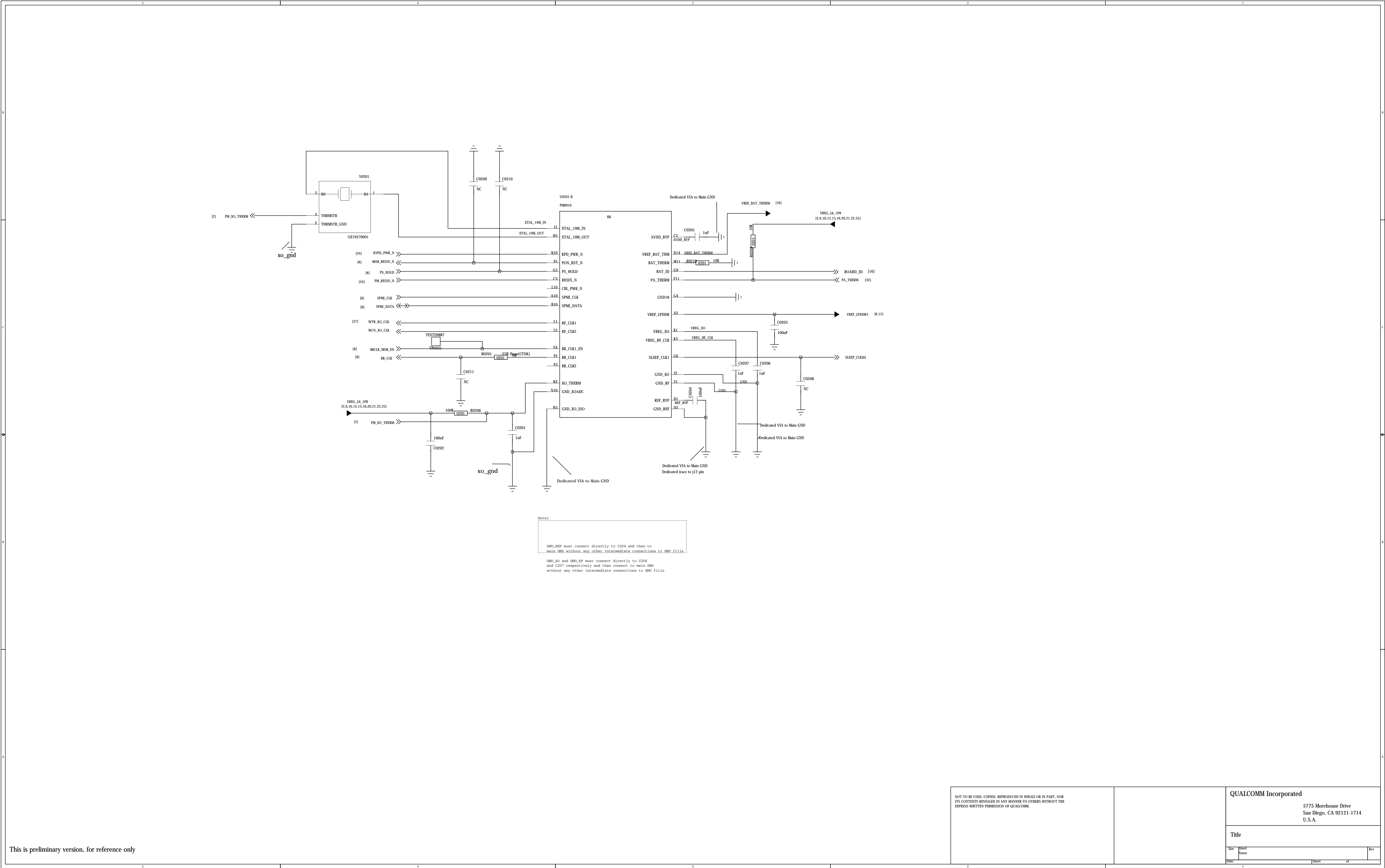
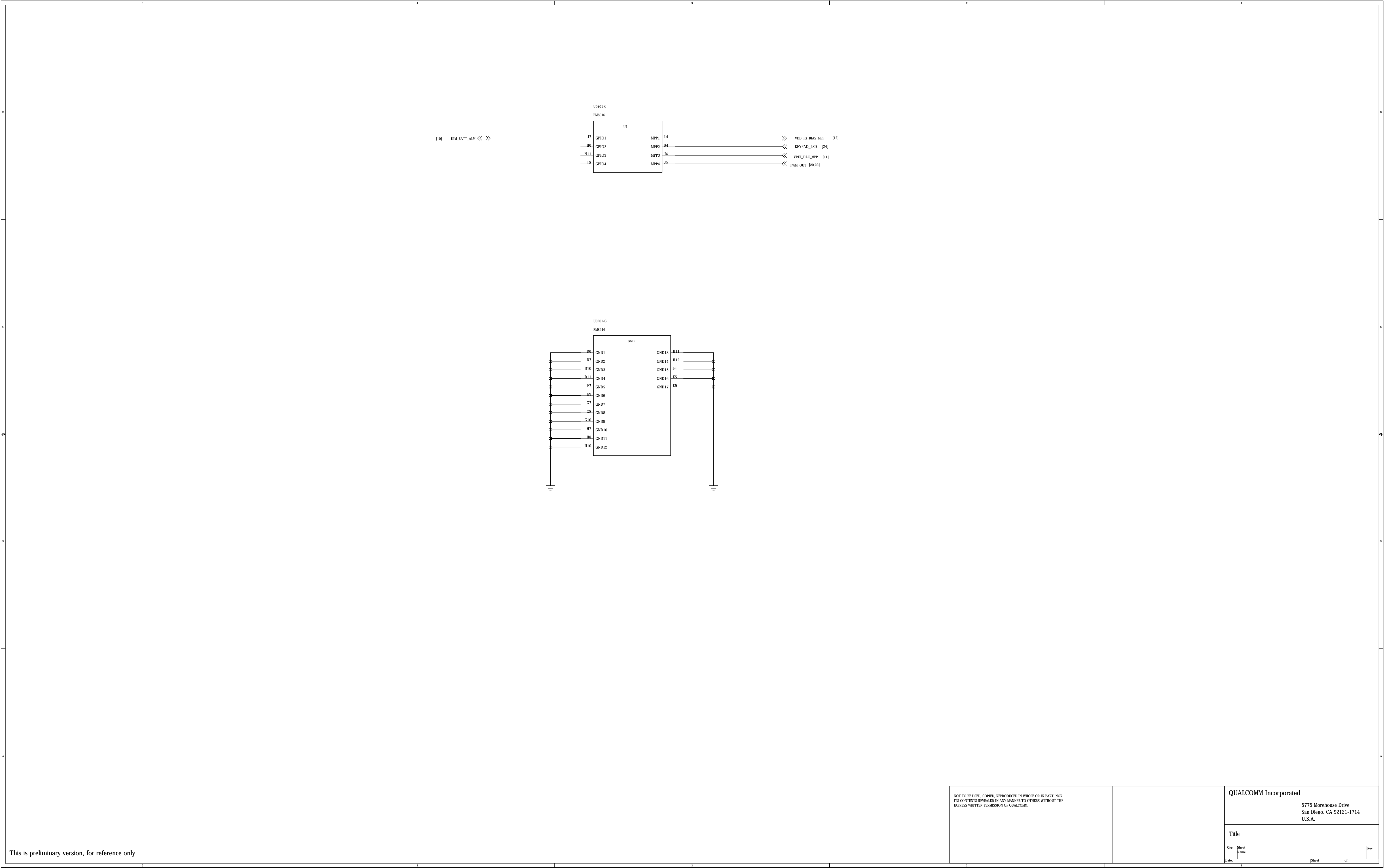
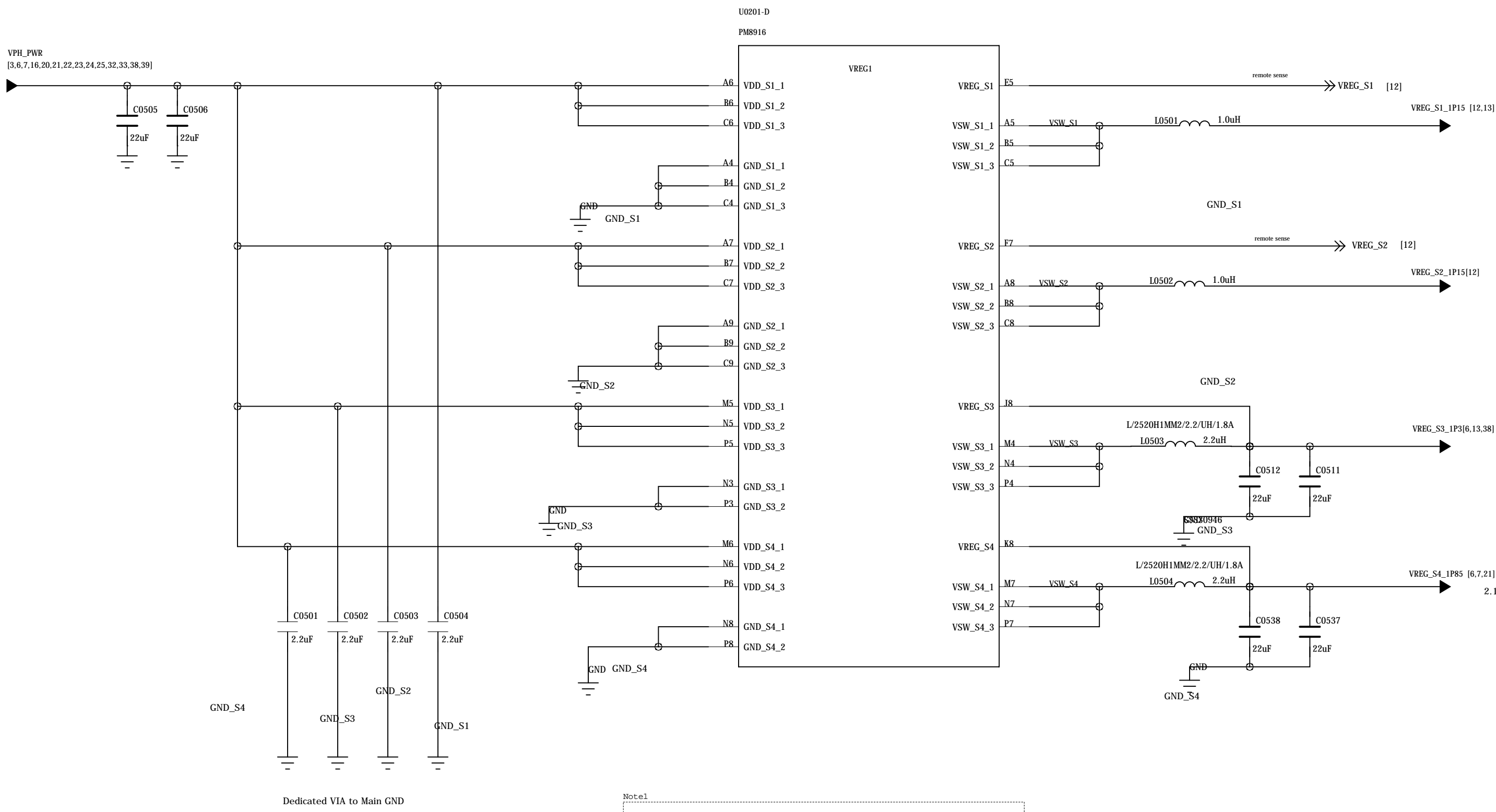


| | | | | | | | | | |
|---------|--|------------------------------|--|--|---------|--|---------|--|--|
| | | | | | | | | | |
| Sheet # | | Content | | | Sheet # | | Content | | |
| 01. | | Table of Content | | | | | | | |
| 02. | | PM8916 Control and MPP/Clock | | | | | | | |
| 03. | | PM8916 Charging | | | | | | | |
| 04. | | PM8916 GPIO/MPP | | | | | | | |
| 05. | | PM8916 Buck converter | | | | | | | |
| 06. | | PM8916 LDO | | | | | | | |
| 07. | | PM8916 Codec | | | | | | | |
| 08. | | MSM8916 Control | | | | | | | |
| 09. | | MSM8916 EBI | | | | | | | |
| 10. | | MSM8916 GPIO | | | | | | | |
| 11. | | MSM8916 MIPI and RF Control | | | | | | | |
| 12. | | MSM8916 Power1 | | | | | | | |
| 13. | | MSM8916 Power2 | | | | | | | |
| 14. | | MSM8916 GND and NC | | | | | | | |
| 15. | | MEMORY | | | | | | | |
| 16. | | Battery/USB | | | | | | | |
| 17. | | Speaker and Vibrator | | | | | | | |
| 18. | | MIC and Receiver | | | | | | | |
| 19. | | Earphone | | | | | | | |
| 20. | | LCD | | | | | | | |
| 21. | | Camera | | | | | | | |
| 22. | | Sensor | | | | | | | |
| 23. | | UIM/TF card | | | | | | | |
| 24. | | Keypad/LED | | | | | | | |
| 25. | | Touch interface | | | | | | | |
| 26. | | Test Points/Shields | | | | | | | |
| 27. | | QCA1990 NFC | | | | | | | |
| 28. | | Reserved | | | | | | | |
| 29. | | Reserved | | | | | | | |
| 30. | | Reserved | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



This is preliminary version, for reference only





NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

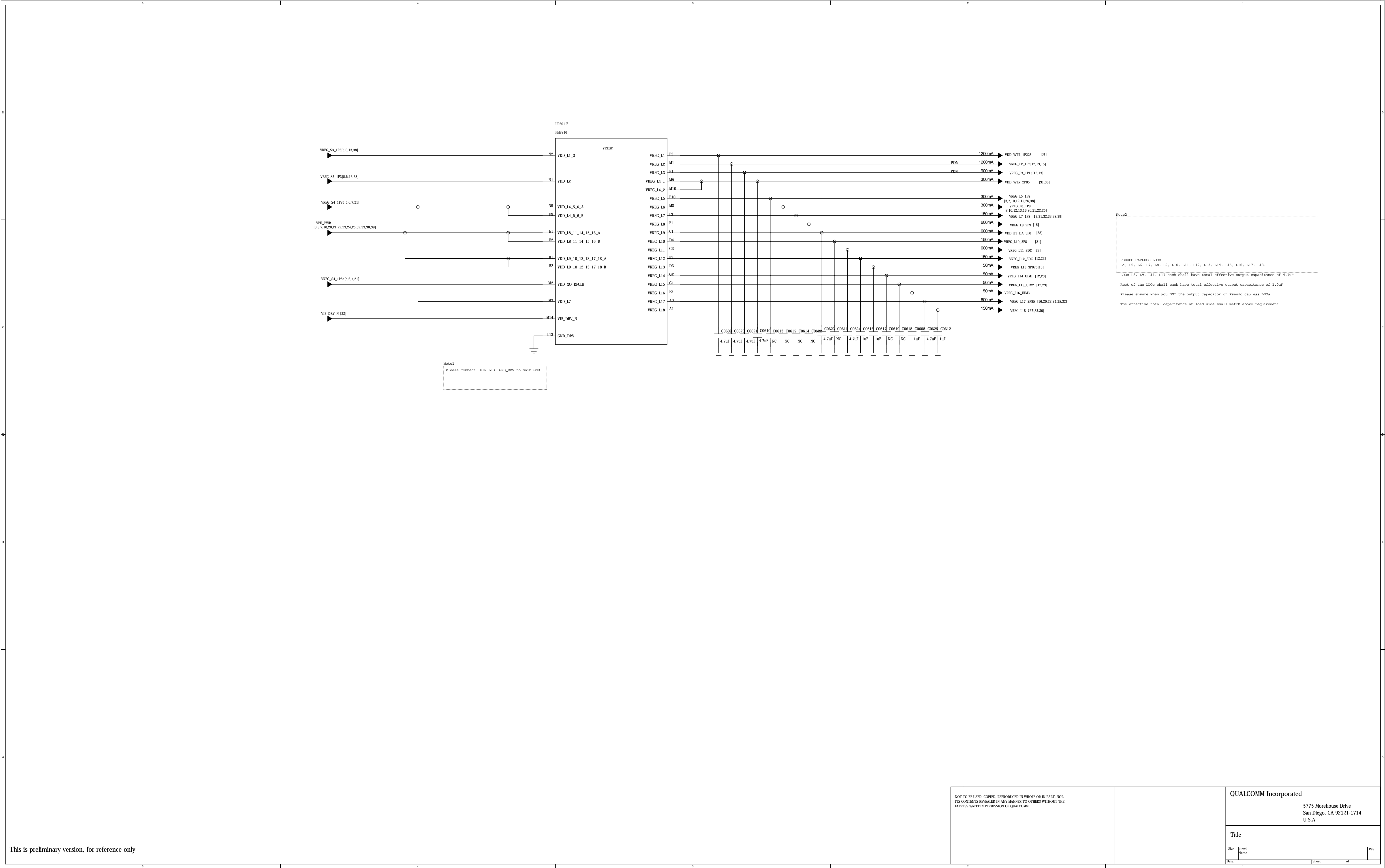
QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

Title

Size Sheet Name Rev

Date: Sheet of



Note2

PSEUDO CAPLESS LDOs
L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18.

LDOs L8, L9, L11, L17 each shall have total effective output capacitance of 4.7uF

Rest of the LDOs shall each have total effective output capacitance of 1.0uF

Please ensure when you DMI the output capacitor of Pseudo capless LDOs

The effective total capacitance at load side shall match above requirement

Note1

Please connect P1N L13 GND_DRV to main GND

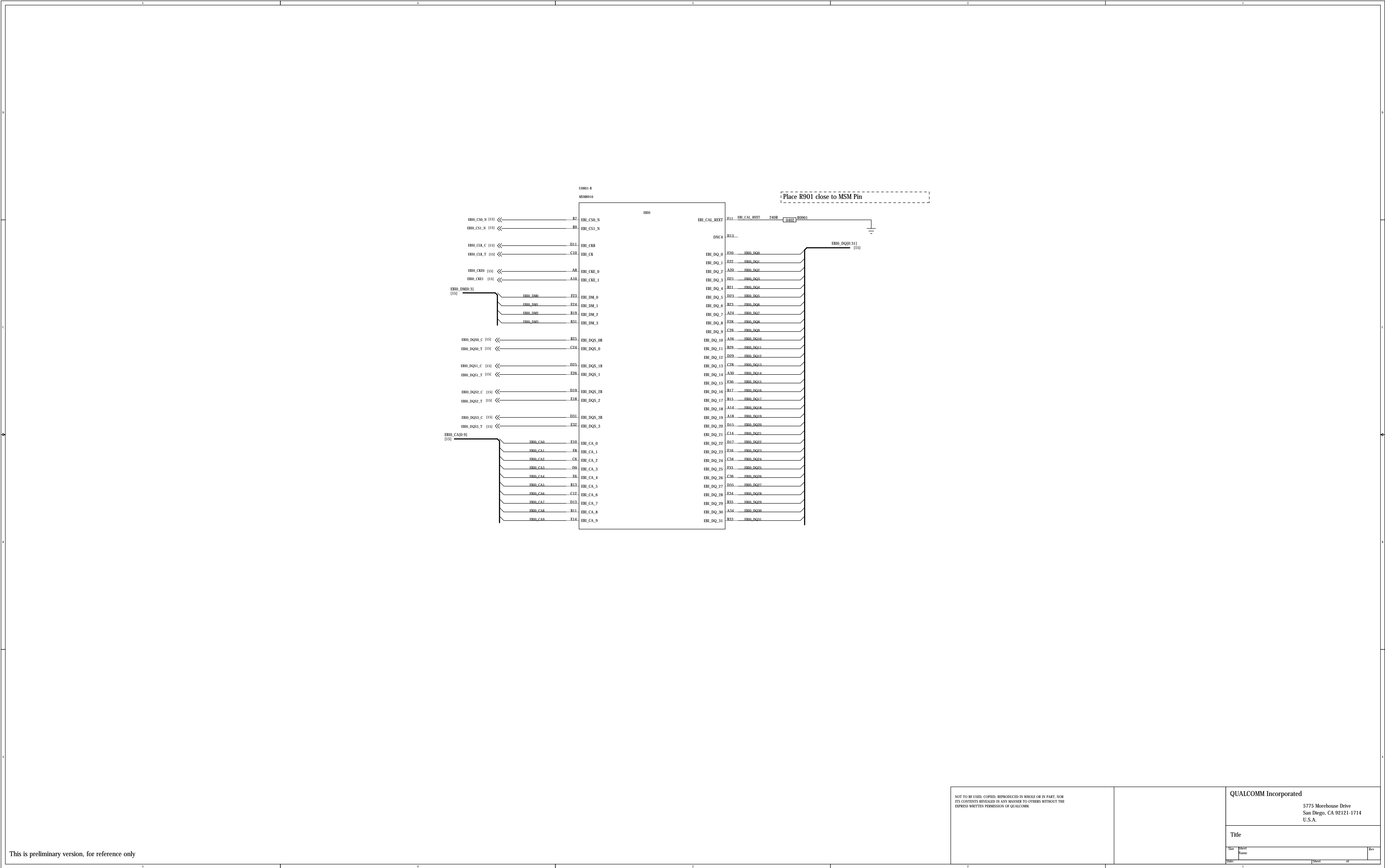
NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

Title

| | | |
|-------|-------|-----|
| Size | Sheet | Rev |
| Name | | |
| Date: | Sheet | of |



