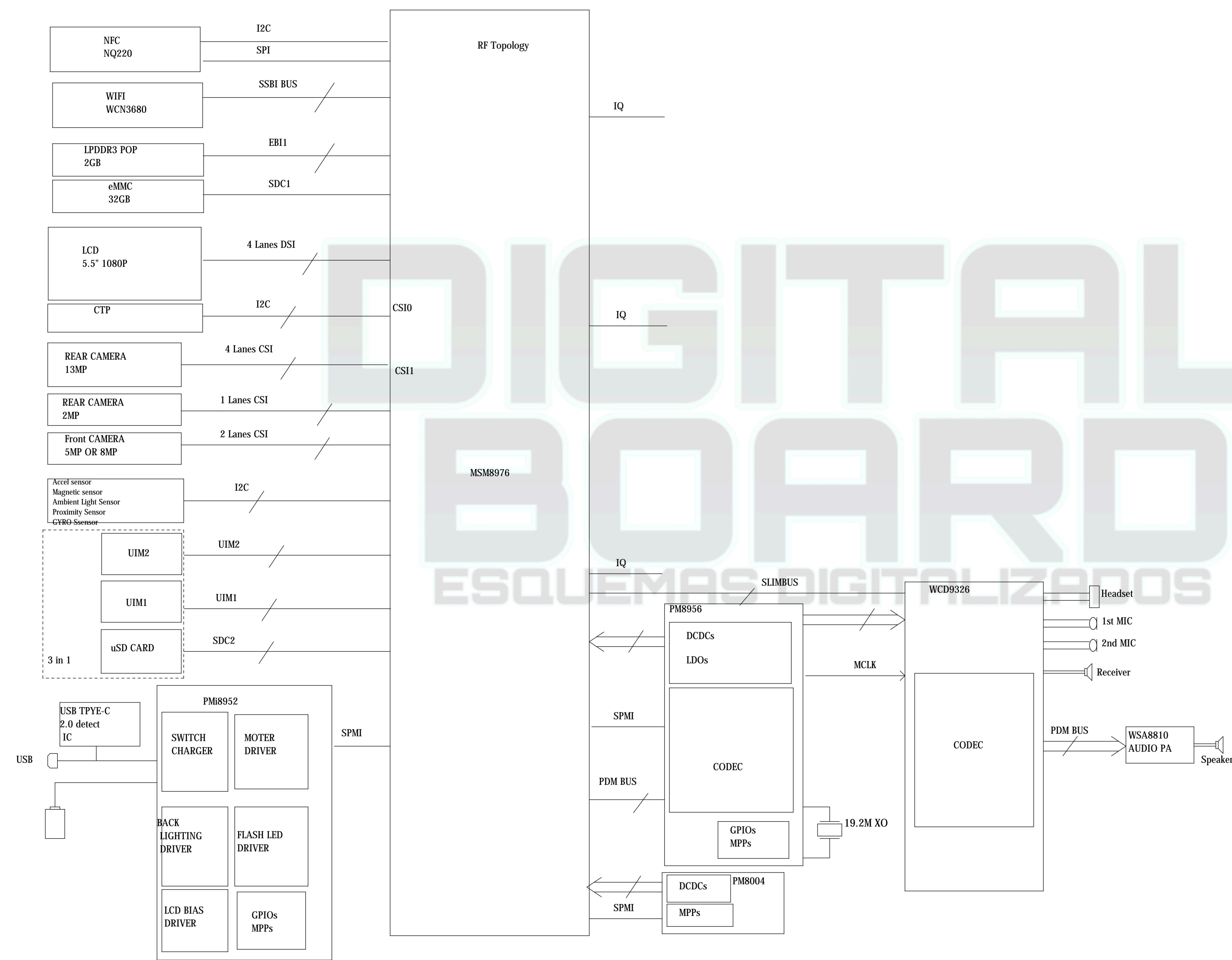


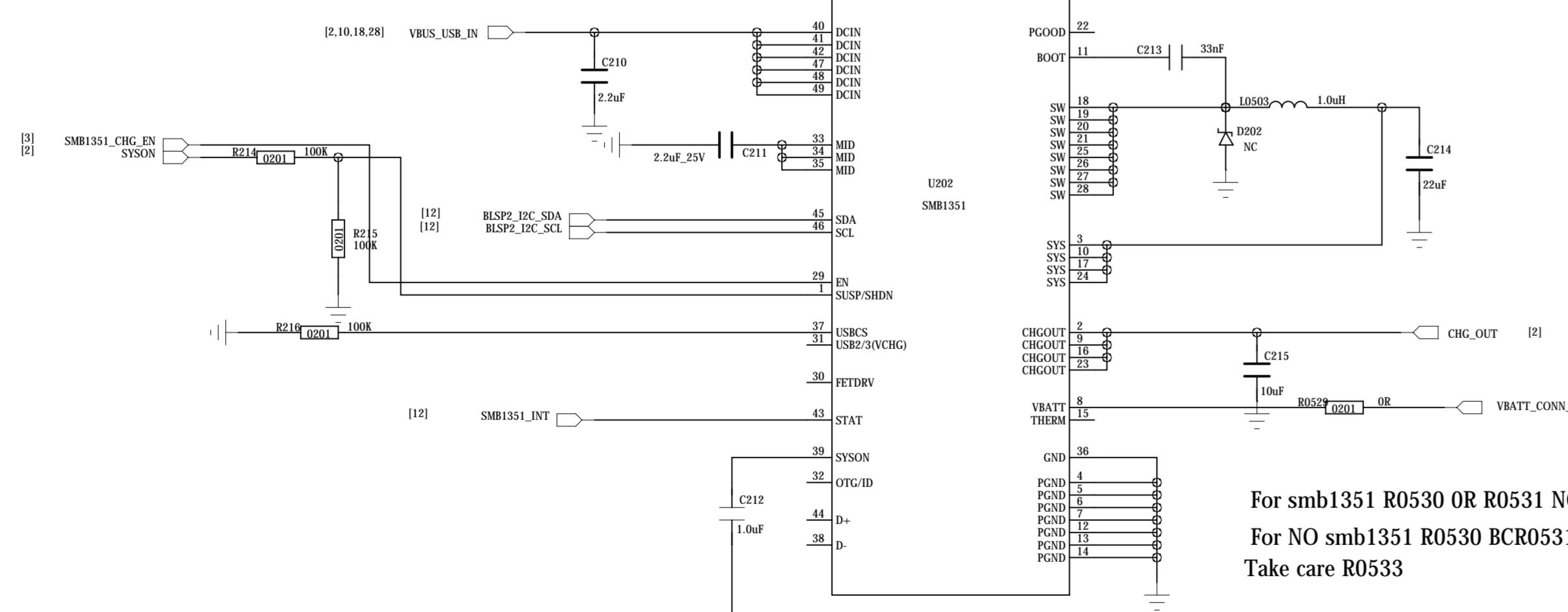
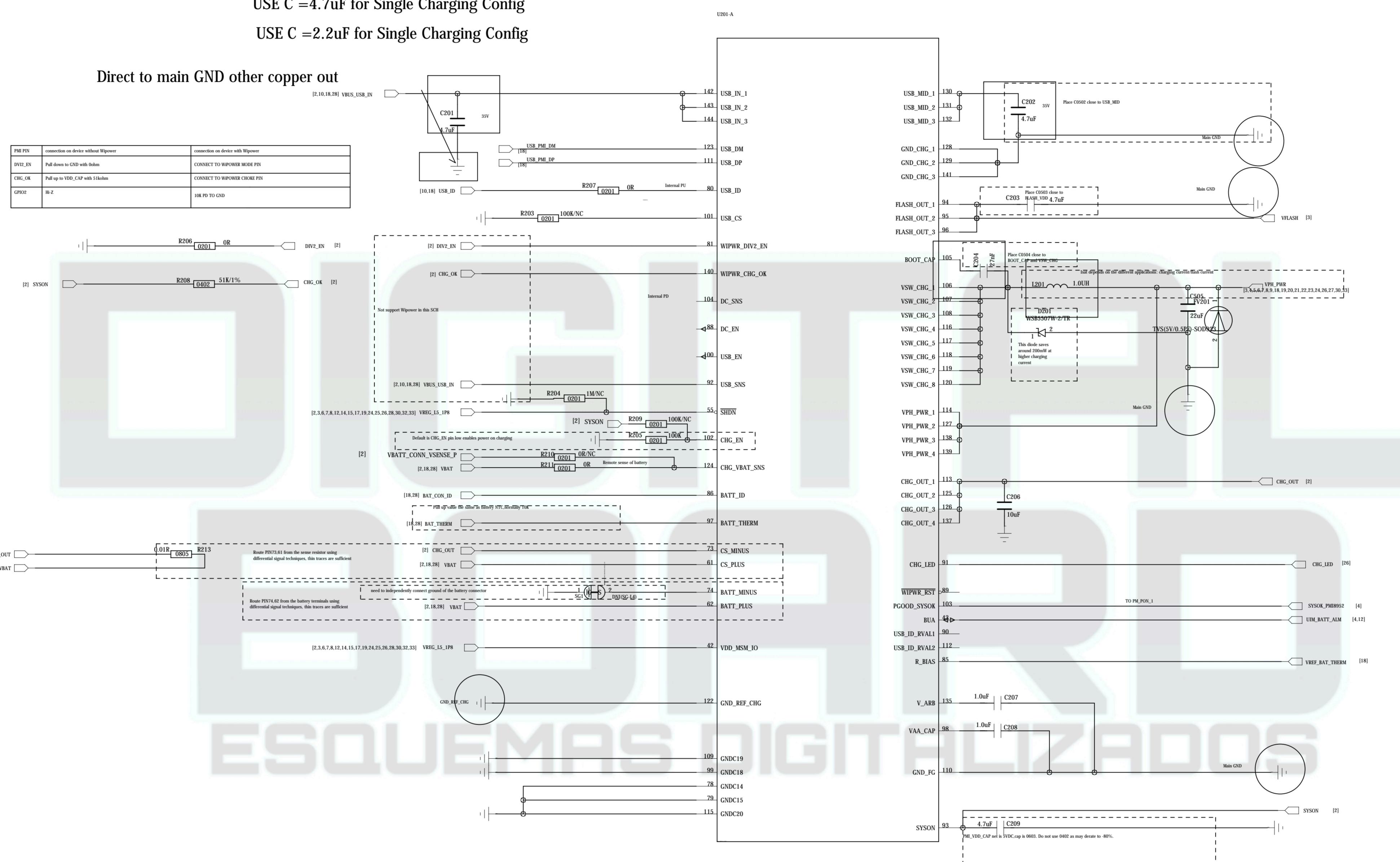
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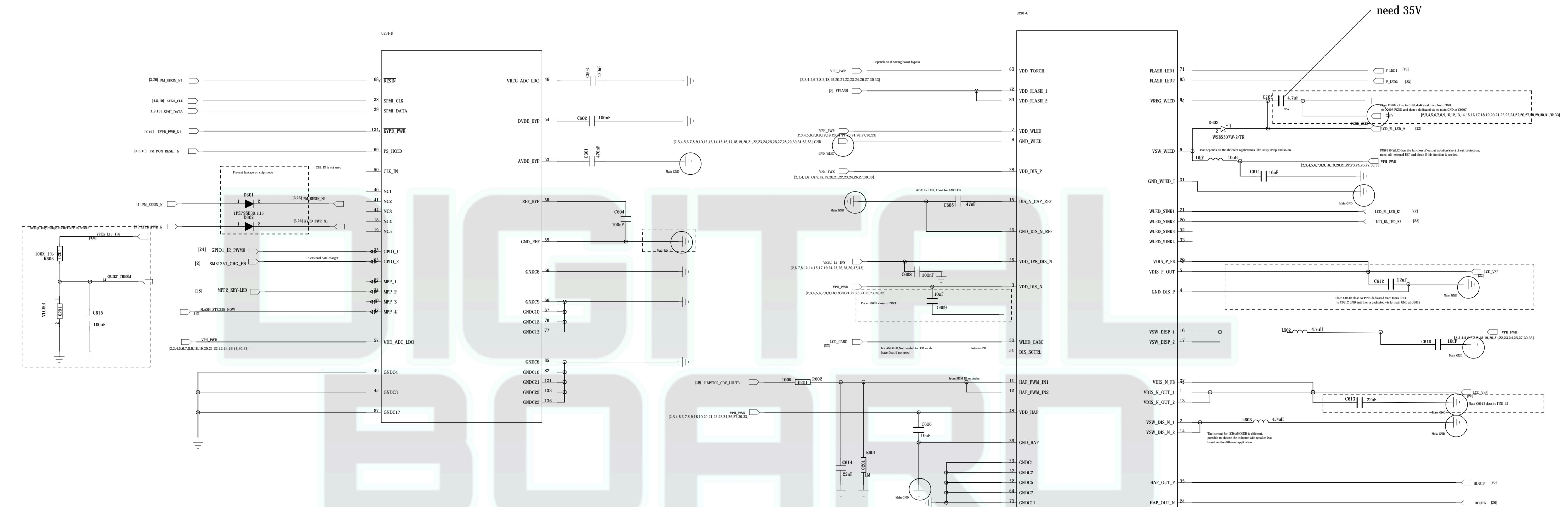
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USE C =4.7uF for Single Charging Config  
USE C =2.2uF for Single Charging Config

