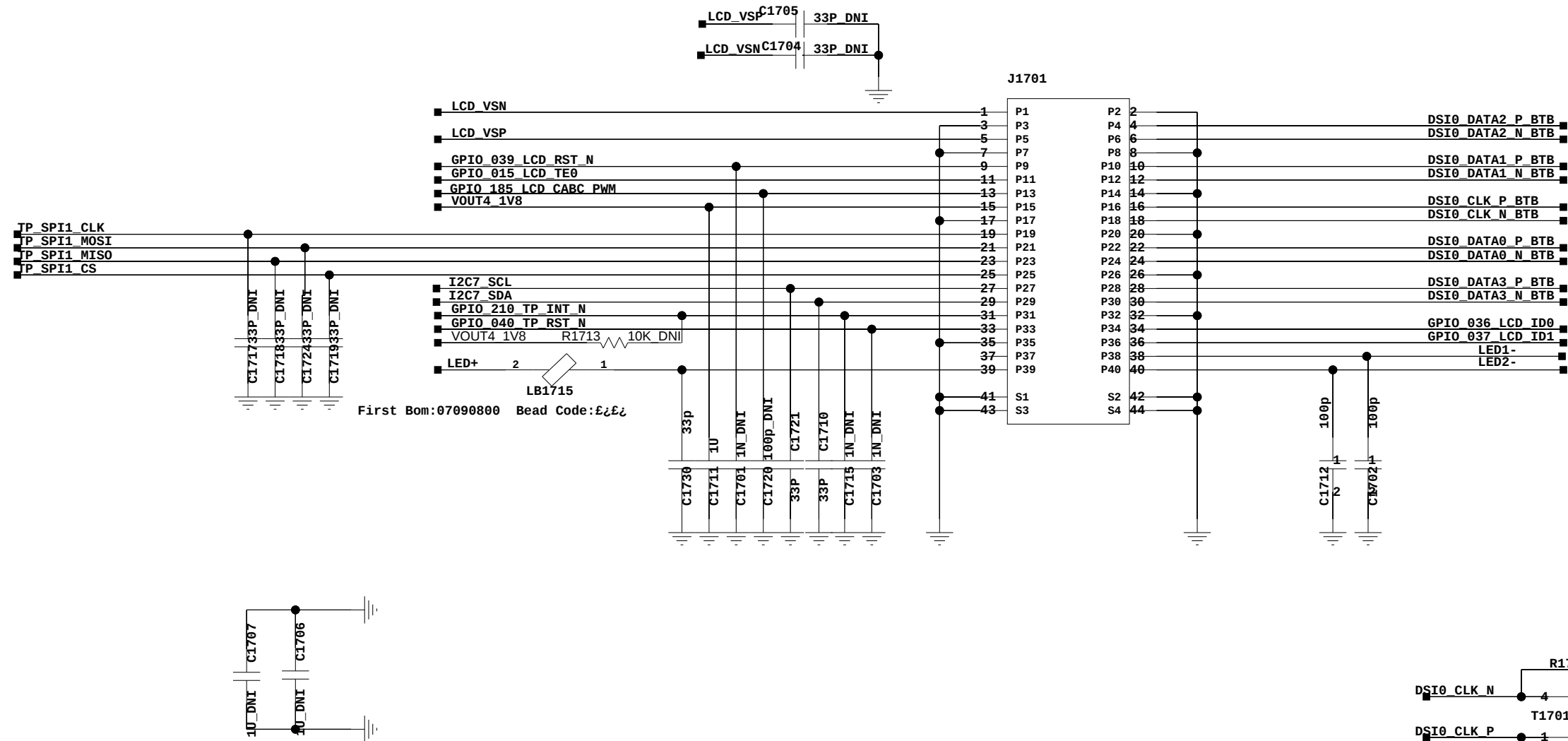
Phone Repair  
All Mohamed Elmagar  
96777617810



The type and specification of the components refer to the BOM

|          |                    |               |             |                      |            |
|----------|--------------------|---------------|-------------|----------------------|------------|
|          |                    |               |             | NA                   | 2017/11/16 |
|          |                    |               |             | ECA NO               | DATE       |
| DESIGNED | Weiwei/00226065    | MiamiC20_EMMC |             | 00001234             |            |
| REVIEWED | Jiyanping/00174105 |               |             |                      |            |
|          |                    | VER           | PART_NUMBER | SHEET 21 OF 21       |            |
|          |                    | A             | 03030001    | HUAWEI TECH CO.,LTD. |            |

## 17. LCD and TP INTERFACE



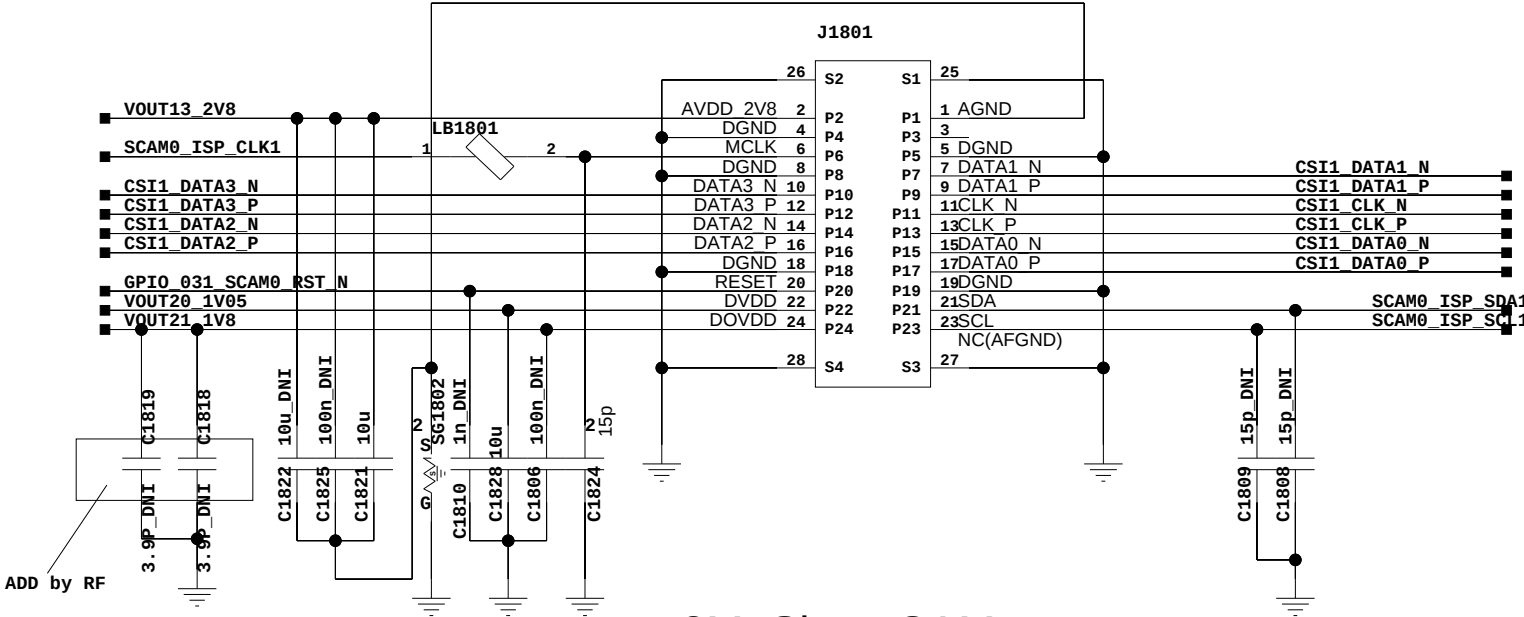
The type and specification of the components refer to the BOM

|          |                   |        |             |                      |       |
|----------|-------------------|--------|-------------|----------------------|-------|
|          |                   |        |             |                      |       |
|          |                   |        |             |                      |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 17 LCD               |       |
|          |                   |        |             |                      |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |
|          |                   |        |             |                      |       |

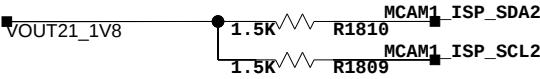
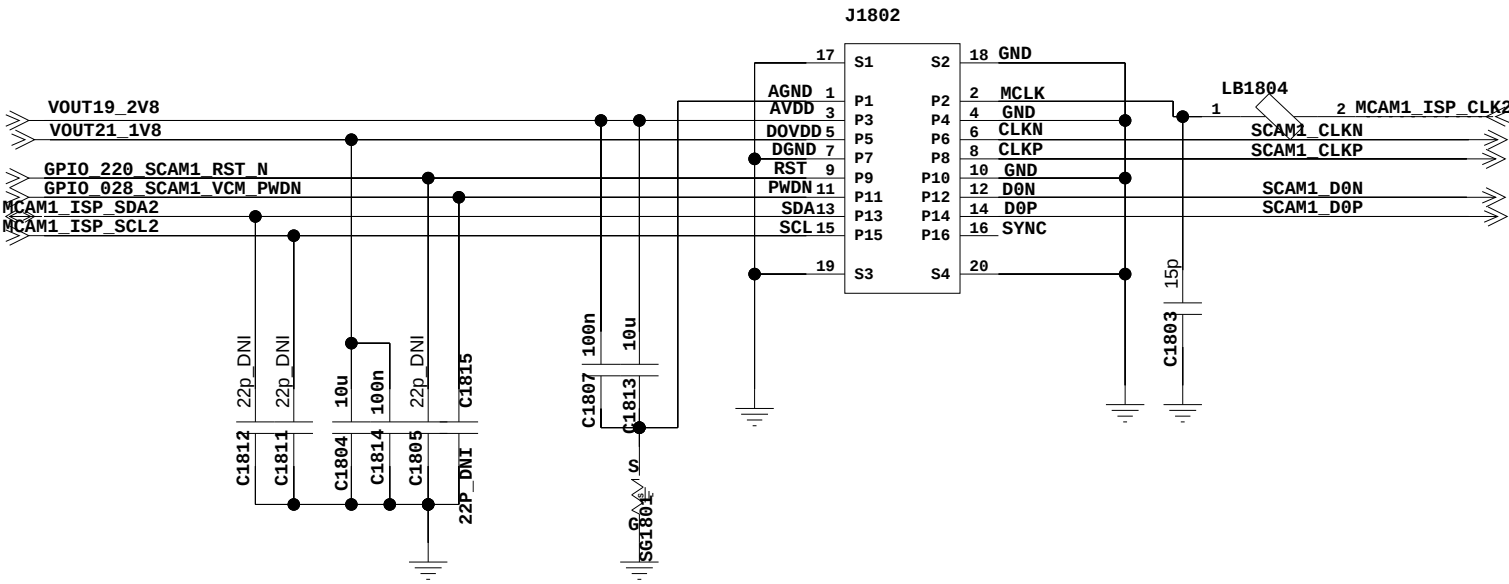
18. Flash/front Camera

Phone Repair  
All Mohamed Elhajj  
96777167810

24M Slave CAM

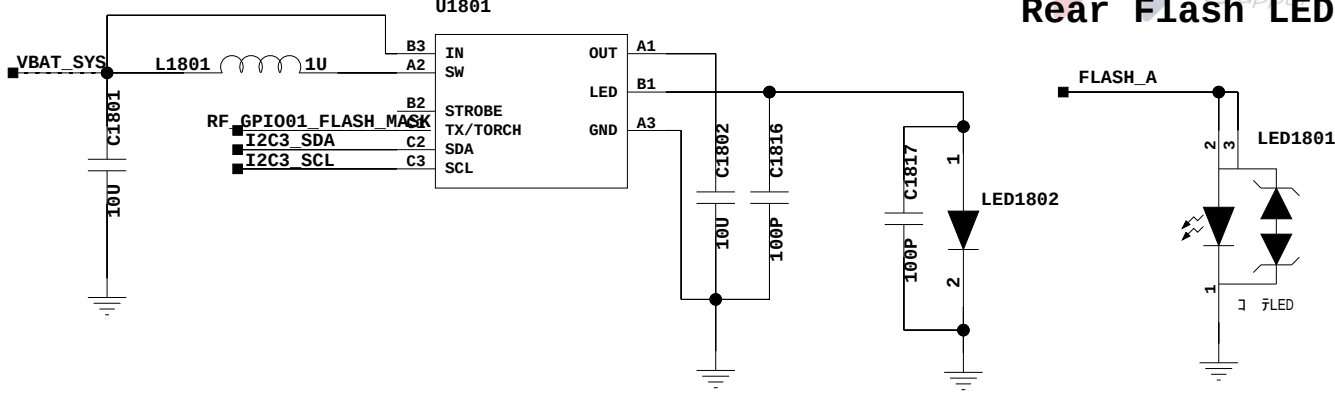


2M Slave CAM

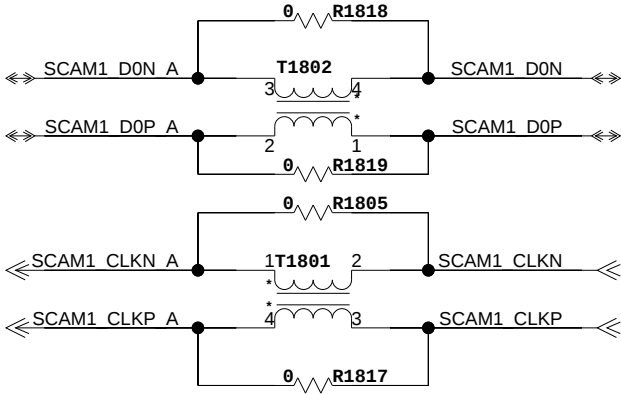


此图仅供参考，不作为维修依据。如有需要，请咨询专业维修人员。

IR LED



2M Sensor

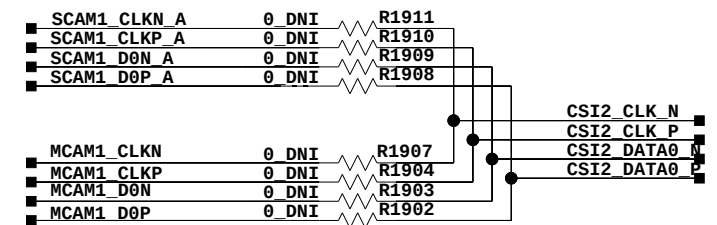


The type and specification of the components refer to the BOM

|          |                   |        |             |                       |                  |
|----------|-------------------|--------|-------------|-----------------------|------------------|
|          |                   |        |             |                       | 03-05-2018_17:11 |
|          |                   |        |             | ECA NO                | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 18 Flash/Front Camera |                  |
| REVIEWED | HUAWEI            |        |             |                       |                  |
|          |                   | VER    | PART_NUMBER | SHEET                 | OF 71            |
|          |                   | A      |             | HUAWEI TECH CO.,LTD.  |                  |



Phone Repair  
Ali Muhammad Albajar  
96777617810



|          |        |         |             |                          |            |
|----------|--------|---------|-------------|--------------------------|------------|
|          |        |         |             |                          |            |
|          |        |         |             | NA                       | 2018-06-18 |
|          |        |         |             | ECA NO                   | DATE       |
| DESIGNED | huawei | HL1PICM |             | 03023QLB_SCHZH           |            |
|          |        |         |             |                          |            |
| REVIEWED | HW     |         |             |                          |            |
|          |        | VER     | PART_NUMBER | SHEET 20_Rev D001 Camera |            |
|          |        | C       | 03023QLB    | HUAWEI TECH CO.,LTD.     |            |
|          |        |         |             |                          |            |

**SHEET 20** **Rev D** **01 Camera**

**HUAWEI TECH CO.,LTD.**

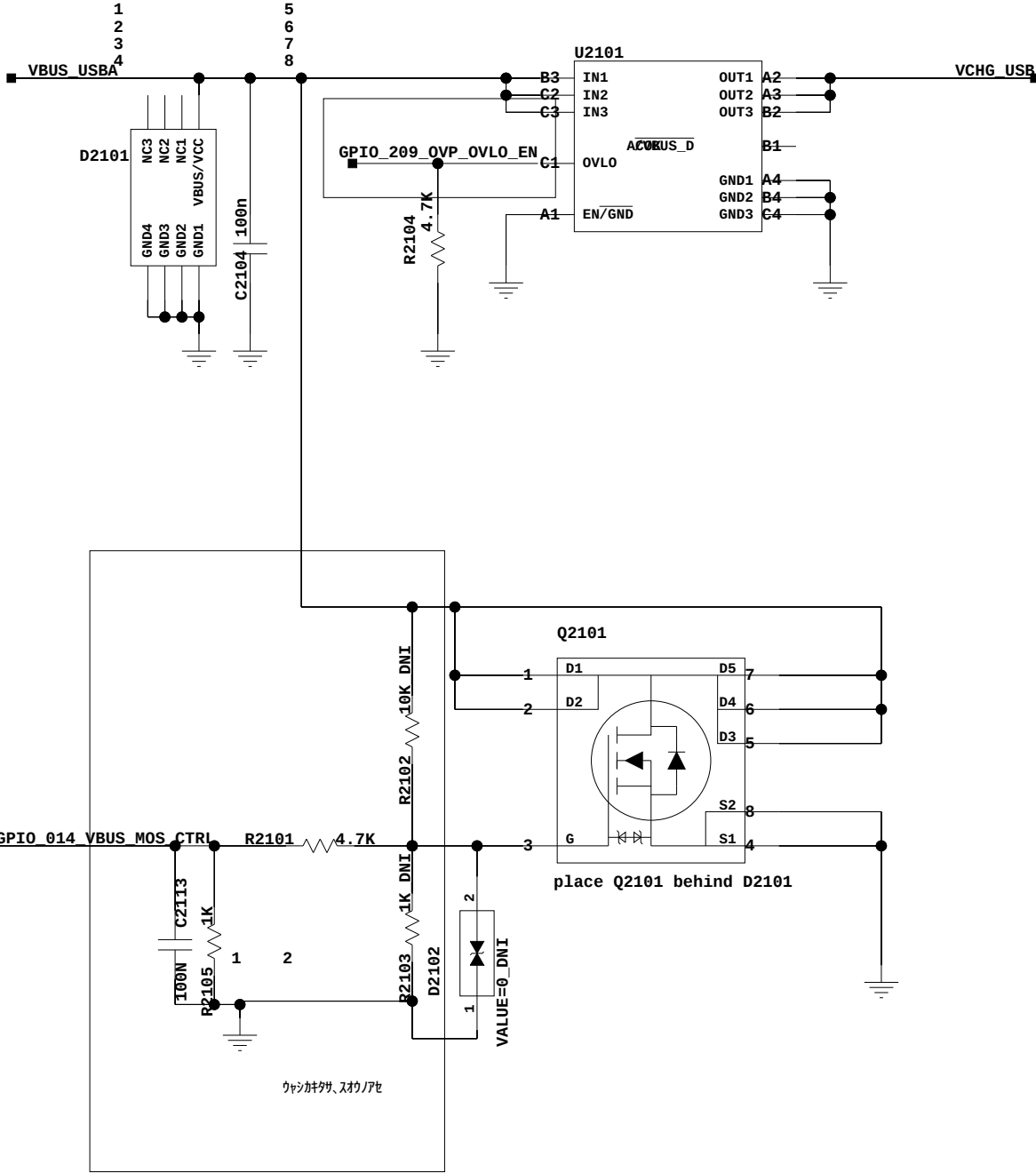
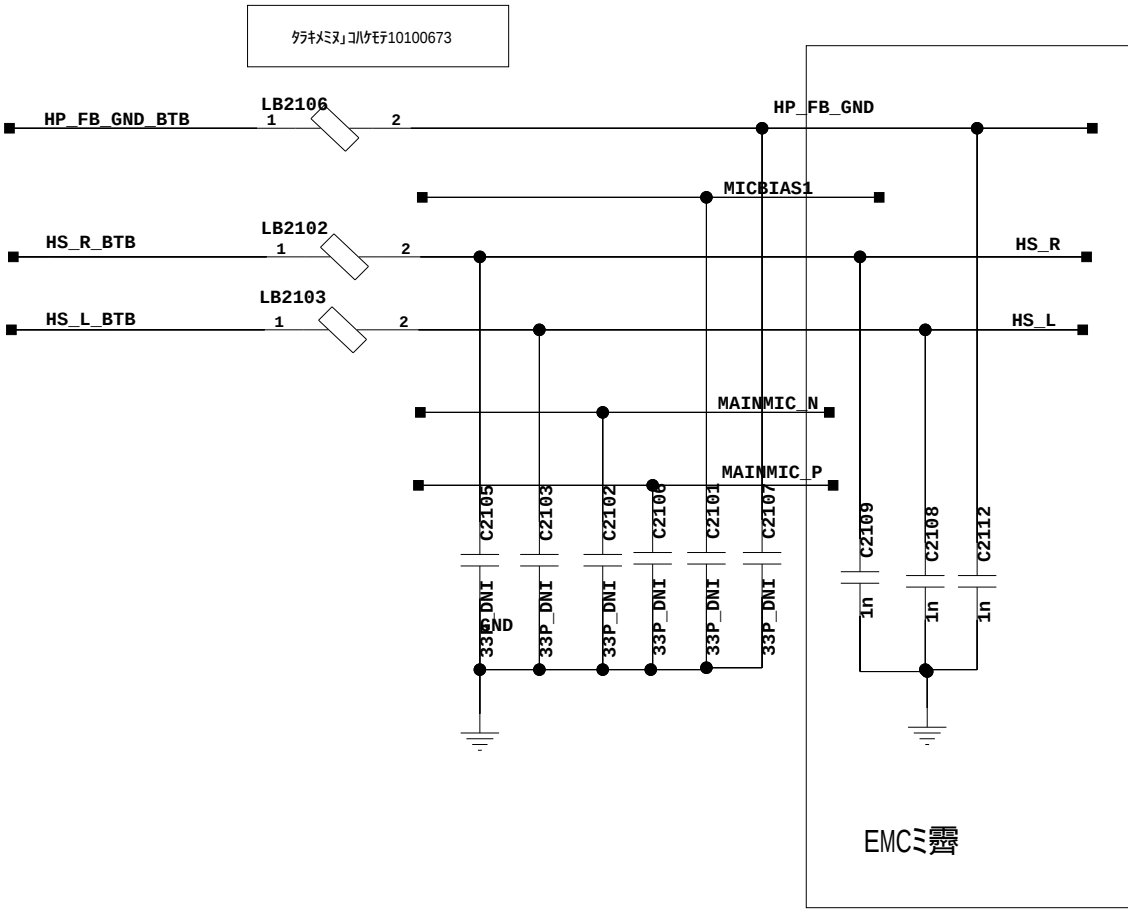
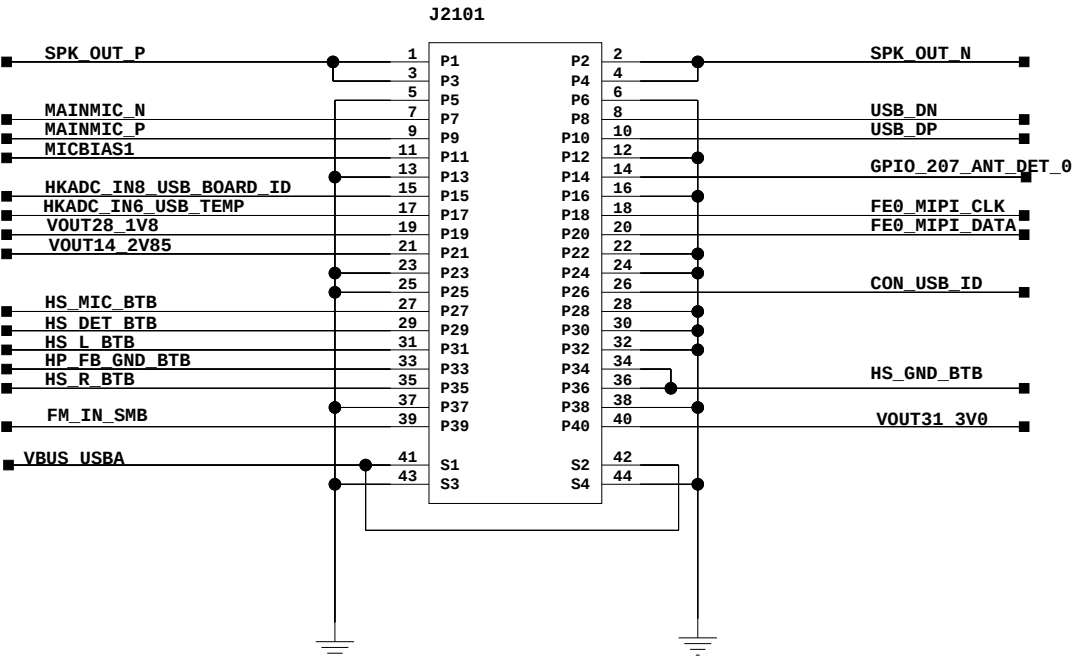
20. Reserved