This is preliminary version, for reference only

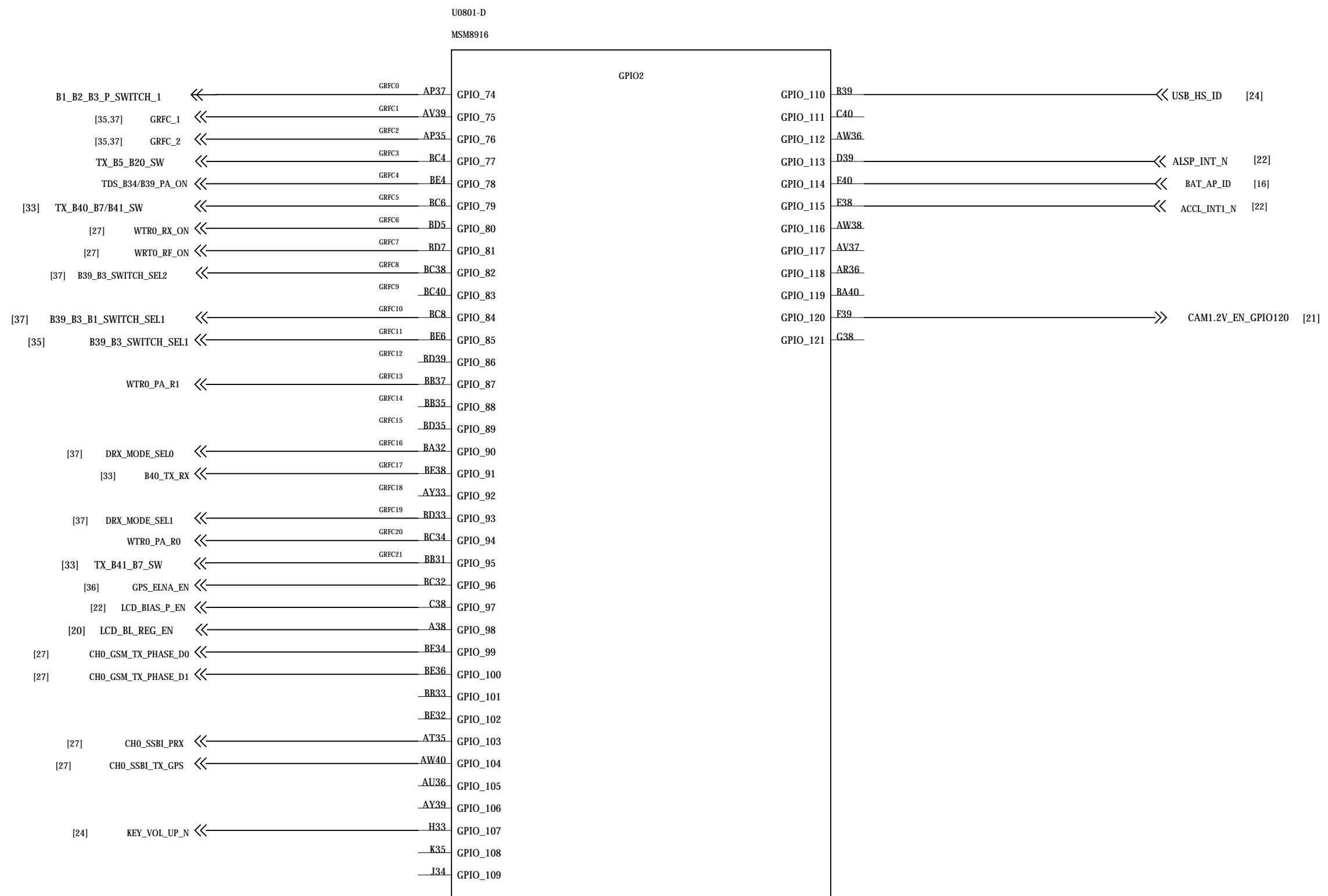
NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

Title

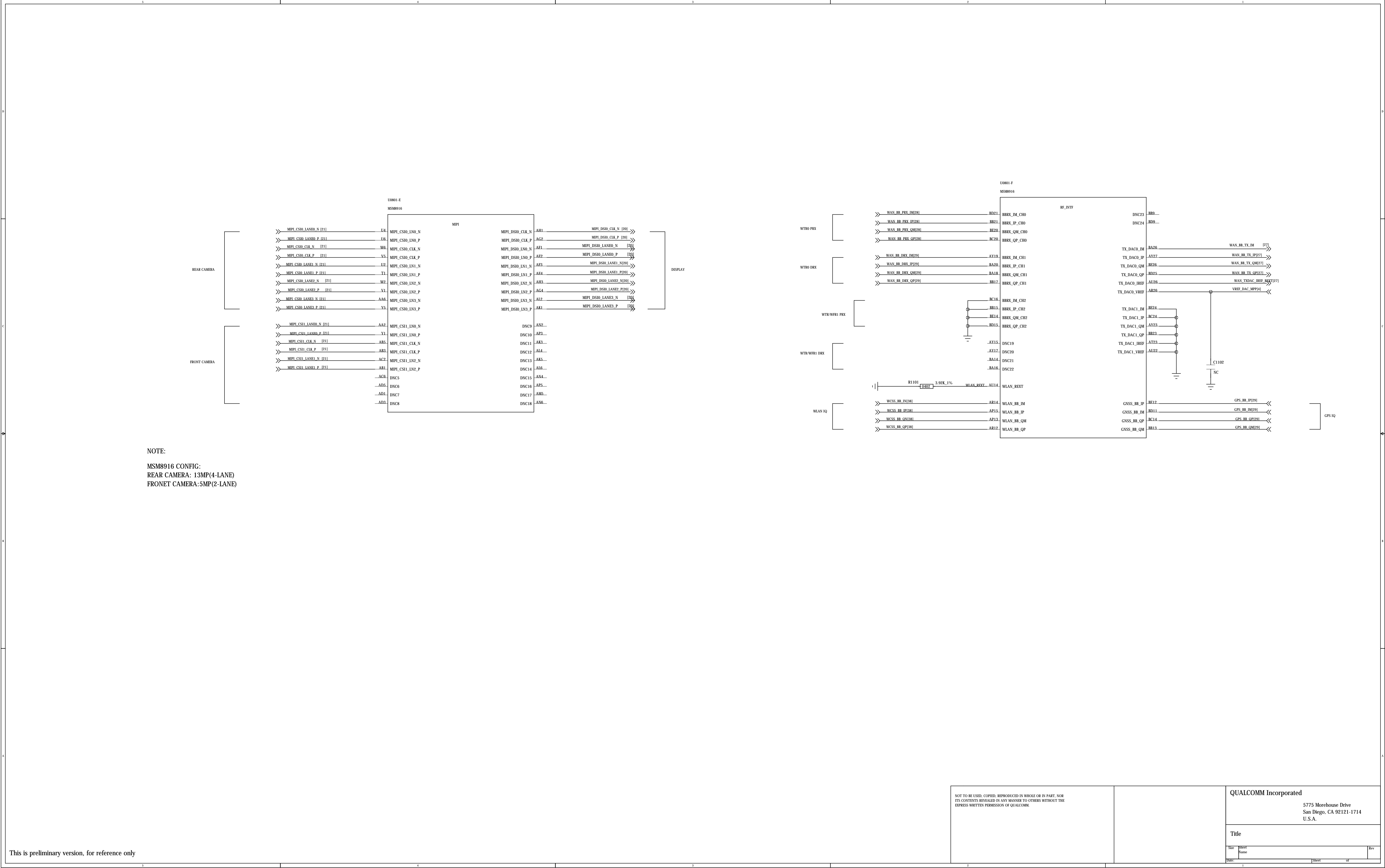
| | | |
|------|-------|-----|
| Size | Sheet | Rev |
| Name | | |
| Date | Sheet | of |



| | |
|------------------|--------------------|
| BOOT_CONFIG[3:1] | BOOT_CONFIG |
| 0b000 | SDC1->SDC2->USB2.0 |
| 0b001 | SDC2->SDC1->USB2.0 |
| 0b010 | SDC1->USB2.0 |
| 0b000 | USB2.0 |

This is preliminary version, for reference only

| | | |
|-------|------------|-----|
| Size | Sheet Name | Rev |
| Date: | Sheet of | |



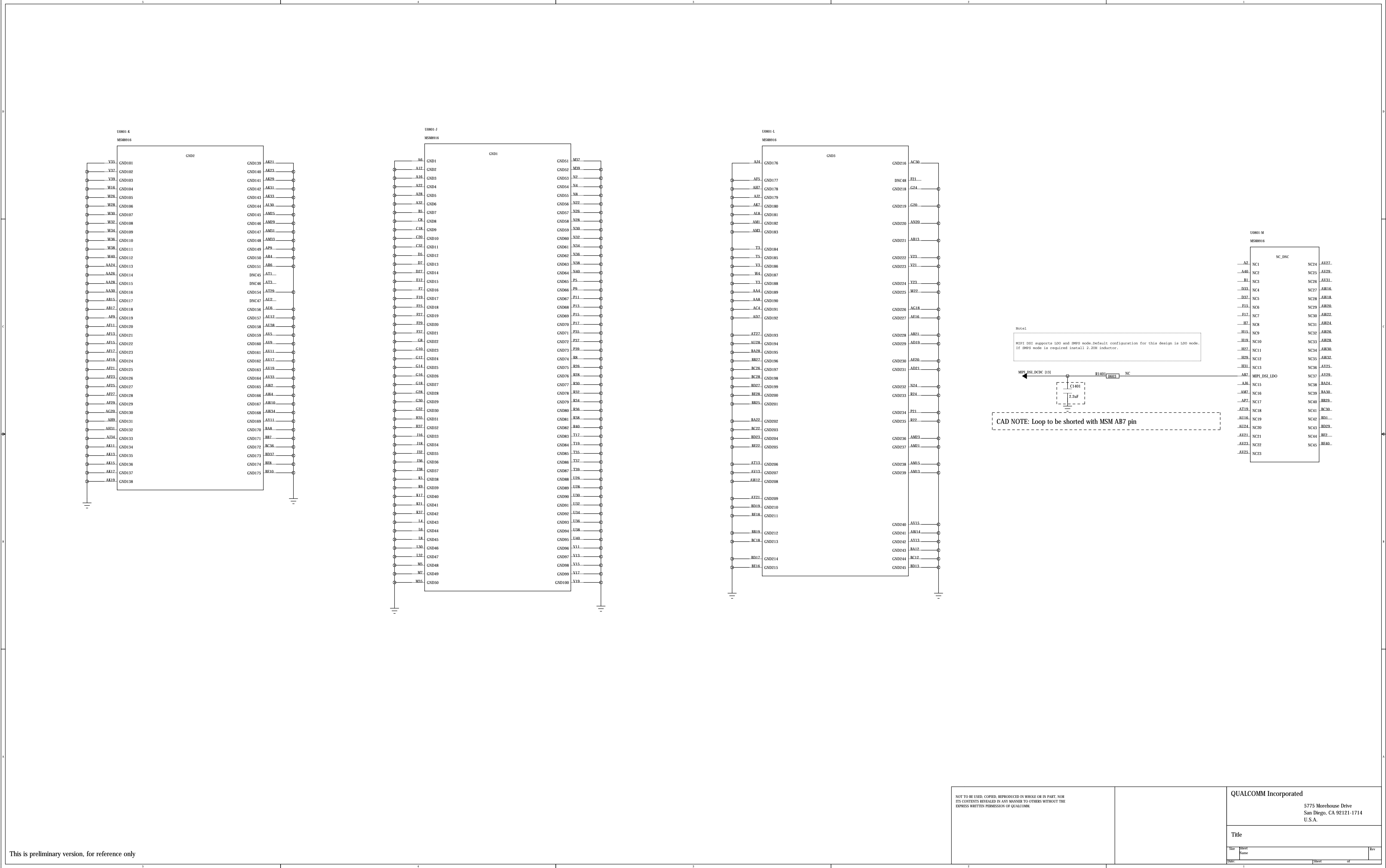
NOTE:
MSM8916 CONFIG:
REAR CAMERA: 13MP(4-LANE)
FRONET CAMERA:5MP(2-LANE)



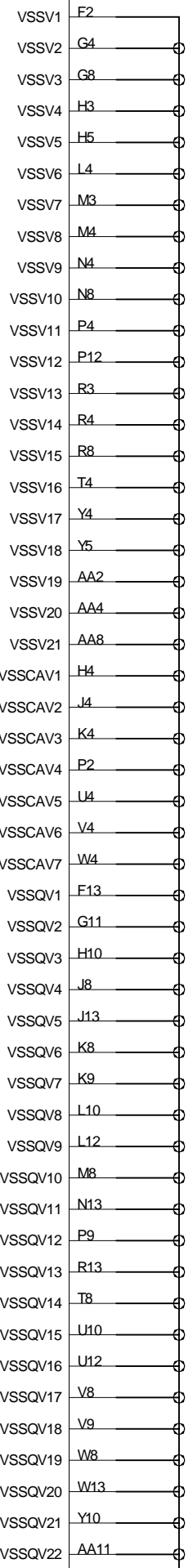
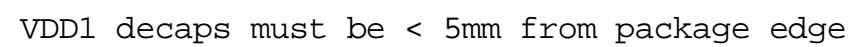
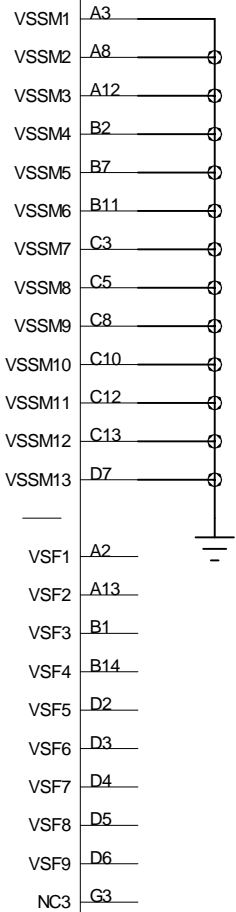
| | | |
|-------|------------|----------|
| Title | | |
| Size | Sheet Name | Rev |
| Site: | | Sheet of |



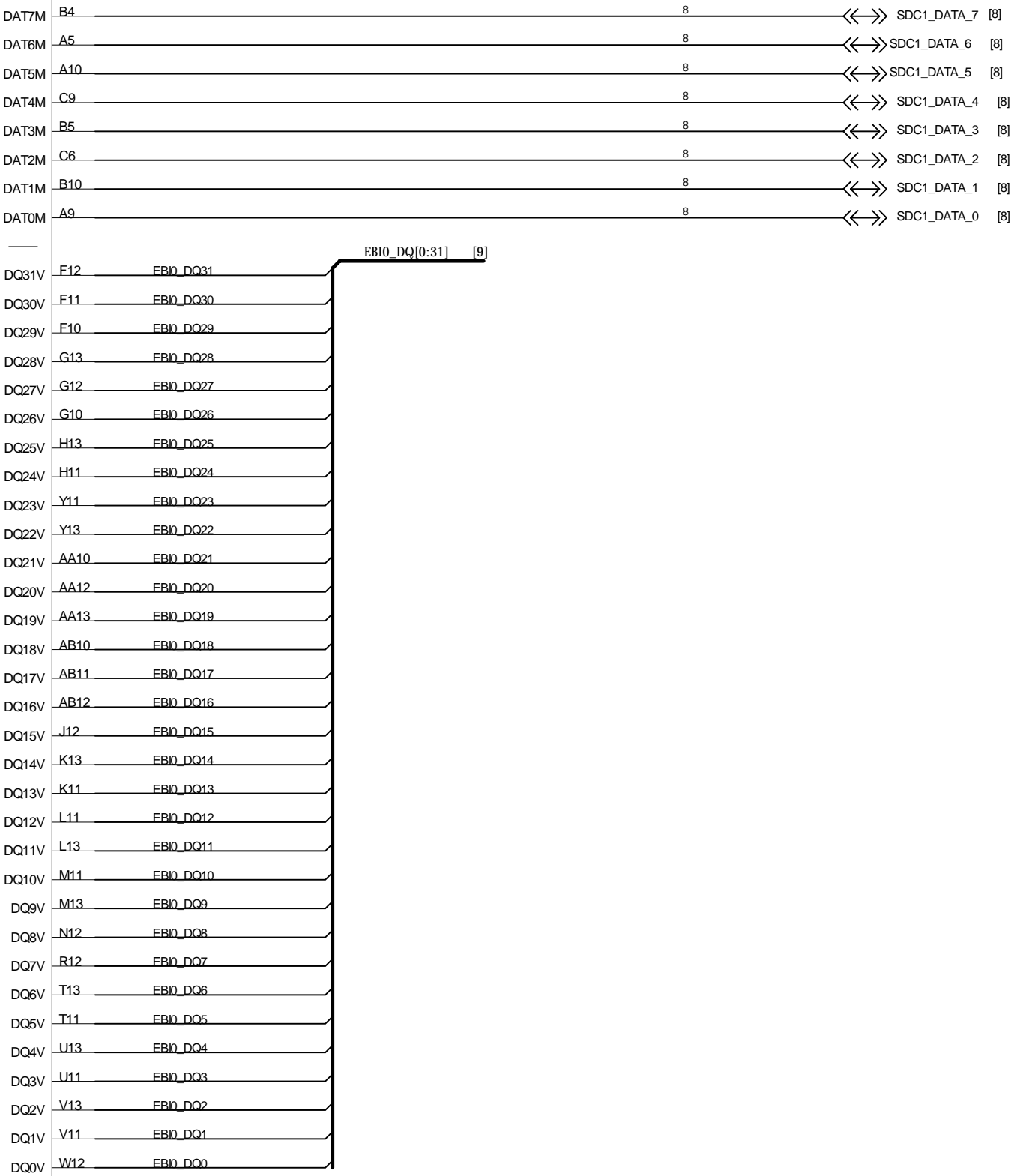
| | | |
|-------|------------|-----|
| Size | Sheet Name | Rev |
| Date: | Sheet of | |



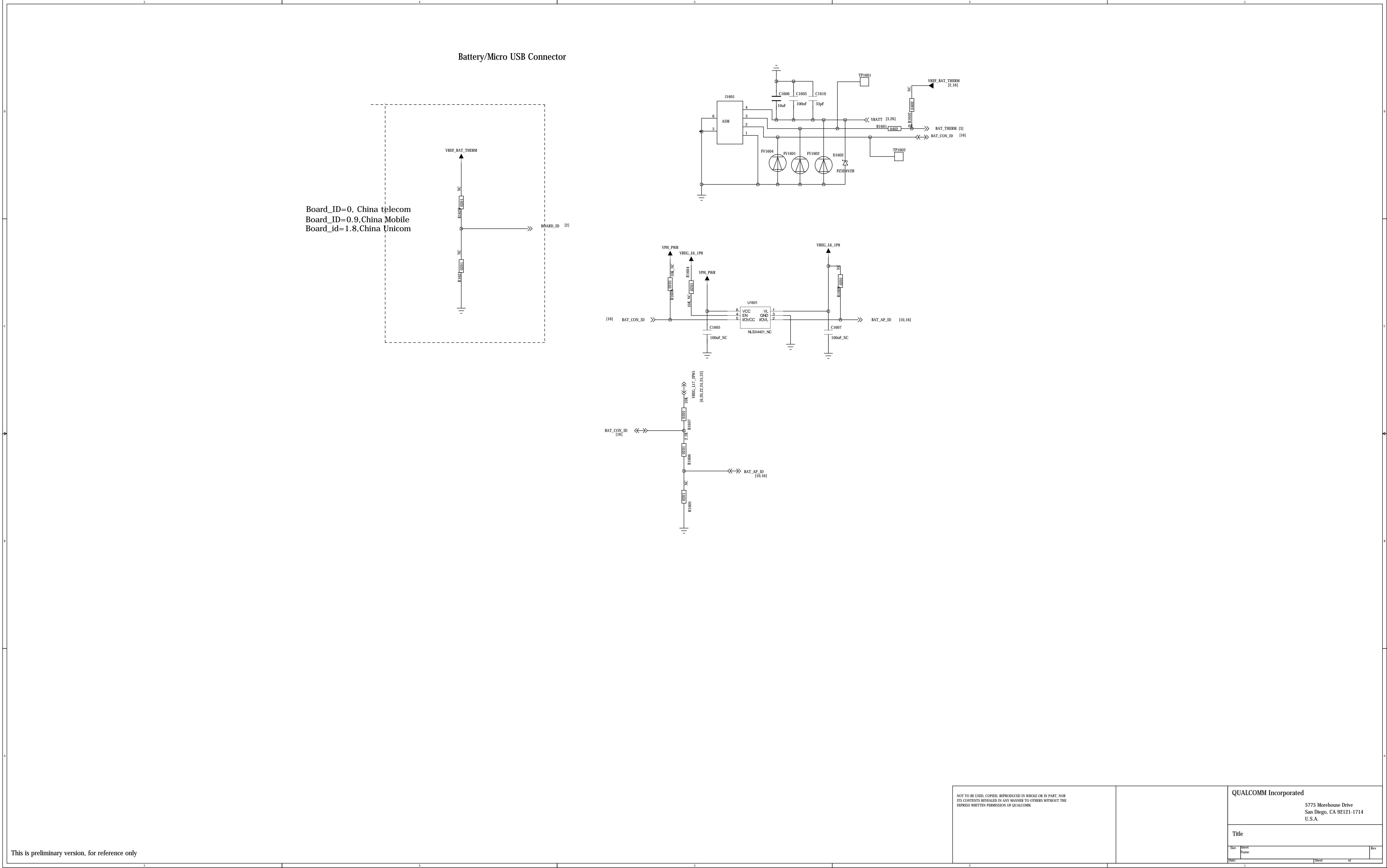
This is preliminary version, for reference only