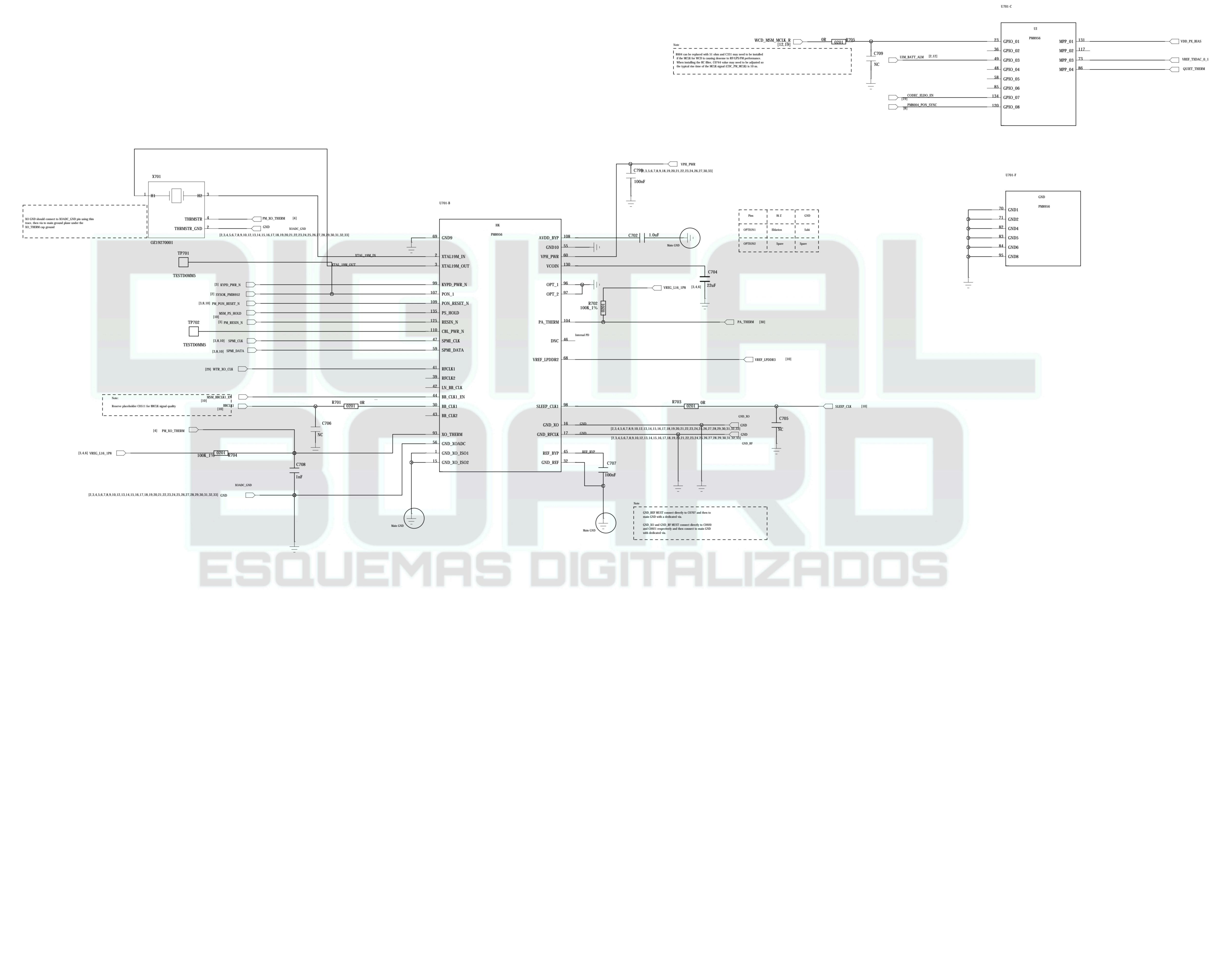


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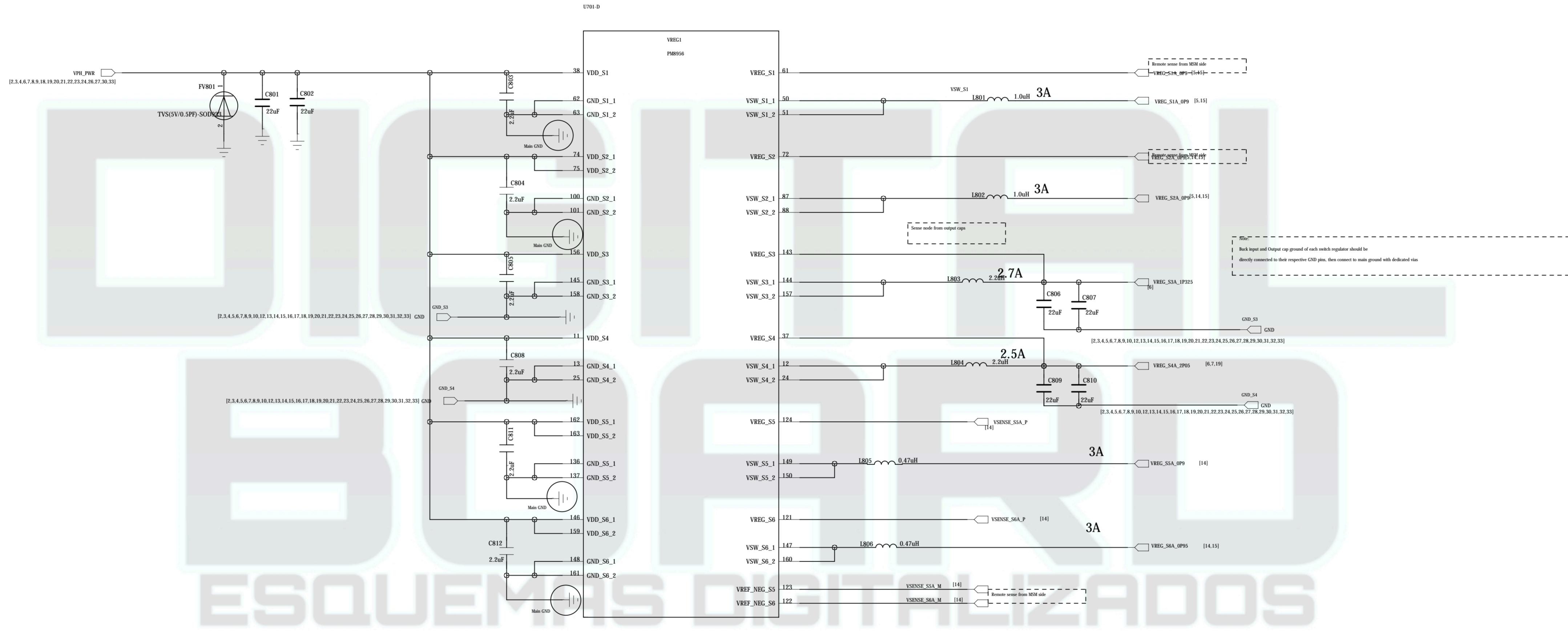
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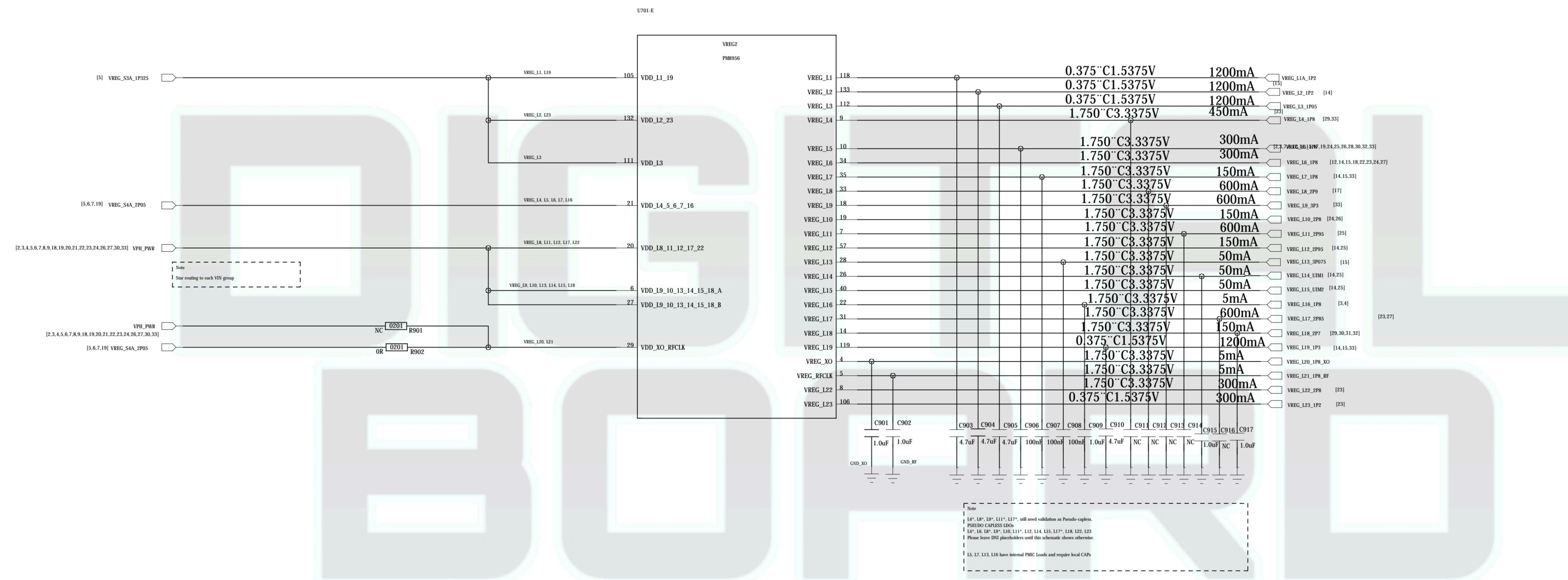
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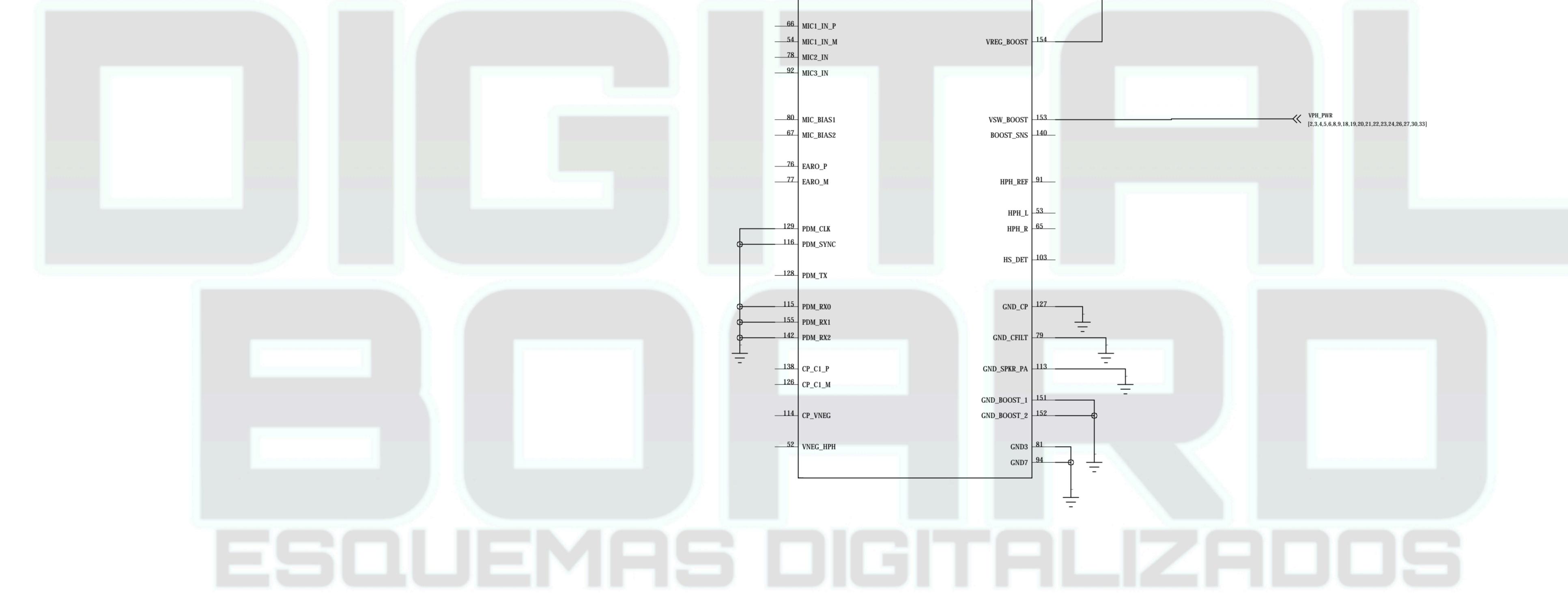
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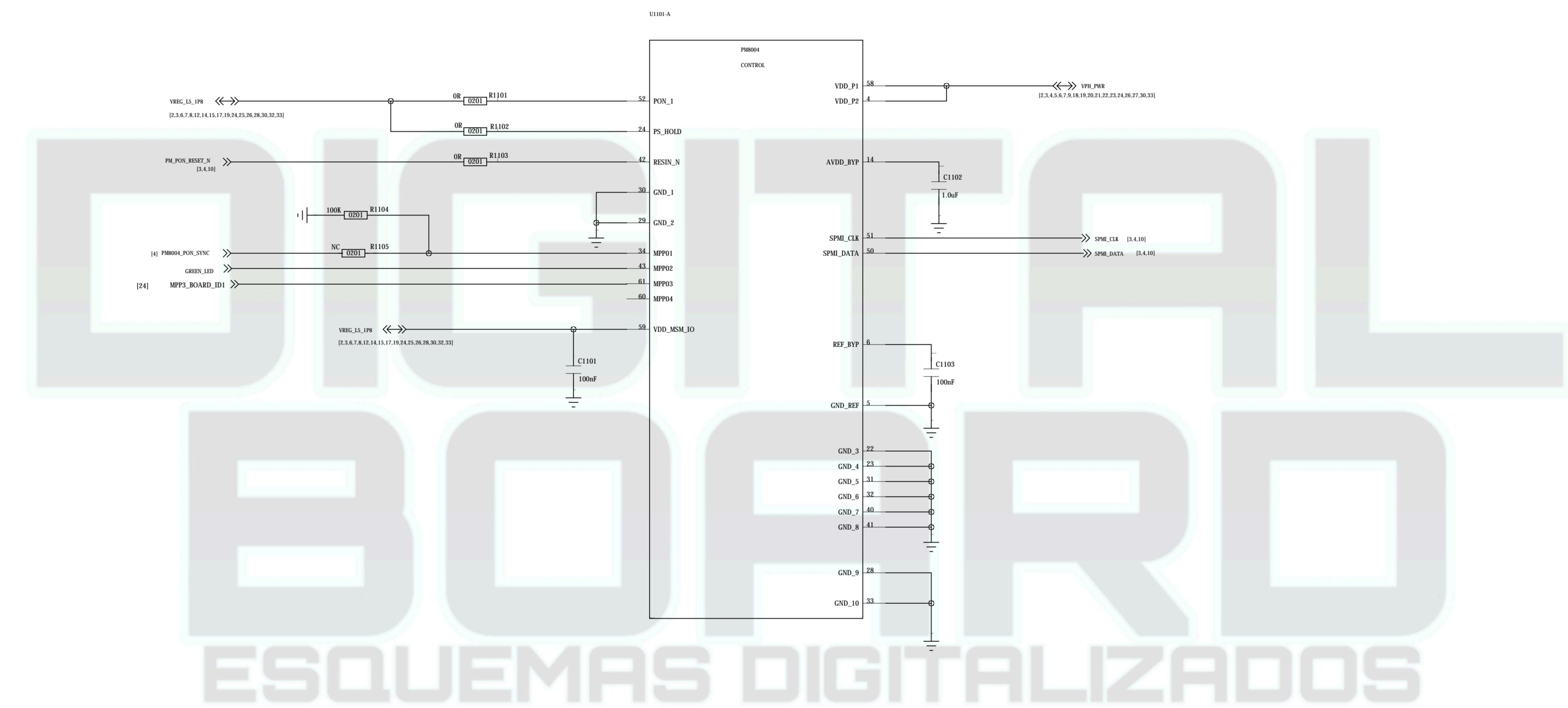
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QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, CA 92121-1714  
U.S.A.  
Title