The type and specification of the components refer to the BOM

|          |        |         |             |                      |                  |
|----------|--------|---------|-------------|----------------------|------------------|
|          |        |         |             |                      | 04-12-2017_12:20 |
|          |        |         |             | NA                   | 2018-06-18       |
|          |        |         |             | ECA NO               | DATE             |
| DESIGNED | huawei | HL1PICM |             | 03023QLB_SCHZH       |                  |
|          |        |         |             |                      |                  |
| REVIEWED | HW     |         |             |                      |                  |
|          |        | VER     | PART_NUMBER | SHEET                | 21_Font 68mera   |
|          |        | C       | 03023QLB    | HUAWEI TECH CO.,LTD. |                  |

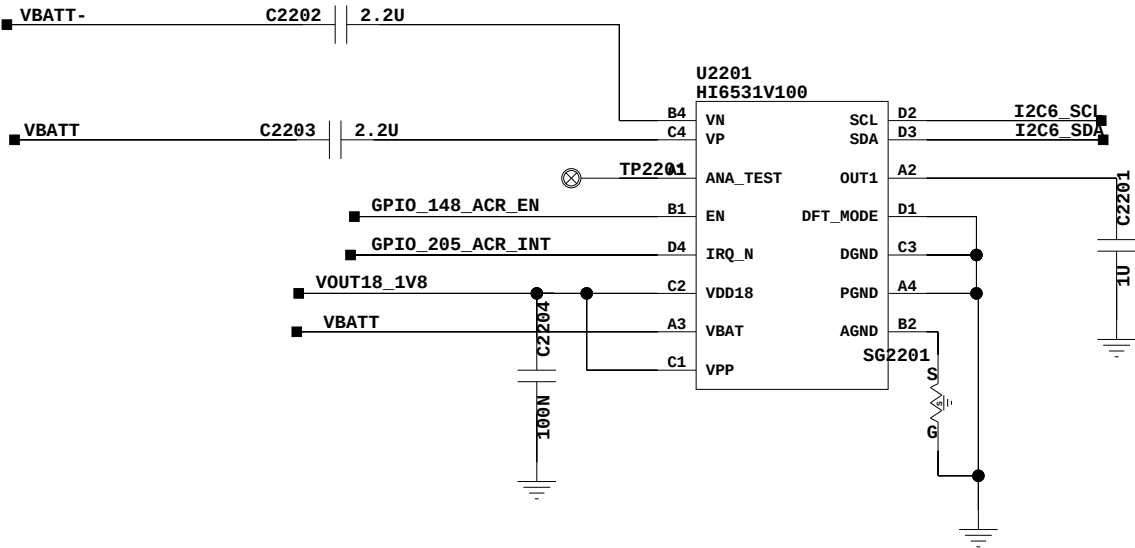
21. Main FPC



The type and specification of the components refer to the BOM

|          |          |        |             |                      |       |
|----------|----------|--------|-------------|----------------------|-------|
|          |          |        |             |                      |       |
|          |          |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI | NOVA3I |             | 21 Main FPC          |       |
| REVIEWED |          | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |          | A      |             | HUAWEI TECH CO.,LTD. |       |

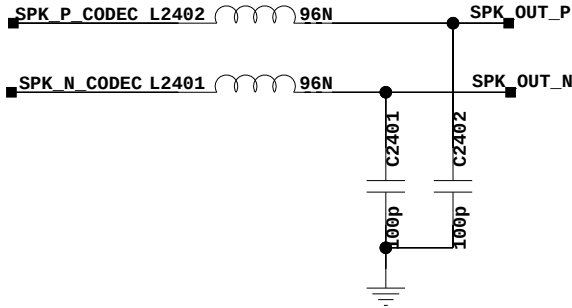
22. CODEC HI6403



The type and specification of the components refer to the BOM

|          |                |              |             |                      |      |
|----------|----------------|--------------|-------------|----------------------|------|
|          |                |              |             | NA                   |      |
|          |                |              |             | ECA NO               | DATE |
| DESIGNED | ZHANGSAN XXXXX | A3TITLEBLOCK |             | 00001234             |      |
| REVIEWED | LISI XXXXX     |              |             |                      |      |
|          |                | VER          | PART_NUMBER | SHEET 1 OF 1         |      |
|          |                | A            | 03030001    | HUAWEI TECH CO.,LTD. |      |

24. SPK



The type and specification of the components refer to the BOM

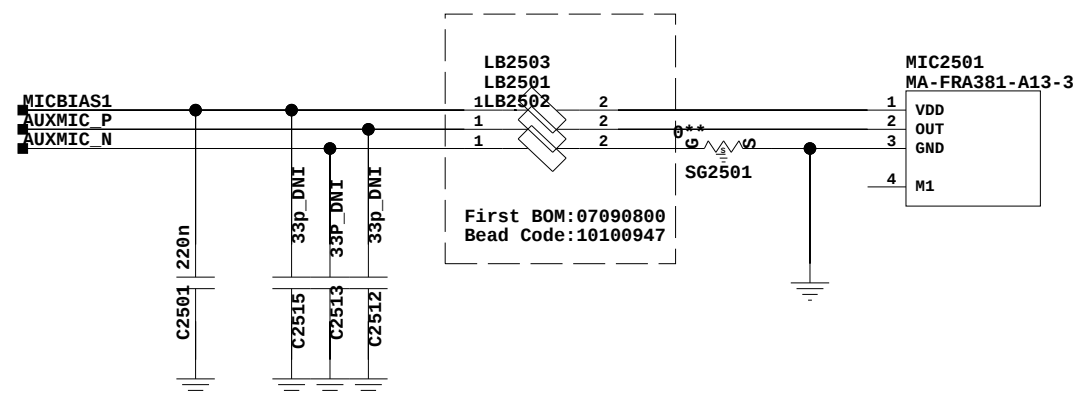
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|          |                   |        |             |                      |       |
|          |                   |        |             | ECA NO               | DATE  |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 24 SMART PA          |       |
| REVIEWED | HUAWEI            |        |             |                      |       |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71 |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |       |



# 25. MIC/RCV

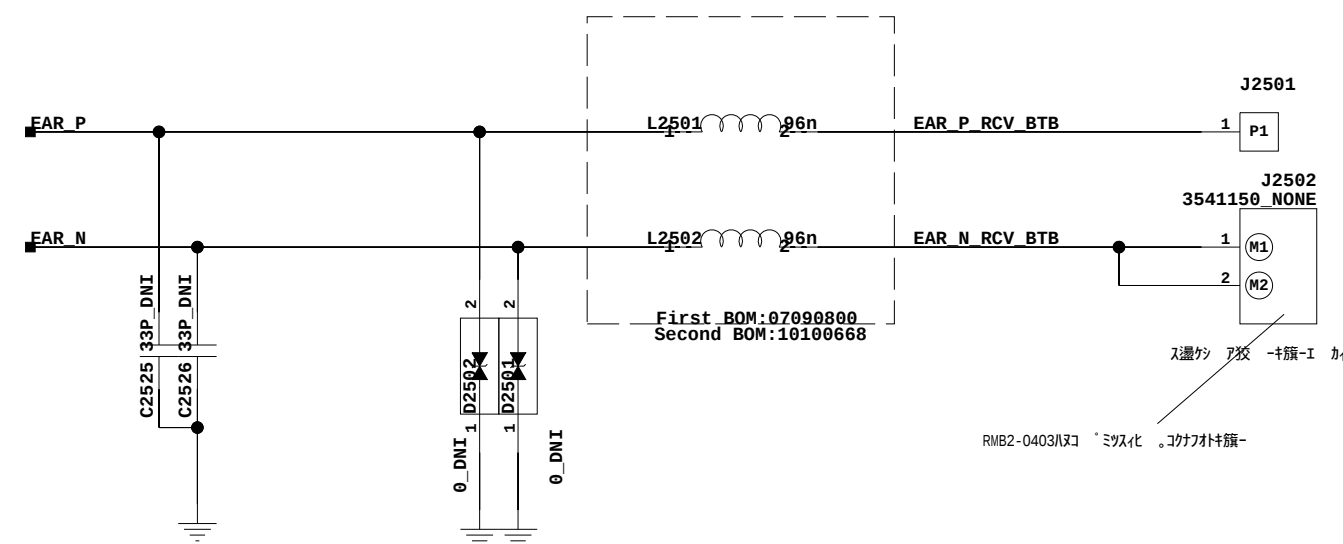


## Second MIC



CAD note: 1, MIC need differential trace  
2, MIC GND pad need use cycle via to GND net.

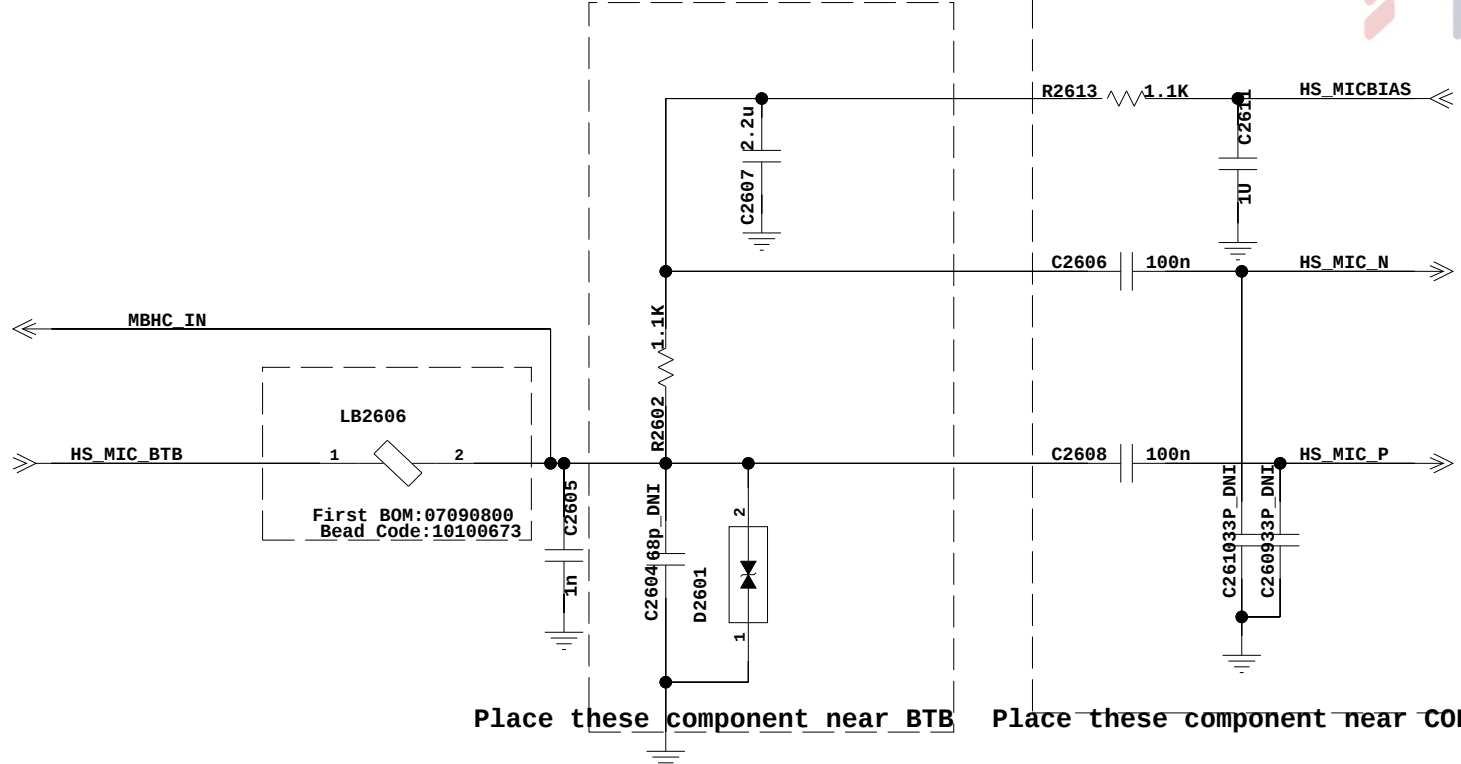
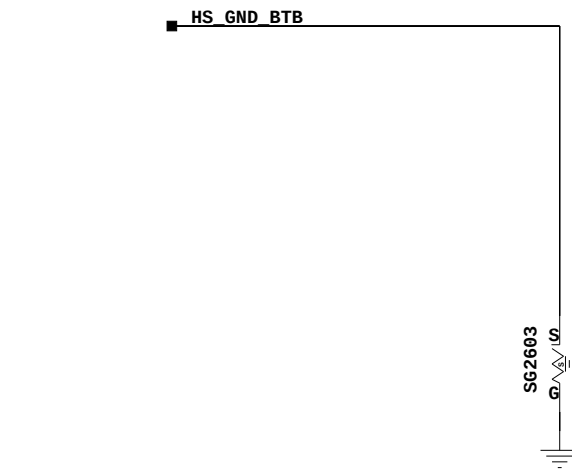
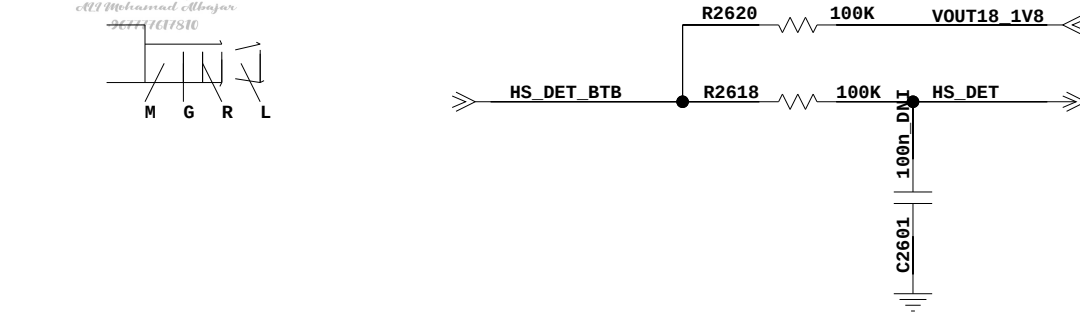
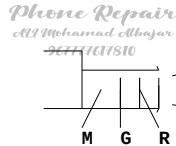
## RCV



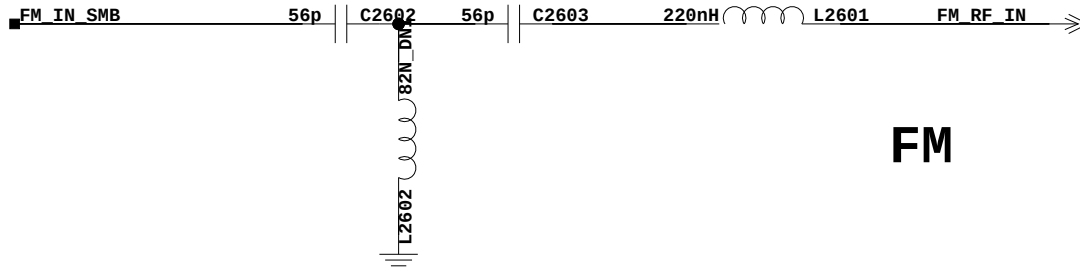
The type and specification of the components refer to the BOM

|          |                   |        |             |                      |
|----------|-------------------|--------|-------------|----------------------|
|          |                   |        |             | 03-04-2018_11:55     |
|          |                   |        |             |                      |
|          |                   |        | ECA NO      | DATE                 |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 25 MIC/RCV           |
| REVIEWED | HUAWEI            |        |             |                      |
|          |                   | VER    | PART_NUMBER | SHEET OF 71          |
|          |                   |        |             | HUAWEI TECH CO.,LTD. |

26. Headphone



Headphone



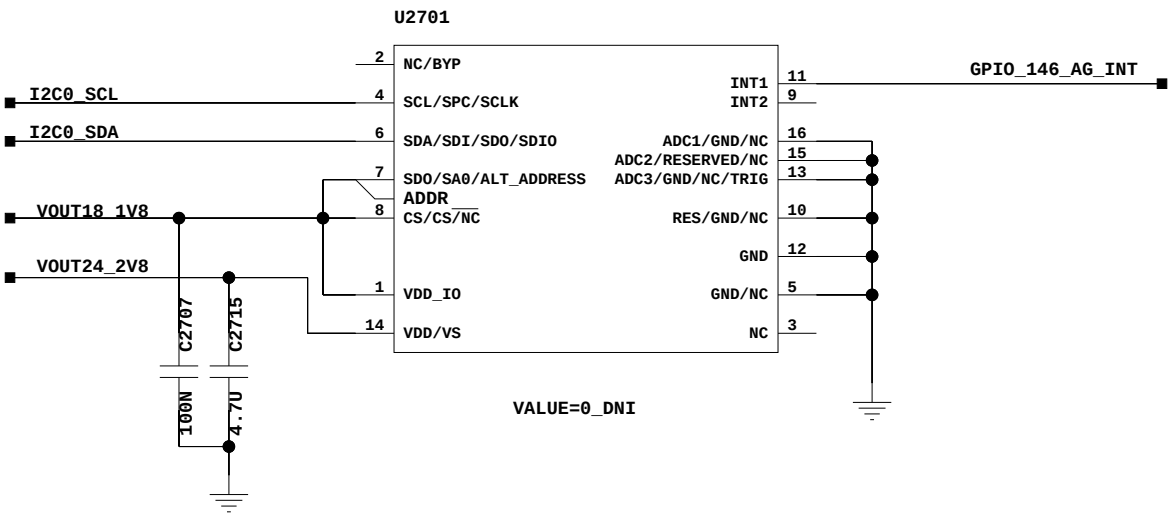
FM

The type and specification of the components refer to the BOM

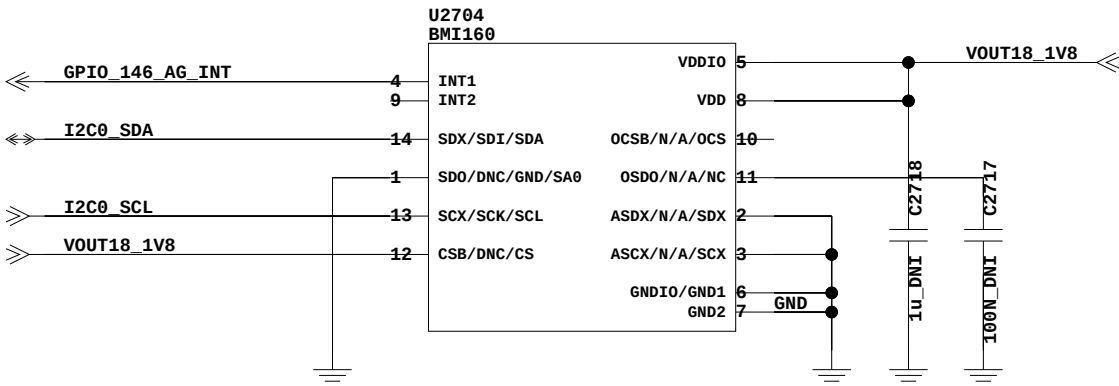
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|          |                   |        |             | ECA NO               | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 26 Headphone         |                  |
| REVIEWED | HUAWEI            |        |             |                      |                  |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71            |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |                  |