5mm from package edge

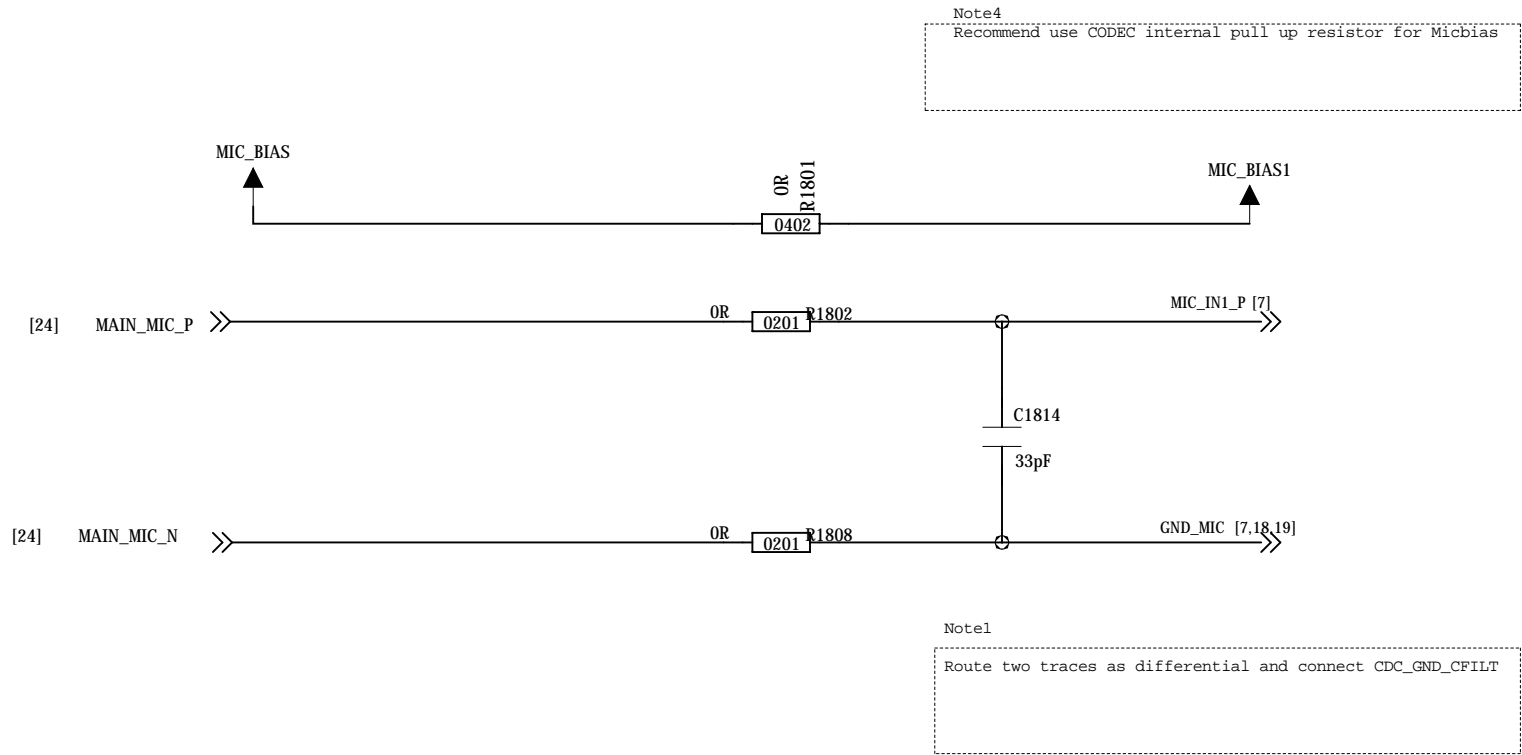


Note: Pull-up resistors on SDC1_DATA are PCB and eMMC vender dependent

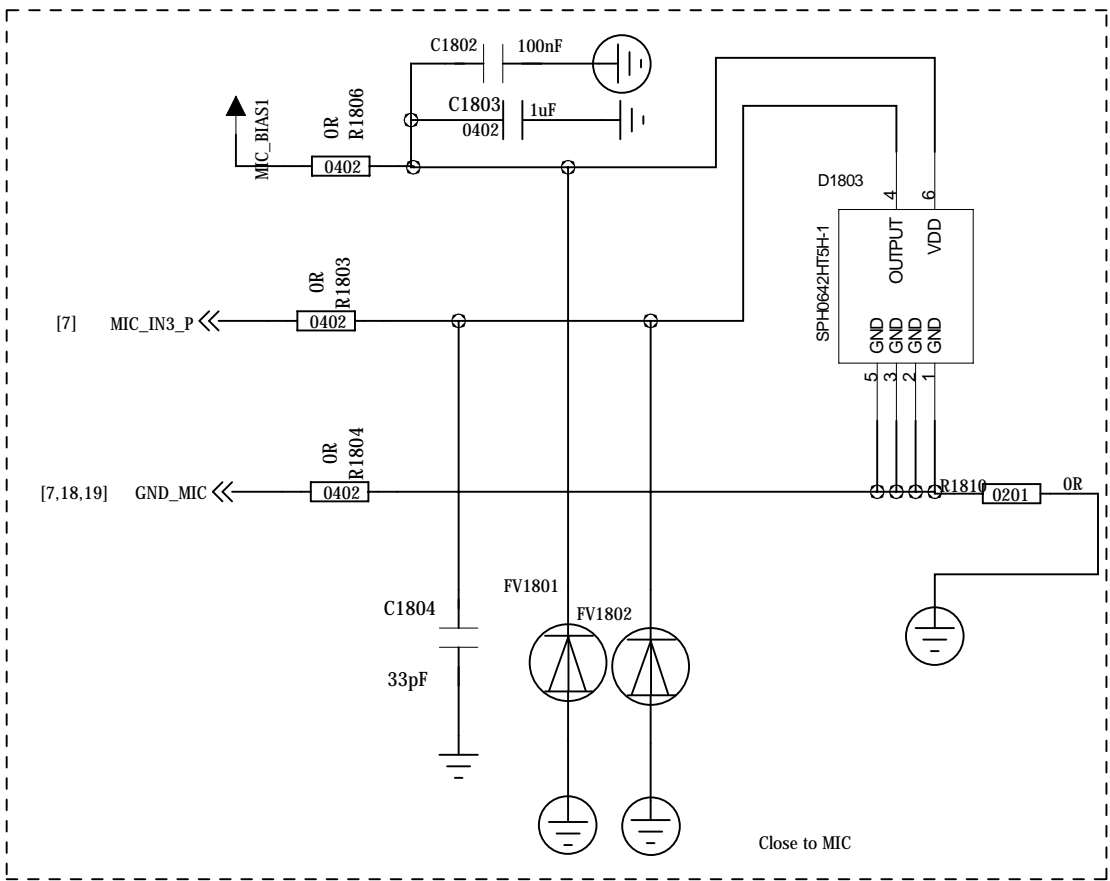


| | | | | | | | | | | | | | |
|---|--|---|--|---|--|---|--|---|--|--|--|--|--|
| 3 | | 4 | | 5 | | 6 | | 7 | | | | | |
| D | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | |
| This is preliminary version, for reference only | | | | | | NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM. | | QUALCOMM Incorporated 5775 Morehouse Drive San Diego, CA 92121-1714 U.S.A. | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | Title | | | | | | | |
| | | | | | | Size | | Sheet | | | | | |
| | | | | | | Name | | Rev | | | | | |
| | | | | | | Date | | Sheet | | | | | |
| | | | | | | | | of | | | | | |
| | | | | | | | | | | | | | |

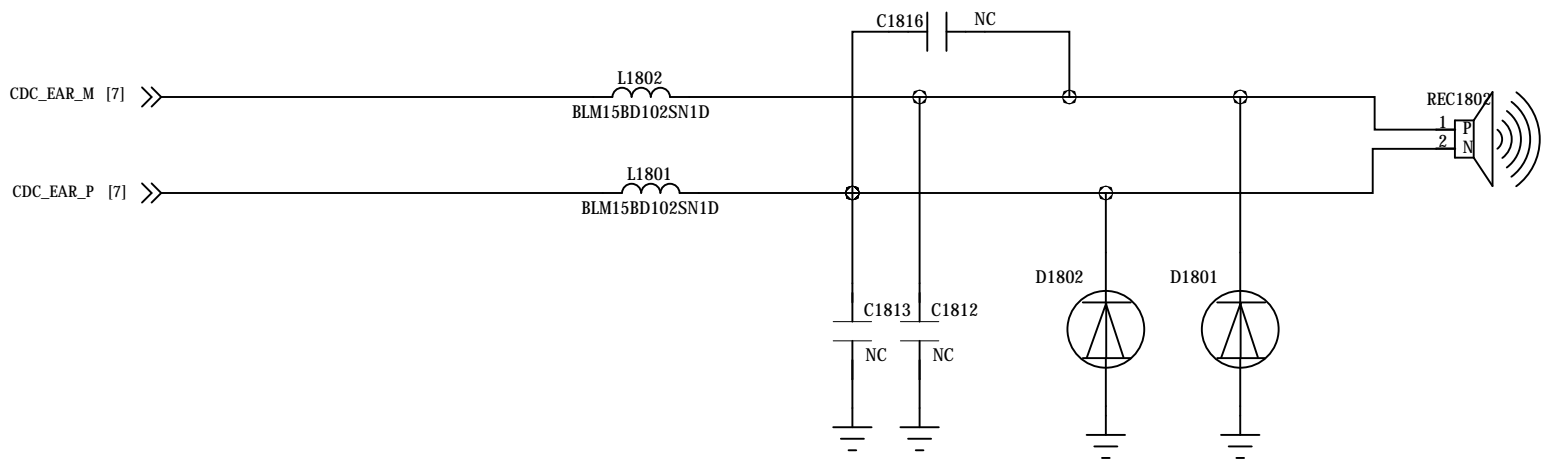
PRIMARY MIC



SECONDARY MIC



RECEIVER

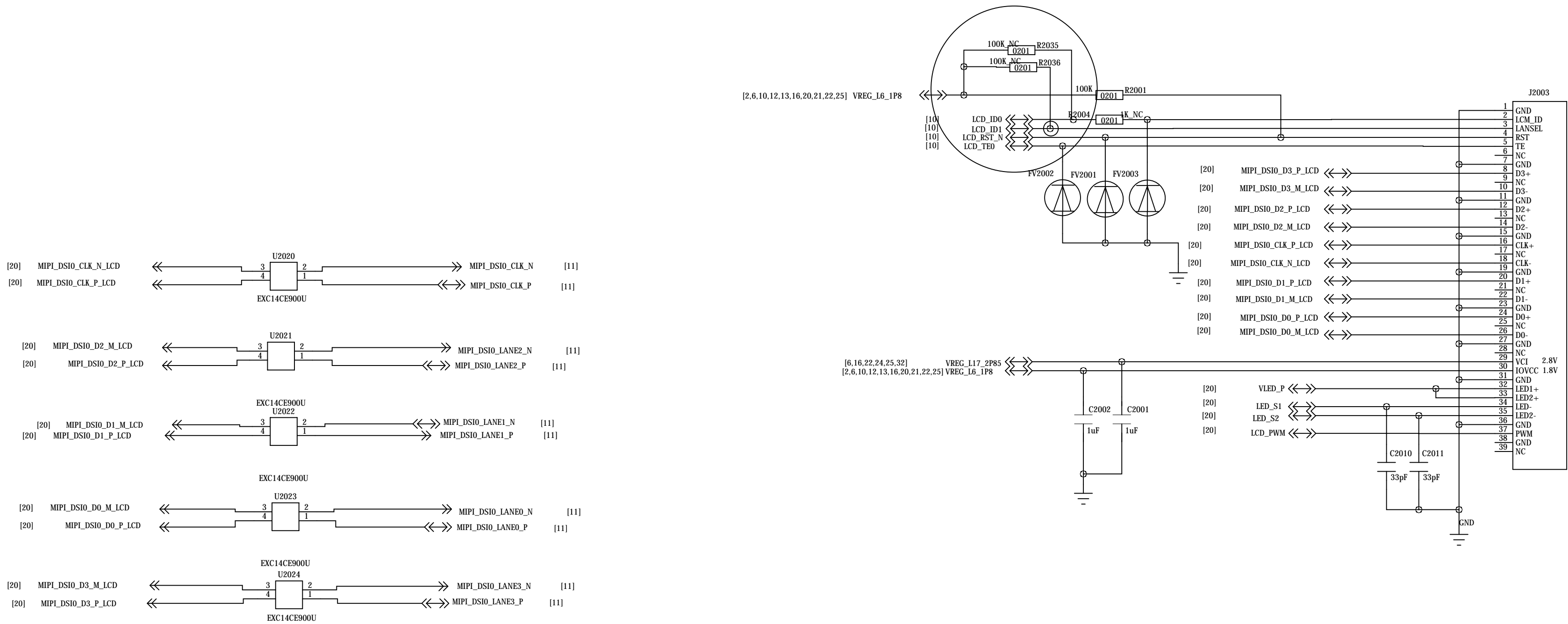




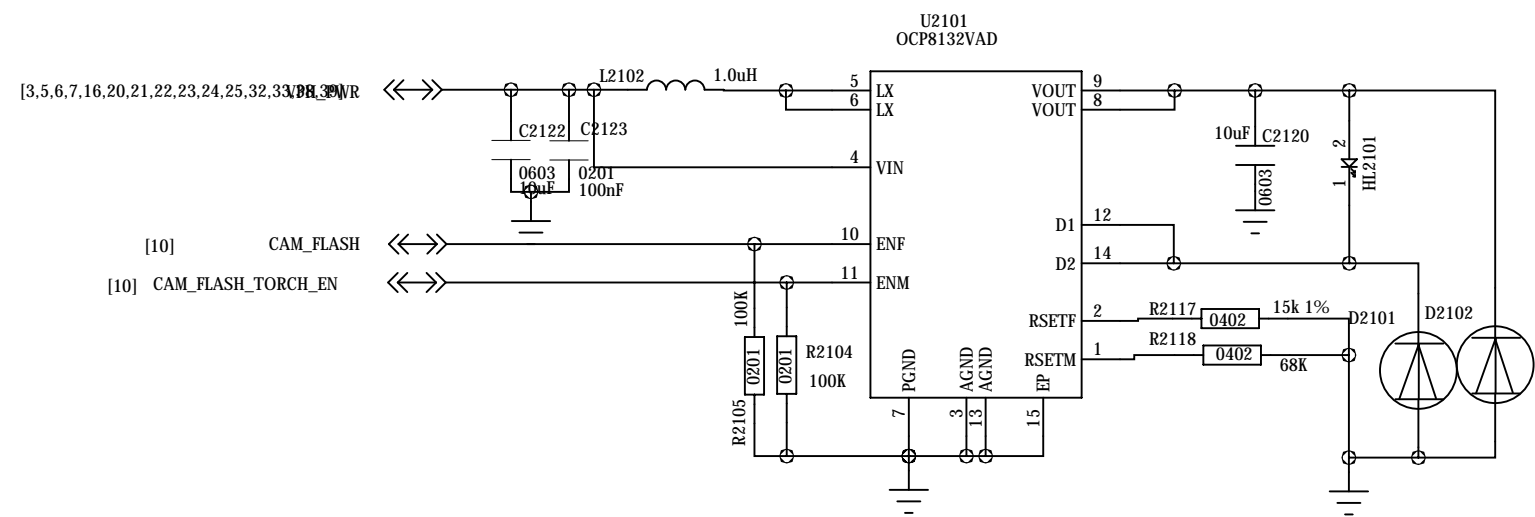
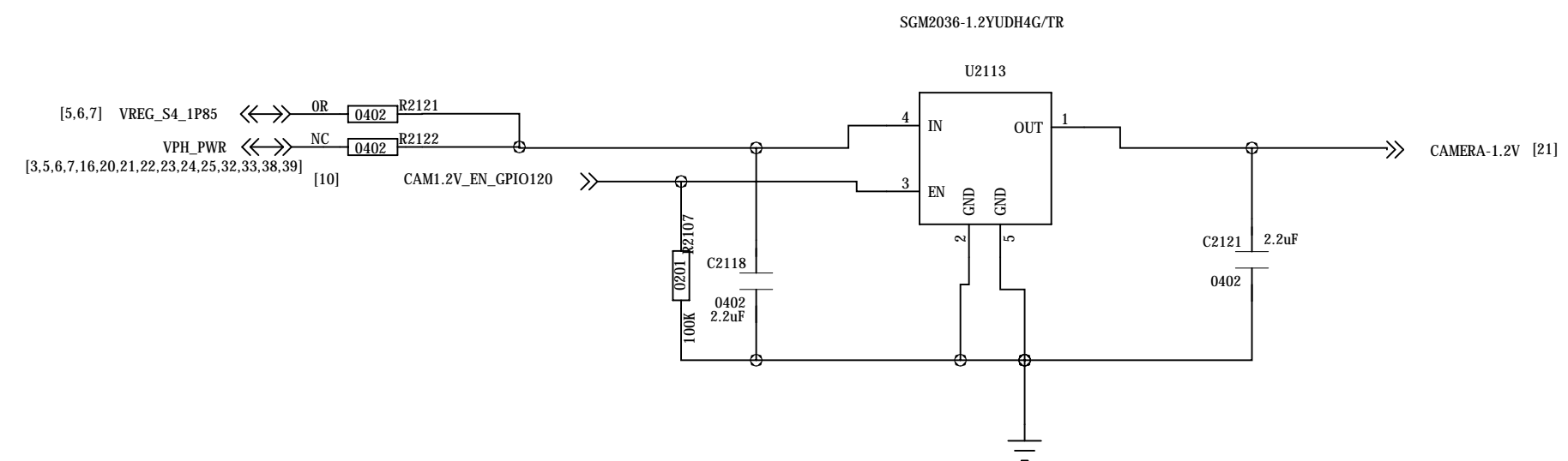
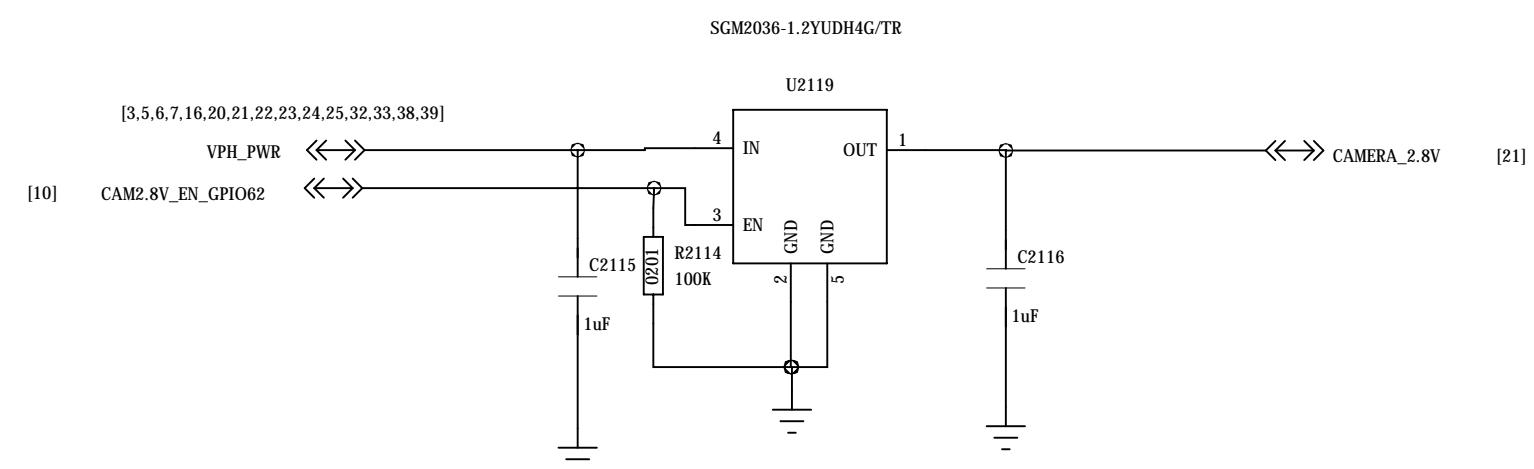
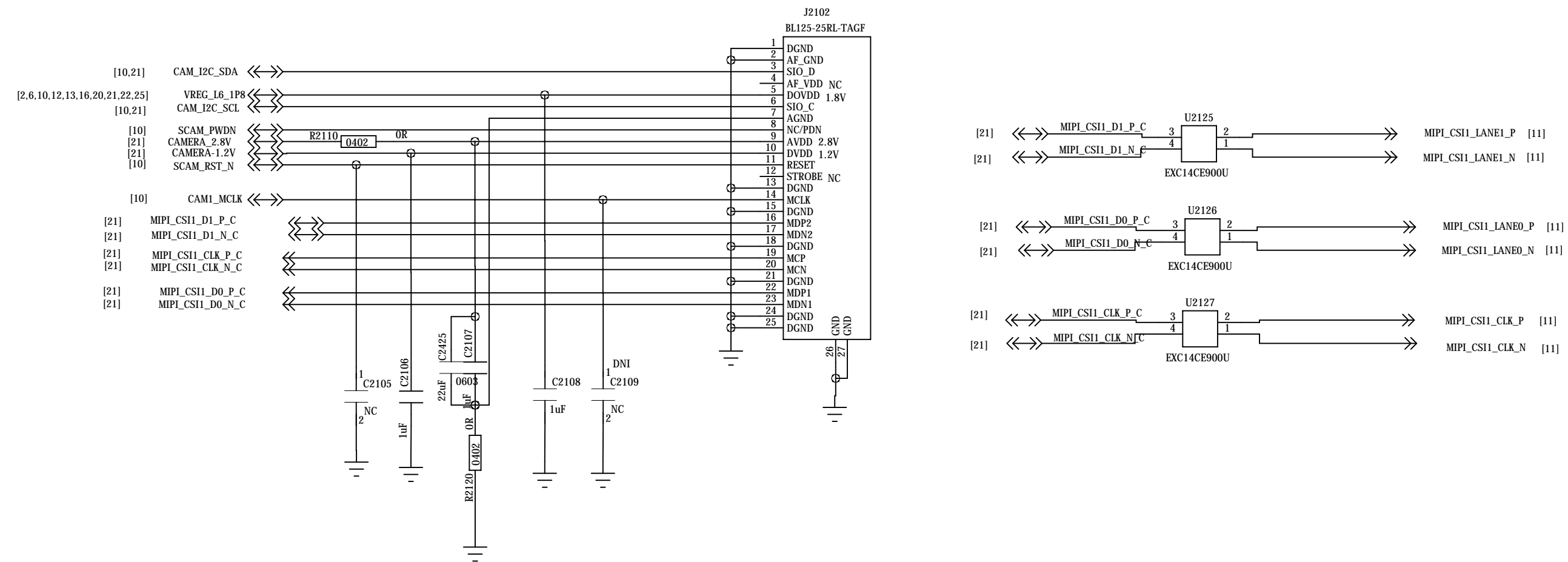
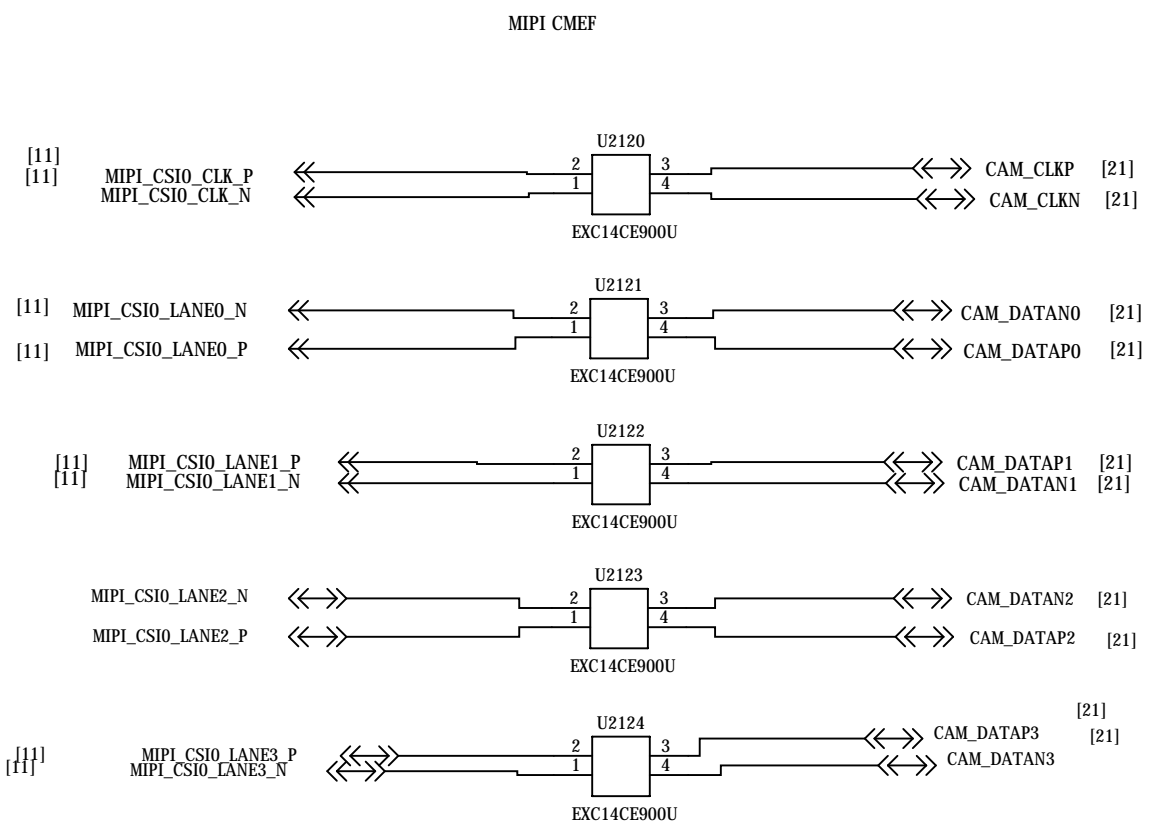
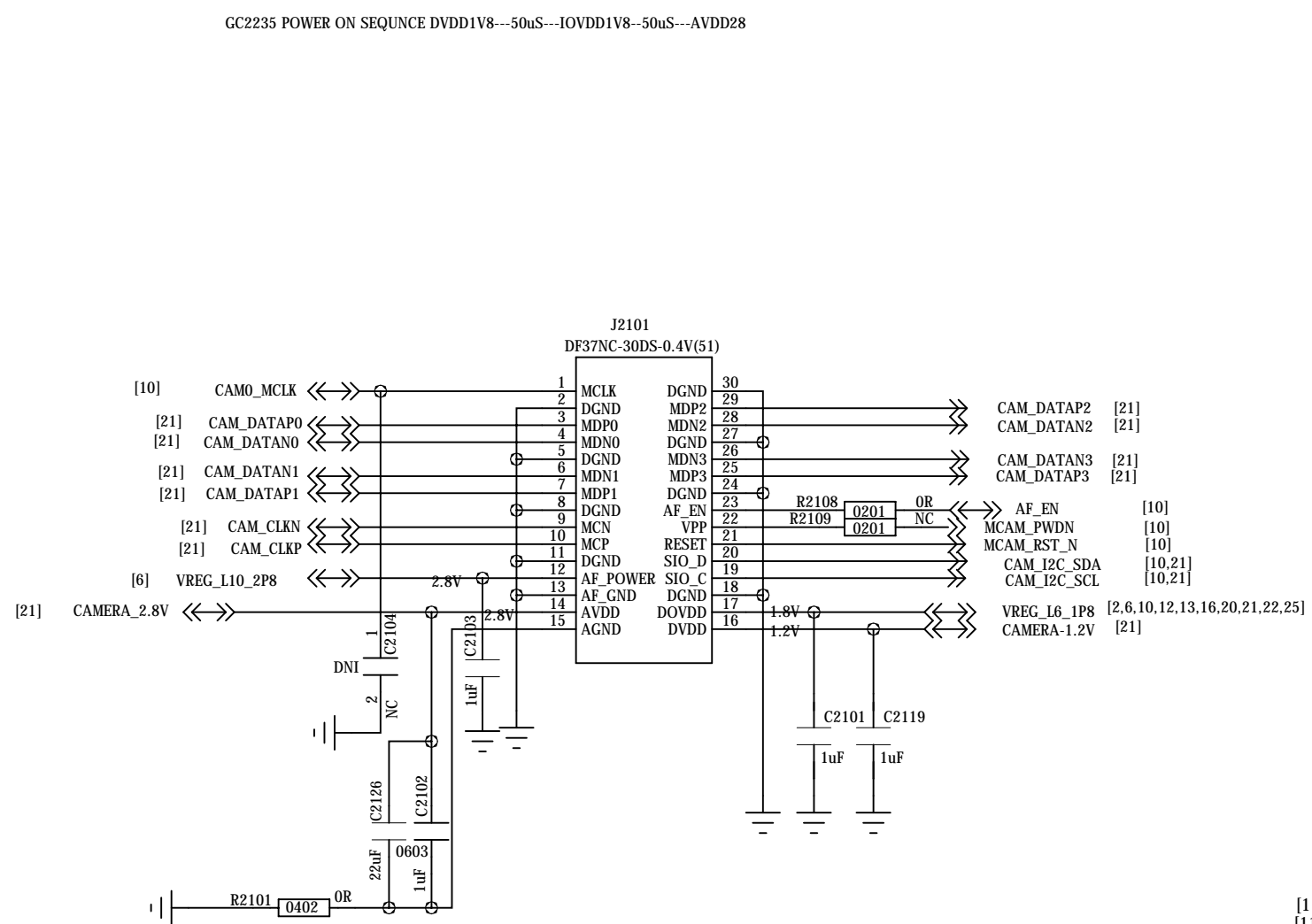
NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