COMPANY: <Company Name>  
TITLE: <Title>

|                          |                       |              |          |                              |            |
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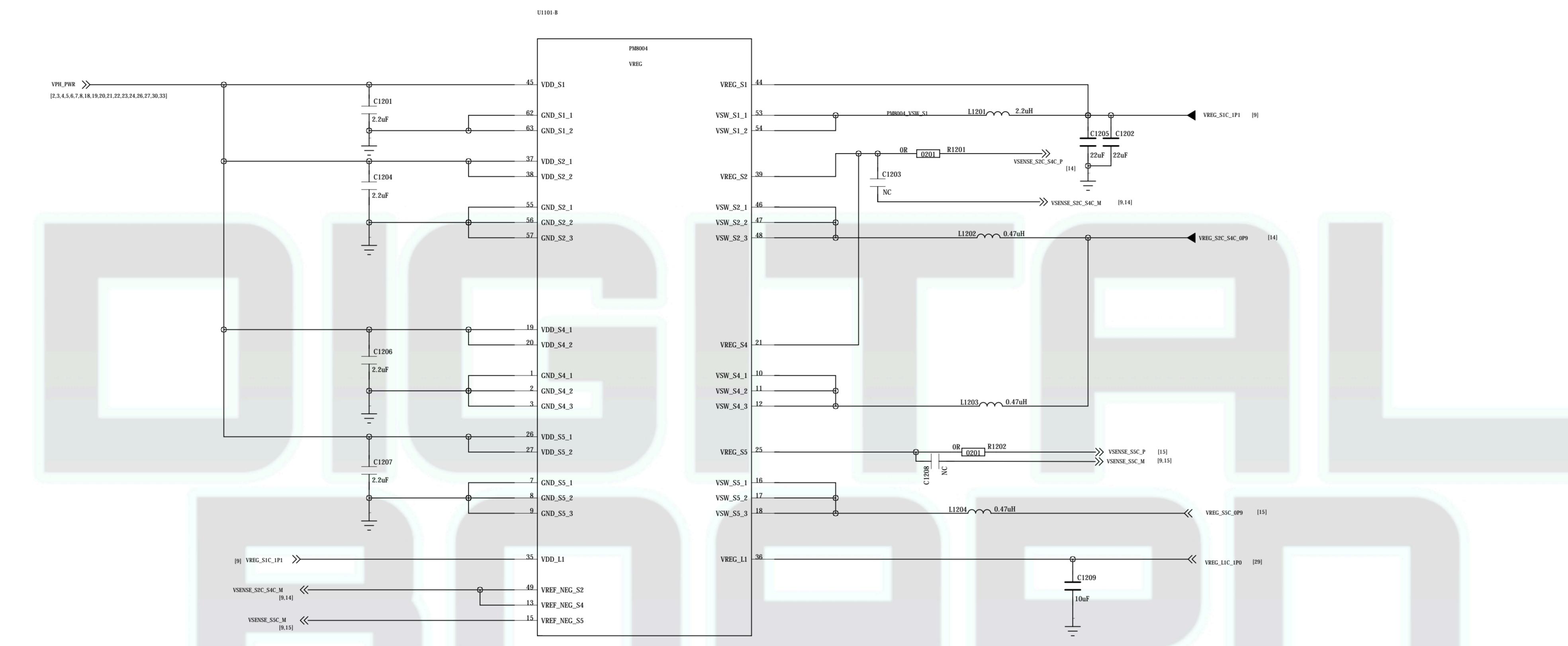
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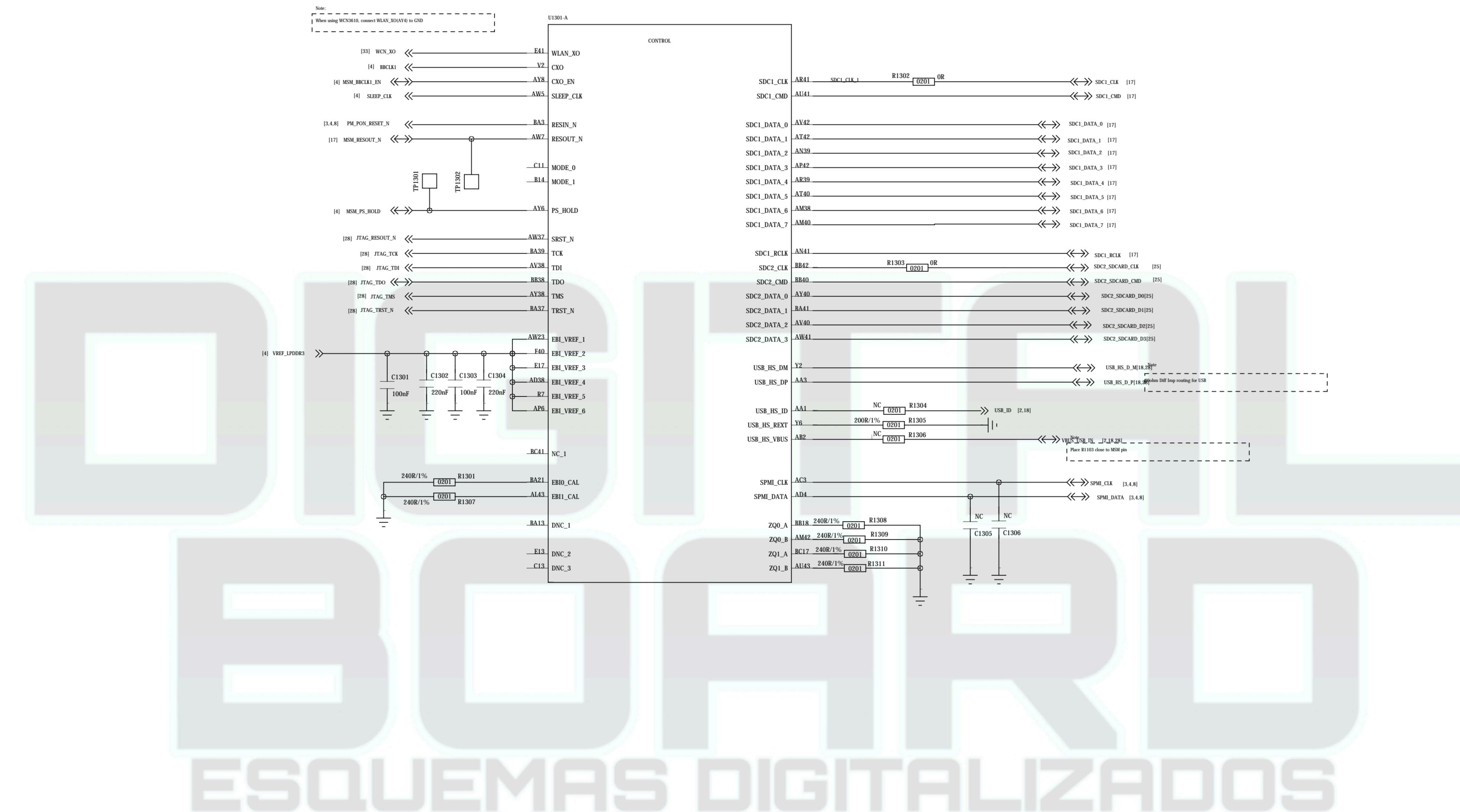
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| JTAG端口定义: |      |
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| 4         | PORT |
| 5         | PORT |
| 6         | PORT |
| 7         | PORT |
| 8         | PORT |
| 9         | PORT |
| 10        | PORT |
| 11        | PORT |
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| 13        | PORT |
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| REVISION RECORD |         |           |       |
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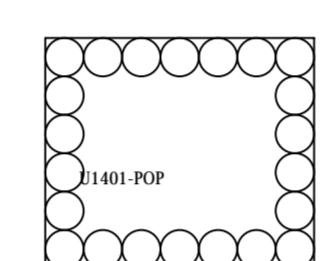
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POPDDR



**DIGITAL  
BOARD**  
ESQUEMAS DIGITALIZADOS

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Note: Asterisks (\*) indicate modem power management (MPM) wake-up pins