27. X-Sensor

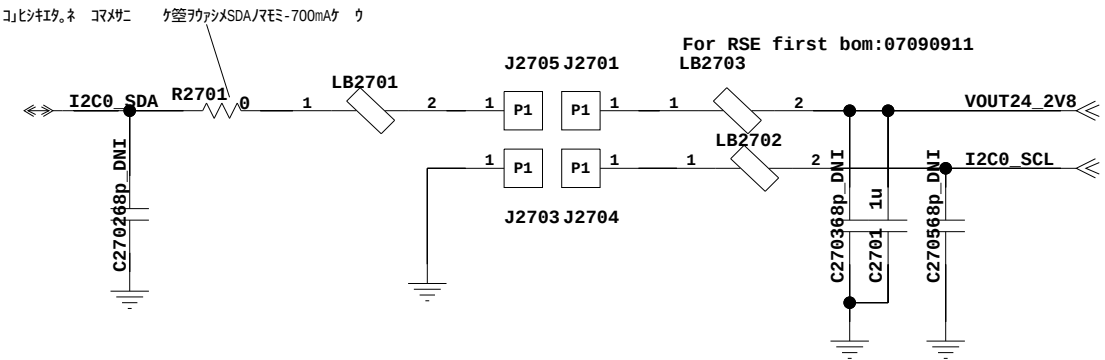
Accelerometer



A+G



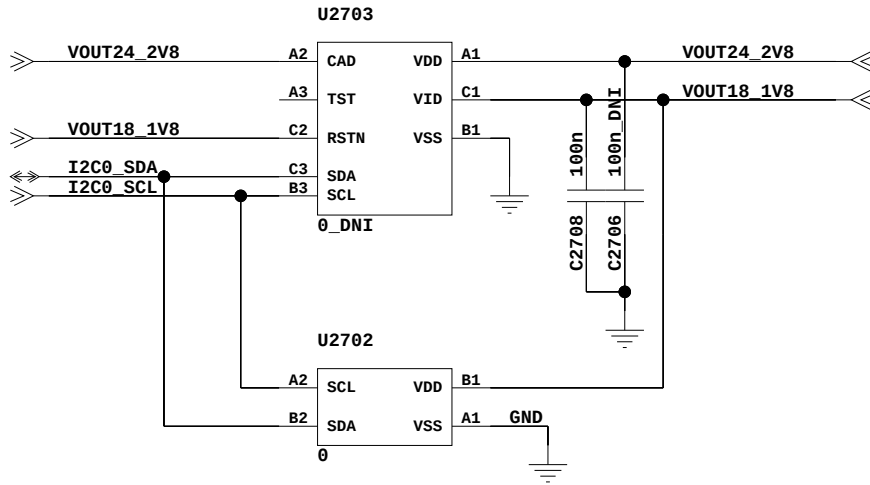
PROXIMITY&RGB AMBIENT Sensor



Fingerprint Sensor

Idpin 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

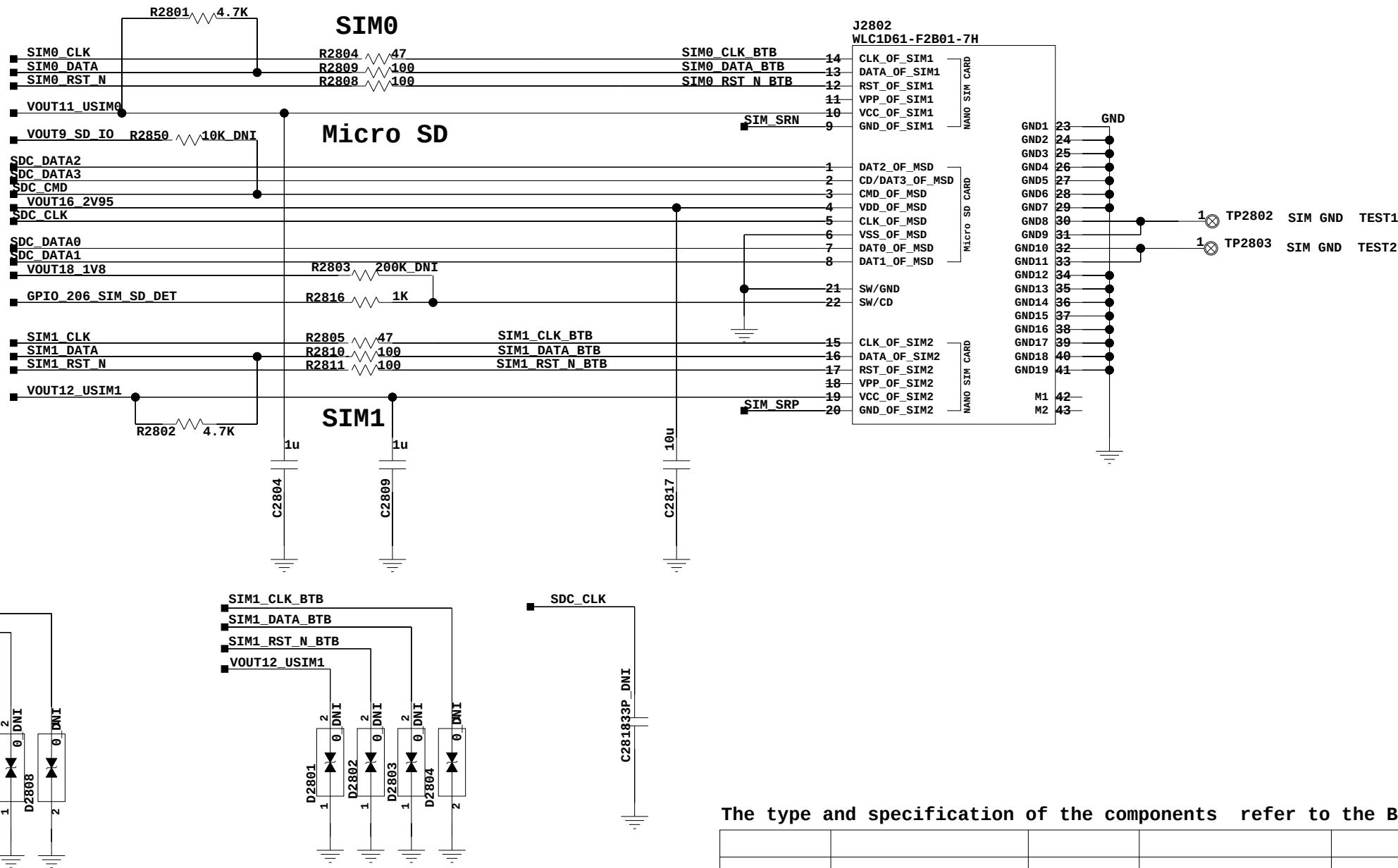
Compass



The type and specification of the components refer to the BOM

|          |                   |        |             |                      |                  |
|----------|-------------------|--------|-------------|----------------------|------------------|
|          |                   |        |             |                      | 25-04-2018_19:28 |
|          |                   |        |             | ECA NO               | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 27 X-Sensor          |                  |
| REVIEWED | HUAWEI            | VER    | PART_NUMBER | SHEET                | OF 71            |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |                  |

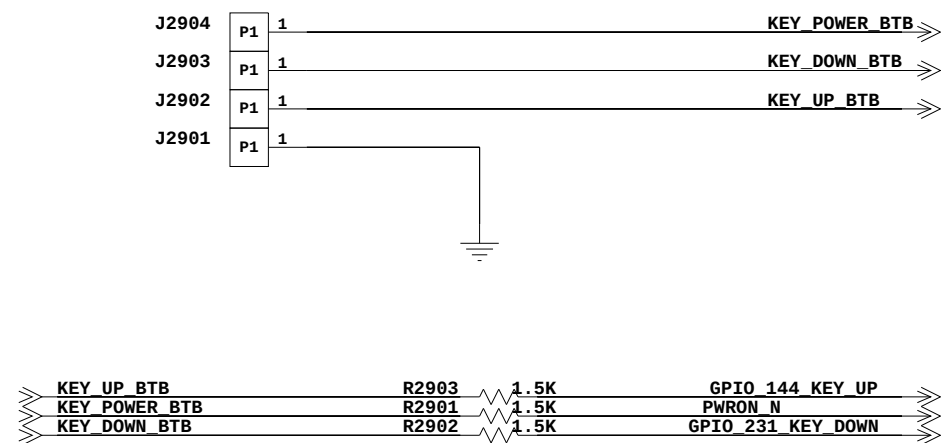
28.SIM/uSD Card



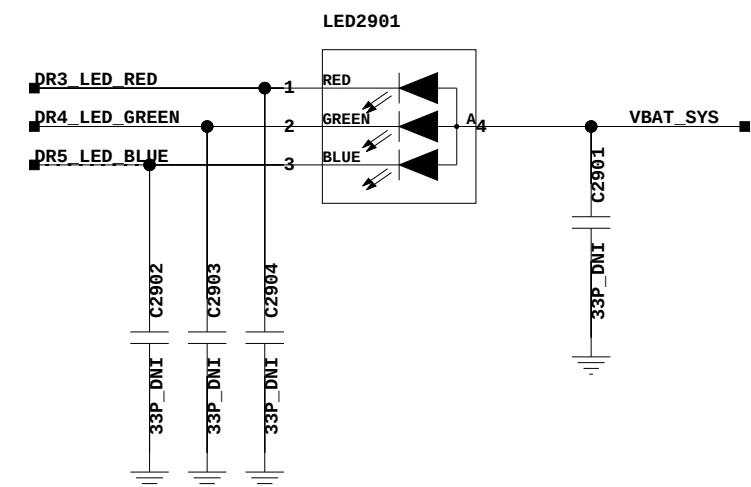
The type and specification of the components refer to the BOM

|          |                   |        |             |                      |
|----------|-------------------|--------|-------------|----------------------|
|          |                   |        |             | 21-01-2018_14:29     |
|          |                   |        | ECA NO      | DATE                 |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 28 SIM/uSD Card      |
| REVIEWED | HUAWEI            |        |             |                      |
|          |                   | VER    | PART_NUMBER | SHEET OF 71          |
|          |                   | A      |             | HUAWEI TECH CO.,LTD. |

## KEY BTB



## RGB LED



The type and specification of the components refer to the BOM

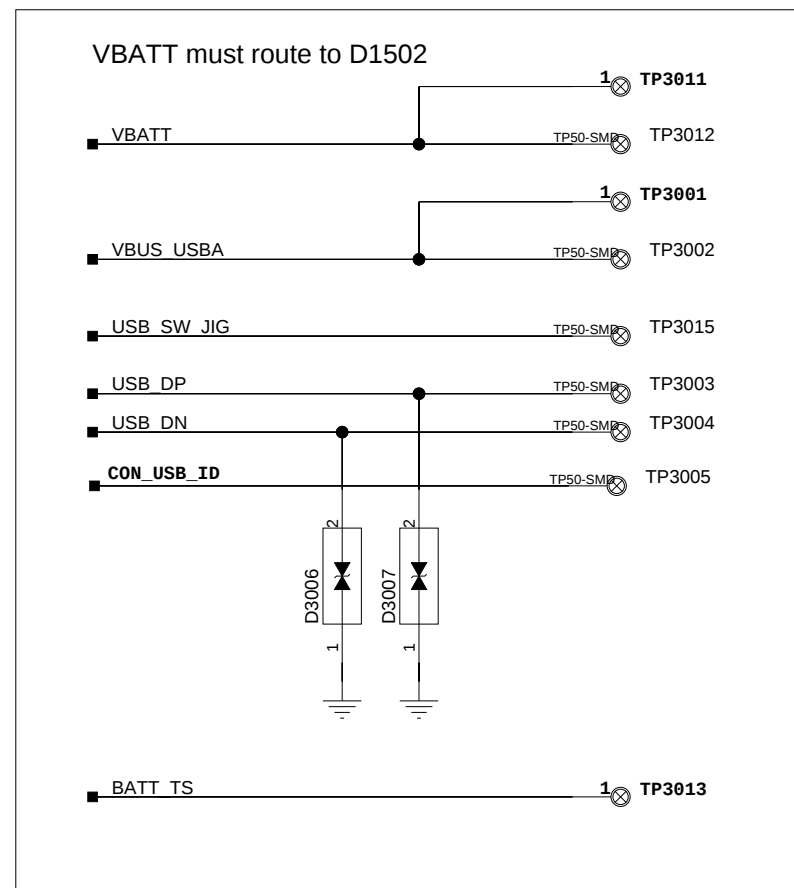
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|          |                   |        |             |                      | 25-04-2018_14:22 |
|          |                   |        |             | ECA NO               | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 29 LED/Key           |                  |
| REVIEWED | HUAWEI            |        |             |                      |                  |
|          |                   | VER    | PART_NUMBER | SHEET                | OF 71            |
|          |                   |        |             | HUAWEI TECH CO.,LTD. |                  |

# 30. Test Points/Shields

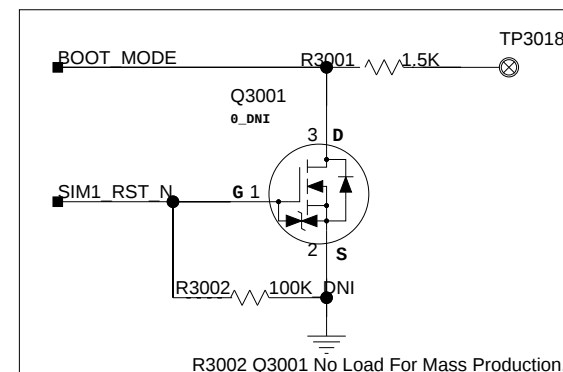
Phone Repair  
All Mohamed Alhajjar  
96777167810



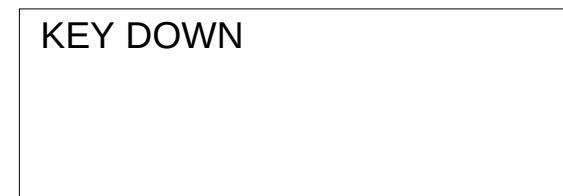
## CBT/PT



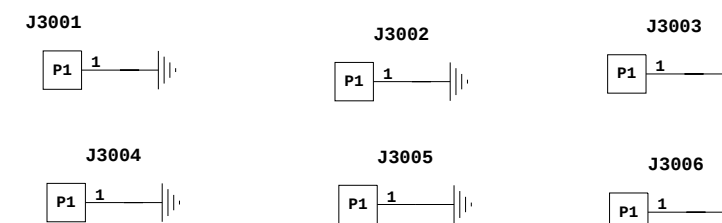
## BOOT MODE



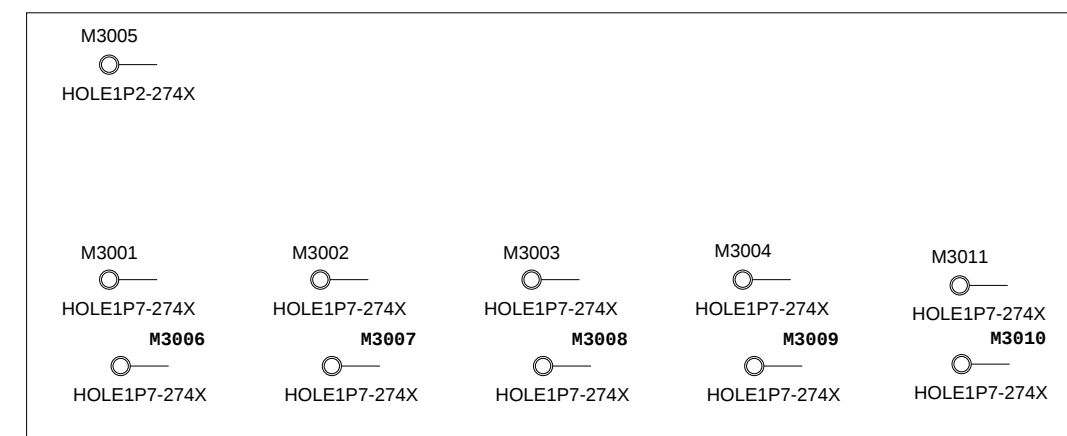
## KEY DOWN



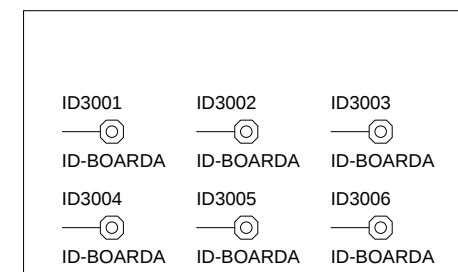
## Shielding



## HOLE

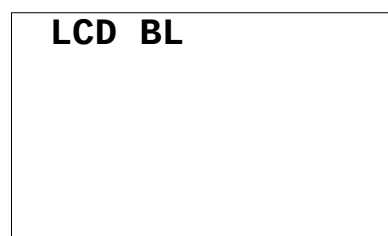


## MARK POINT

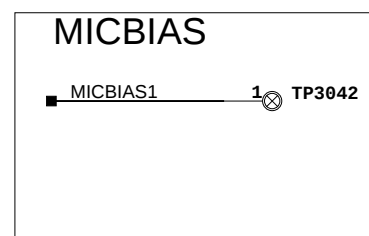


## FUNCTION TEST

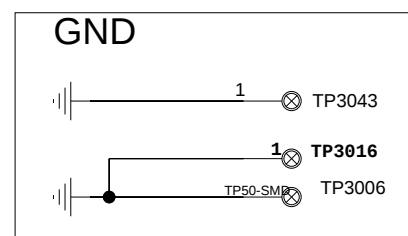
### LCD BL



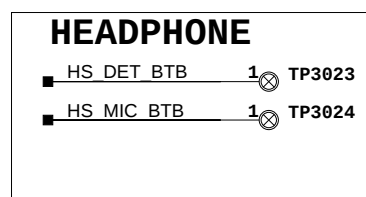
### MICBIAS



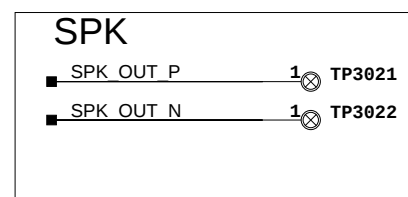
### GND



### HEADPHONE

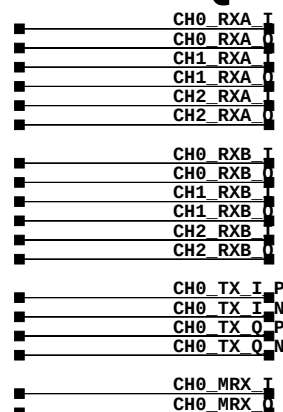


### SPK

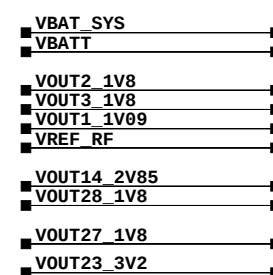


The type and specification of the components refer to the BOM

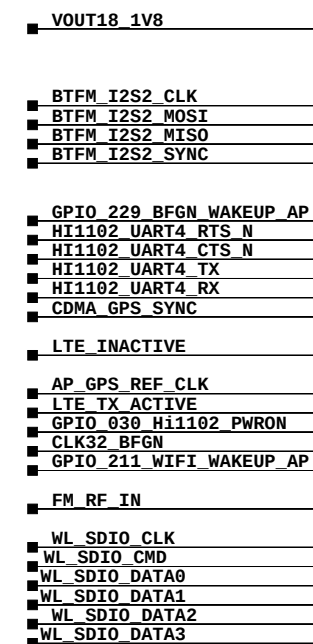
|          |                   |        |             |                        |                  |
|----------|-------------------|--------|-------------|------------------------|------------------|
|          |                   |        |             |                        | 11-05-2018_09:53 |
|          |                   |        |             | ECA NO                 | DATE             |
| DESIGNED | ZHANGWEI 00267965 | NOVA3I |             | 30 Test Points/Shields |                  |
| REVIEWED | HUAWEI            |        |             |                        |                  |
|          |                   | VER    | PART_NUMBER | SHEET                  | OF 71            |
|          |                   |        |             | HUAWEI TECH CO.,LTD.   |                  |



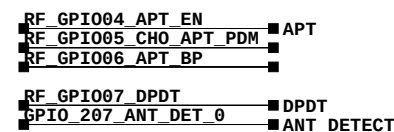
# POWER



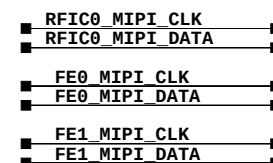
## NC Interface



## GPIO Interface

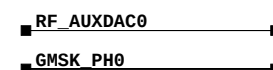
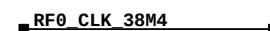


## MIPI Interface

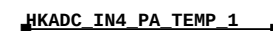


## ANT Interface

## GSM

**CLK**

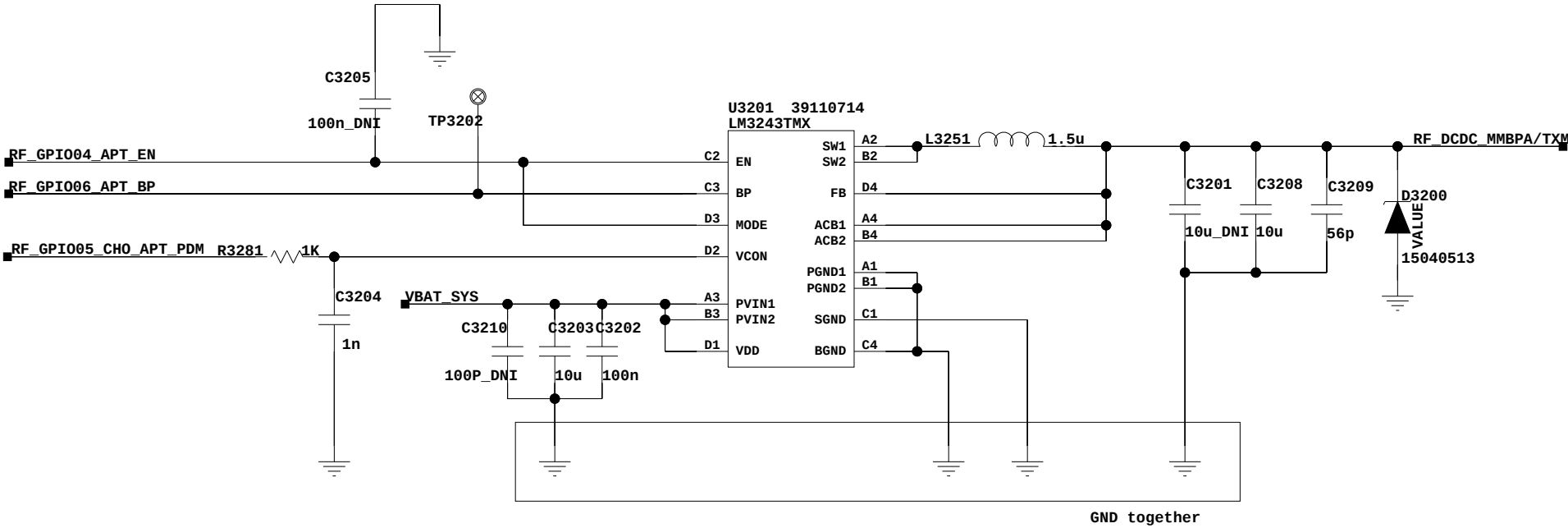
# HKADC



The type and specification of the components refer to the BOM

|          |                     |        |             |                     |                  |
|----------|---------------------|--------|-------------|---------------------|------------------|
|          |                     |        |             |                     | 29-05-2018_17:09 |
|          |                     |        |             |                     | 20140523         |
|          |                     |        |             | ECA NO              | DATE             |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             |                     | 03024GXE_SCHZH   |
|          |                     |        |             |                     |                  |
| REVIEWED | xujianguo 00312186  |        |             |                     |                  |
|          |                     | VER    | PART_NUMBER | SHEET 31            | 1 of 1           |
|          |                     |        | 03024GXE    | HUAWEI TECH CO.,LTD |                  |
|          |                     |        |             |                     |                  |

32\_APT\_LM3243



- 1. DCDCのコンデンサ、インダクタ、抵抗の値を指定
- 2. インダクタの値は、インダクタの値を指定
- 3. インダクタの値は、インダクタの値を指定

The type and specification of the components refer to the BOM

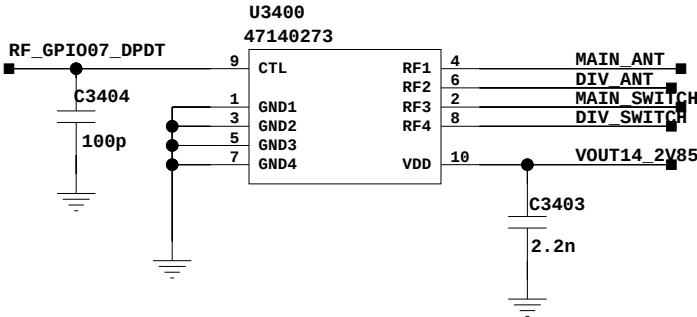
|          |                     |     |             |                     |            |                |  |
|----------|---------------------|-----|-------------|---------------------|------------|----------------|--|
|          |                     |     |             |                     |            |                |  |
|          |                     |     |             | NA                  | 2017/01/01 |                |  |
|          |                     |     |             | ECA NO              | DATE       |                |  |
| DESIGNED | gumingpeng 00358948 |     |             | NOVA3I              |            | 03024GXE_SCHZH |  |
| REVIEWED | xujianguo 00312186  |     |             |                     |            |                |  |
|          |                     | VER | PART_NUMBER | SHEET 32 OF 60      |            |                |  |
|          |                     | A   | 03024GXE    | HUAWEI TECH CO.,LTD |            |                |  |