| | | | |
|-------|------------|--|-----|
| Title | | | |
| Size | Sheet Name | | Rev |
| Date: | Sheet | | of |

20. LCD interface and backlight driver



CS0:13M
CS1:5M



OCP8132 TORCH=Id1+Id2 Imovie= Id1+Id2=6800/R2118=200mA R2118=68K
FLASH=Id1+Id2 Iflash= Id1+Id2=6800/R2117=906mA R2117=15K

This is preliminary version, for reference only

NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

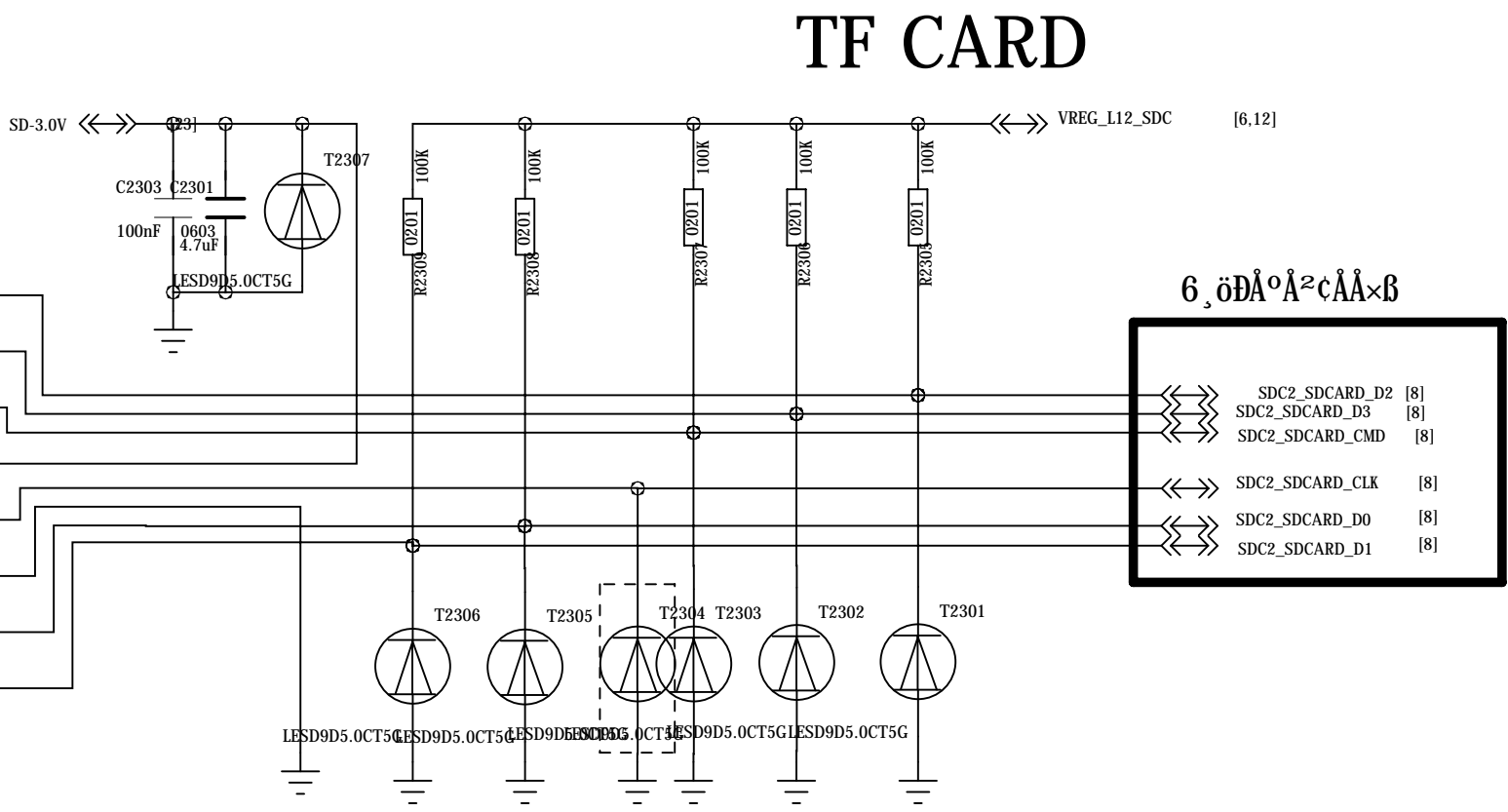
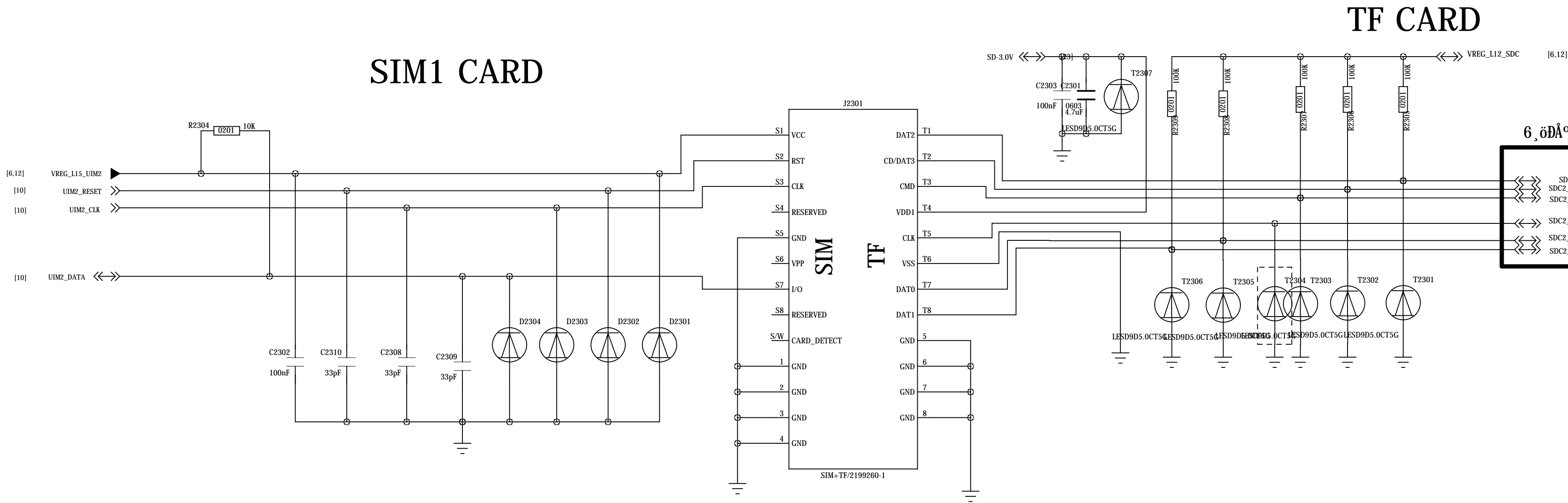
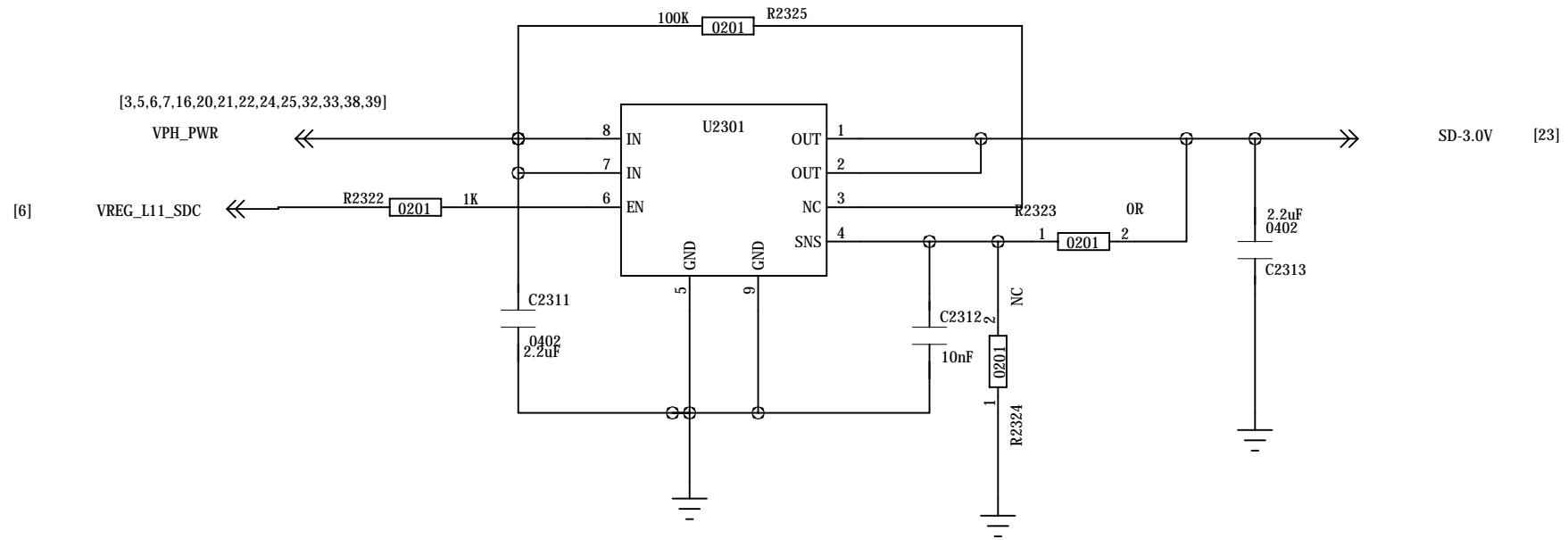
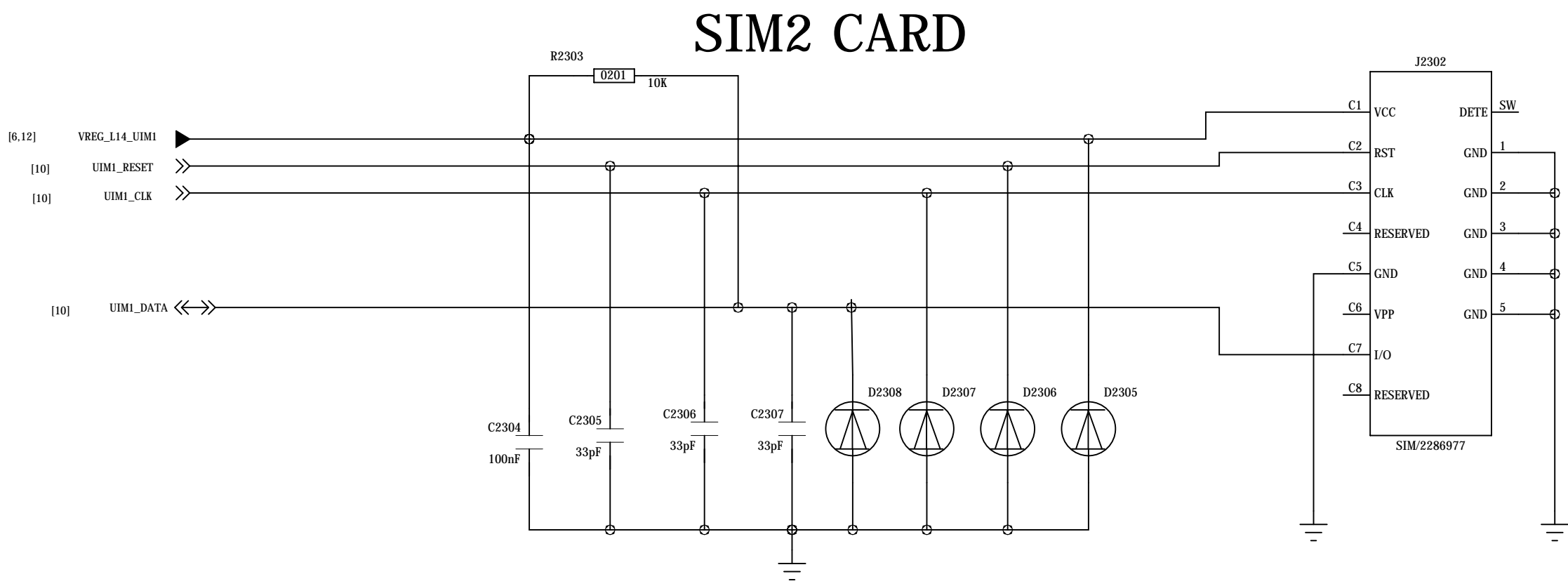
QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