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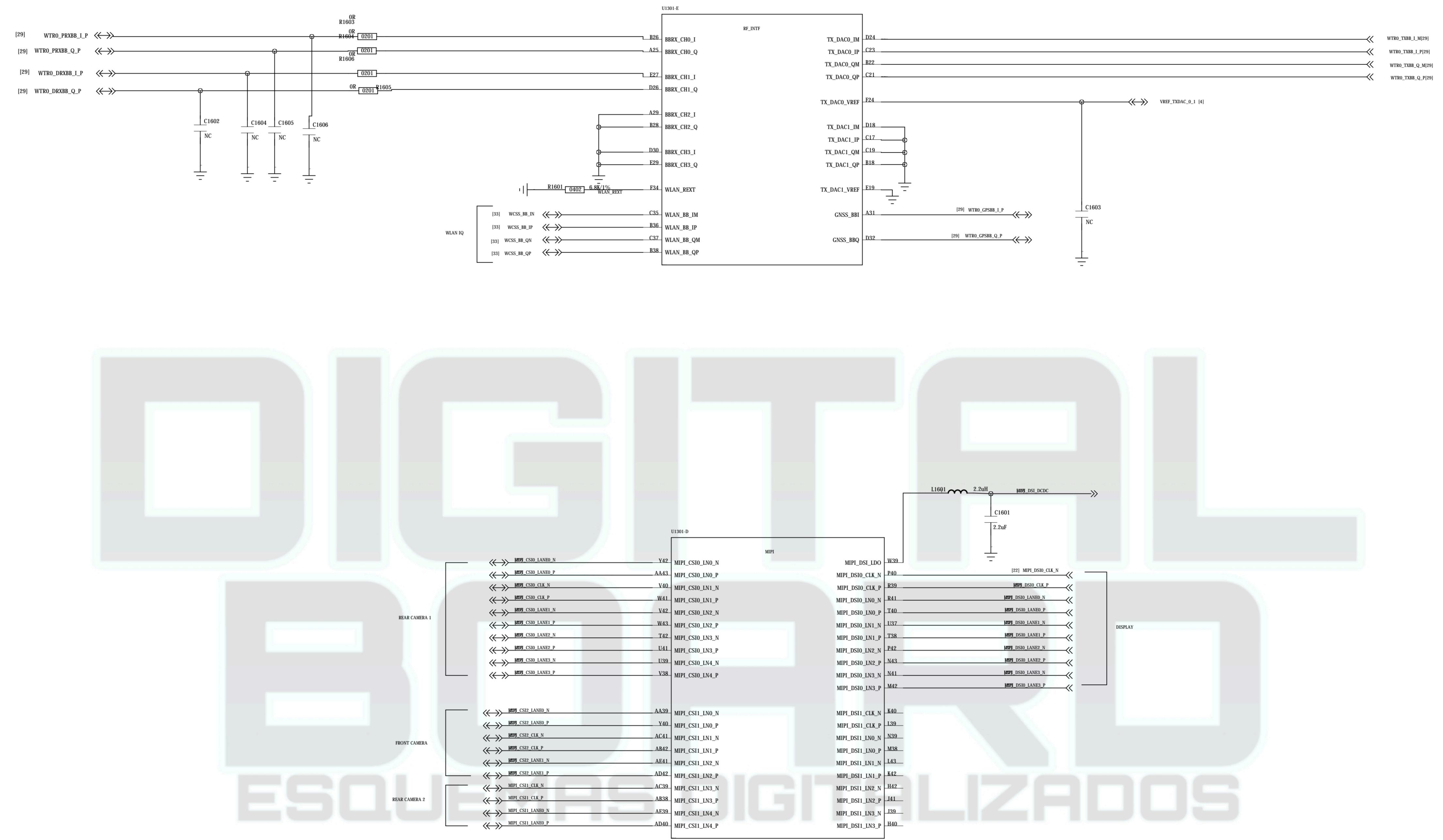
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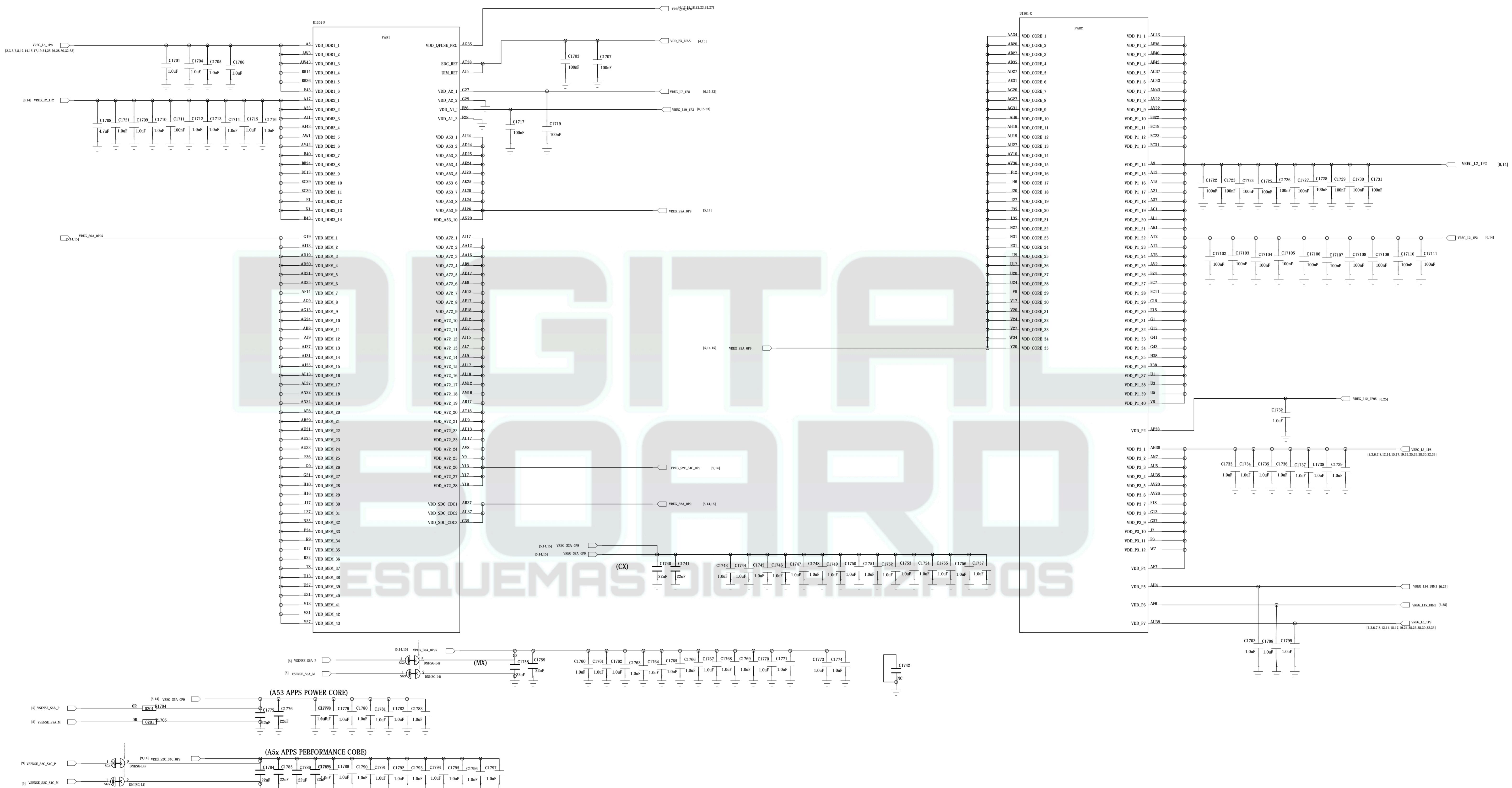
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This is preliminary version, for reference only