## MISC2 Interface 2 of 2

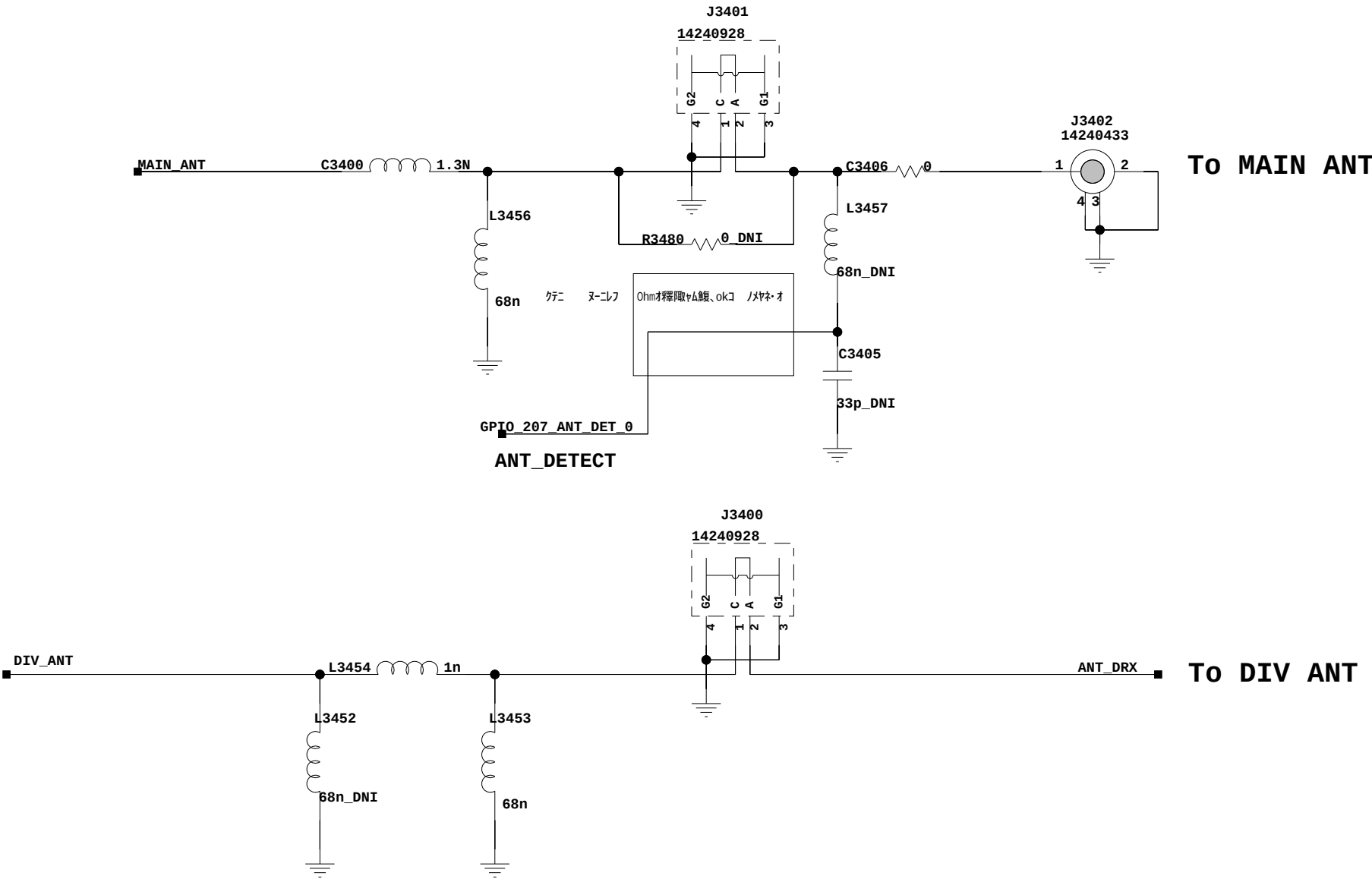
|          |                     |        |             |                     |      |
|----------|---------------------|--------|-------------|---------------------|------|
|          |                     |        |             |                     |      |
|          |                     |        |             | NA                  |      |
|          |                     |        |             | ECA NO              | DATE |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH      |      |
|          |                     |        |             |                     |      |
| REVIEWED | xujianguo 00312186  |        |             |                     |      |
|          |                     | VER    | PART_NUMBER | SHEET 33 OF 60      |      |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD |      |
|          |                     |        |             |                     |      |

34 DPDT\_Connector



C3403-2.2nF┆C3404-100pF┆Layout┆777┆ 777

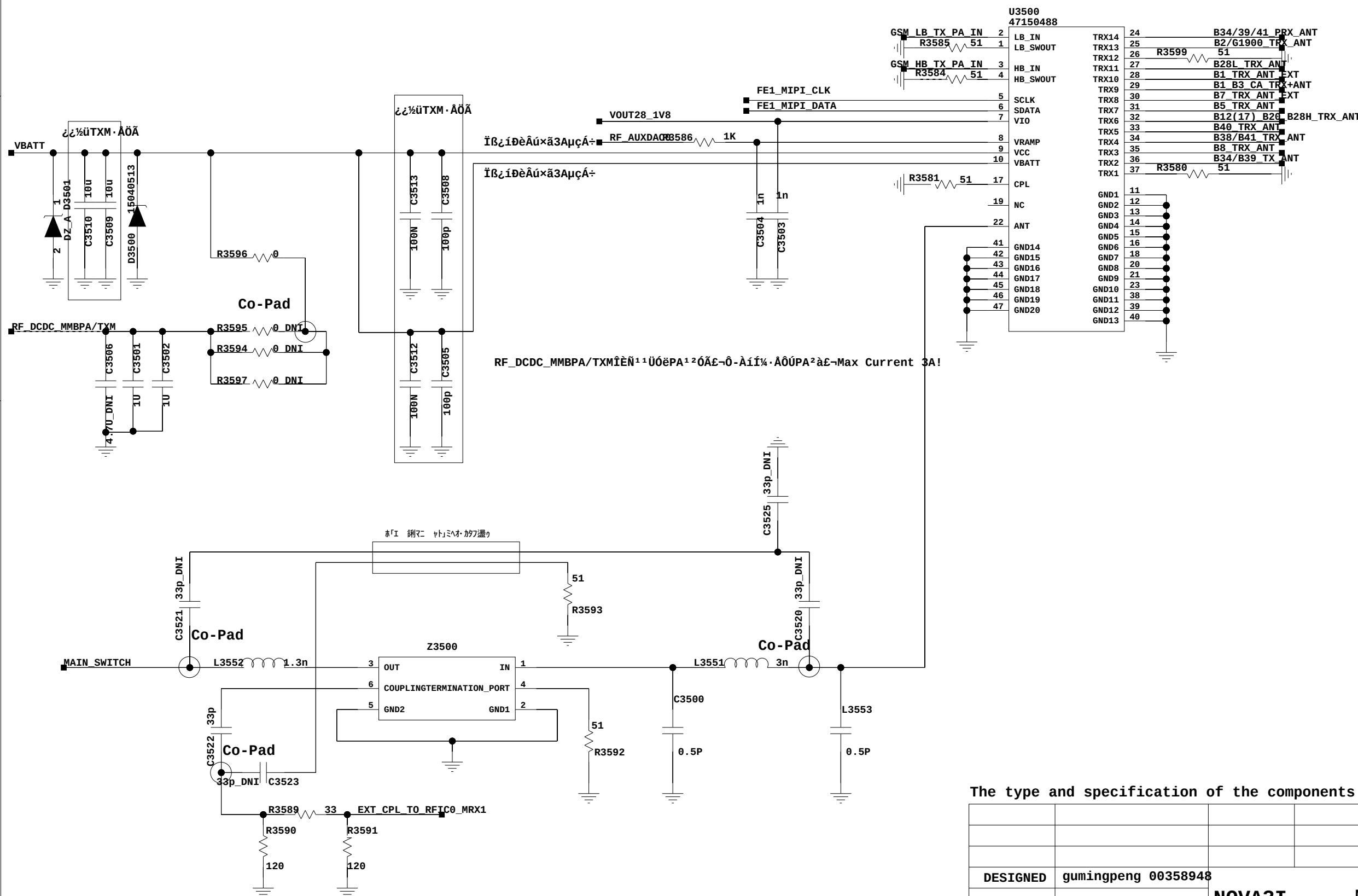
| U3400 Truth Table |                  |
|-------------------|------------------|
| CTRL1             | State            |
| 0                 | RF1-RF3, RF2-RF4 |
| 1                 | RF1-RF4, RF2-RF3 |



The type and specification of the components refer to the BOM

|          |                     |        |             |                      |      |
|----------|---------------------|--------|-------------|----------------------|------|
|          |                     |        |             | NA                   |      |
|          |                     |        |             | ECA NO               | DATE |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |      |
| REVIEWED | xujianguo 00312186  |        |             |                      |      |
|          |                     | VER    | PART_NUMBER | SHEET 38 OF 60       |      |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |      |

SKY77916-21E F5216Aシ販ソノ需ニヤリタ楨ソ テSKY77916-21#籜-

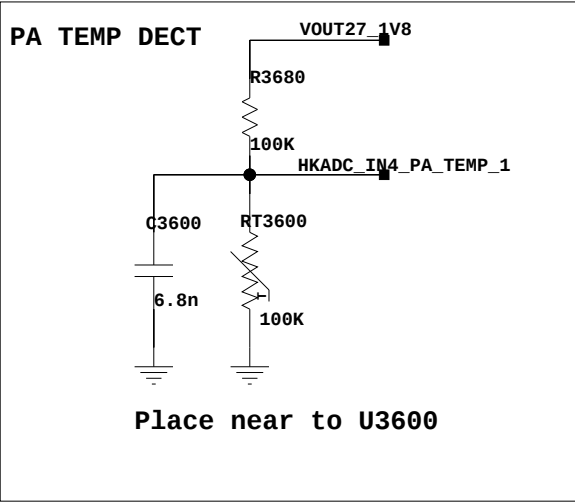
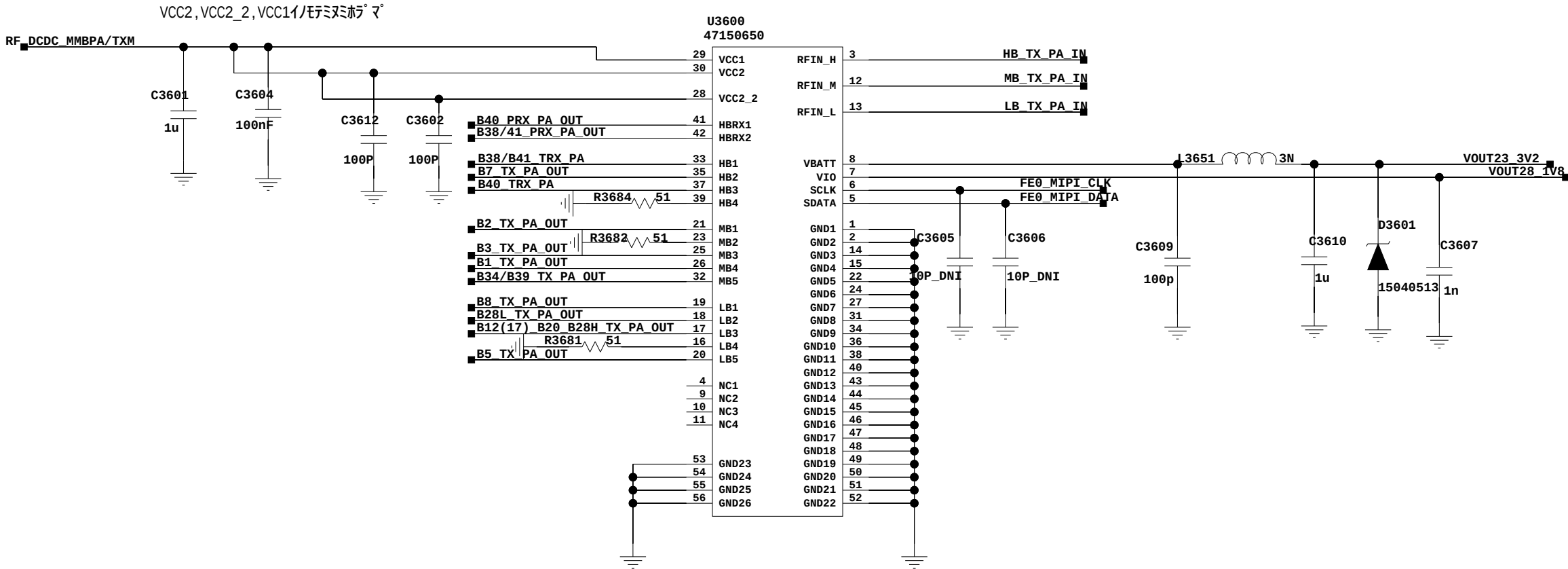


The type and specification of the components refer to the BOM

|          |                     |           |             |                     |            |
|----------|---------------------|-----------|-------------|---------------------|------------|
|          |                     |           |             |                     |            |
|          |                     |           |             |                     | 2015-12-26 |
|          |                     |           |             | ECA NO              | DATE       |
| DESIGNED | gumingpeng 00358948 | NOVA3I NA |             | 03024GXE_SCHZH      |            |
|          |                     |           |             |                     |            |
| REVIEWED | xujianguo 00312186  |           |             |                     |            |
|          |                     | VER       | PART_NUMBER | SHEET 37 OF 60      |            |
|          |                     | A         | 03024GXE    | HUAWEI TECH CO.,LTD |            |
|          |                     |           |             |                     |            |

36 MMBPA

Phone Repair  
All Muhammad Almajar  
96777617810

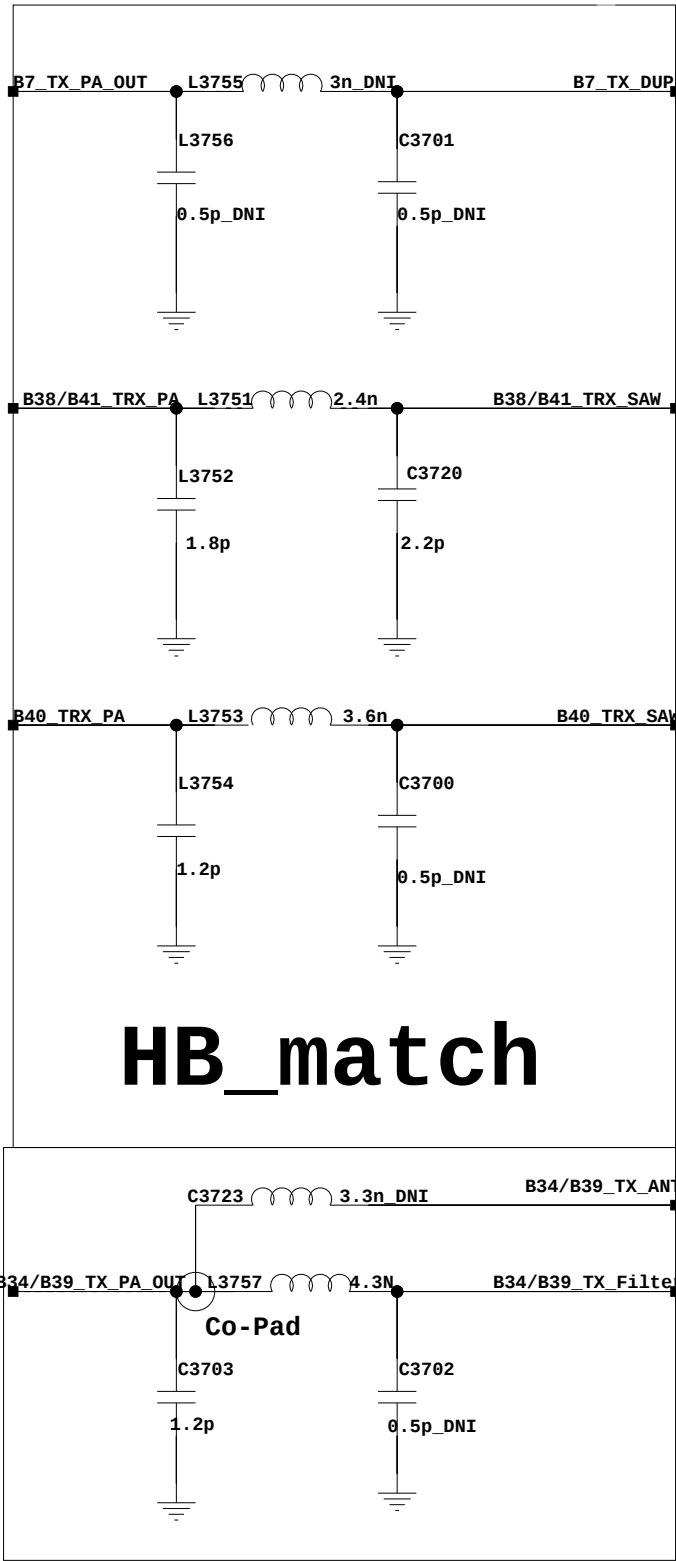
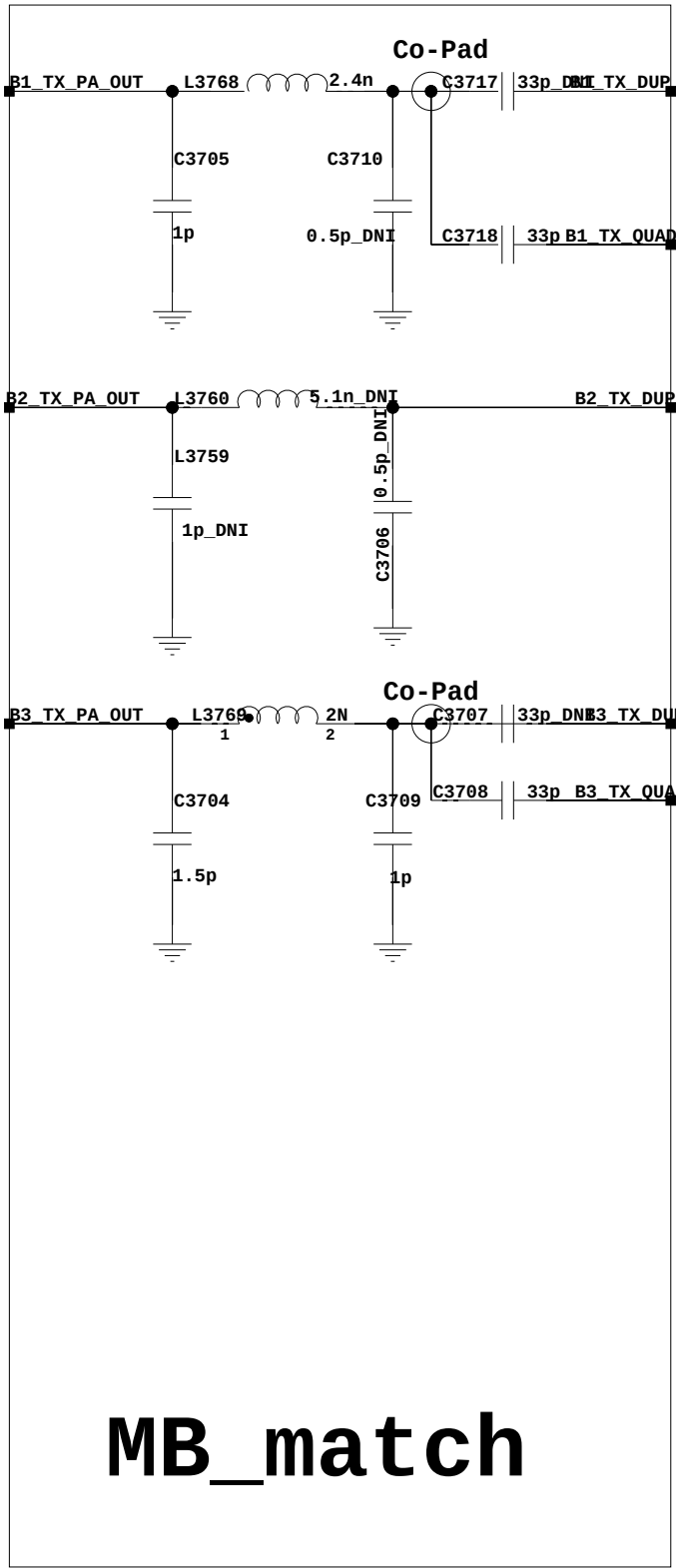
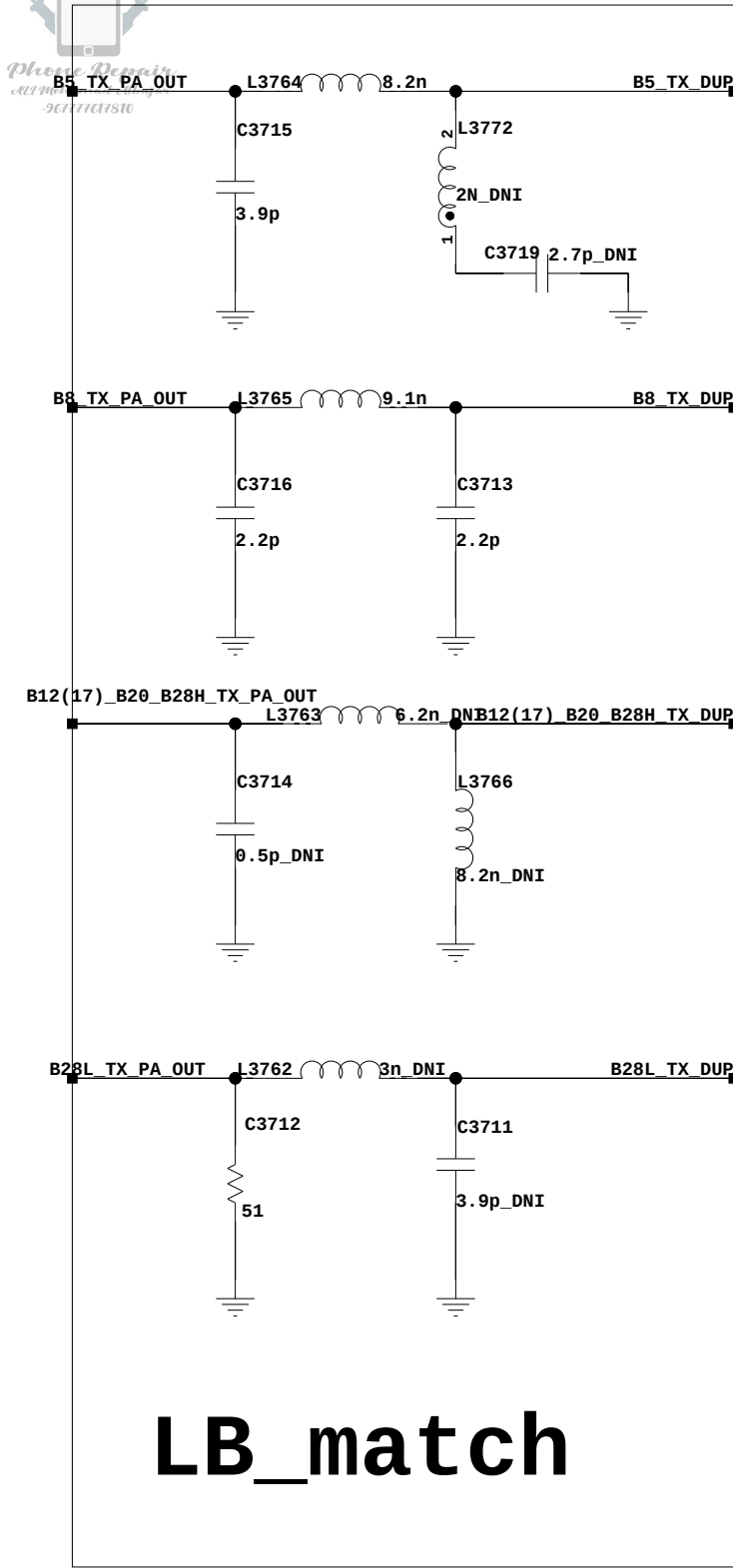


1. 部品銀メッキ機 A) 部品池に絡 7ヶ加サ シヨレPCBホメ 警サノメニツクサ EPA\_TEMP\_DET2;  
2. 部品鋳 EPA\_TEMP\_DET2,ミ麗レコ/幕サSub-TMGニタ/ イ コ 付サ材HKADC\_IN9.