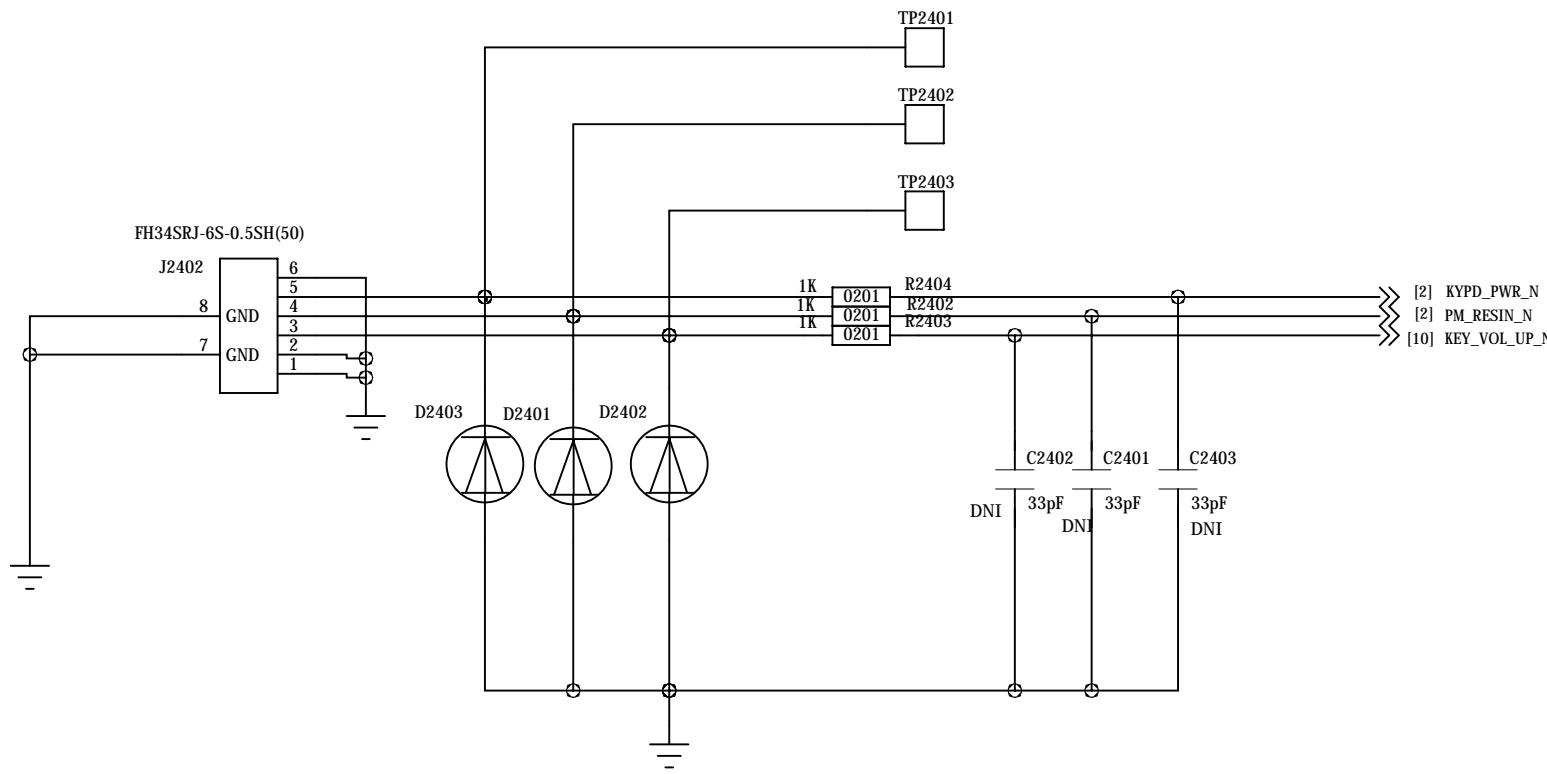
Title

| | | |
|-------|------------|-----|
| Size | Sheet Name | Rev |
| Date: | Sheet | of |

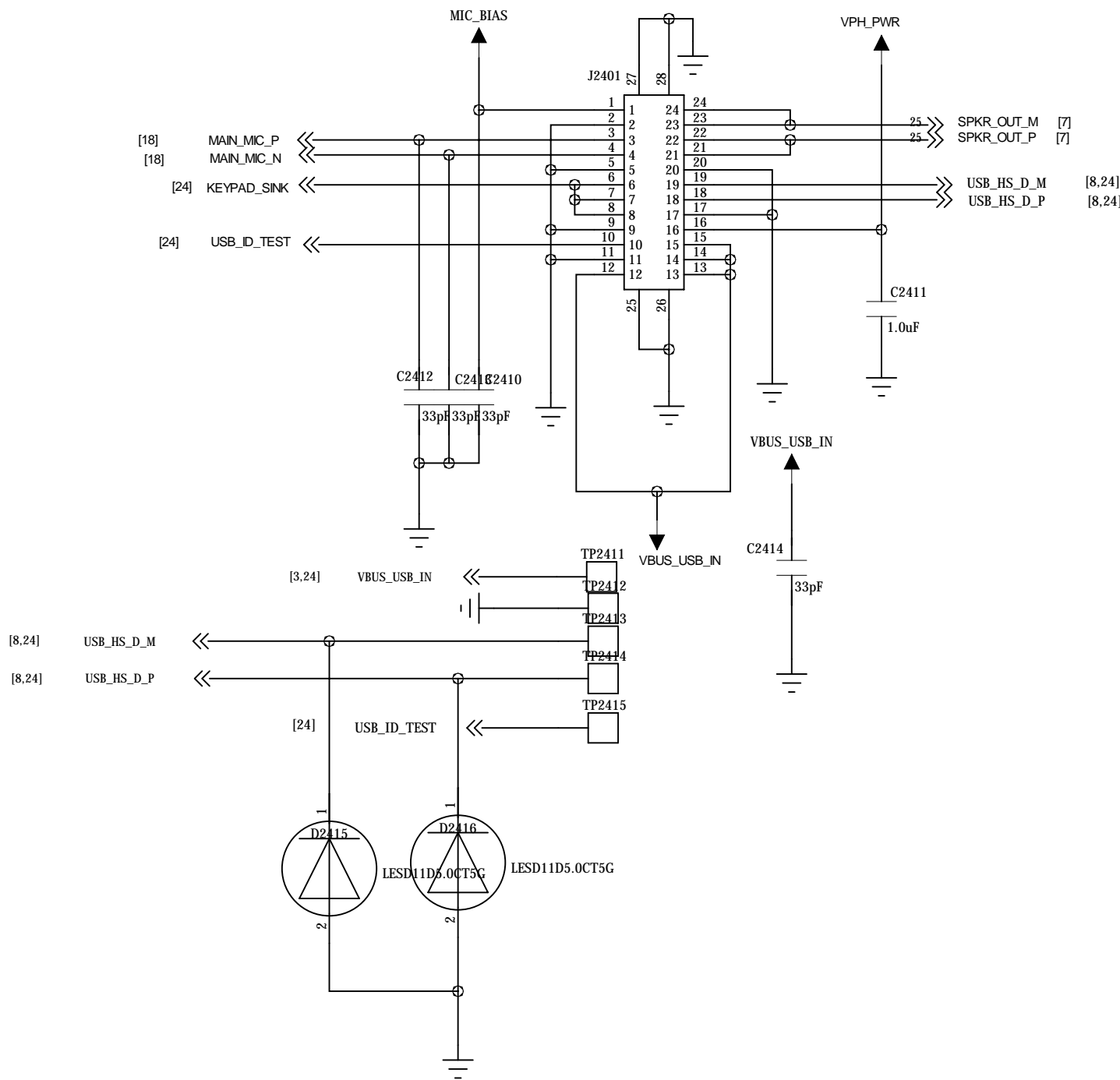
| | | |
|-------|-------|----|
| Date: | Sheet | of |
|-------|-------|----|



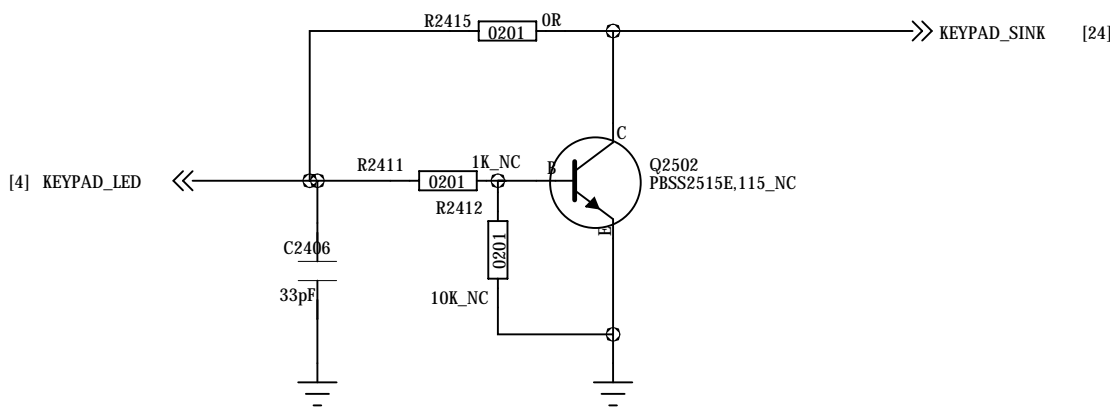
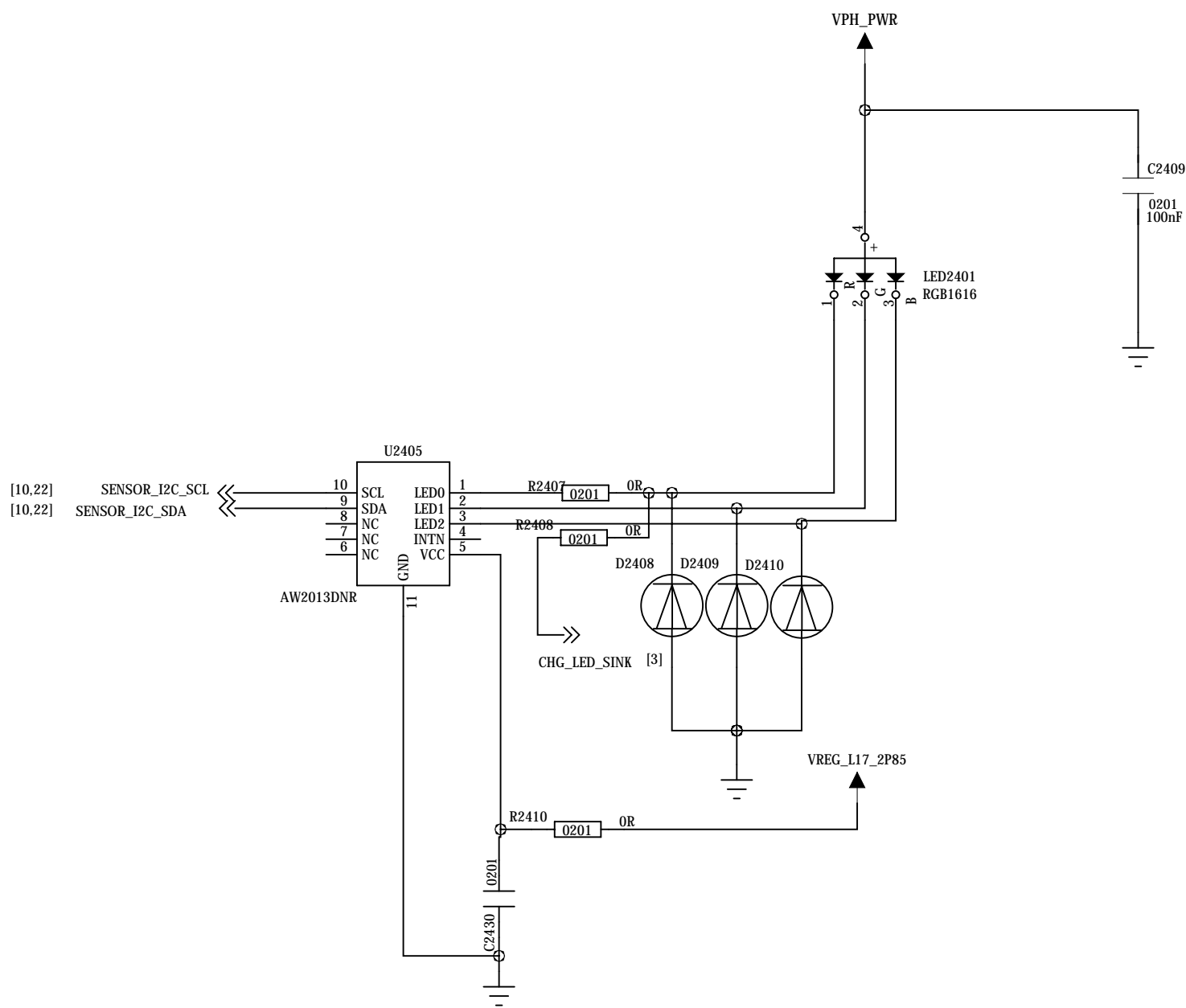
side key



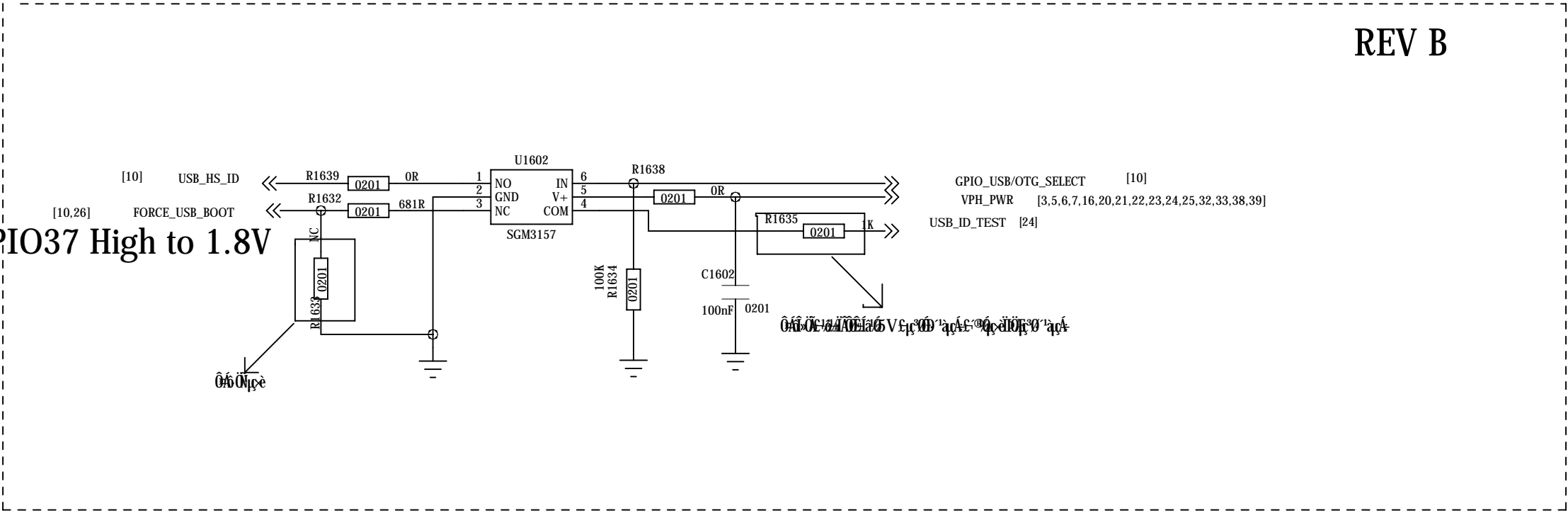
MAIN MIC+USB+SPKER



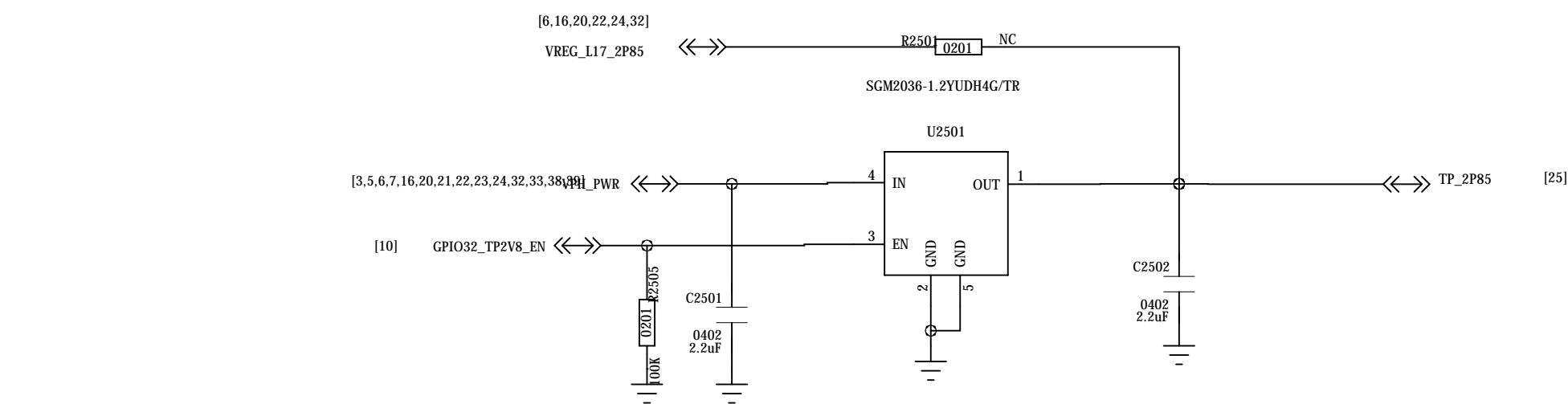
RGB LED



USB BOOT with GPIO37 High to 1.8V



REV B

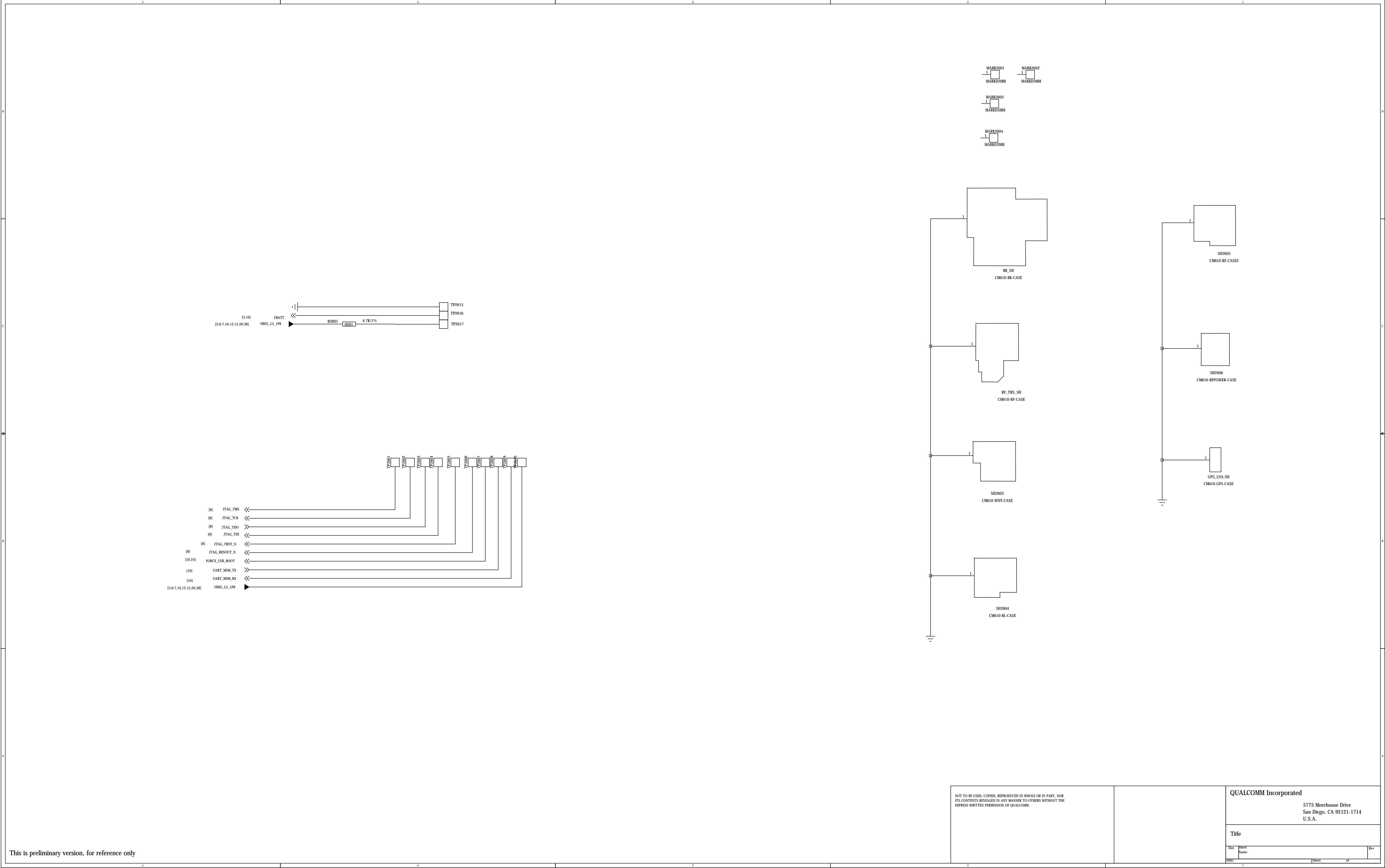


NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

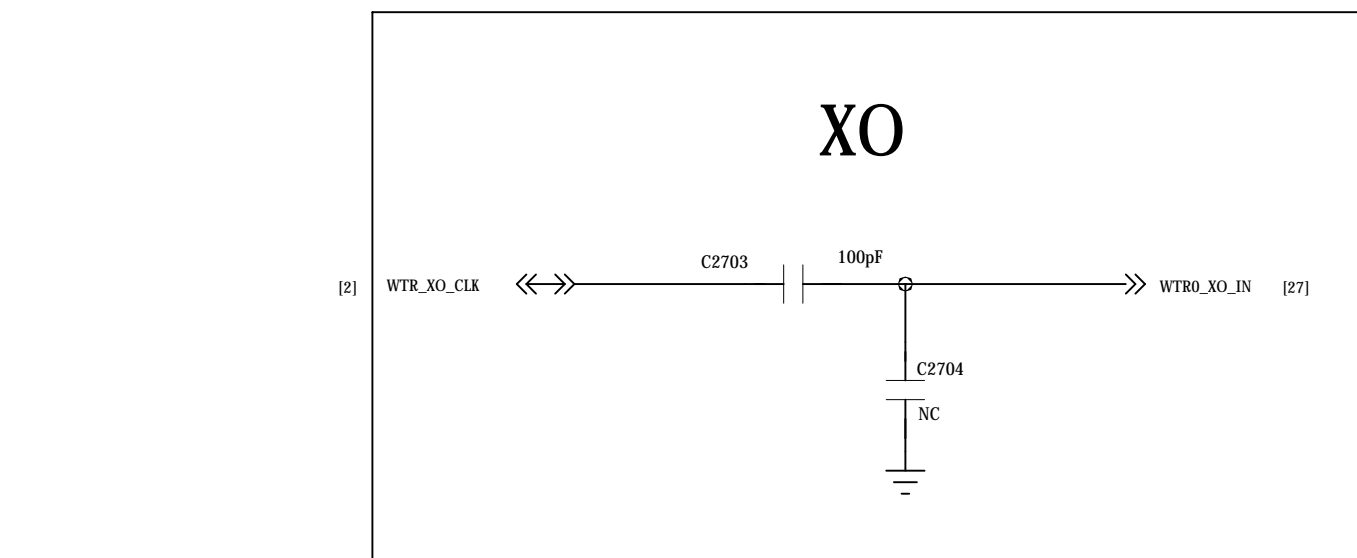
5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