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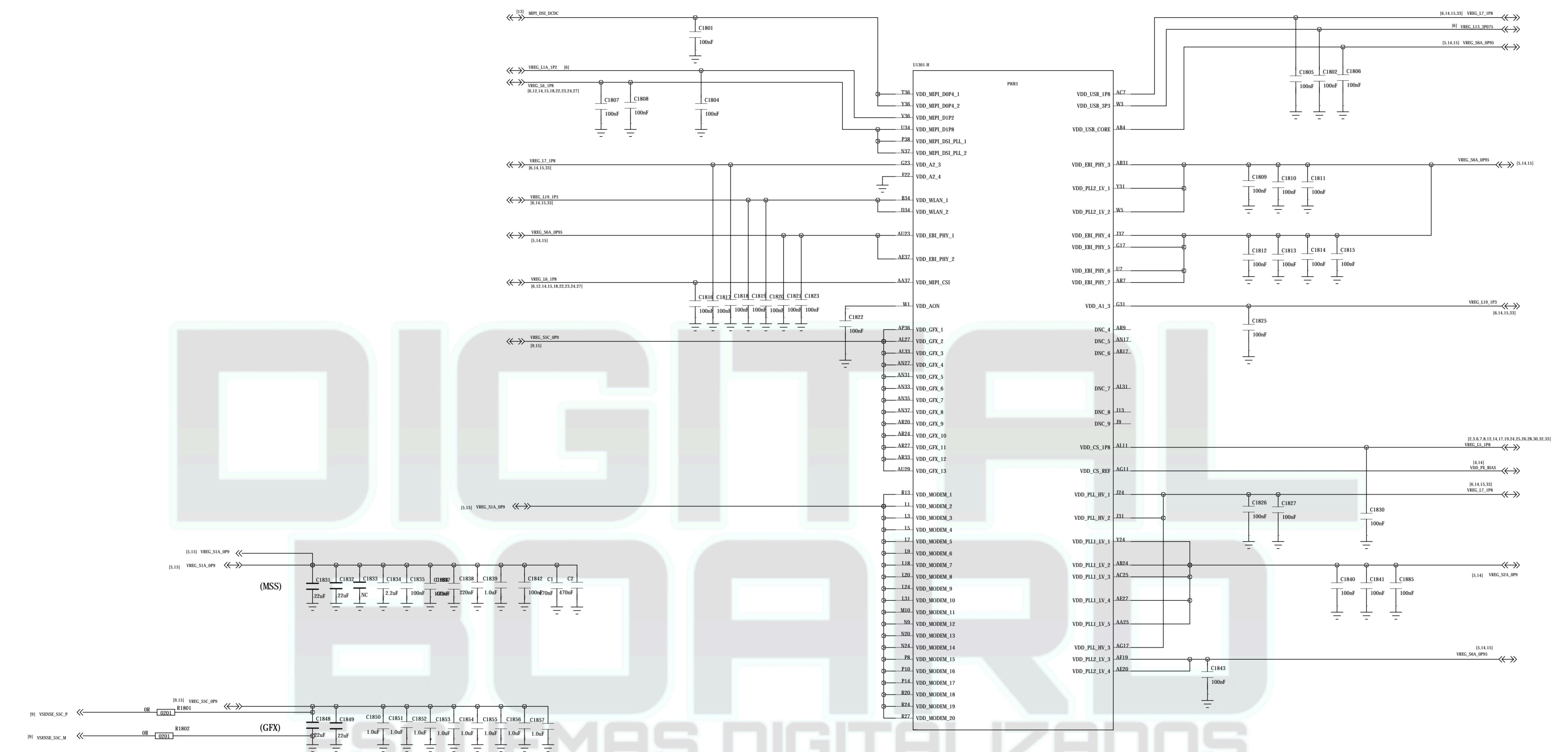
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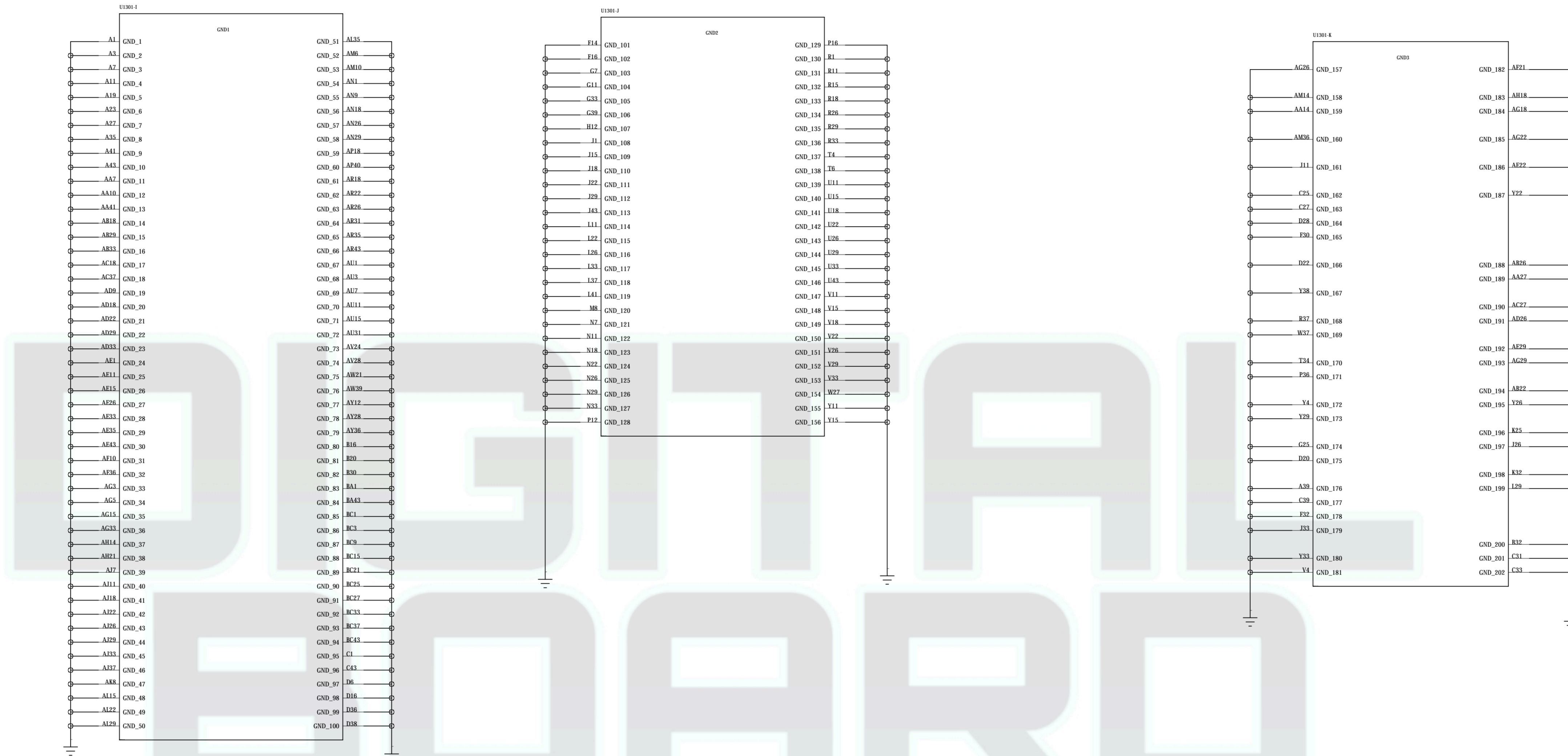
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