The type and specification of the components refer to the BOM

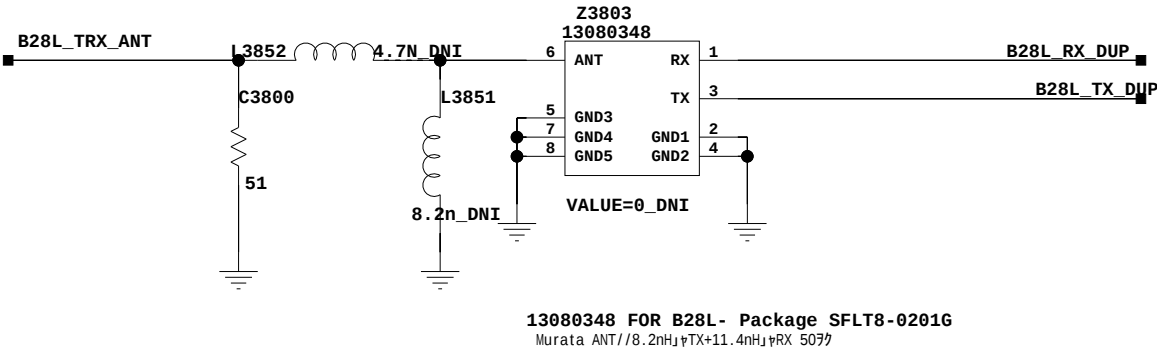
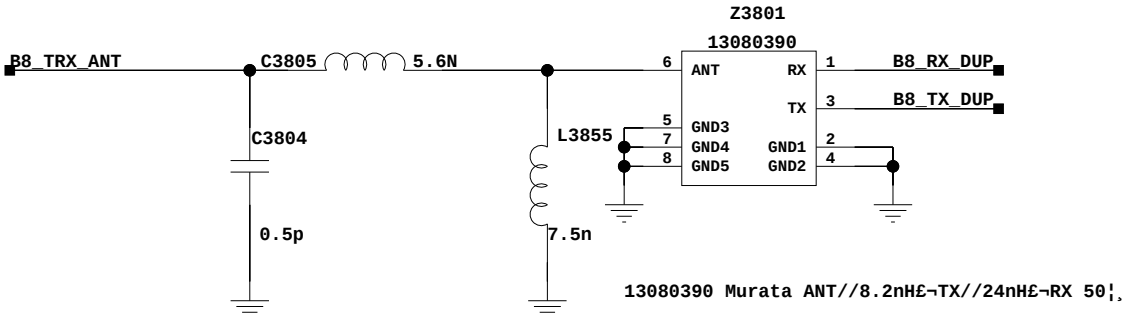
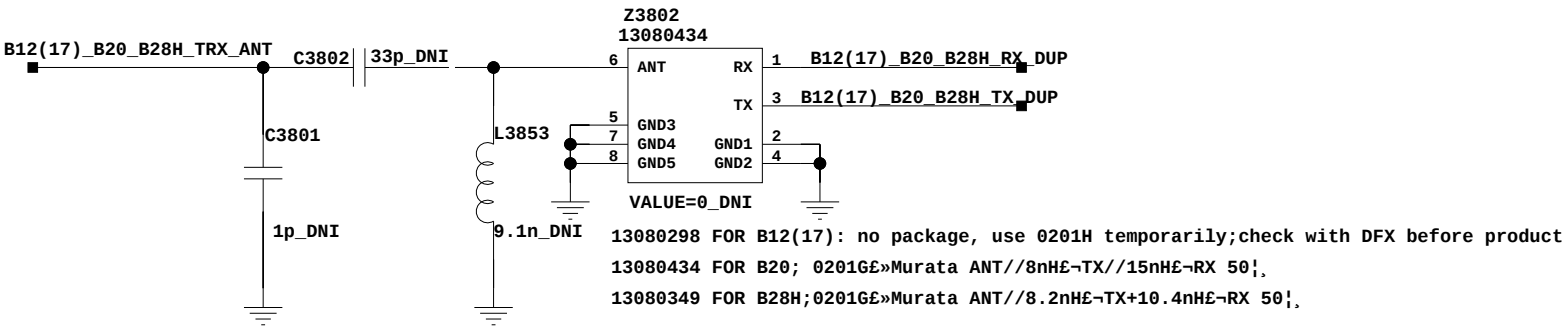
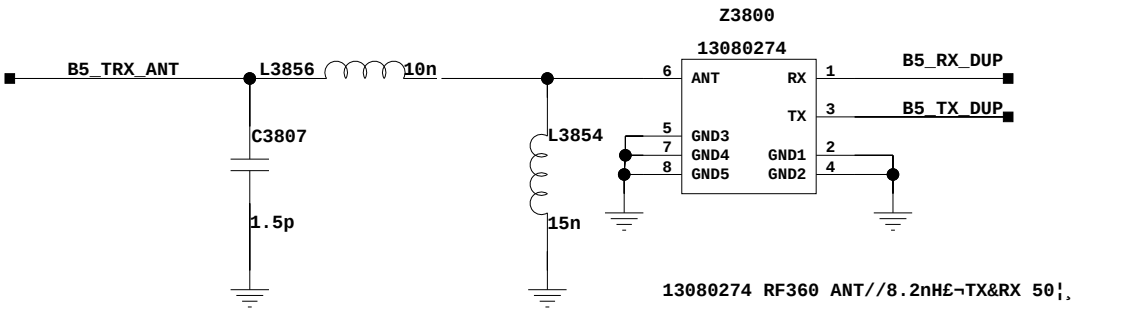
|          |                     |        |             |                      |                    |
|----------|---------------------|--------|-------------|----------------------|--------------------|
|          |                     |        |             |                      |                    |
|          |                     |        |             | ECA NO               | 2016-05-30<br>DATE |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |                    |
| REVIEWED | xujianguo 00312186  |        |             |                      |                    |
|          |                     | VER    | PART_NUMBER | SHEET 34 OF 60       |                    |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |                    |

37.TX\_Loadpull



|                                                               |                     |     |             |                          |            |
|---------------------------------------------------------------|---------------------|-----|-------------|--------------------------|------------|
| The type and specification of the components refer to the BOM |                     |     |             |                          |            |
|                                                               |                     |     |             |                          |            |
|                                                               |                     |     |             | NA                       | 2015-12-26 |
|                                                               |                     |     |             | ECA NO                   | DATE       |
| DESIGNED                                                      | gumingpeng 00358948 |     |             | NOVA3I<br>03024GXE_SCHZH |            |
|                                                               |                     |     |             |                          |            |
| REVIEWED                                                      | xujianguo 00312186  |     |             |                          |            |
|                                                               |                     | VER | PART_NUMBER | SHEET 37 OF 60           |            |
|                                                               |                     | A   | 03024GXE    | HUAWEI TECH CO.,LTD      |            |
|                                                               |                     |     |             |                          |            |

38 TRX\_LB\_1



The type and specification of the components refer to the BOM

|          |                     |        |             |                      |      |
|----------|---------------------|--------|-------------|----------------------|------|
|          |                     |        |             | NA                   |      |
|          |                     |        |             | ECA NO               | DATE |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |      |
| REVIEWED | xujianguo 00312186  |        |             |                      |      |
|          |                     | VER    | PART_NUMBER | SHEET 38 OF 60       |      |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |      |

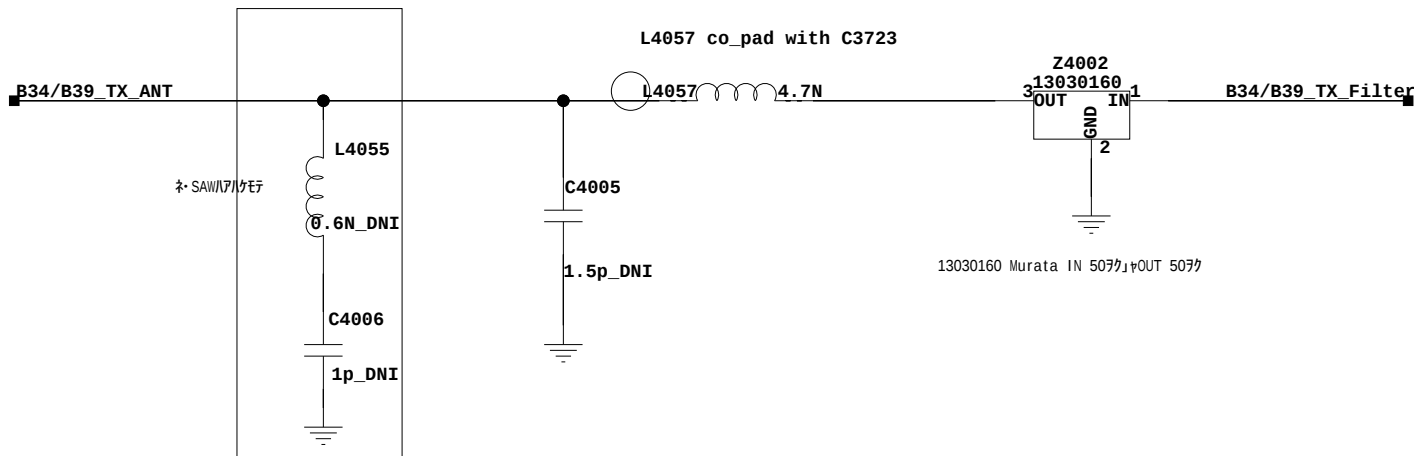
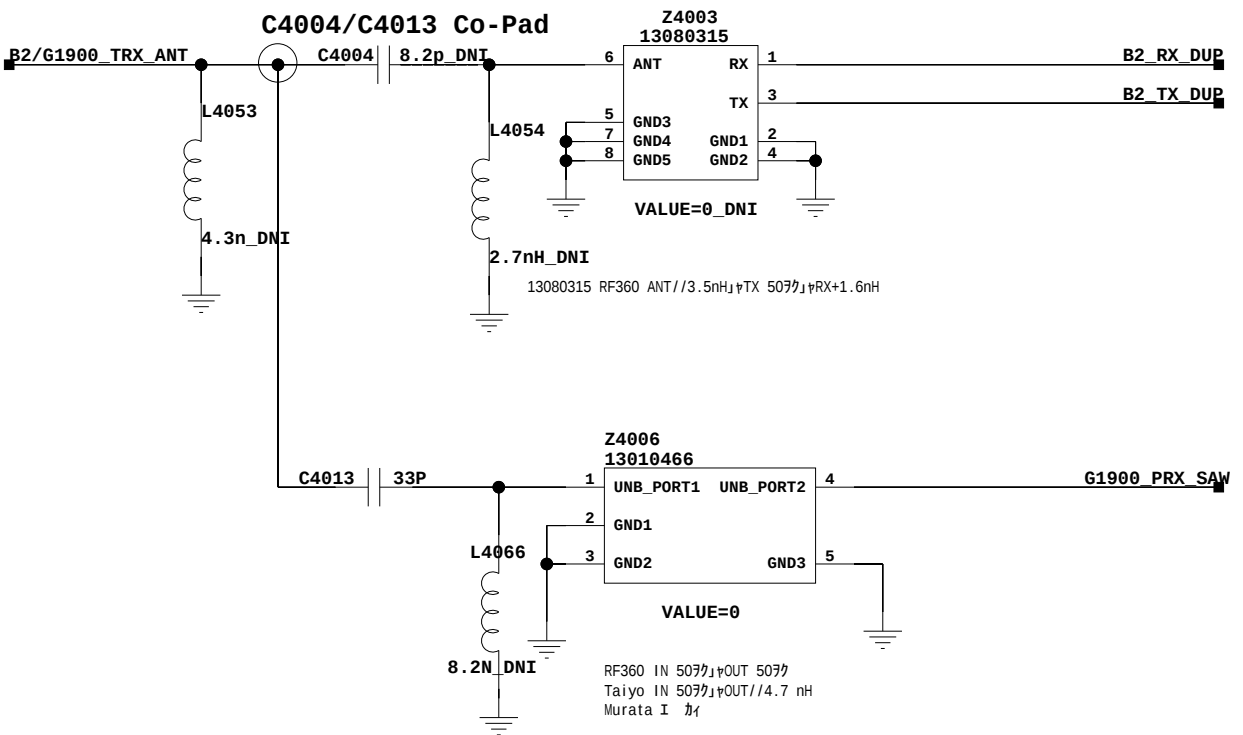
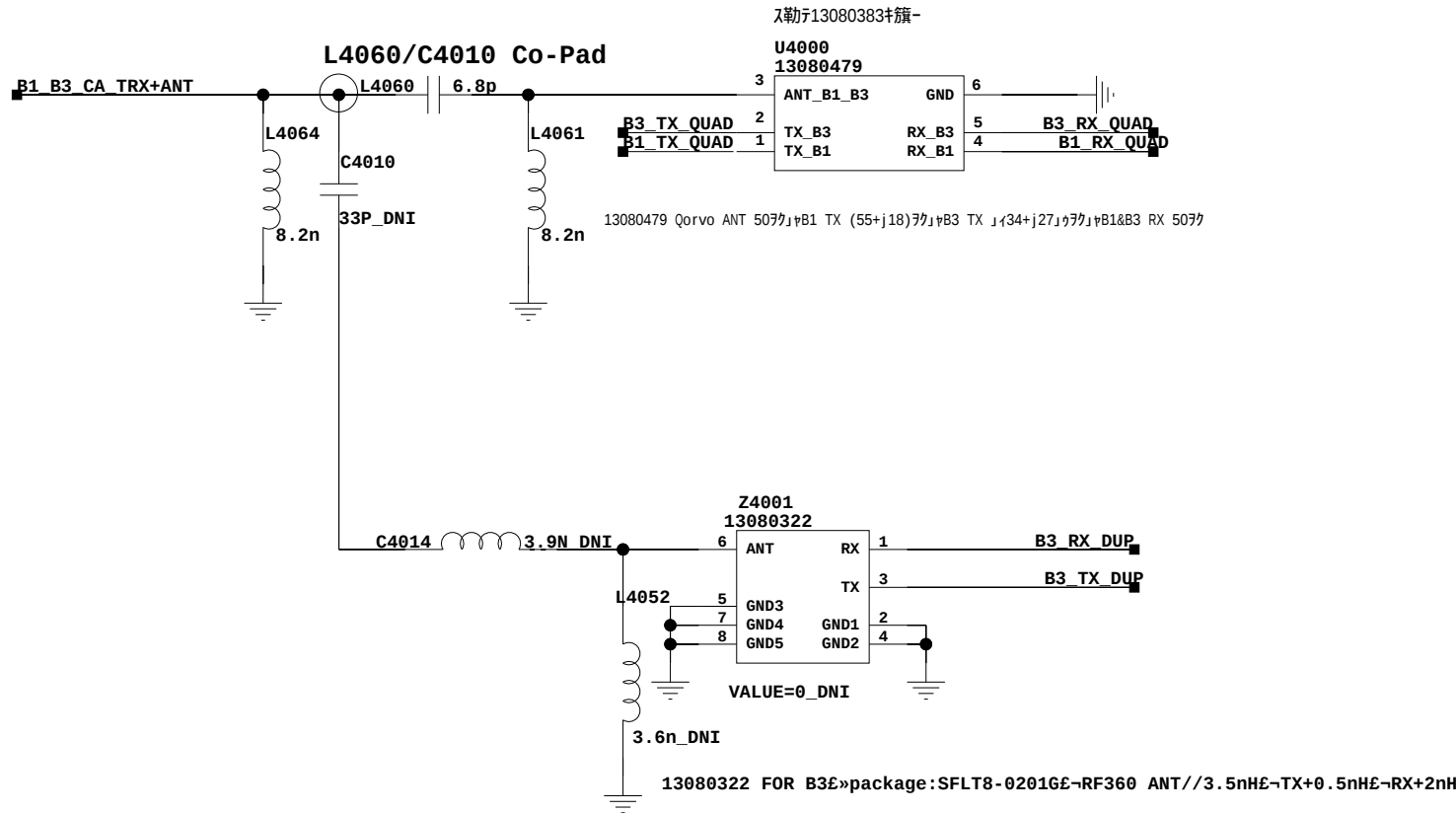
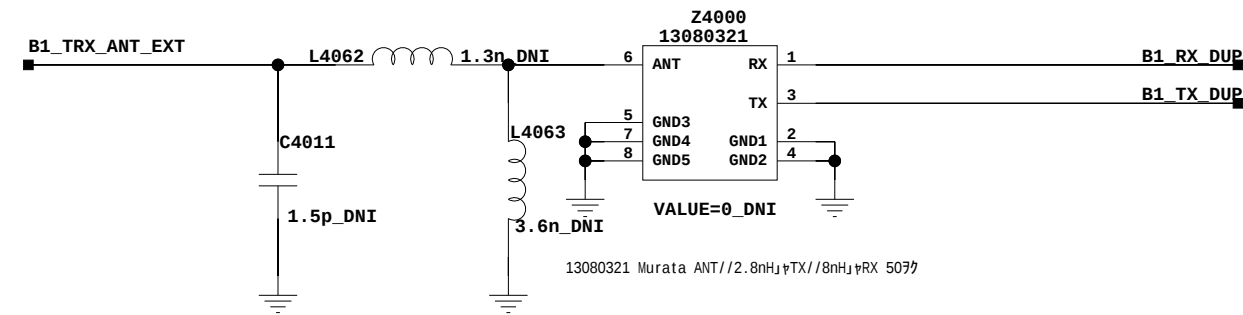
39 TRX\_LB\_2



The type and specification of the components refer to the BOM

|          |                     |     |             |                       |            |
|----------|---------------------|-----|-------------|-----------------------|------------|
|          |                     |     |             |                       |            |
|          |                     |     |             | NA                    | 2017/01/01 |
|          |                     |     |             | ECA NO                | DATE       |
| DESIGNED | gumingpeng 00358948 |     |             | NOVA3I 03024GXE_SCHZH |            |
|          |                     |     |             |                       |            |
| REVIEWED | xujianguo 00312186  |     |             |                       |            |
|          |                     | VER | PART_NUMBER | SHEET 39 OF 60        |            |
|          |                     | A   | 03024GXE    | HUAWEI TECH CO.,LTD   |            |
|          |                     |     |             |                       |            |

# 40 TRX\_MB\_1



The type and specification of the components refer to the BOM

|          |                     |        |             |                      |            |
|----------|---------------------|--------|-------------|----------------------|------------|
|          |                     |        |             | NA                   | 2017/01/01 |
|          |                     |        |             | ECA NO               | DATE       |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |            |
| REVIEWED | xujianguo 00312186  |        |             |                      |            |
|          |                     | VER    | PART_NUMBER | SHEET 40 OF 60       |            |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |            |

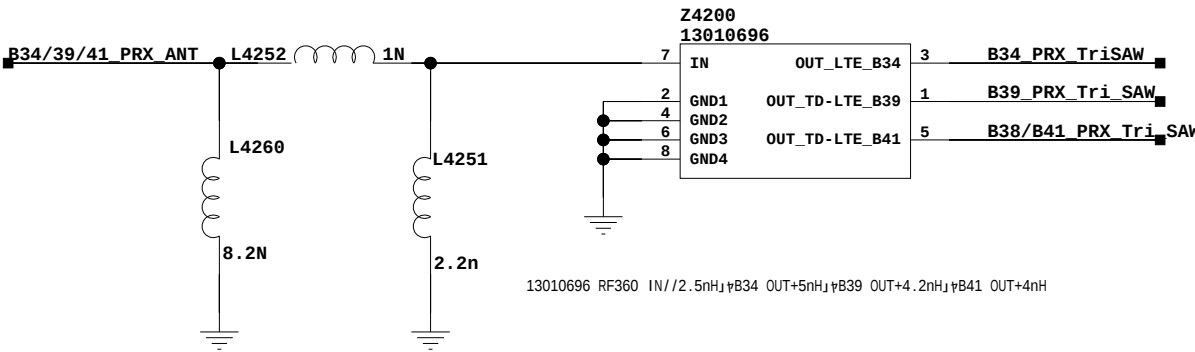
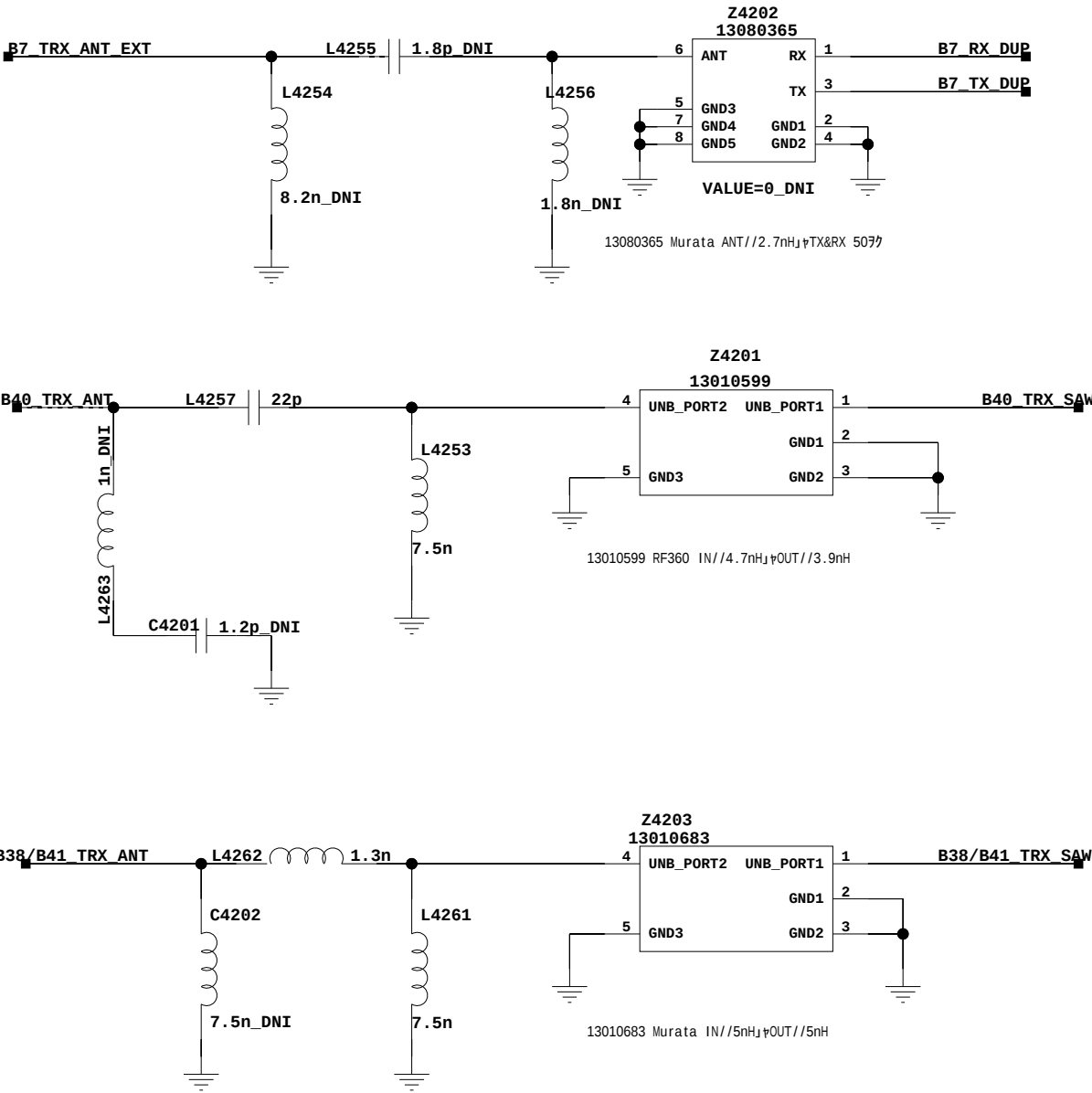


## 41 TRX\_MB\_2

The type and specification of the components refer to the BOM

|          |                     |        |             |                      |            |
|----------|---------------------|--------|-------------|----------------------|------------|
|          |                     |        |             | NA                   | 2017/01/01 |
|          |                     |        |             | ECA NO               | DATE       |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |            |
|          |                     |        |             |                      |            |
| REVIEWED | xujianguo 00312186  |        |             |                      |            |
|          |                     | VER    | PART_NUMBER | SHEET 41 OF 60       |            |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |            |
|          |                     |        |             |                      |            |