| Size | Sheet |
|------|-------|
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 14 |
| 15 | 15 |
| 16 | 16 |
| 17 | 17 |
| 18 | 18 |
| 19 | 19 |
| 20 | 20 |
| 21 | 21 |
| 22 | 22 |
| 23 | 23 |
| 24 | 24 |
| 25 | 25 |
| 26 | 26 |
| 27 | 27 |
| 28 | 28 |
| 29 | 29 |
| 30 | 30 |
| 31 | 31 |
| 32 | 32 |
| 33 | 33 |
| 34 | 34 |
| 35 | 35 |
| 36 | 36 |
| 37 | 37 |
| 38 | 38 |
| 39 | 39 |
| 40 | 40 |
| 41 | 41 |
| 42 | 42 |
| 43 | 43 |
| 44 | 44 |
| 45 | 45 |
| 46 | 46 |
| 47 | 47 |
| 48 | 48 |
| 49 | 49 |
| 50 | 50 |
| 51 | 51 |
| 52 | 52 |
| 53 | 53 |
| 54 | 54 |
| 55 | 55 |
| 56 | 56 |
| 57 | 57 |
| 58 | 58 |
| 59 | 59 |
| 60 | 60 |
| 61 | 61 |
| 62 | 62 |
| 63 | 63 |
| 64 | 64 |
| 65 | 65 |
| 66 | 66 |
| 67 | 67 |
| 68 | 68 |
| 69 | 69 |
| 70 | 70 |
| 71 | 71 |
| 72 | 72 |
| 73 | 73 |
| 74 | 74 |
| 75 | 75 |
| 76 | 76 |
| 77 | 77 |
| 78 | 78 |
| 79 | 79 |
| 80 | 80 |
| 81 | 81 |
| 82 | 82 |
| 83 | 83 |
| 84 | 84 |
| 85 | 85 |
| 86 | 86 |
| 87 | 87 |
| 88 | 88 |
| 89 | 89 |
| 90 | 90 |
| 91 | 91 |
| 92 | 92 |
| 93 | 93 |
| 94 | 94 |
| 95 | 95 |
| 96 | 96 |
| 97 | 97 |
| 98 | 98 |
| 99 | 99 |
| 100 | 100 |

Date: _____ Sheet _____ of _____



This is preliminary version, for reference only

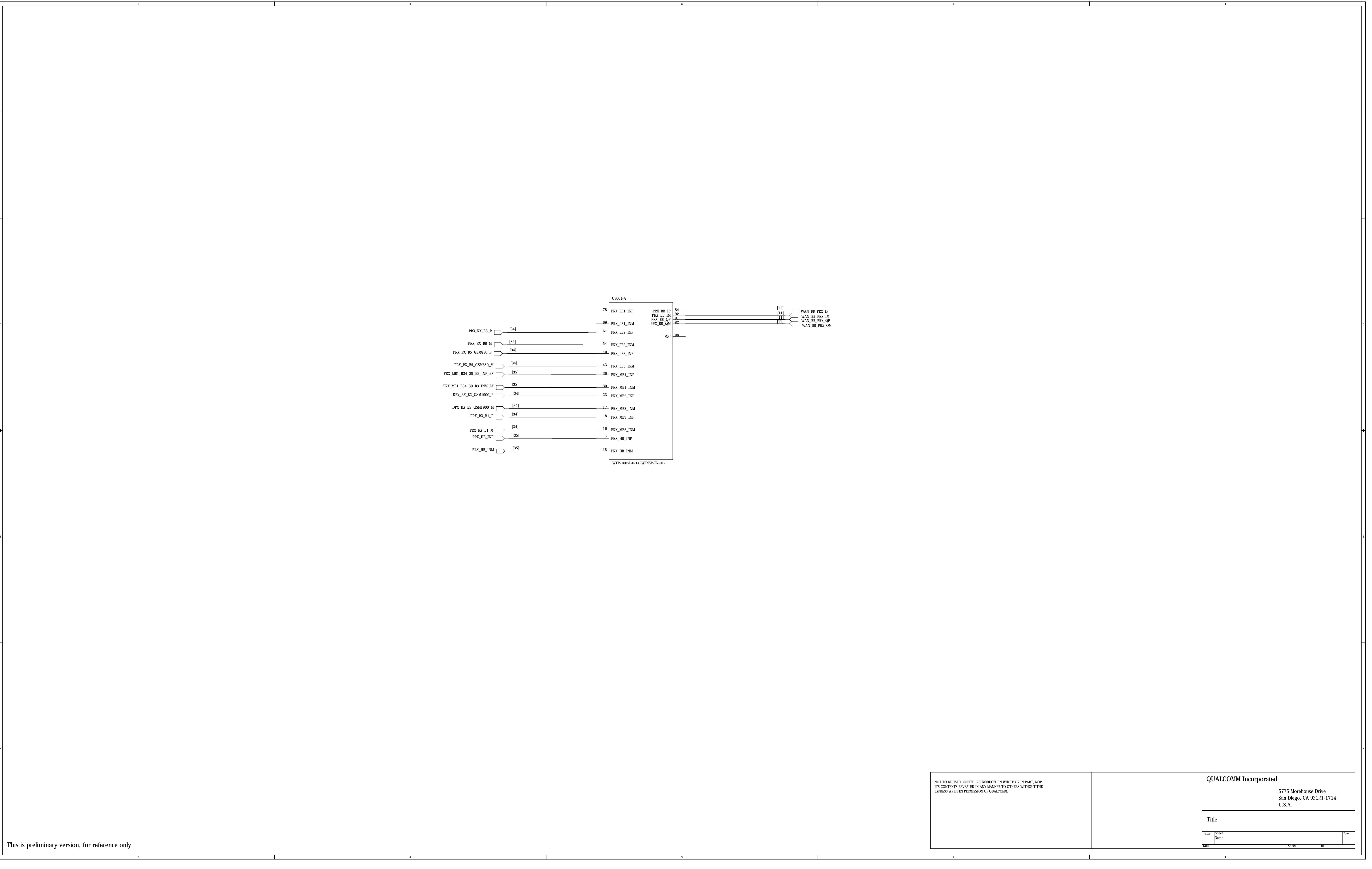


NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

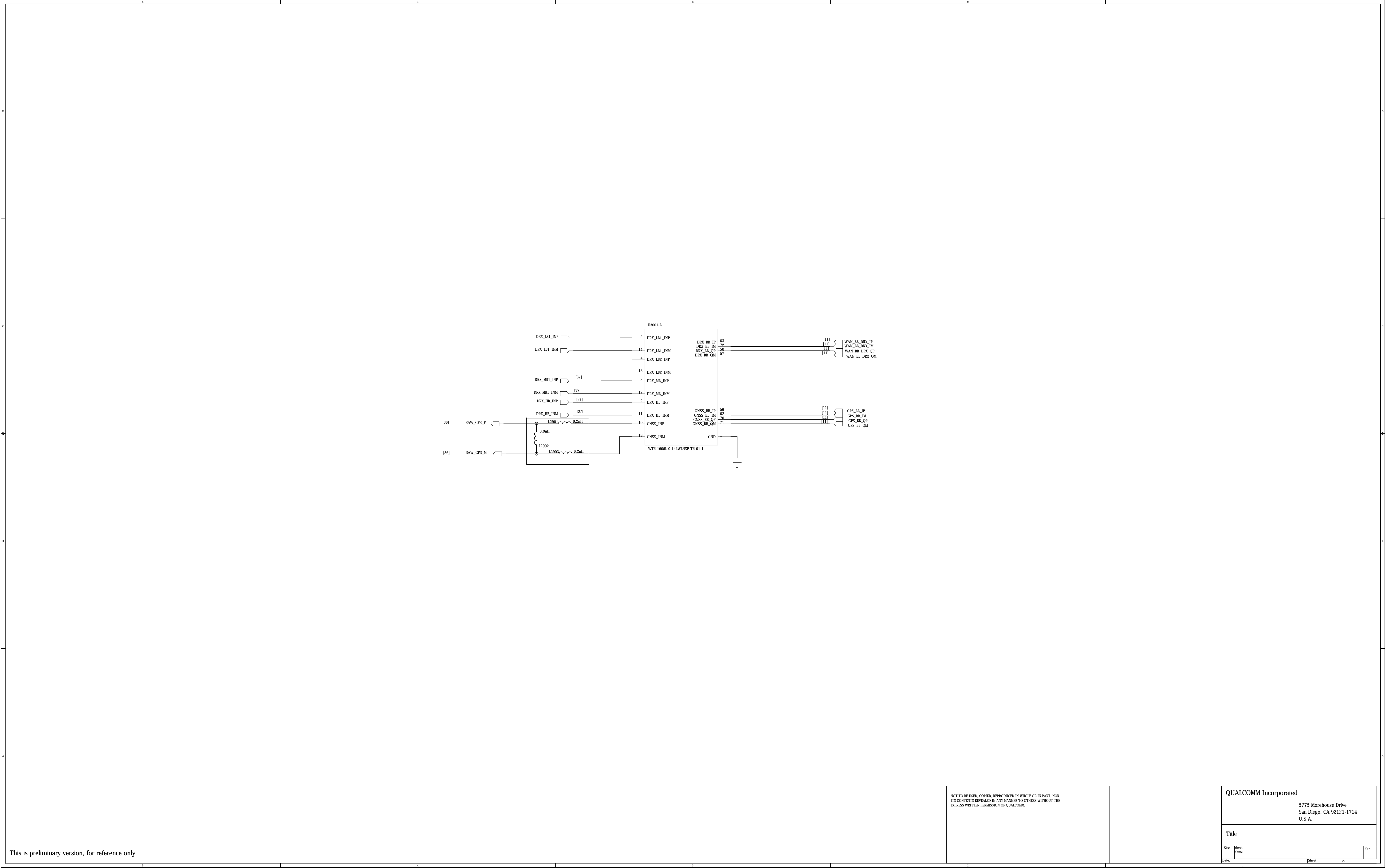
5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

| | | |
|------|-------|--|
| Size | Sheet | |
|------|-------|--|

| | | |
|-------|-------|----|
| Date: | Sheet | of |
|-------|-------|----|



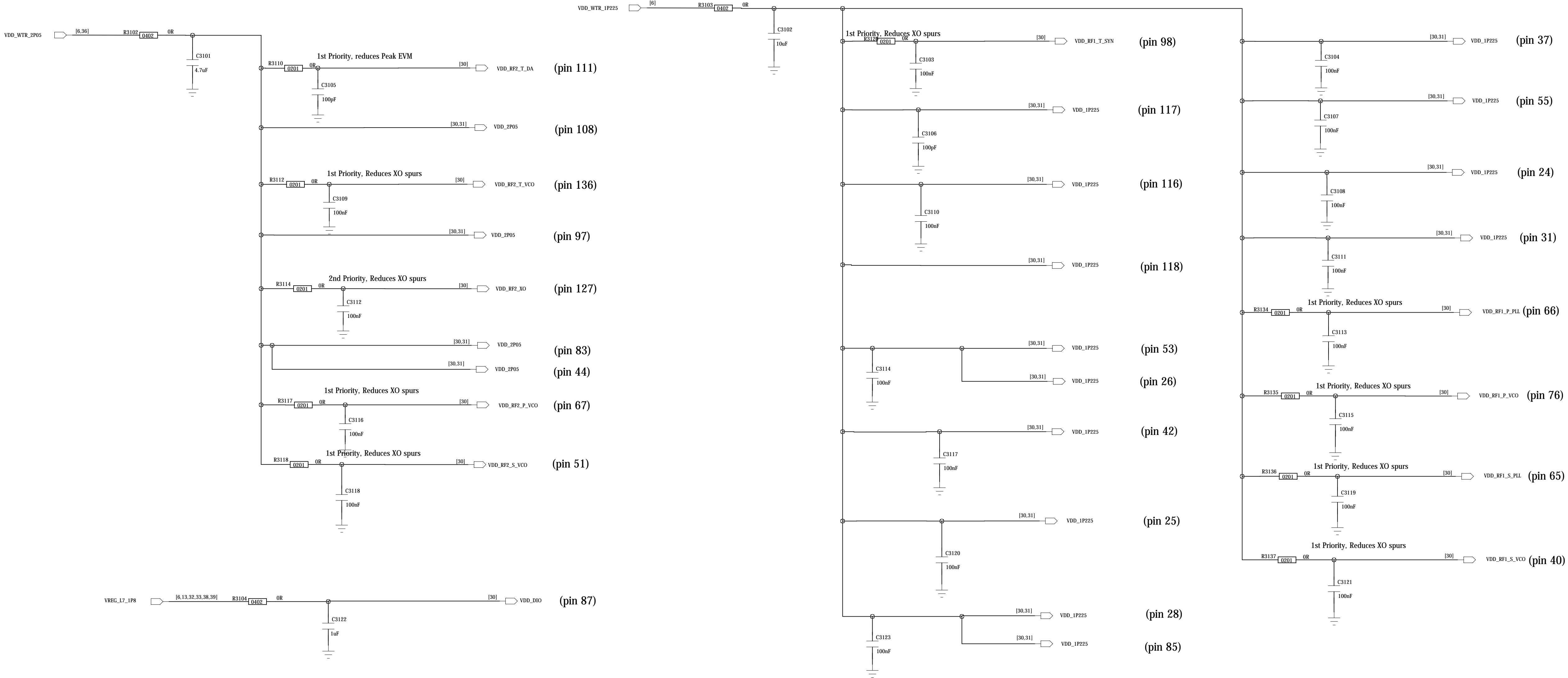
| | | | | | | | | | |
|--|-------|---|------|-------|-----|------|--|--|------|
| <p>NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.</p> | | <p>QUALCOMM Incorporated</p> <p>5775 Morehouse Drive San Diego, CA 92121-1714 U.S.A.</p> | | | | | | | |
| | | <p>Title</p> | | | | | | | |
| | | <table border="1"> <tr> <td>Size</td> <td>Sheet</td> <td>Rev</td> </tr> <tr> <td>Name</td> <td></td> <td></td> </tr> <tr> <td>Date</td> <td>Sheet</td> <td>of</td> </tr> </table> | Size | Sheet | Rev | Name | | | Date |
| Size | Sheet | Rev | | | | | | | |
| Name | | | | | | | | | |
| Date | Sheet | of | | | | | | | |



This is preliminary version, for reference only

| | | | |
|---|-------|--|--|
| NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM. | | QUALCOMM Incorporated | |
| | | 5775 Morehouse Drive San Diego, CA 92121-1714 U.S.A. | |
| | | Title | |
| Size | Sheet | Rev | |
| Title | | Sheet of | |

RF1 = 1.225V
RF2 = 2.05V
VDD_DIO = 1.8V



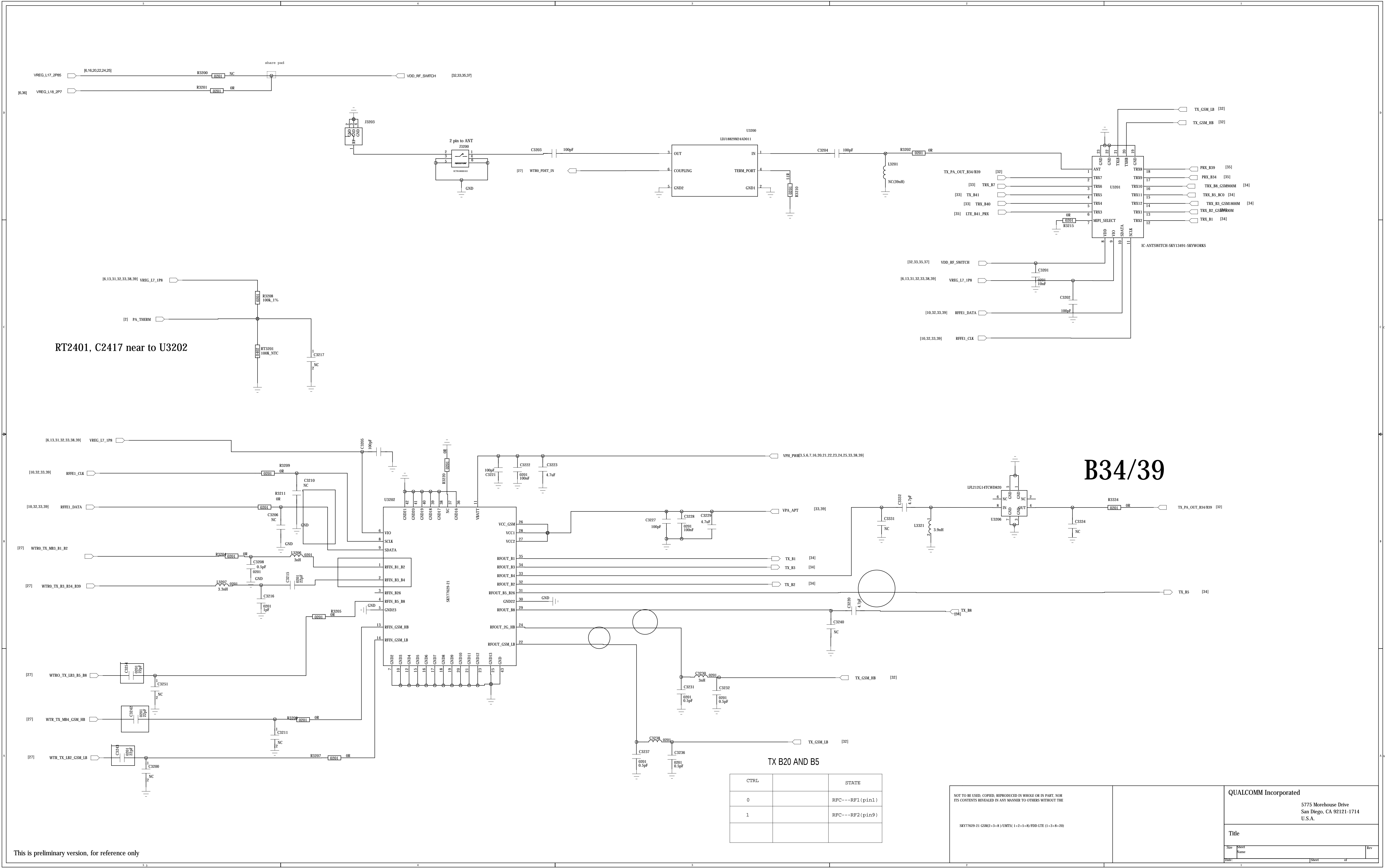
NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