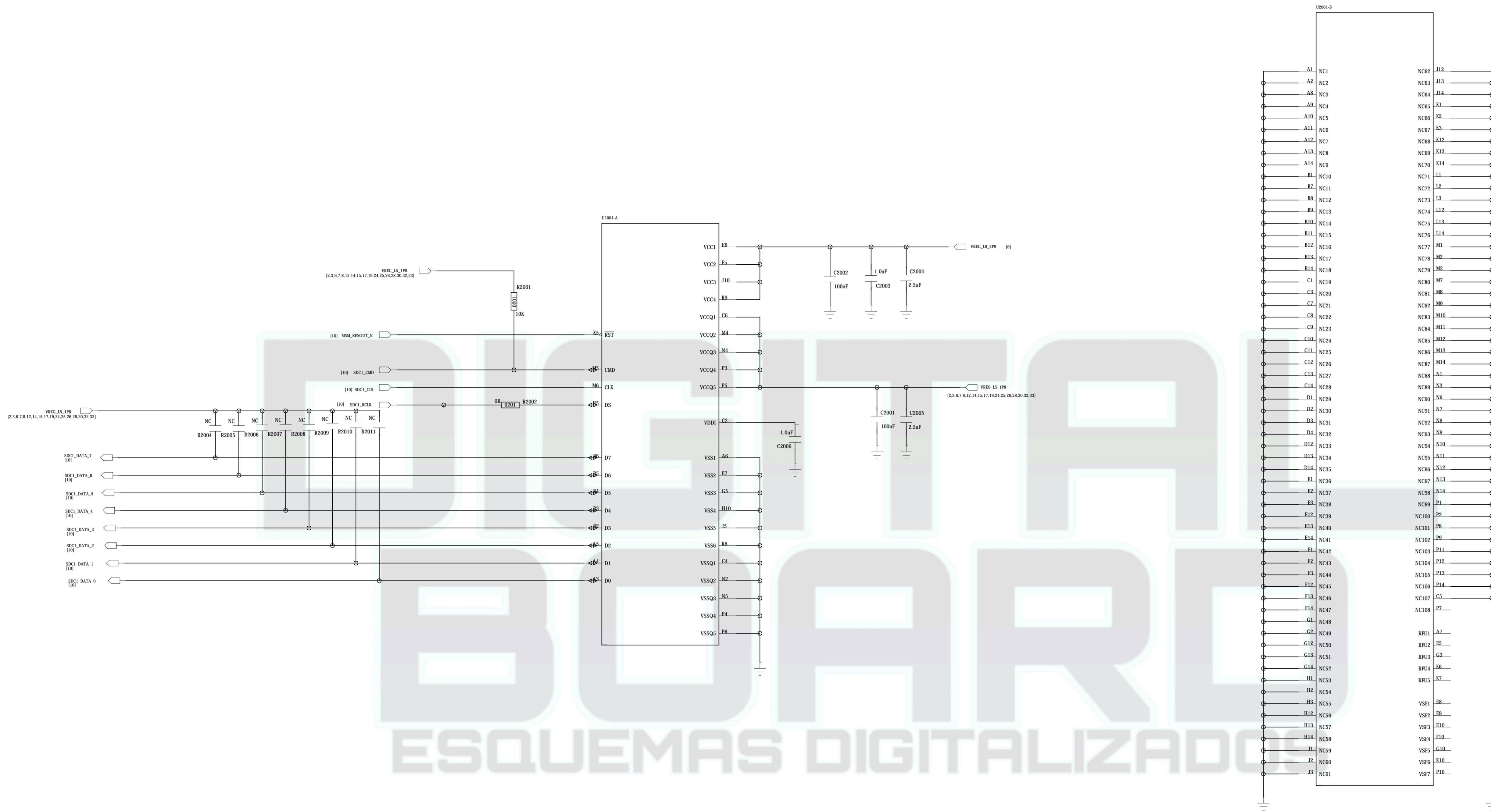
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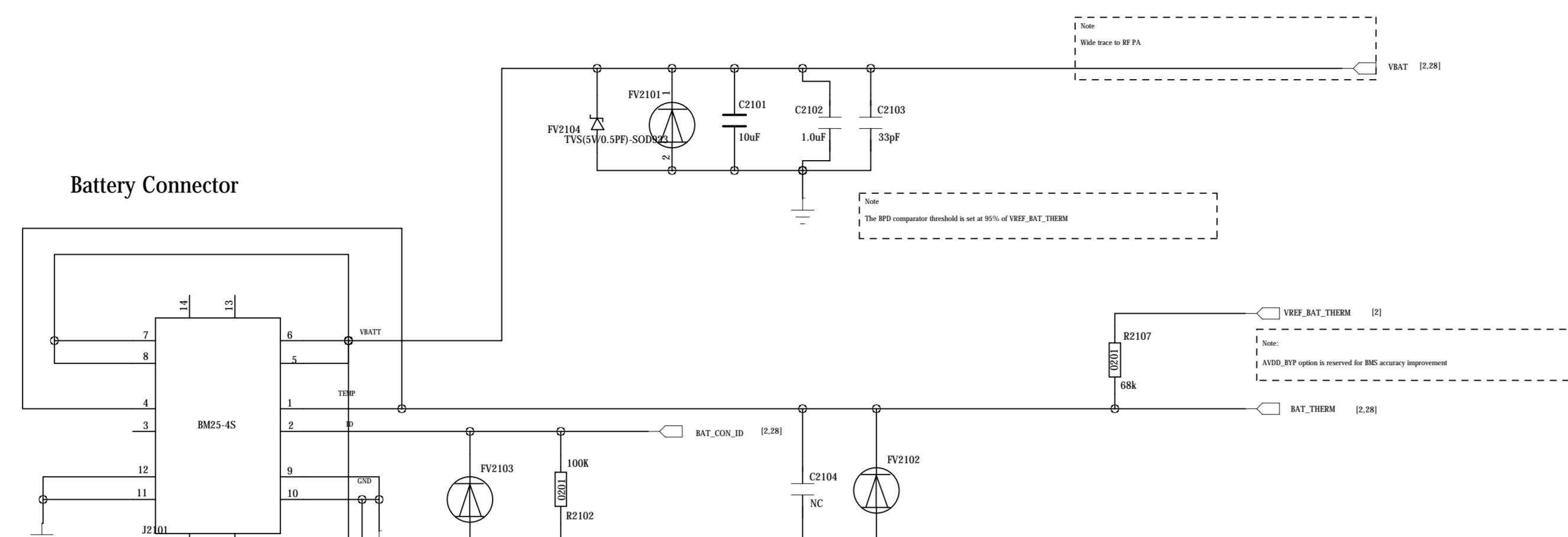
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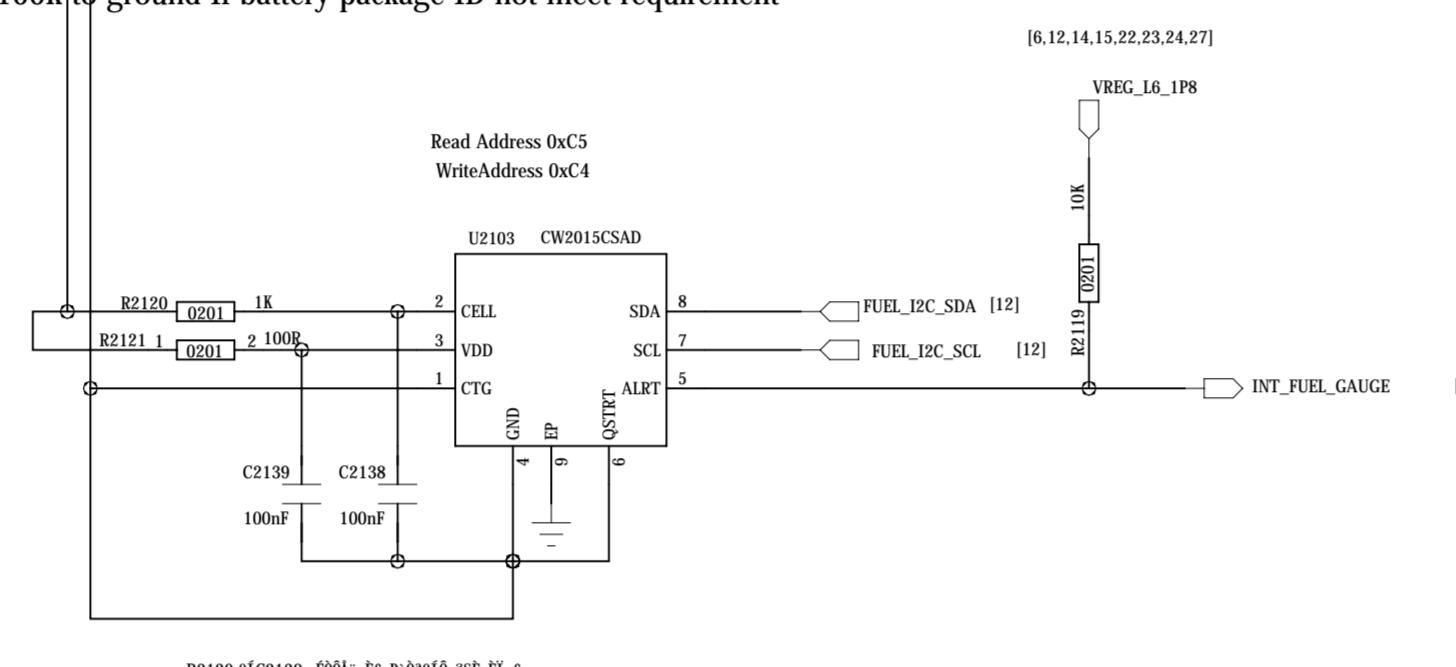