42 TRX\_HB\_1



The type and specification of the components refer to the BOM

|          |                     |     |             |                      |            |
|----------|---------------------|-----|-------------|----------------------|------------|
|          |                     |     |             | NA                   | 2017/01/01 |
|          |                     |     |             | ECA NO               | DATE       |
| DESIGNED | gumingpeng 00358948 |     |             | NOVA3I               |            |
| REVIEWED | xujianguo 00312186  |     |             | 03024GXE_SCHZH       |            |
|          |                     | VER | PART_NUMBER | SHEET 42 OF 60       |            |
|          |                     | A   | 03024GXE    | HUAWEI TECH CO.,LTD. |            |

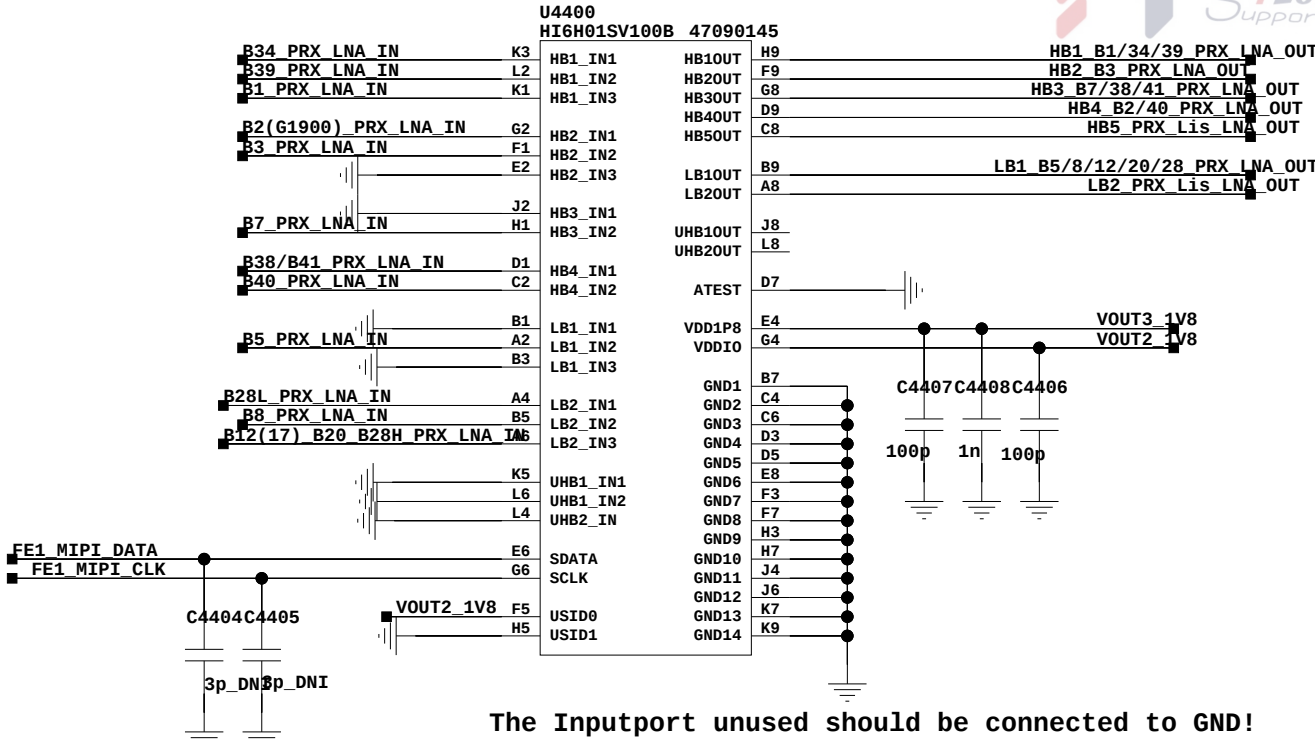
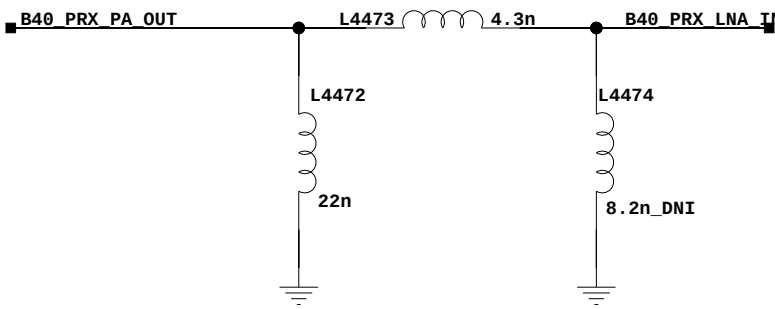
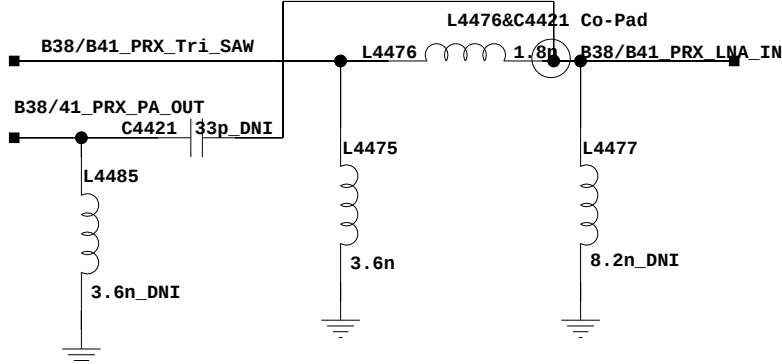
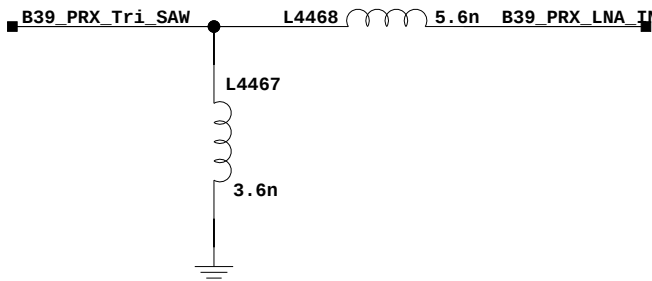
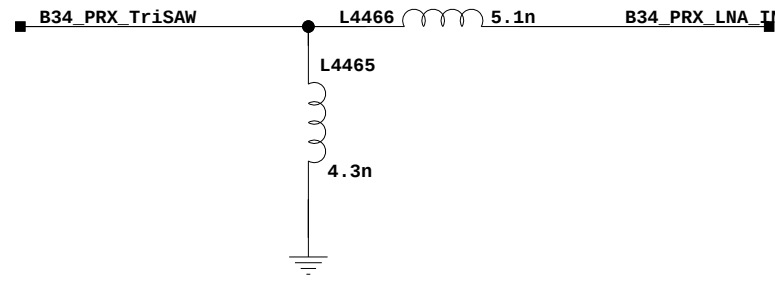
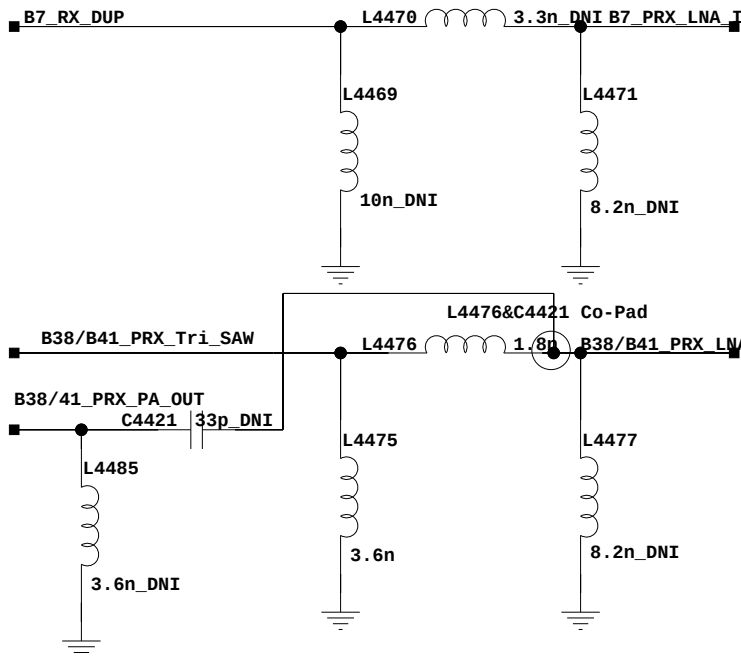
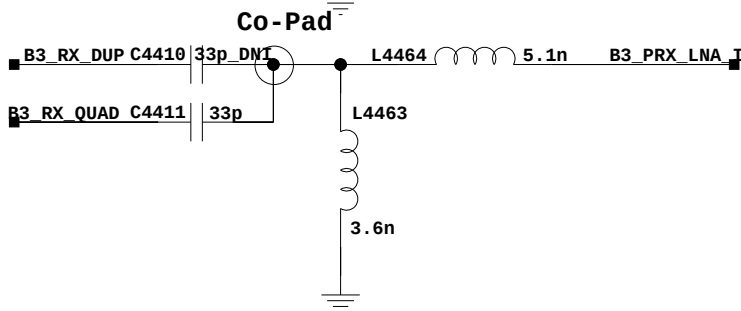
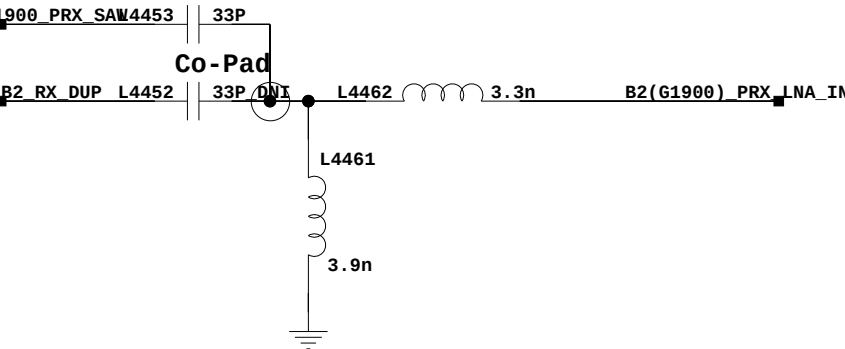
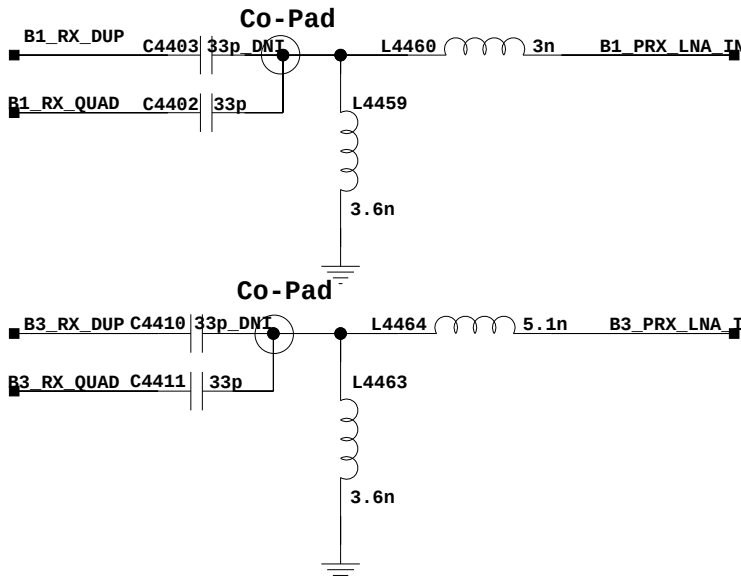
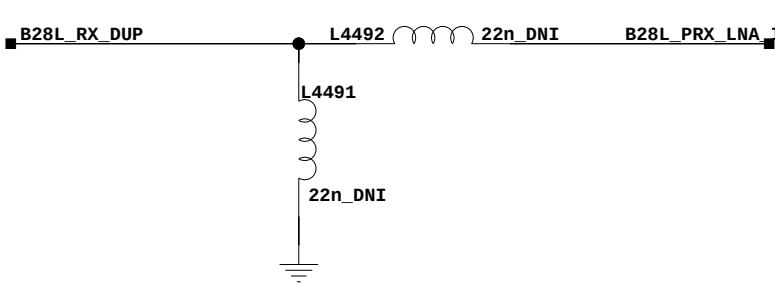
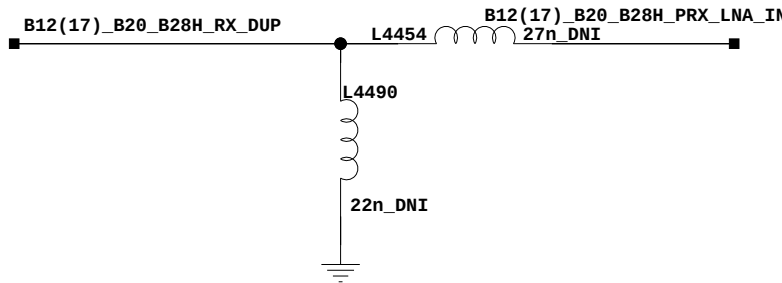
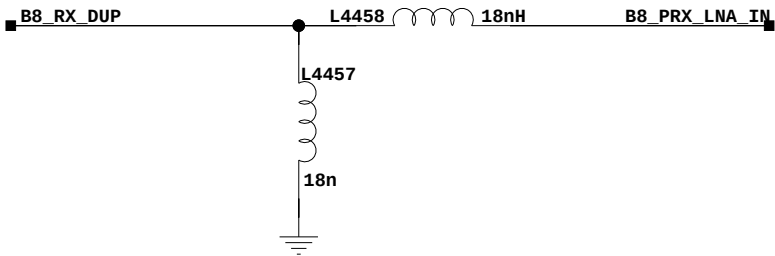
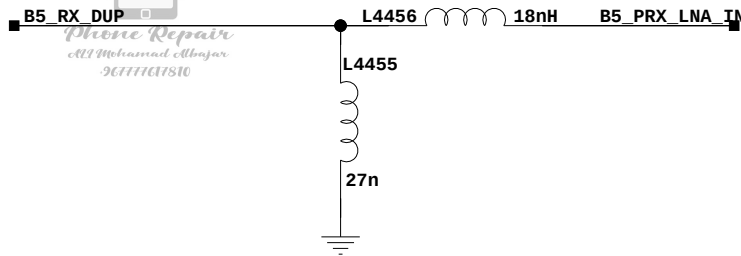
## 43. TRX\_HB\_2



The type and specification of the components refer to the BOM

|          |                     |        |             |                      |            |
|----------|---------------------|--------|-------------|----------------------|------------|
|          |                     |        |             | NA                   | 2017/01/01 |
|          |                     |        |             | ECA NO               | DATE       |
| DESIGNED | gumingpeng 00358948 | NOVA3I |             | 03024GXE_SCHZH       |            |
|          |                     |        |             |                      |            |
| REVIEWED | xujianguo 00312186  |        |             |                      |            |
|          |                     | VER    | PART_NUMBER | SHEET 43 OF 60       |            |
|          |                     | A      | 03024GXE    | HUAWEI TECH CO.,LTD. |            |
|          |                     |        |             |                      |            |

44. PRX\_LNA\_Module

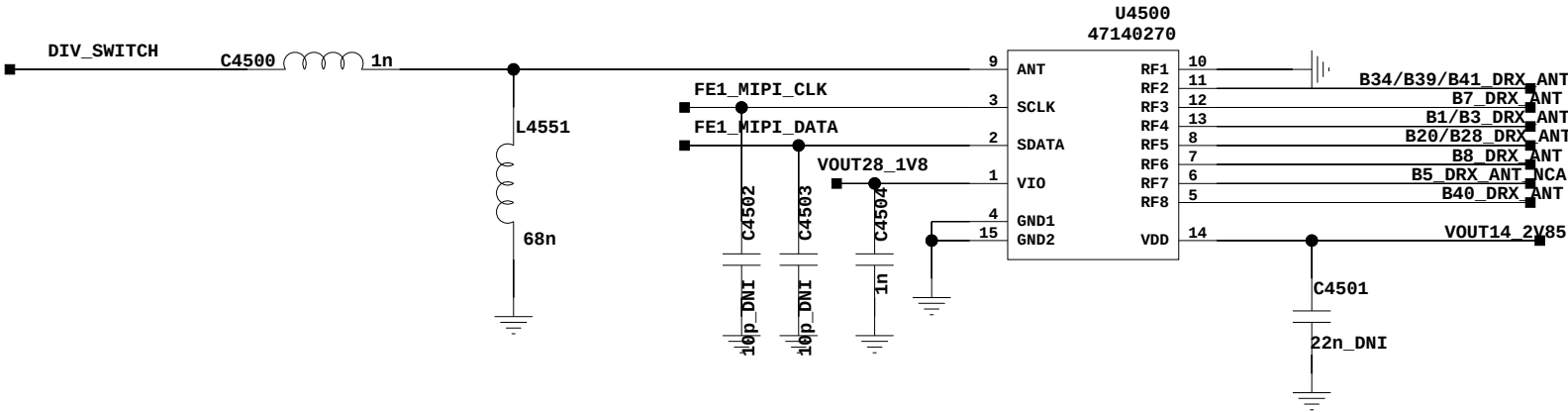


| 6H01 Frequency Range  |              |
|-----------------------|--------------|
| LB1_IN1               | 460-895MHz   |
| LB1_IN2-3, LB2_IN_1-3 | 703-960MHz   |
| HB1_IN1-3             | 1447-2200MHz |
| HB2_IN1-3             | 1805-2200MHz |
| HB3_IN1-2             | 2000-2690MHz |
| HB4_IN1-2  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

The type and specification of the components refer to the BOM

|          |        |              |             |                          |            |
|----------|--------|--------------|-------------|--------------------------|------------|
|          |        |              |             | NA                       | 2015-12-26 |
|          |        |              |             | ECA NO                   | DATE       |
| DESIGNED | 3A01±± | Hi6363EVB1VA |             | 00001234                 |            |
| REVIEWED |        |              |             |                          |            |
|          |        | VER          | PART_NUMBER | SHEET 13 AMF3 b30/40 DRX |            |
|          |        | A            | 03030001    | HUAWEI TECH CO.,LTD.     |            |

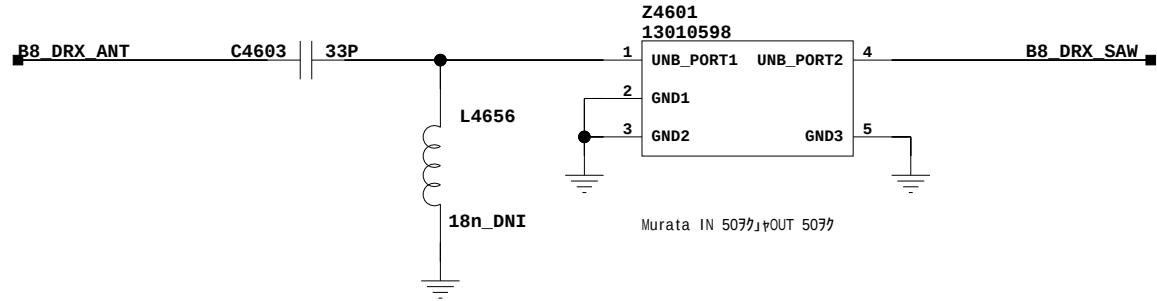
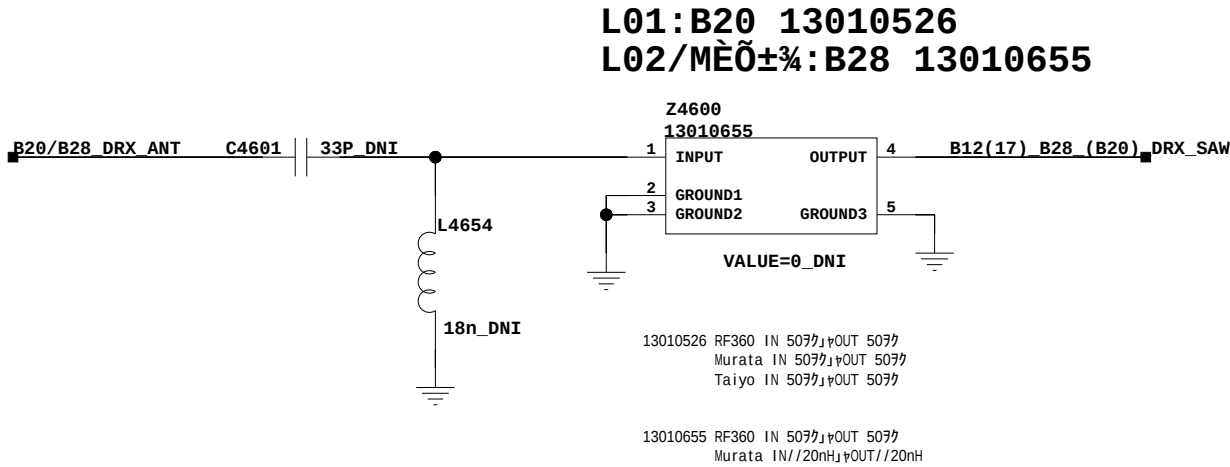
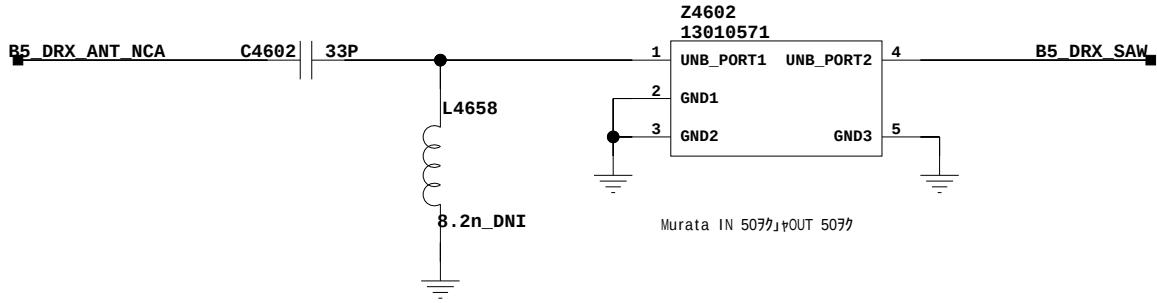
45.DRX\_SWITCH