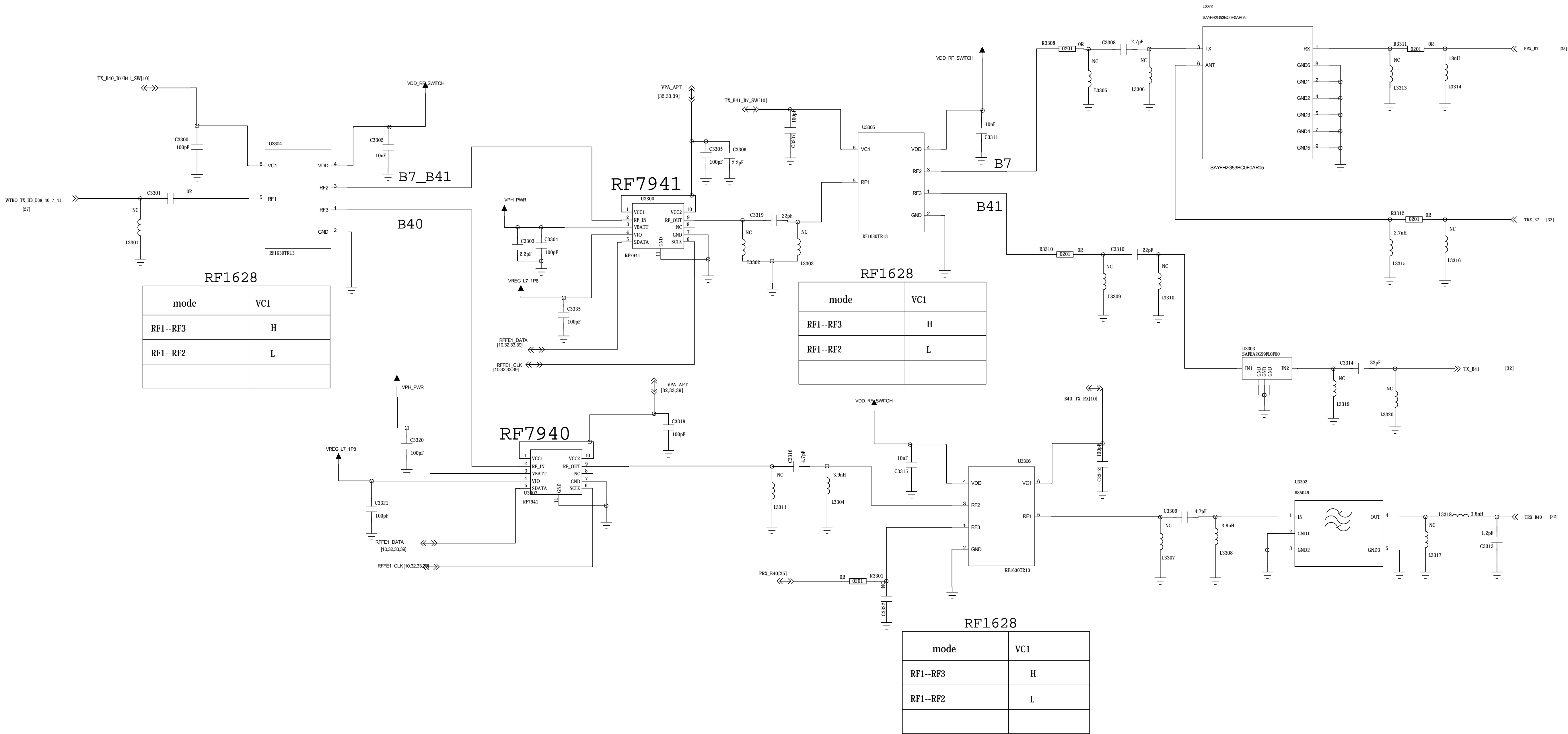
QUALCOMM Incorporated
5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

| Title | |
|-------|-----|
| Size | Rev |
| Sheet | 1 |

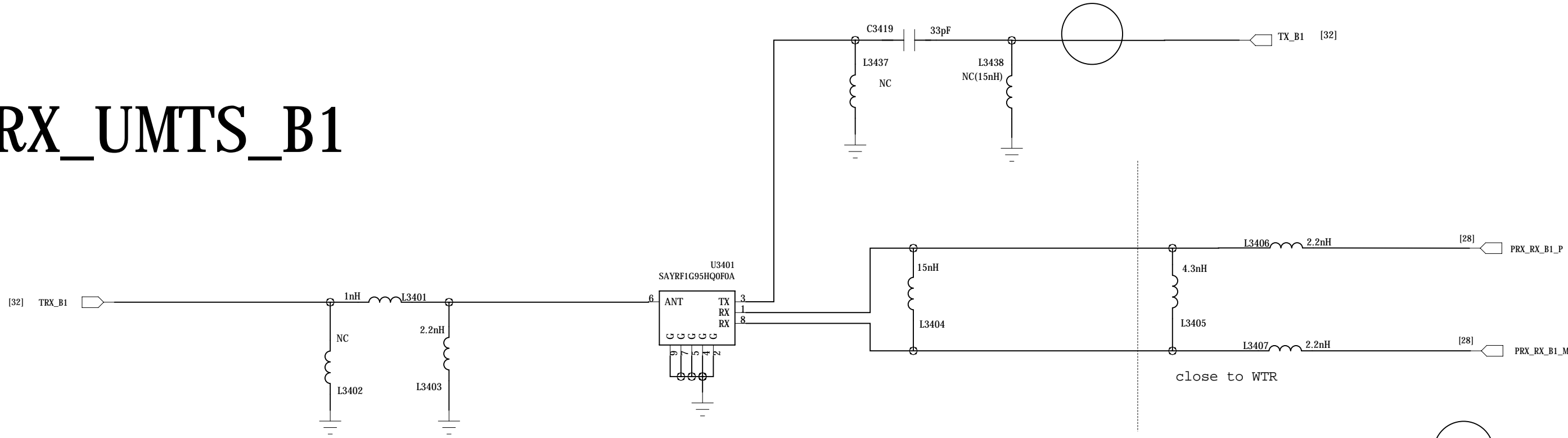
SKY77629-21 GSM(2+3+8)/UMTS(1+2+5+8)/FDD-LTE (1+3+8)



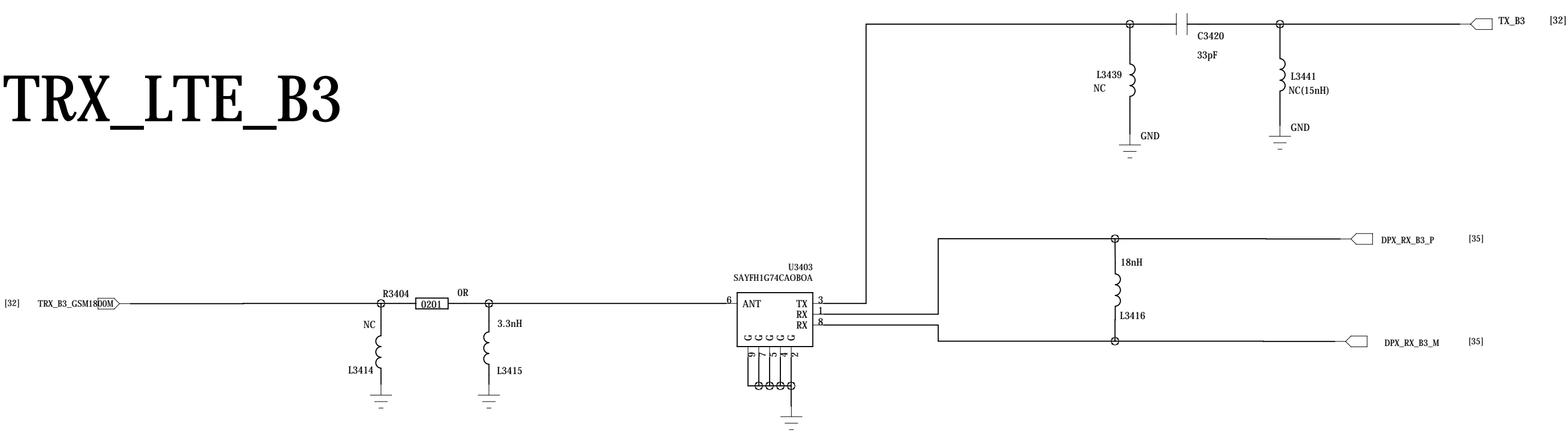
RF7940/RF7941_B7/40/41



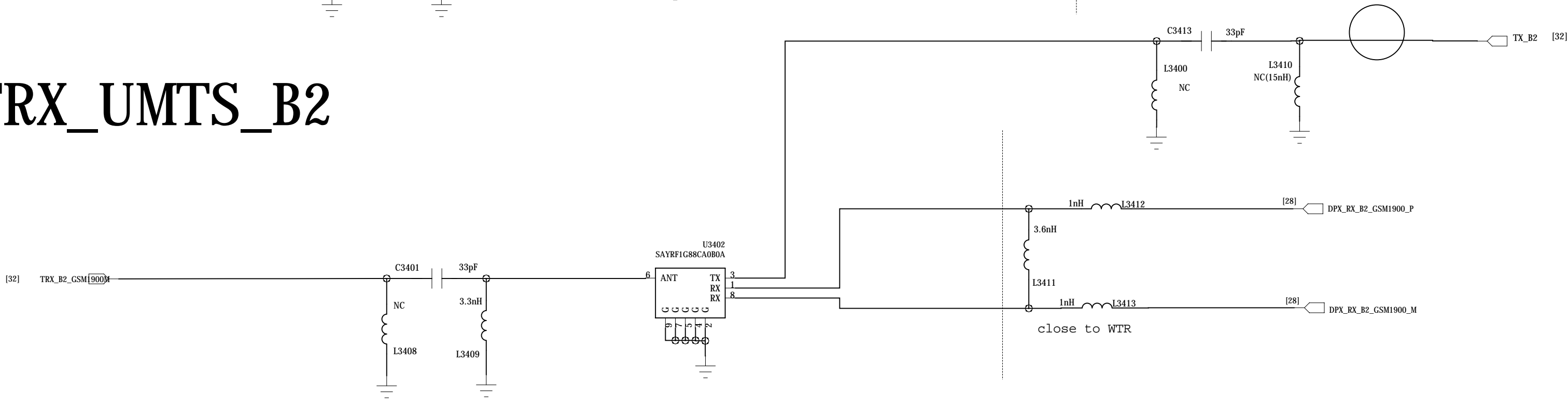
RX_UMTS_B1



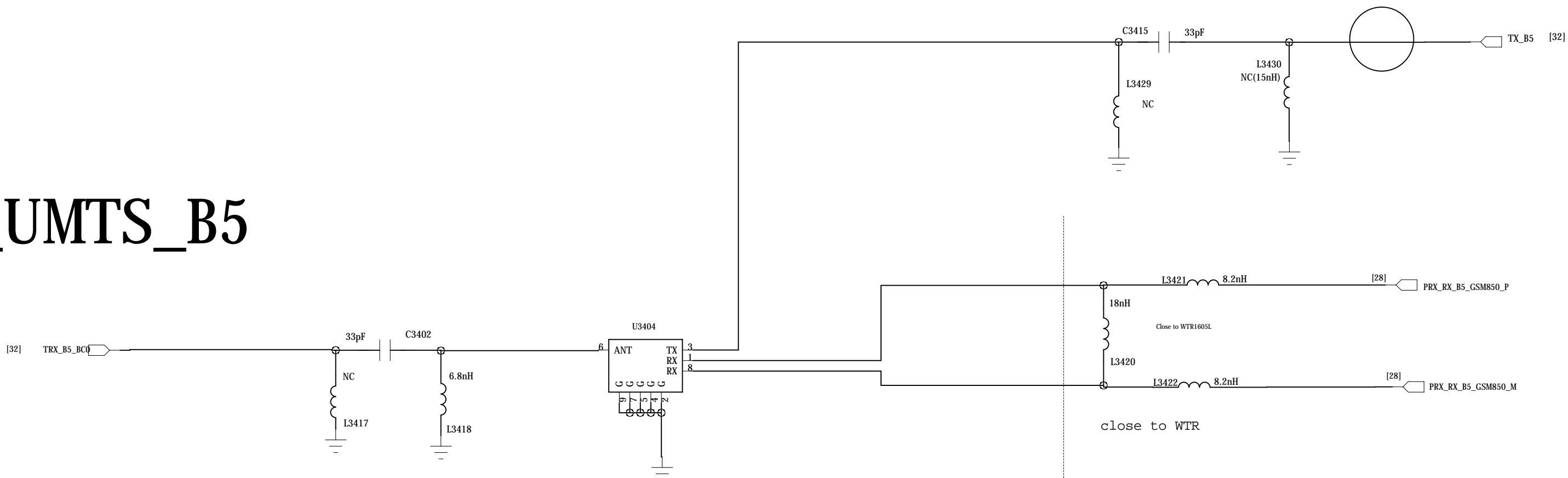
TRX_LTE_B3



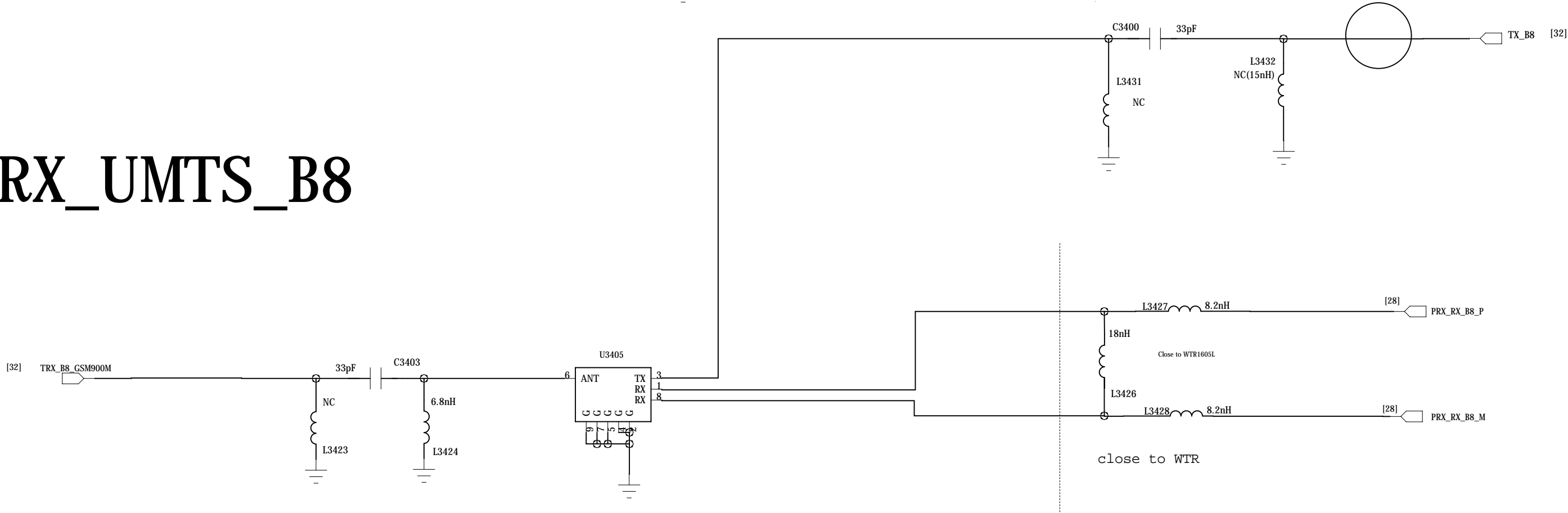
TRX_UMTS_B2



TRX_UMTS_B5

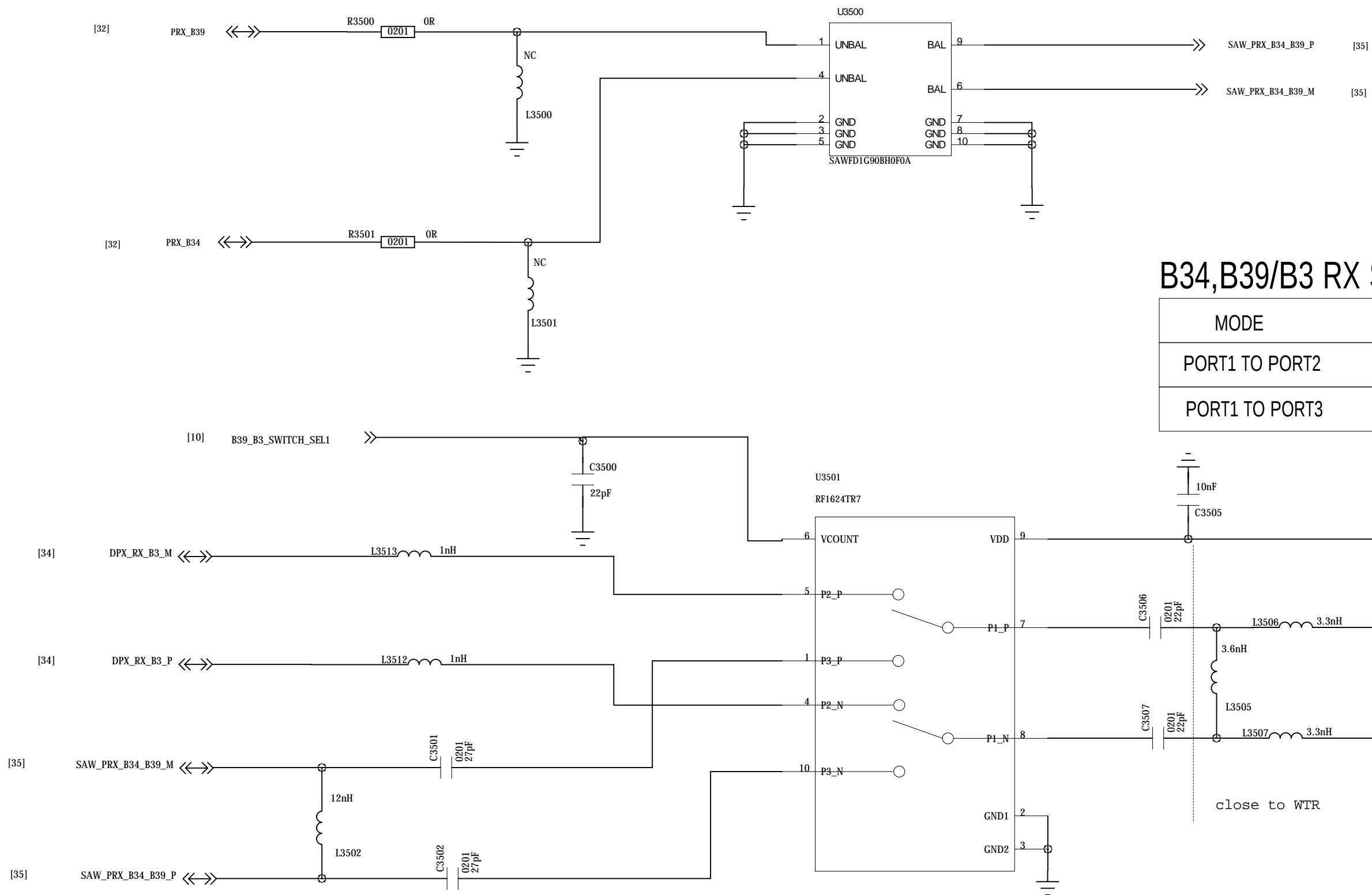


TRX_UMTS_B8



PRX_B34/B39

4/10 modif



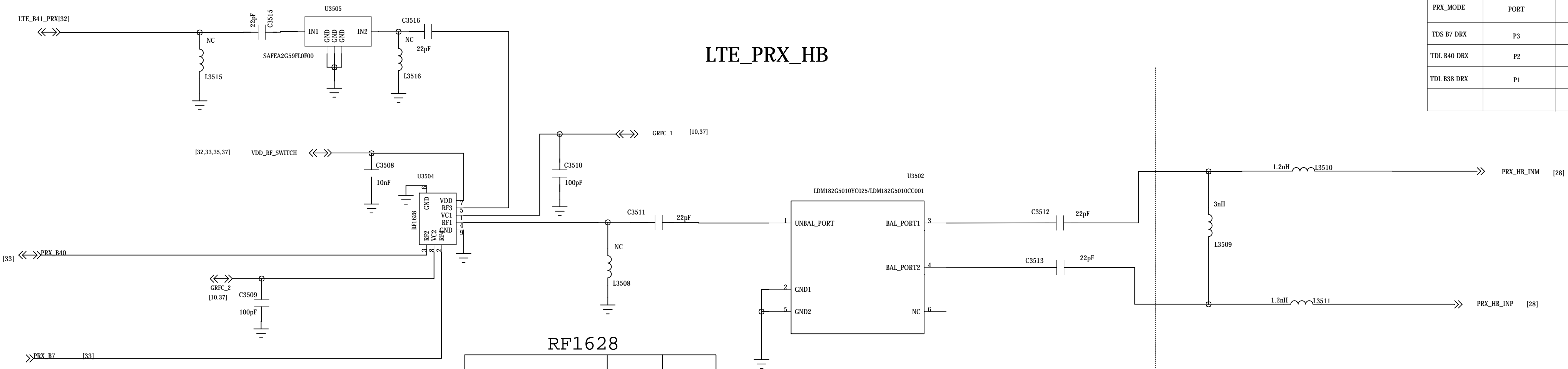
B34,B39/B3 RX Switch

| MODE | B39_B3_SWITCH_SEL |
|----------------|-------------------|
| PORT1 TO PORT2 | L |
| PORT1 TO PORT3 | H |

PRX_B7,B38,B40,Switch Logic

| PRX_MODE | PORT | GRFC_1 | GRFC_2 |
|-------------|------|--------|--------|
| TDS B7 DEX | P3 | H | L |
| TDL B40 DEX | P2 | L | H |
| TDL B38 DEX | P1 | L | L |
| | | | |

LTE_PRX_HB



RF1628

| mode | VCTL1 | VCTL2 |
|----------|-------|-------|
| RF1--RF3 | L | H |
| RF1--RF2 | H | L |
| RF1--RF4 | H | H |

BYPASS LNA&FILTER



| | | |
|-------|------------|-----|
| Size | Sheet Name | Rev |
| Date: | Sheet of | |

[illegible]

This is preliminary version, for reference only

| mode | VCTL1 | VCTL2 |
|----------|-------|-------|
| RF1--RF3 | L | H |
| RF1--RF2 | H | L |
| RF1--RF4 | H | H |

LTE B1_B39_B3 RX Switch

| | |
|----------|-----|
| mode | VC1 |
| RF1--RF3 | H |
| RF1--RF2 | L |
| | |

| mode | VCTL1 | VCTL2 |
|----------|-------|-------|
| RF1--RF3 | L | H |
| RF1--RF2 | H | L |
| RF1--RF4 | H | H |

NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM.