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## Battery/Sub board Connect



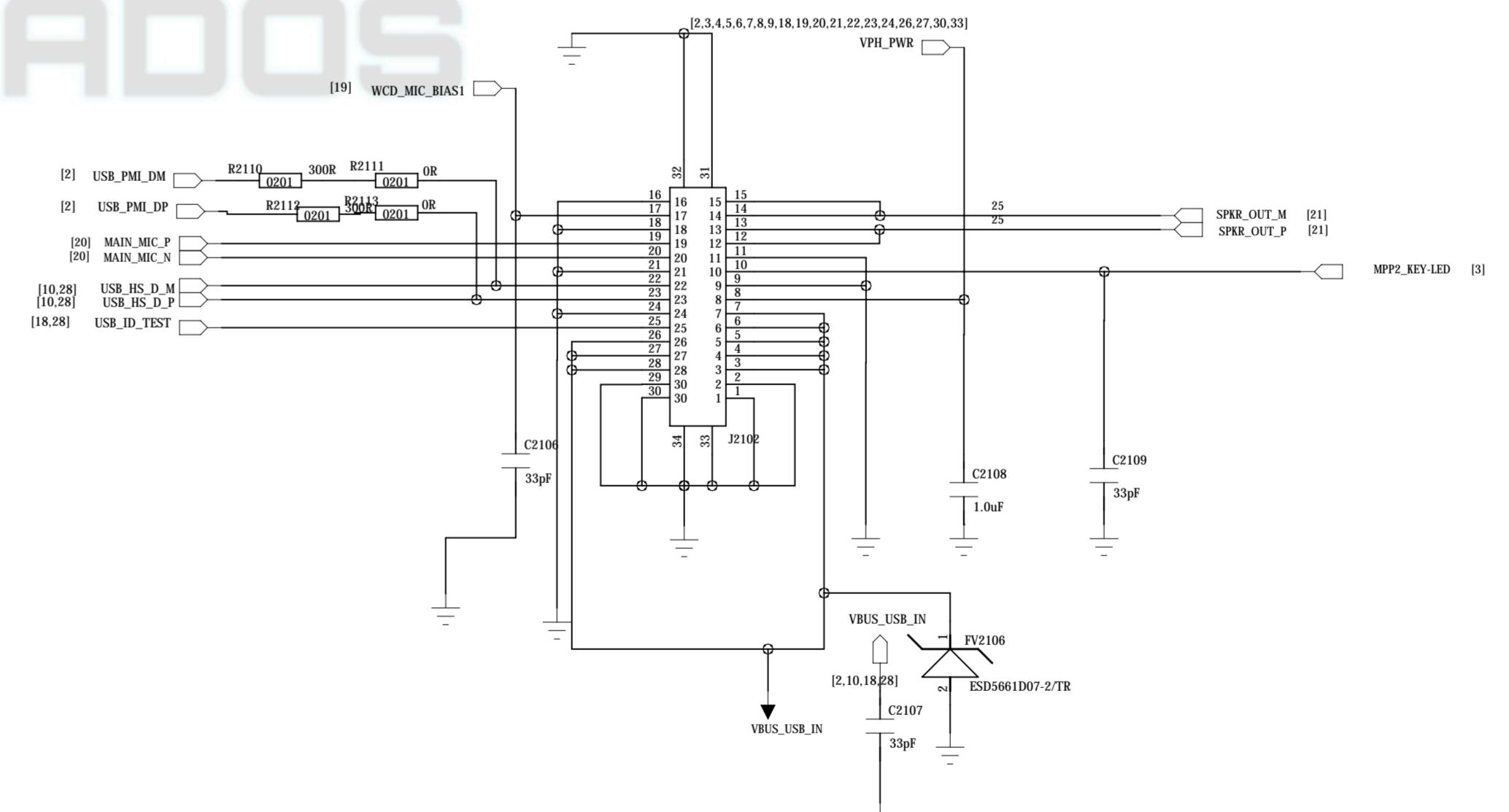
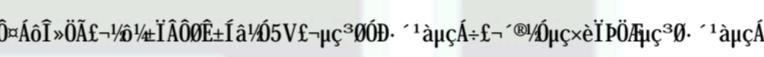
Note:  
Battery ID resistor value require 20K~150K,  
Add 100K to ground If battery package ID not meet requirement