The type and specification of the components refer to the BOM

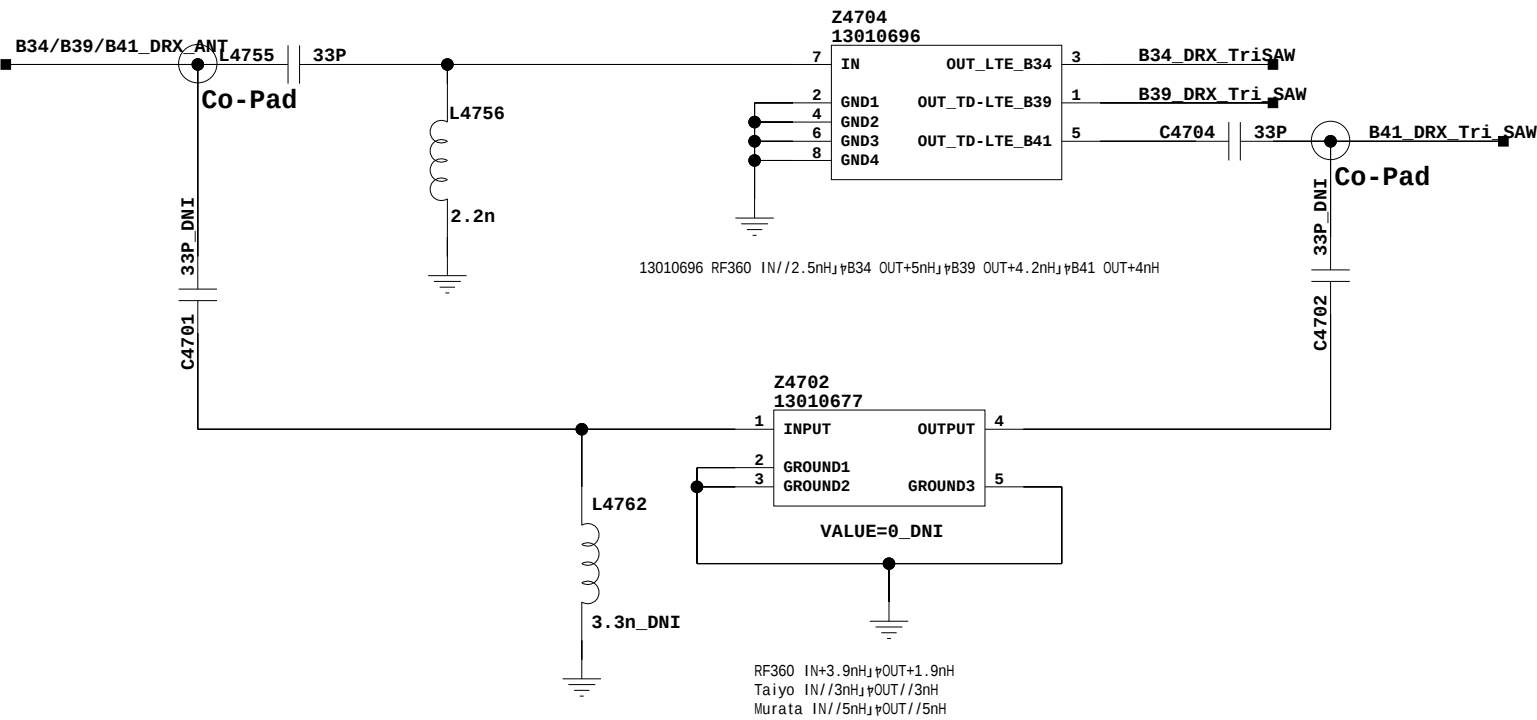
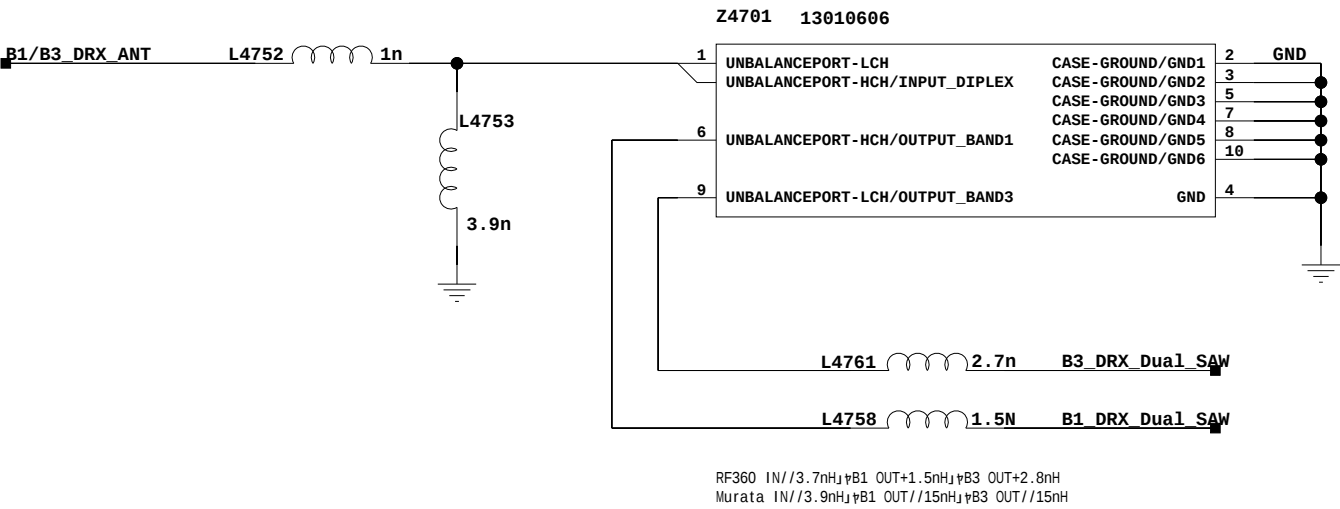
|          |             |              |             |                           |            |
|----------|-------------|--------------|-------------|---------------------------|------------|
|          |             |              |             | NA                        | 2015-12-26 |
|          |             |              |             | ECA NO                    | DATE       |
| DESIGNED | 3 Å Ð i ± ± | Hi6363EVB1VA |             | 00001234                  |            |
| REVIEWED |             |              |             |                           |            |
|          |             | VER          | PART_NUMBER | SHEET 13 AN F3 b30/40 DRX |            |
|          |             | A            | 03030001    | HUAWEI TECH CO.,LTD.      |            |

46.DRX\_LB



The type and specification of the components refer to the BOM

|          |                       |           |             |                     |          |
|----------|-----------------------|-----------|-------------|---------------------|----------|
|          |                       |           |             |                     |          |
|          |                       |           |             | NA                  | 20140523 |
|          |                       |           |             | ECA NO              | DATE     |
| DESIGNED | yuanhailin/00265042   | HL1ACLUBM |             |                     |          |
|          |                       |           |             |                     |          |
| REVIEWED | yangjiangtao/00141174 |           |             |                     |          |
|          |                       | VER       | PART_NUMBER | SHEET 46 OF 60      |          |
|          |                       | A         | 03022MYN    | HUAWEI TECH CO.,LTD |          |
|          |                       |           |             |                     |          |

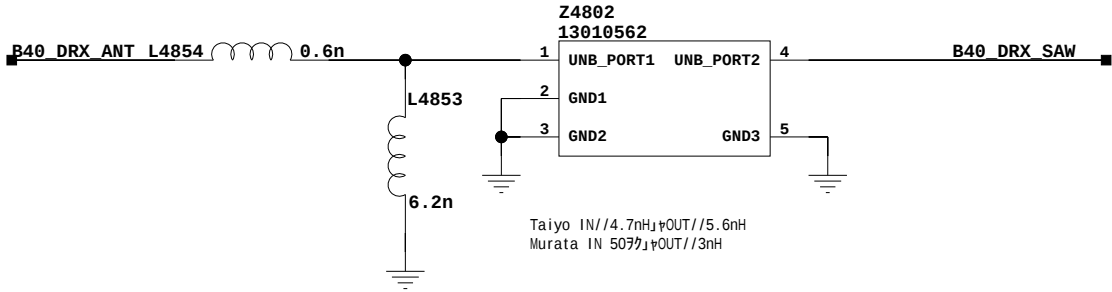
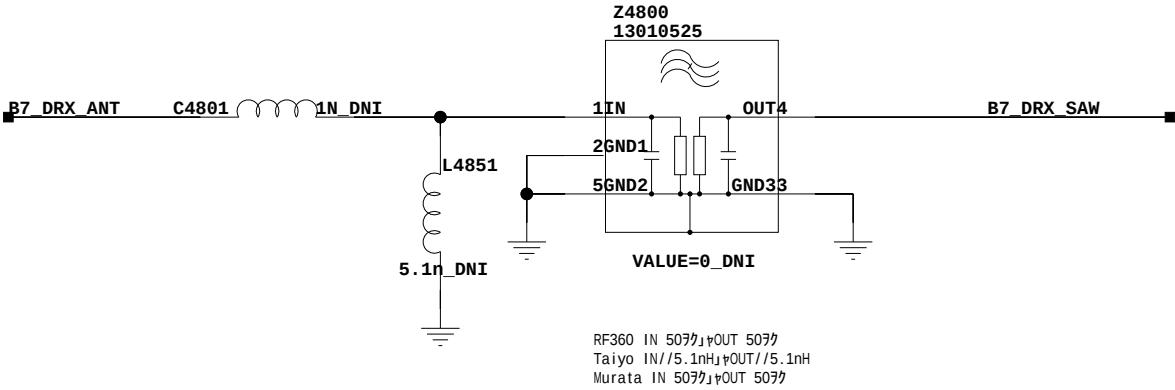


The type and specification of the components refer to the BOM

|          |                       |           |             |                      |      |
|----------|-----------------------|-----------|-------------|----------------------|------|
|          |                       |           |             | NA                   |      |
|          |                       |           |             | ECA NO               | DATE |
| DESIGNED | yuanhailin/00265042   | HL1ACLUBM |             | 00001234             |      |
| REVIEWED | yangjiangtao/00141174 |           |             |                      |      |
|          |                       | VER       | PART_NUMBER | SHEET 47 OF 60       |      |
|          |                       | A         | 03022MYN    | HUAWEI TECH CO.,LTD. |      |

48.DRX\_HB

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All Mohamed Alhajjar  
96777767810



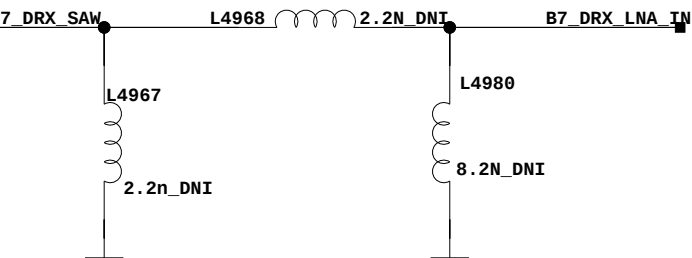
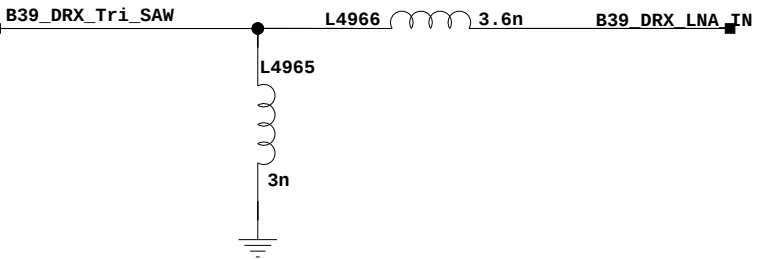
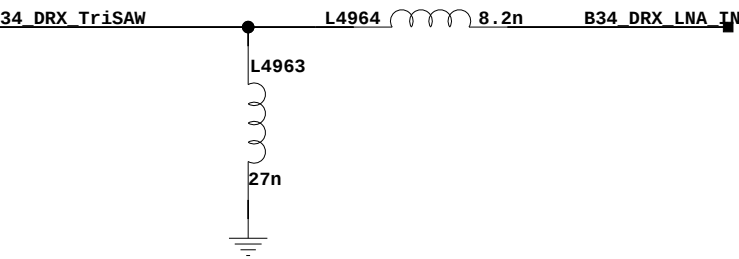
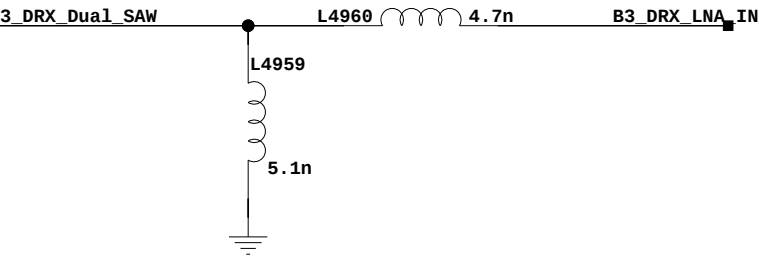
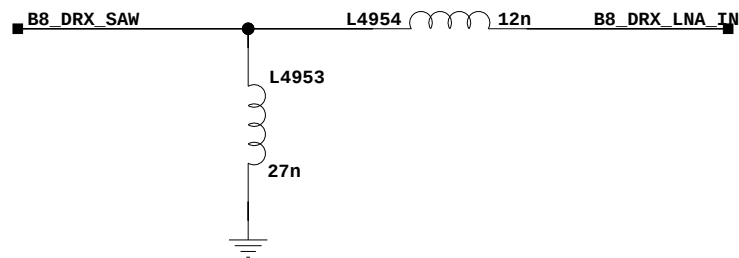
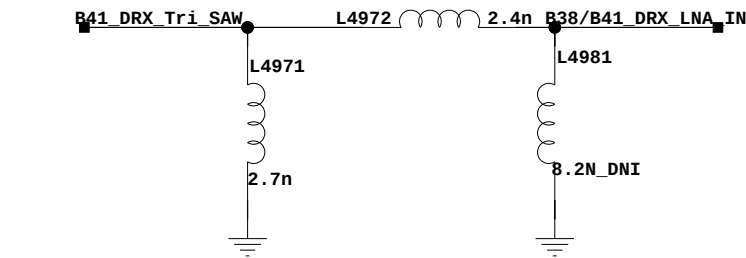
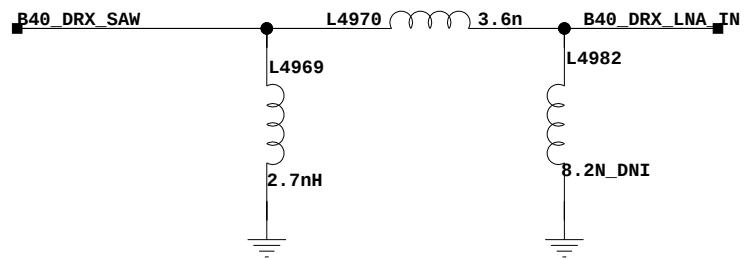
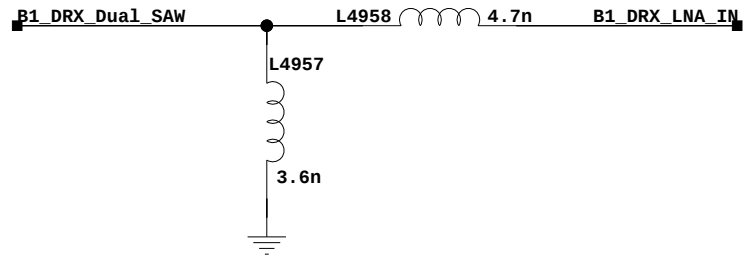
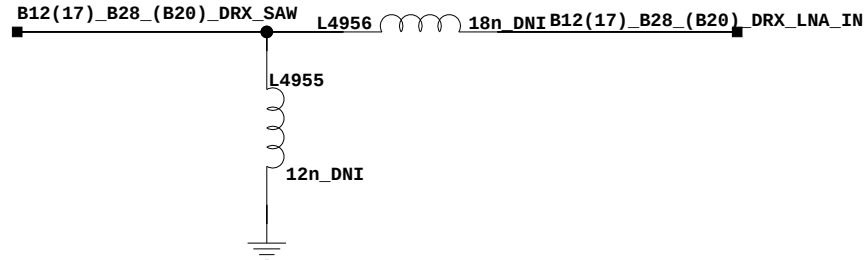
The type and specification of the components refer to the BOM

|          |                     |           |             |                      |          |
|----------|---------------------|-----------|-------------|----------------------|----------|
|          |                     |           |             |                      |          |
|          |                     |           |             |                      | 20160108 |
|          |                     |           |             | ECA NO               | DATE     |
| DESIGNED | ZHANGCHAO 00361235  | HL1ACLUBM |             | 03023RPL_SCHZH       |          |
| REVIEWED | SHUYINGFEI 00186183 |           |             |                      |          |
|          |                     | VER       | PART_NUMBER | SHEET 48 OF 60       |          |
|          |                     | A         | 03023RPL    | HUAWEI TECH CO.,LTD. |          |

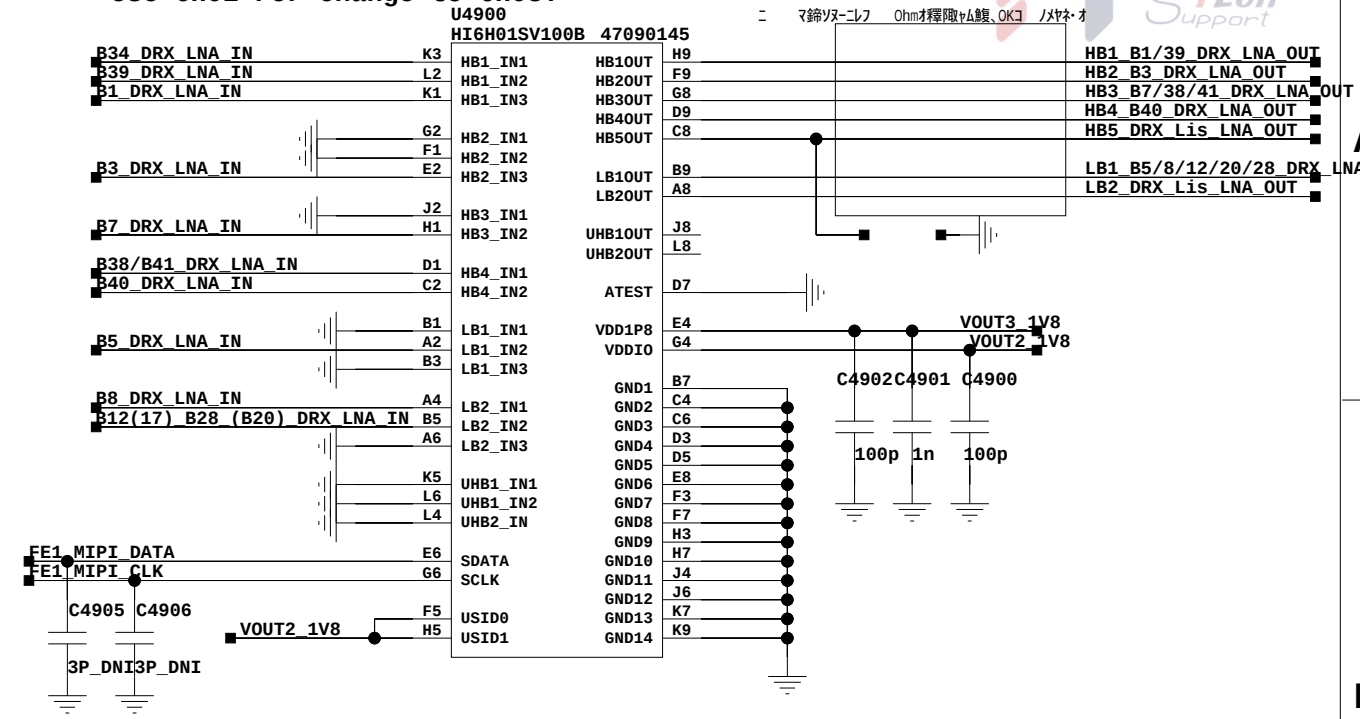
49.

B5\_DRX\_SAW

Phone Repair  
Ali Muhammad Alhajar  
96777617810



**Use 6H01 For change to 6H03!**



|                              |                     |
|------------------------------|---------------------|
| <b>LB1_IN1</b>               | <b>460-895MHZ</b>   |
| <b>LB1_IN2-3, LB2_IN_1-3</b> | <b>703-960MHZ</b>   |
| <b>HB1_IN1-3</b>             | <b>1447-2200MHZ</b> |
| <b>HB2_IN1-3</b>             | <b>1805-2200MHZ</b> |
| <b>HB3_IN1-2</b>             | <b>2000-2690MHZ</b> |
| <b>HB4_IN1-2</b>             | <b>2000-2690MHZ</b> |
| <b>UHB1_IN1, UHB2</b>        | <b>3400-3800MHZ</b> |
| <b>UHB1_IN2</b>              | <b>5150-5925MHZ</b> |

|          |                       |           |             |                      |            |
|----------|-----------------------|-----------|-------------|----------------------|------------|
|          |                       |           |             |                      |            |
|          |                       |           |             | TBD For              | 2014-02-27 |
|          |                       |           |             | ECA NO               | DATE       |
| DESIGNED | yuanhailin/00265042   | HL1ACLUBM |             |                      |            |
| REVIEWED | yangjiangtao/00141174 |           |             |                      |            |
|          |                       | VER       | PART_NUMBER | SHEET 49 OF 60       |            |
|          |                       | B         | 0302XXXX    | HUAWEI TECH CO.,LTD. |            |
|          |                       |           |             |                      |            |

|          |                       |           |             |                      |            |
|----------|-----------------------|-----------|-------------|----------------------|------------|
|          |                       |           |             |                      |            |
|          |                       |           |             | TBD For              | 2014-02-27 |
|          |                       |           |             | ECA NO               | DATE       |
| DESIGNED | yuanhailin/00265042   | HL1ACLUBM |             |                      |            |
| REVIEWED | yangjiangtao/00141174 |           |             |                      |            |
|          |                       | VER       | PART_NUMBER | SHEET 49 OF 60       |            |
|          |                       | B         | 0302XXXX    | HUAWEI TECH CO.,LTD. |            |
|          |                       |           |             |                      |            |

50. Reserved

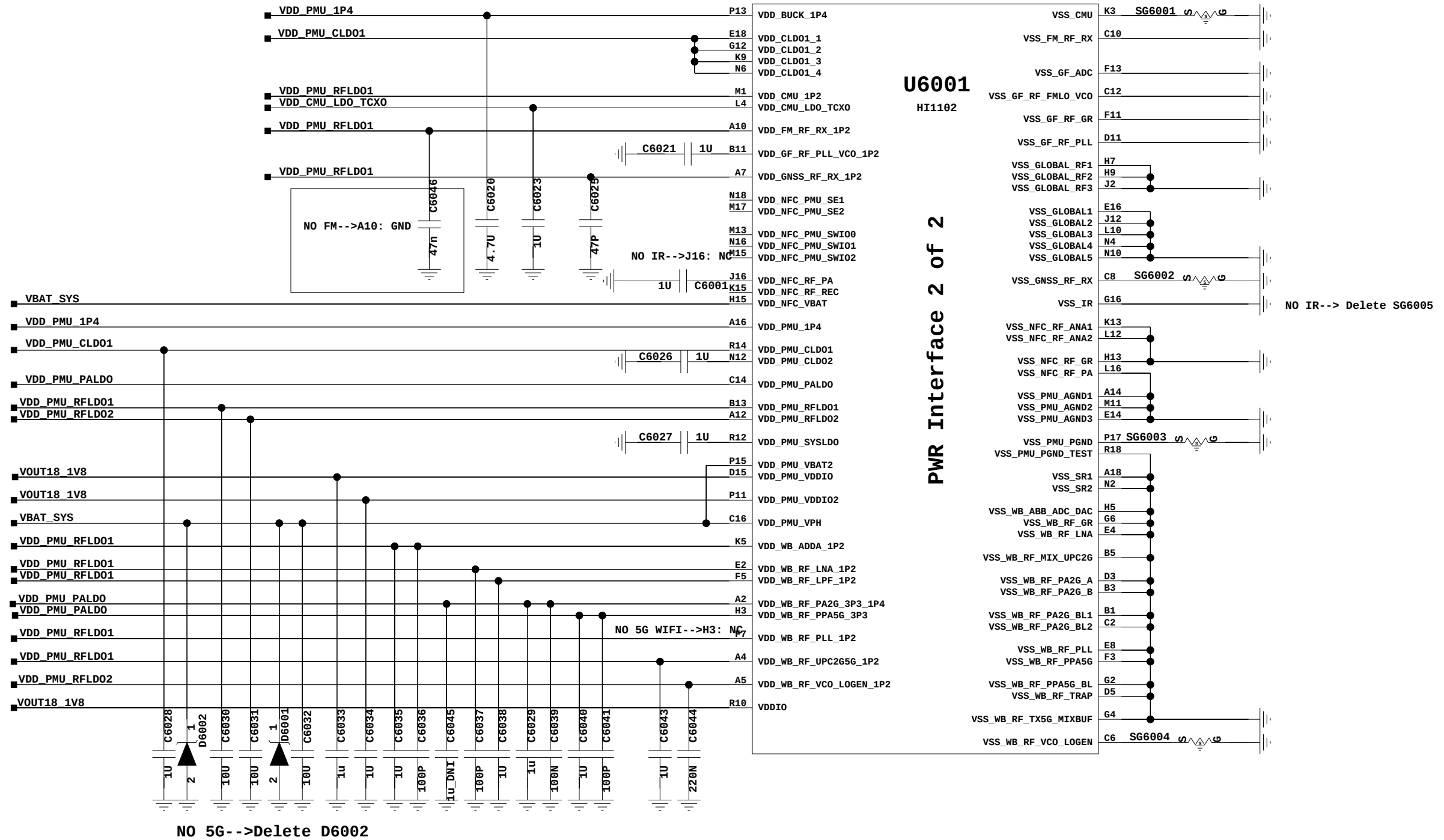


The type and specification of the components refer to the BOM

|          |                       |           |             |                     |            |
|----------|-----------------------|-----------|-------------|---------------------|------------|
|          |                       |           |             |                     |            |
|          |                       |           |             | TBD For             | 2014-02-27 |
|          |                       |           |             | ECA NO              | DATE       |
| DESIGNED | yuanhailin/00265042   | HL1ACLUBM |             |                     |            |
| REVIEWED | yangjiangtao/00141174 |           |             |                     |            |
|          |                       | VER       | PART_NUMBER | SHEET 50 OF 60      |            |
|          |                       | B         | 0302XXXX    | HUAWEI TECH CO.,LTD |            |
|          |                       |           |             |                     |            |