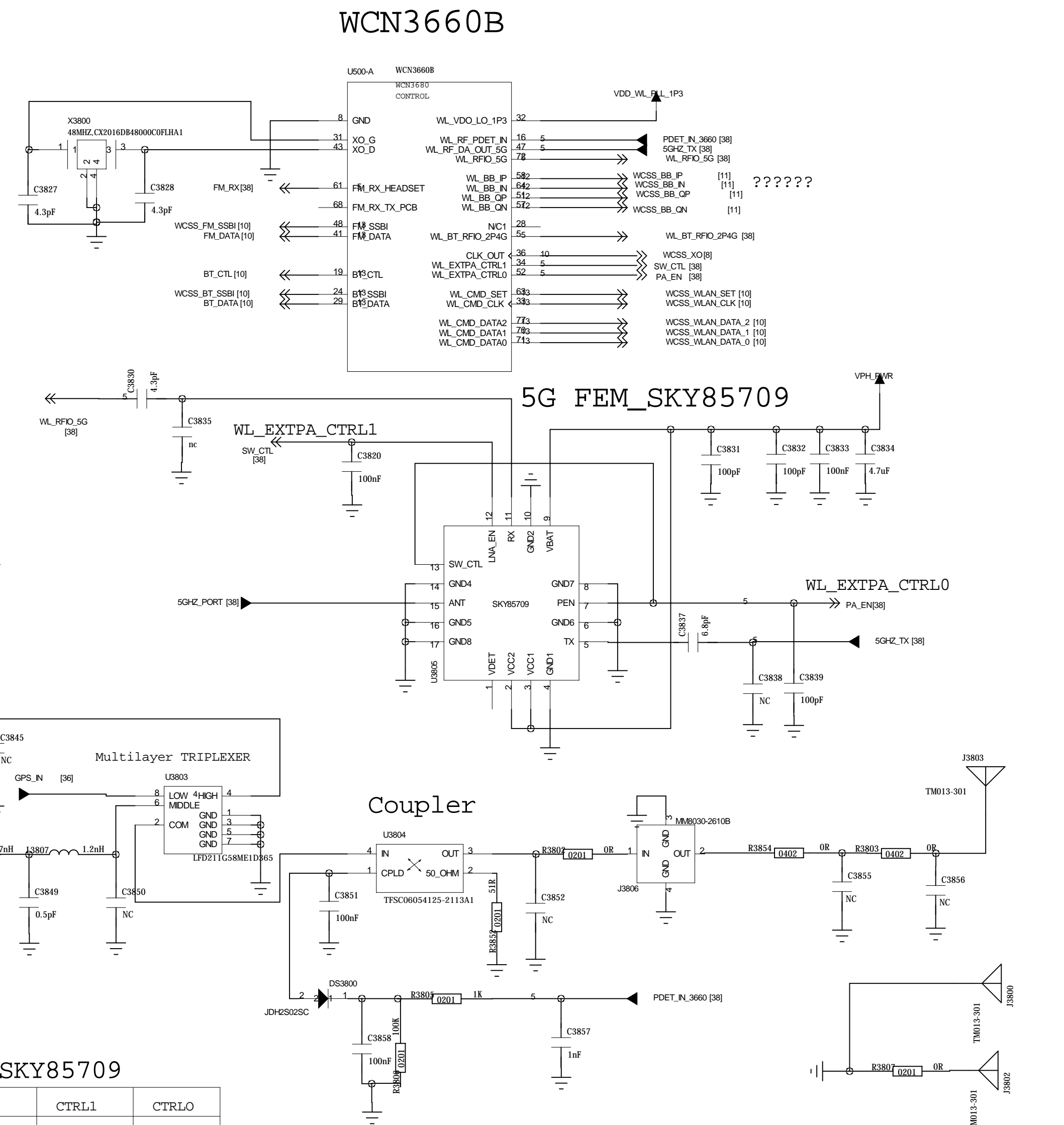
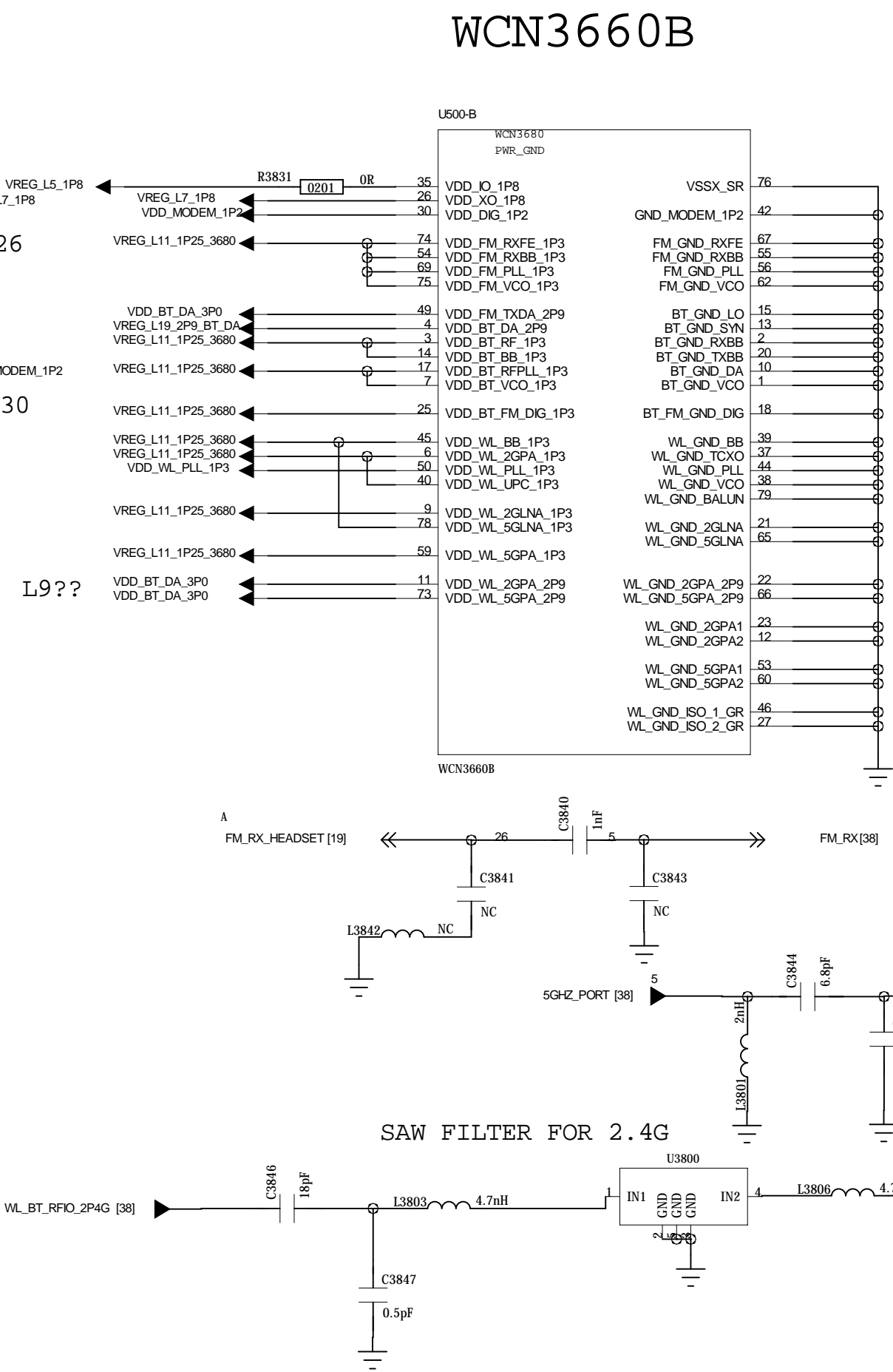
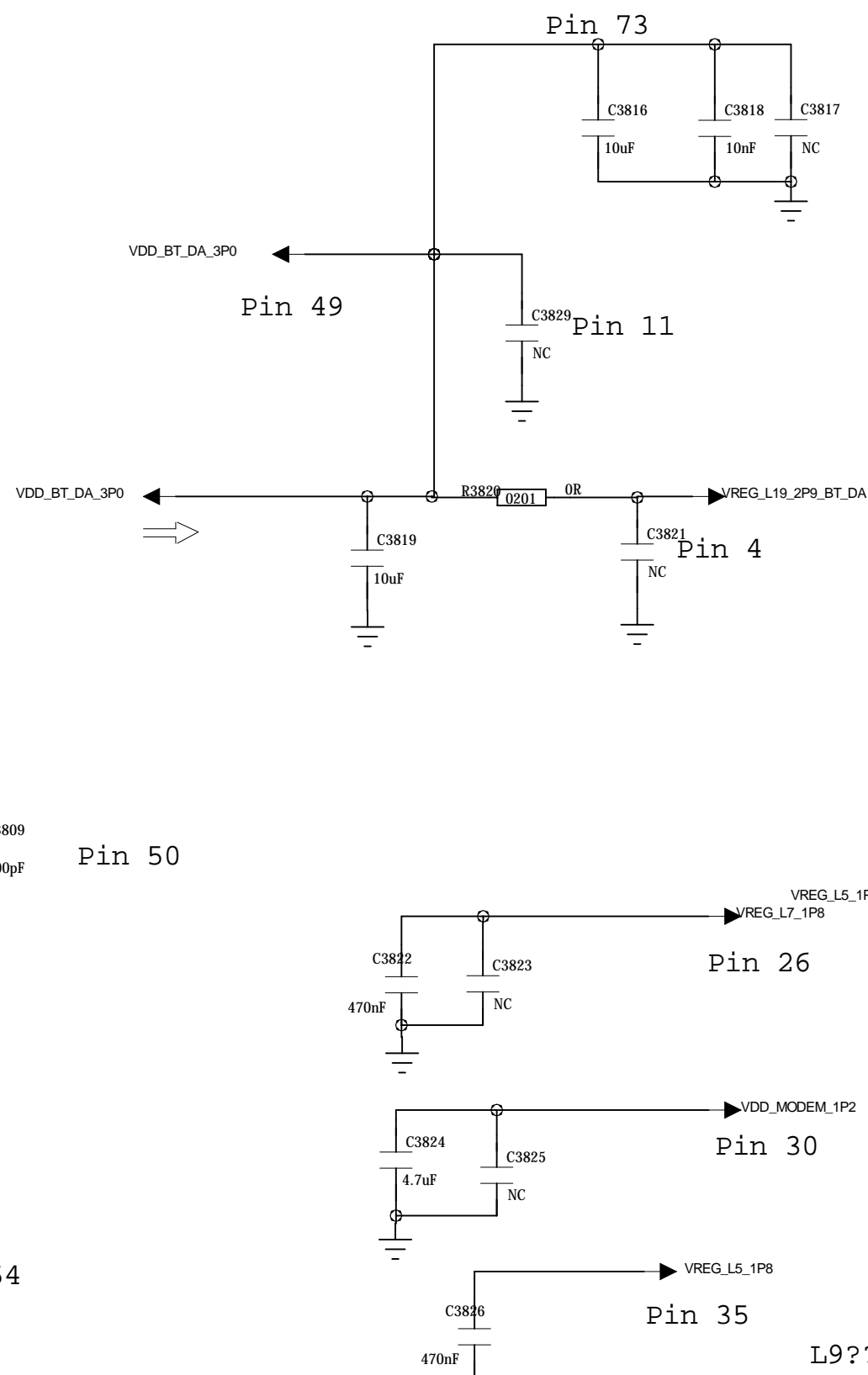
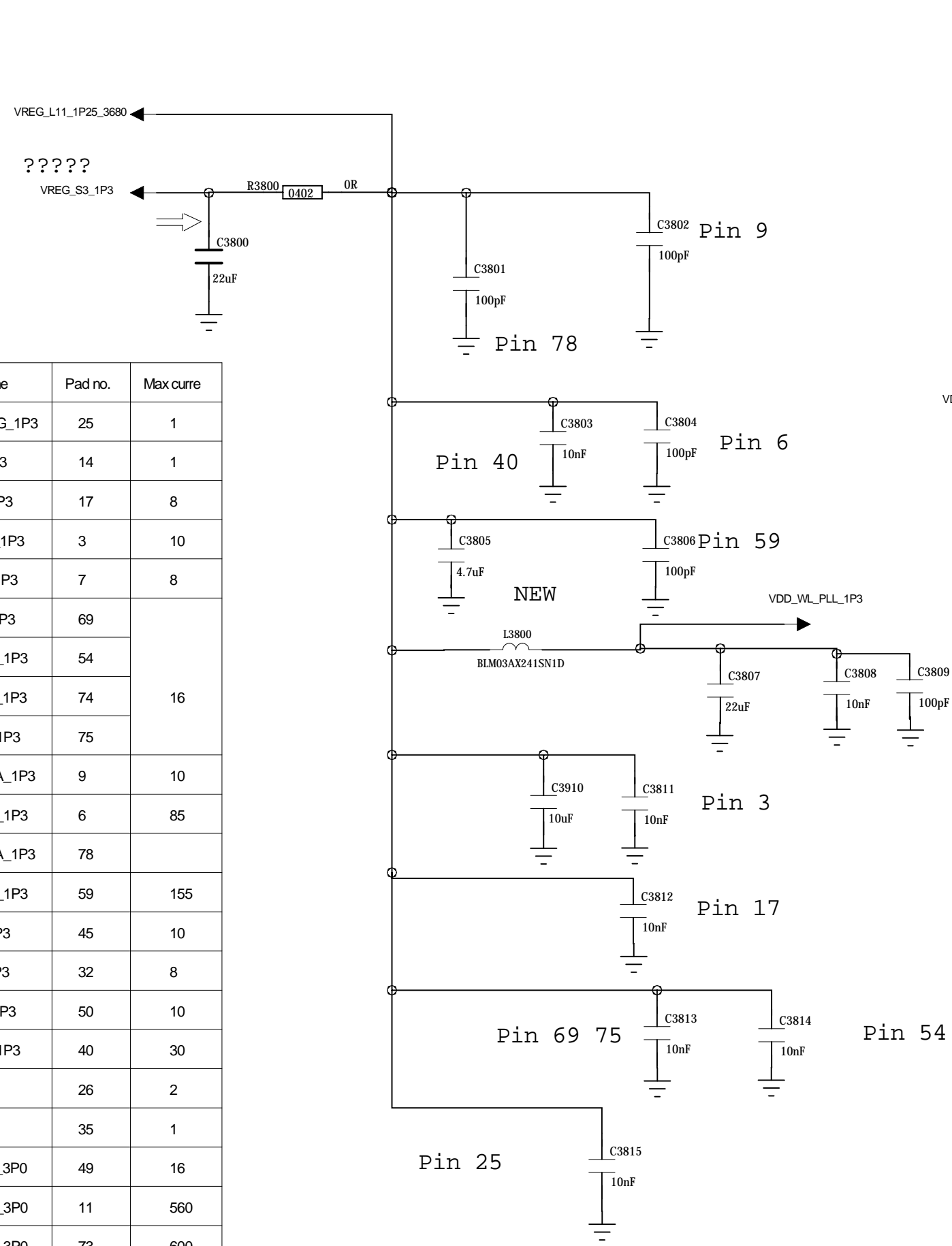
QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714
U.S.A.

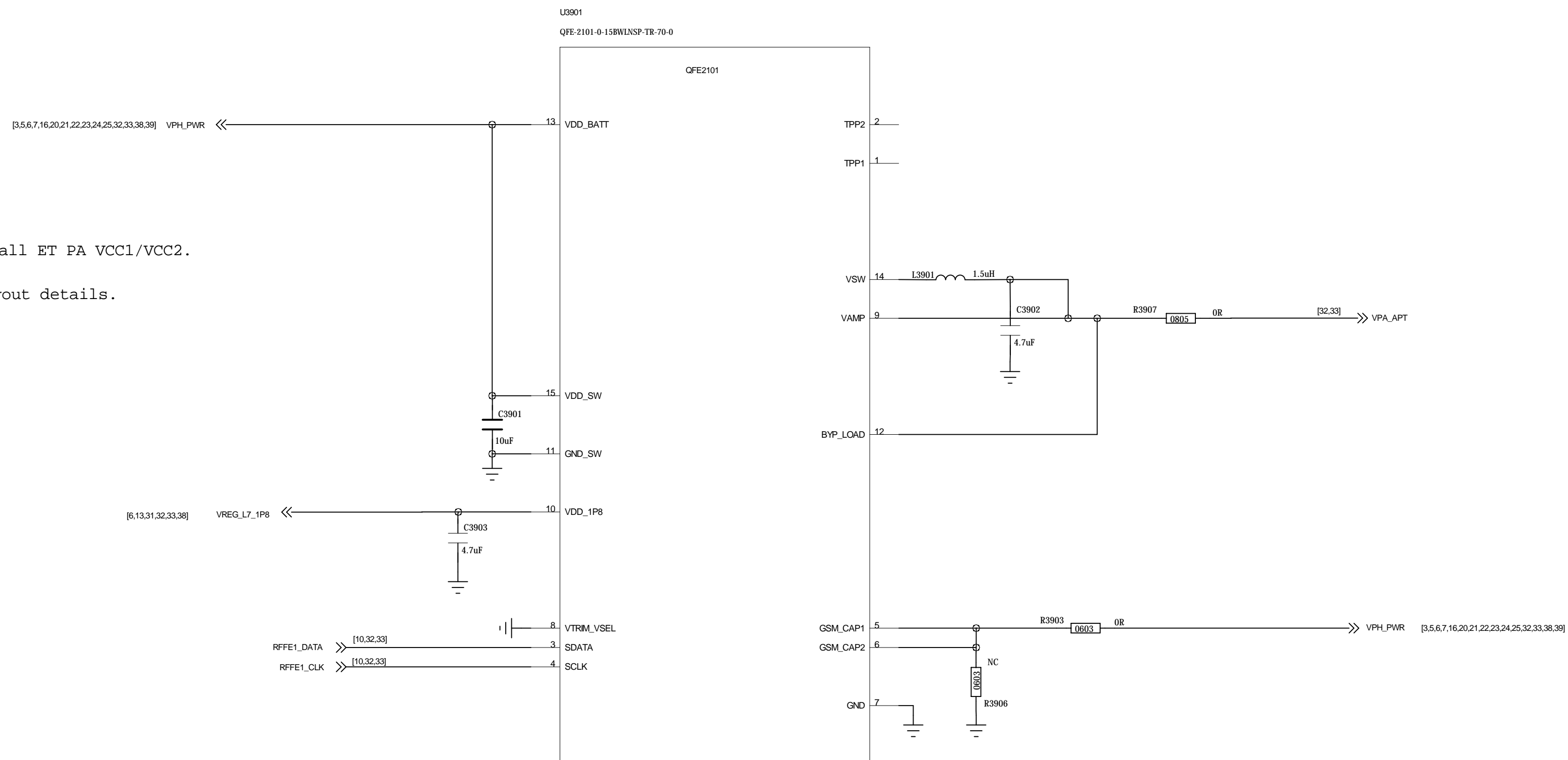
Title

| Size | Street Name | Rev |
|------|-------------|-----|
|------|-------------|-----|

| Voltage | Pad name | Pad no. | Max cure |
|----------------|-------------------|---------|----------|
| 1P3 | VDD_BT_FM_DIG_1P3 | 25 | 1 |
| | VDD_BT_BB_1P3 | 14 | 1 |
| | VDD_BT_PLL_1P3 | 17 | 8 |
| | VDD_BT_RXRF_1P3 | 3 | 10 |
| | VDD_BT_VCO_1P3 | 7 | 8 |
| | VDD_FM_PLL_1P3 | 69 | 16 |
| | VDD_FM_RXBB_1P3 | 54 | |
| | VDD_FM_RXFE_1P3 | 74 | |
| | VDD_FM_VCO_1P3 | 75 | |
| | VDD_WL_2GLNA_1P3 | 9 | 10 |
| | VDD_WL_2GPA_1P3 | 6 | 85 |
| | VDD_WL_5GLNA_1P3 | 78 | |
| | VDD_WL_5GPA_1P3 | 59 | 155 |
| | VDD_WL_BB_1P3 | 45 | 10 |
| | VDD_WL_LO_1P3 | 32 | 8 |
| | VDD_WL_PLL_1P3 | 50 | 10 |
| VDD_WL_UPC_1P3 | 40 | 30 | |
| 1P8 | VDD_XO_1P8 | 26 | 2 |
| | VDD_ID_1P8 | 35 | 1 |
| 3P0 | VDD_FM_TXDA_3P0 | 49 | 16 |
| | VDD_WL_2GPA_3P0 | 11 | 560 |
| | VDD_WL_5GPA_3P0 | 73 | 600 |
| | VDD_BT_TXRF_3P0 | 4 | 45 |
| 1P2 | VDD_DIG_1P2 | 30 | 4 |



| MODE | CTRL1 | CTRL0 |
|----------|-------|-------|
| 5G_RX | HIGH | LOW |
| 5G_TX | LOW | HIGH |
| WLAN_OFF | LOW | LOW |



| | | | | | |
|---|-------|-------|---|--|--|
| NOT TO BE USED, COPIED, REPRODUCED IN WHOLE OR IN PART, NOR ITS CONTENTS REVEALED IN ANY MANNER TO OTHERS WITHOUT THE EXPRESS WRITTEN PERMISSION OF QUALCOMM. | | | QUALCOMM Incorporated 5775 Morehouse Drive San Diego, CA 92121-1714 U.S.A. | | |
| | | | Title | | |
| Size | Sheet | Rev | | | |
| Name | | | | | |
| Date | | Sheet | of | | |

0822 change list

1; c-DELETE DC block;C3214/C3219/C3418/C3412/C3414

1;cDELETE TX_R5 matching closed PA;C3274/L3273/L3276