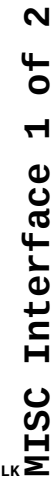


# 60 NC\_POWER



The type and specification of the components refer to the BOM

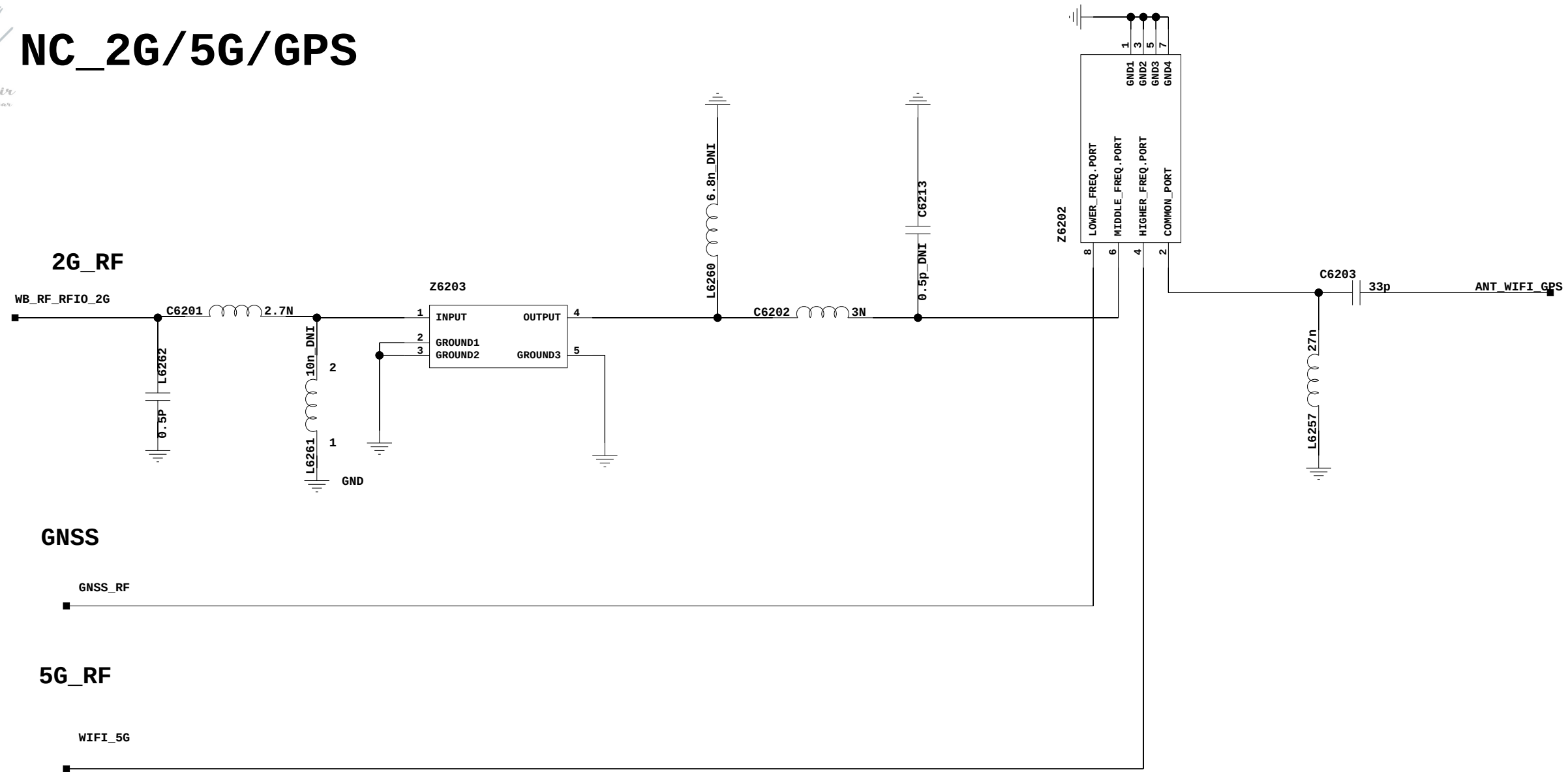
|          |                      |         |             |                      |                 |
|----------|----------------------|---------|-------------|----------------------|-----------------|
|          |                      |         |             | HL1BLNM              | 2015-11-10      |
|          |                      |         |             | ECA NO               | DATE            |
| DESIGNED | Yangyukun 00258672   | HL1DUKM |             | 03024CPX_SCHZH       |                 |
| REVIEWED | Liuwencheng 00337443 |         |             |                      |                 |
|          |                      | VER     | PART_NUMBER | SHEET                | 52_HI1102_POWER |
|          |                      | B       | 03024CPX    | HUAWEI TECH CO.,LTD. |                 |



|          |                      |         |             |                      |              |
|----------|----------------------|---------|-------------|----------------------|--------------|
|          |                      |         |             |                      |              |
|          |                      |         |             | HL1BLNM              | 2015-11-10   |
|          |                      |         |             | ECA NO               | DATE         |
| DESIGNED | Yangyukun 00258672   | HL1DUKM |             | 03024CPX_SCHZH       |              |
|          |                      |         |             |                      |              |
| REVIEWED | Liuwencheng 00337443 |         |             |                      |              |
|          |                      | VER     | PART_NUMBER | SHEET                | 53_HDF1026BB |
|          |                      | B       | 03024CPX    | HUAWEI TECH CO.,LTD. |              |
|          |                      |         |             |                      |              |



# 62 NC\_2G/5G/GPS

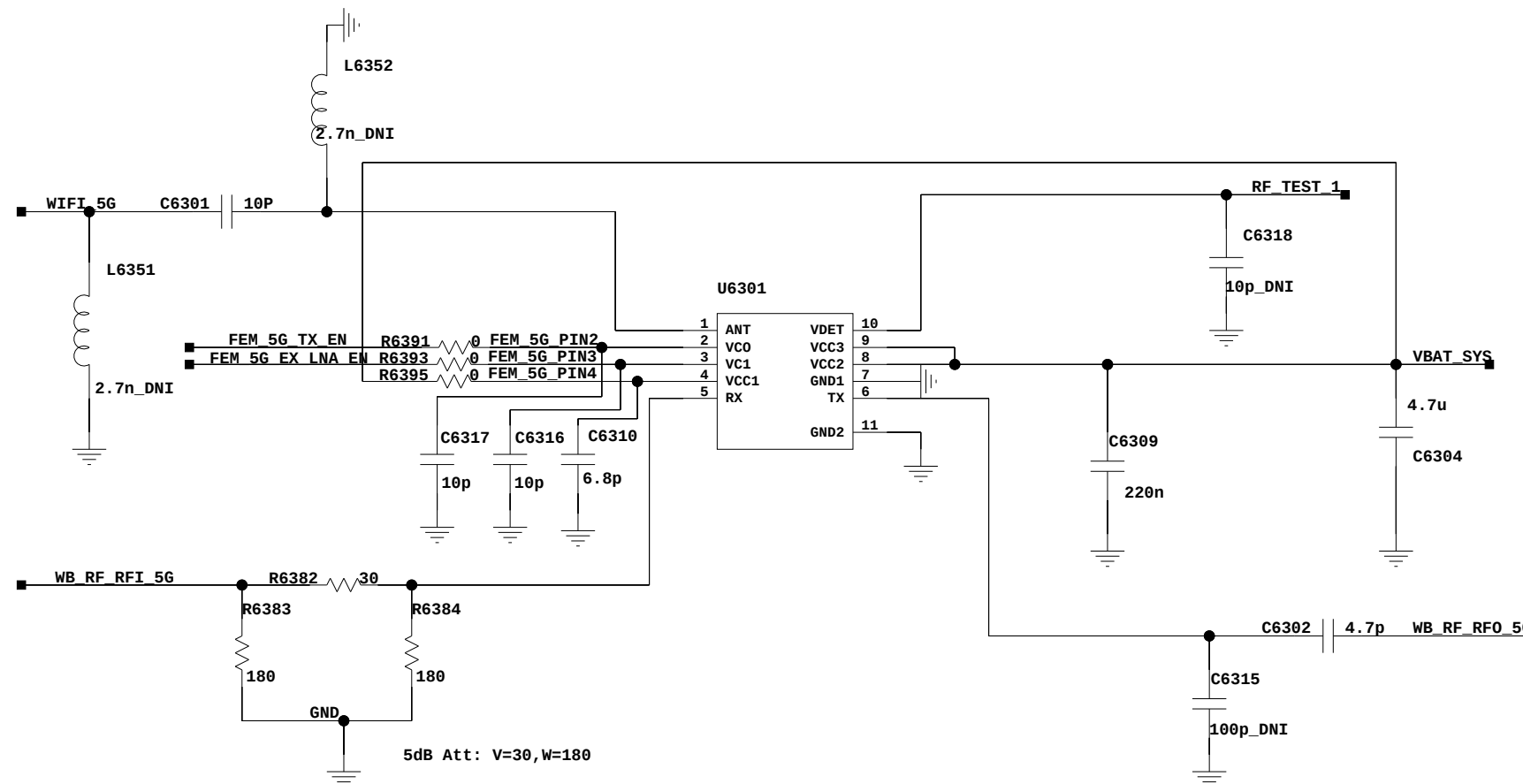


The type and specification of the components refer to the BOM

|          |                    |         |             |                      |                      |
|----------|--------------------|---------|-------------|----------------------|----------------------|
|          |                    |         |             | HL1BLNM              | 2015-11-10           |
|          |                    |         |             | ECA NO               | DATE                 |
| DESIGNED | HEQUANTAO 00278224 | HL1DUKM |             | 03023NDR_SCHZH       |                      |
| REVIEWED | LIZHAO 00213340    |         |             |                      |                      |
|          |                    | VER     | PART_NUMBER | SHEET                | 54_HD1025RF_FrontEnd |
|          |                    | A       | 03023NDR    | HUAWEI TECH CO.,LTD. |                      |

# 63 NC\_FE\_WIFI\_5G

Phone Repair  
All Mohamed Alhajjar  
9677767810



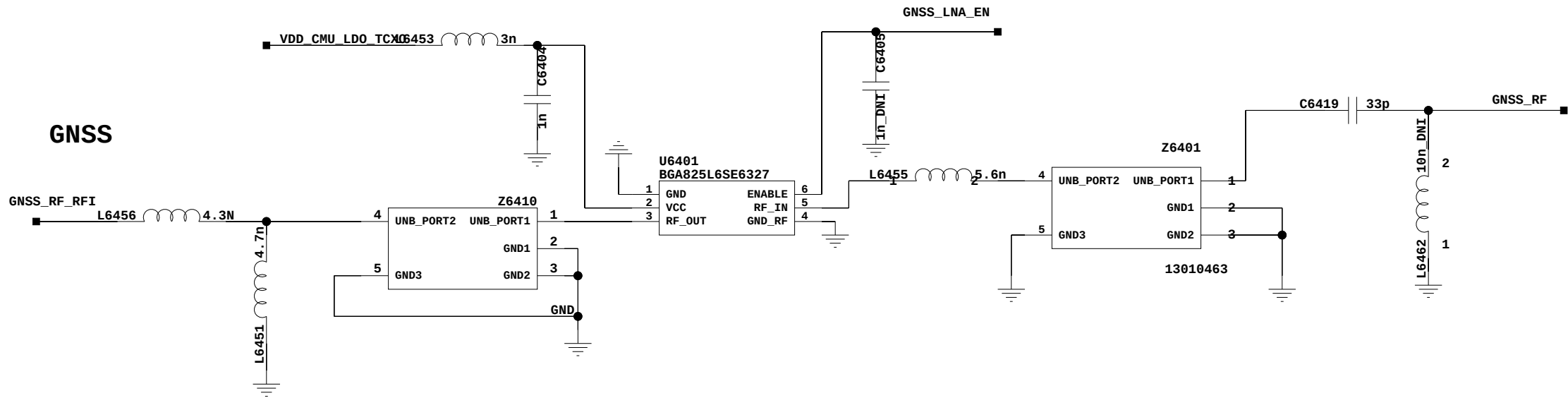
| Reserve For Qorvo RFFM8538 |       |       |             |  |  |
|----------------------------|-------|-------|-------------|--|--|
| FEM 5G TX EN               | R6392 | 0 DNI | FEM 5G PIN4 |  |  |
| FEM 5G EX LNA EN           | R6394 | 0 DNI | FEM 5G PIN2 |  |  |
| VBAT_SYS                   | R6396 | 0 DNI | FEM 5G PIN3 |  |  |

The type and specification of the components refer to the BOM

|          |                    |         |             |                      |                          |
|----------|--------------------|---------|-------------|----------------------|--------------------------|
|          |                    |         |             | HL1BLNM              | 2015-11-10               |
|          |                    |         |             | ECA NO               | DATE                     |
| DESIGNED | HEQUANTAO 00278224 | HL1DUKM |             | 03023NDR_SCHZH       |                          |
| REVIEWED | LIZHAO 00213340    |         |             |                      |                          |
|          |                    | VER     | PART_NUMBER | SHEET                | 55 Hi 102_35 FrontEnd 5G |
|          |                    | A       | 03023NDR    | HUAWEI TECH CO.,LTD. |                          |



# 64 NC\_GPS



The type and specification of the components refer to the BOM

|          |                    |         |             |                      |                      |
|----------|--------------------|---------|-------------|----------------------|----------------------|
|          |                    |         |             | HL1BLNM              | 2015-11-10           |
|          |                    |         |             | ECA NO               | DATE                 |
| DESIGNED | HEQUANTAO 00278224 | HL1DUKM |             | 03023NDR_SCHZH       |                      |
| REVIEWED | LIZHAO 00213340    |         |             |                      |                      |
|          |                    | VER     | PART_NUMBER | SHEET                | 54_HD1025RF_FrontEnd |
|          |                    | A       | 03023NDR    | HUAWEI TECH CO.,LTD. |                      |



65 Reserved



The type and specification of the components refer to the BOM

|          |                      |         |             |                      |             |
|----------|----------------------|---------|-------------|----------------------|-------------|
|          |                      |         |             | NA                   | 20114-01-08 |
|          |                      |         |             | ECA NO               | DATE        |
| DESIGNED | Yangyukun 00258672   | HL1DUKM |             | 03024CPX_SCHZH       |             |
| REVIEWED | Liuwencheng 00337443 |         |             |                      |             |
|          |                      | VER     | PART_NUMBER | SHEET                | 59 REV 60   |
|          |                      | B       | 03024CPX    | HUAWEI TECH CO.,LTD. |             |



66 Reserved

The type and specification of the components refer to the BOM

|          |                      |         |             |                      |             |
|----------|----------------------|---------|-------------|----------------------|-------------|
|          |                      |         |             | NA                   | 20114-01-08 |
|          |                      |         |             | ECA NO               | DATE        |
| DESIGNED | Yangyukun 00258672   | HL1DUKM |             | 03024CPX_SCHZH       |             |
| REVIEWED | Liuwencheng 00337443 |         |             |                      |             |
|          |                      | VER     | PART_NUMBER | SHEET                | 59 REV 60   |
|          |                      | B       | 03024CPX    | HUAWEI TECH CO.,LTD. |             |



67 Reserved

The type and specification of the components refer to the BOM

|          |                      |         |             |                      |             |
|----------|----------------------|---------|-------------|----------------------|-------------|
|          |                      |         |             | NA                   | 20114-01-08 |
|          |                      |         |             | ECA NO               | DATE        |
| DESIGNED | Yangyukun 00258672   | HL1DUKM |             | 03024CPX_SCHZH       |             |
| REVIEWED | Liuwencheng 00337443 |         |             |                      |             |
|          |                      | VER     | PART_NUMBER | SHEET                | 59 REV 60   |
|          |                      | B       | 03024CPX    | HUAWEI TECH CO.,LTD. |             |
|          |                      |         |             |                      |             |



The type and specification of the components refer to the BOM

|          |                      |        |             |                      |                         |
|----------|----------------------|--------|-------------|----------------------|-------------------------|
|          |                      |        |             |                      |                         |
|          |                      |        |             | TBD For              | 2016-7-12               |
|          |                      |        |             | ECA NO               | DATE                    |
| DESIGNED | huawei               | NOVA3I |             | * *                  |                         |
| REVIEWED | fengyingqun/00317730 |        |             |                      |                         |
|          |                      | VER    | PART_NUMBER | SHEET                | 70_A0F_Tu70r_Controller |
|          |                      | B      | **          | HUAWEI TECH CO.,LTD. |                         |
|          |                      |        |             |                      |                         |



div near gnd

Side gnd

DIV Ant Feed

Mid Gnd

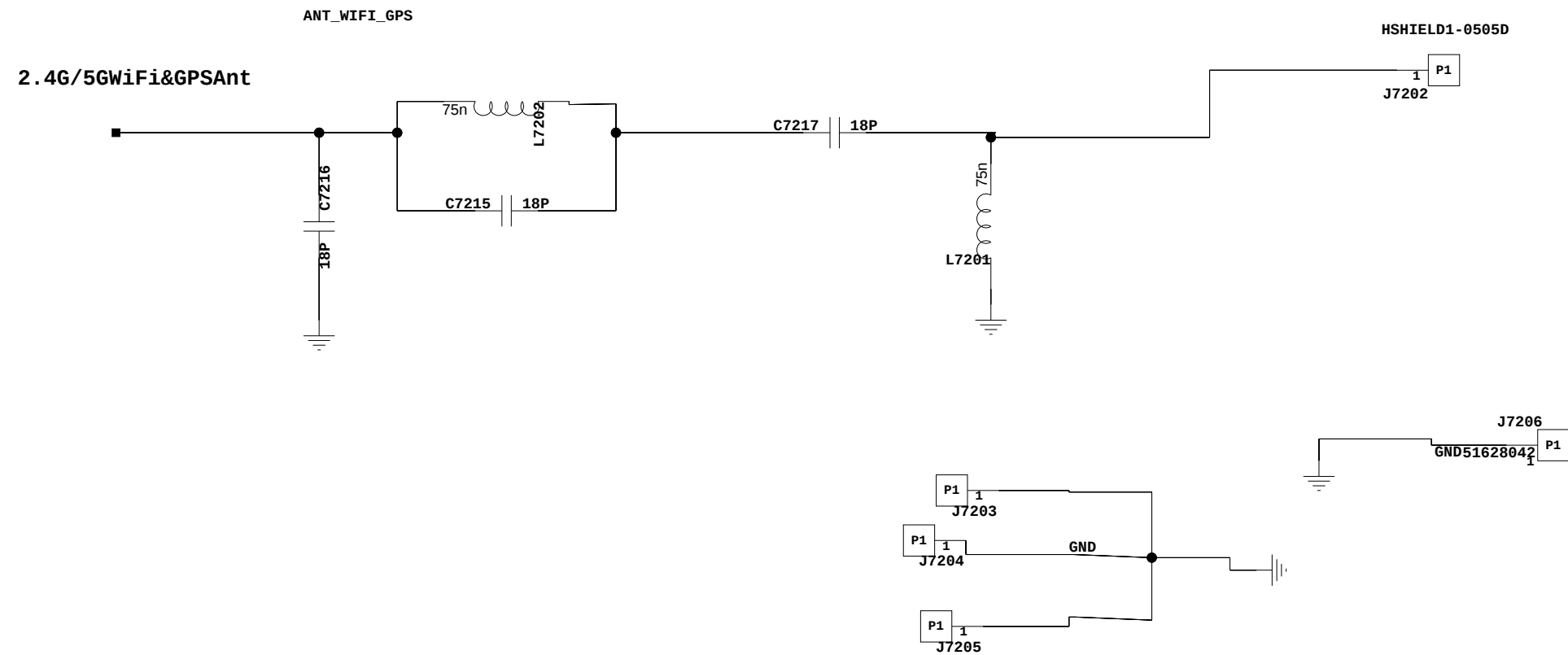
div far gnd

feed\_back gnd

Side\_back gnd

The type and specification of the components refer to the BOM

|          |                      |        |             |                      |           |
|----------|----------------------|--------|-------------|----------------------|-----------|
|          |                      |        |             | TBD For              | 2016-7-12 |
|          |                      |        |             | ECA NO               | DATE      |
| DESIGNED | huawei               | NOVA3I |             | * *                  |           |
| REVIEWED | fengyingqun/00317730 |        |             |                      |           |
|          |                      | VER    | PART_NUMBER | SHEET 71_ANT_DIV3    |           |
|          |                      | B      | **          | HUAWEI TECH CO.,LTD. |           |



The type and specification of the components refer to the BOM

|          |                      |        |             |                      |                      |
|----------|----------------------|--------|-------------|----------------------|----------------------|
|          |                      |        |             | TBD For              | 2016-7-12            |
|          |                      |        |             | ECA NO               | DATE                 |
| DESIGNED | huawei               | NOVA3I |             | * *                  |                      |
| REVIEWED | fengyingqun/00317730 |        |             |                      |                      |
|          |                      | VER    | PART_NUMBER | SHEET                | 72_ANT_WIFI_GPS3WIFI |
|          |                      | B      | **          | HUAWEI TECH CO.,LTD. |                      |



The type and specification of the components refer to the BOM

|          |                      |        |             |                      |           |
|----------|----------------------|--------|-------------|----------------------|-----------|
|          |                      |        |             |                      |           |
|          |                      |        |             | TBD For              | 2016-7-12 |
|          |                      |        |             | ECA NO               | DATE      |
| DESIGNED | huawei               | NOVA3I |             | * *                  |           |
| REVIEWED | fengyingqun/00317730 |        |             |                      |           |
|          |                      | VER    | PART_NUMBER | SHEET 73_A0F_NF03    |           |
|          |                      | B      | **          | HUAWEI TECH CO.,LTD. |           |
|          |                      |        |             |                      |           |