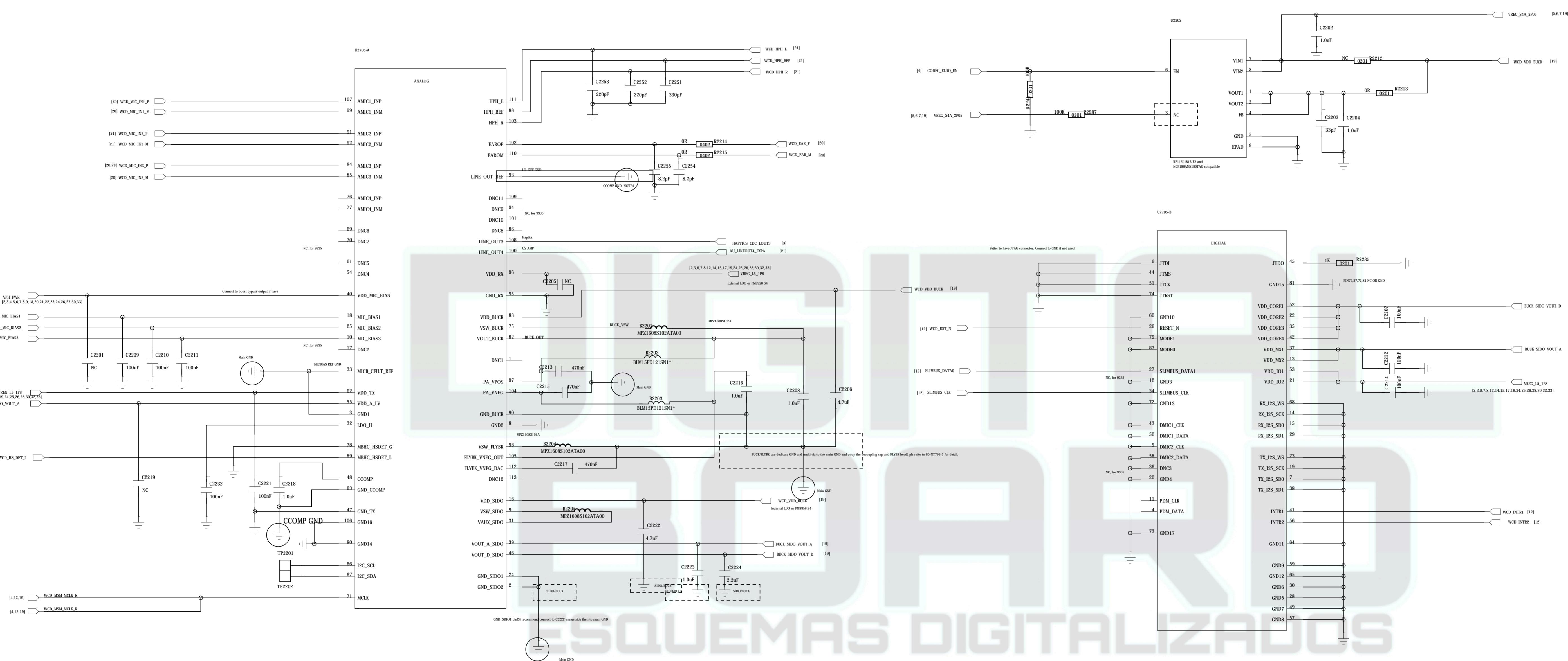
[12,28] FORCE\_USB\_BOOT 

REV B

GPIO37 High to 1.8V for USB BOOT



|           |                |       |                            |
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NOTE 4 :The line output group reference sense,LINE\_OUT\_REF is only for LINE\_OUT\_1and LINE\_OUT\_2 and only required for single-ended connection made off board

Rout LINE OUT REF as a separate trace all the way to the off board connector's ground pin.

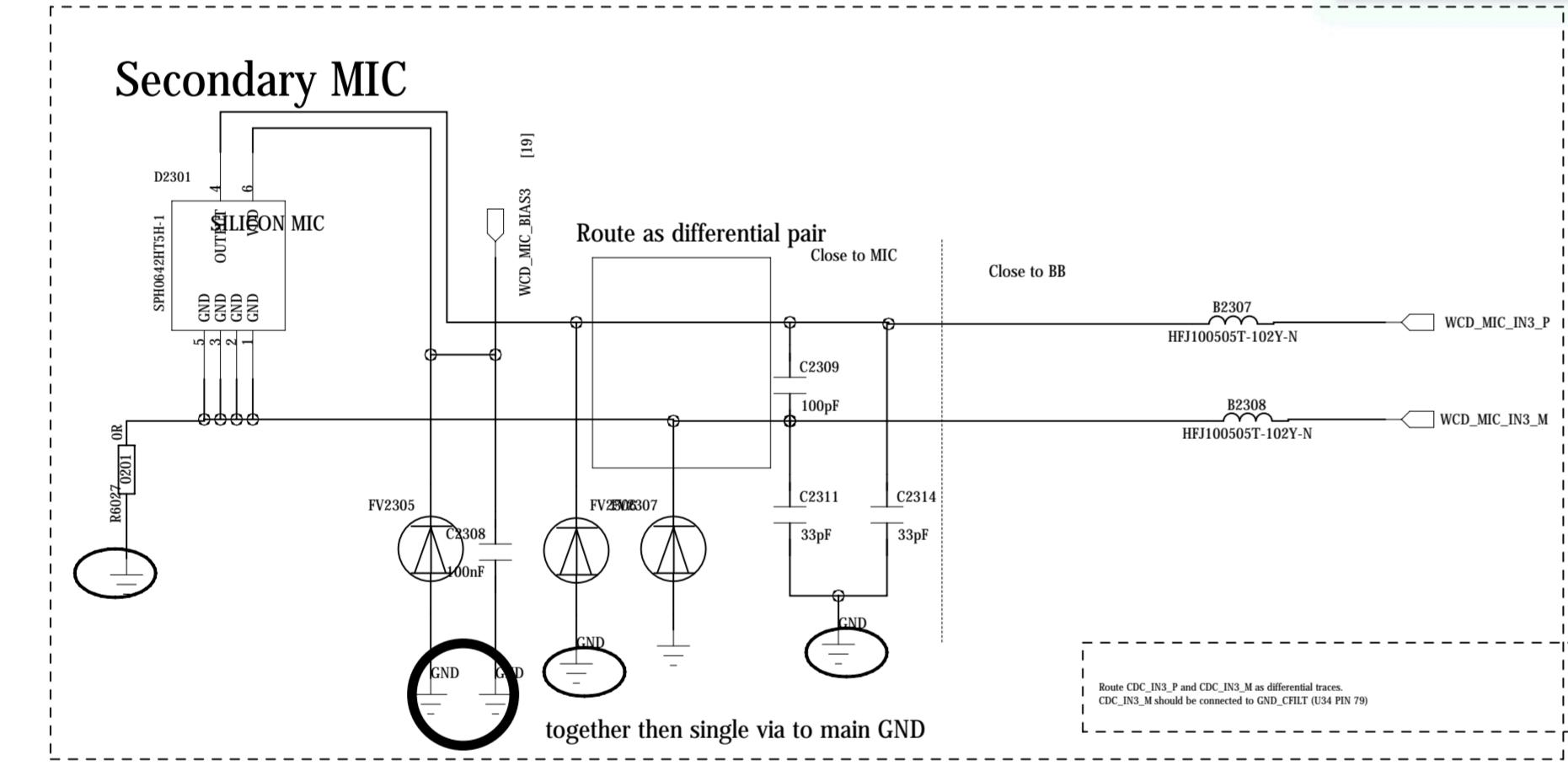
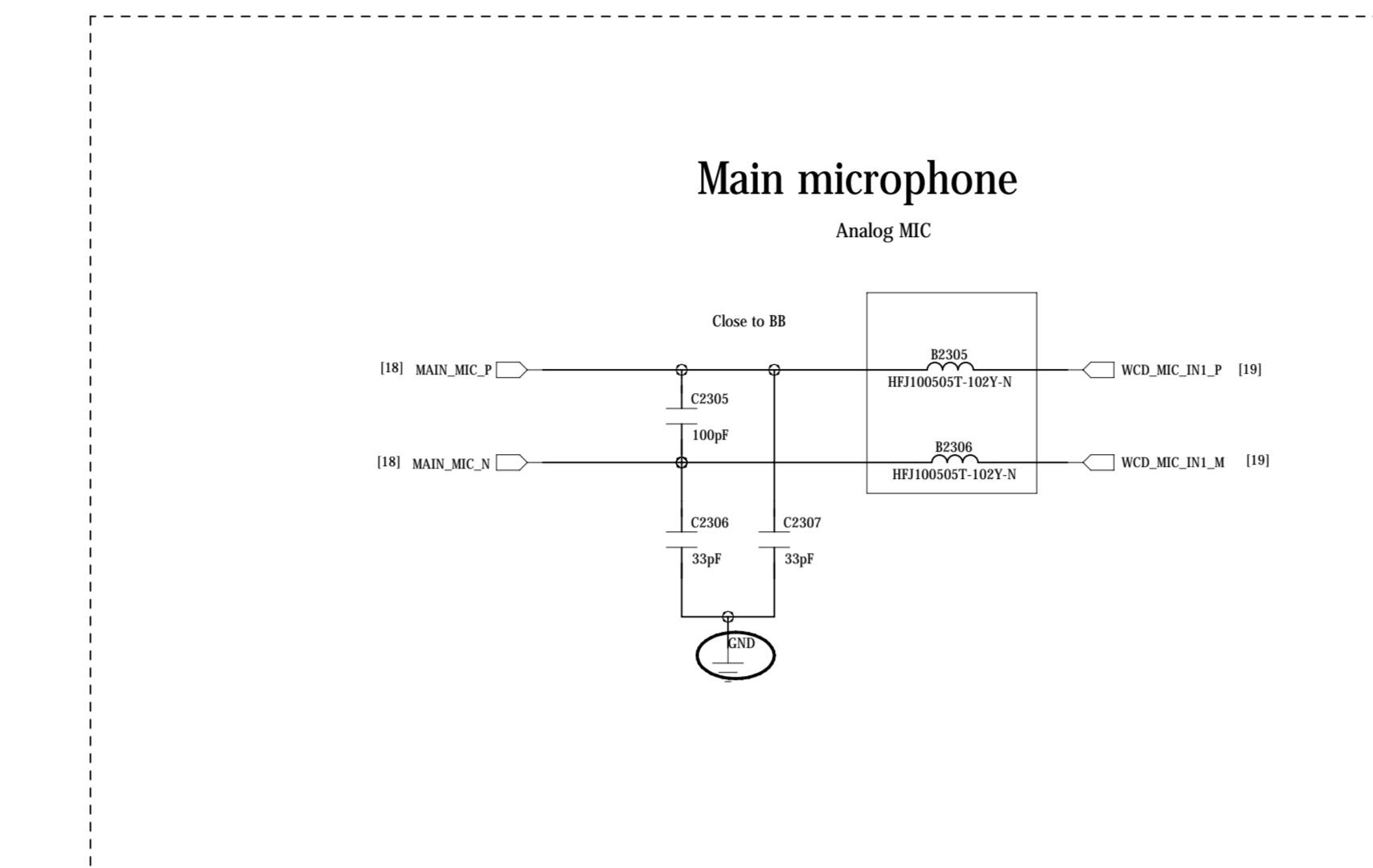
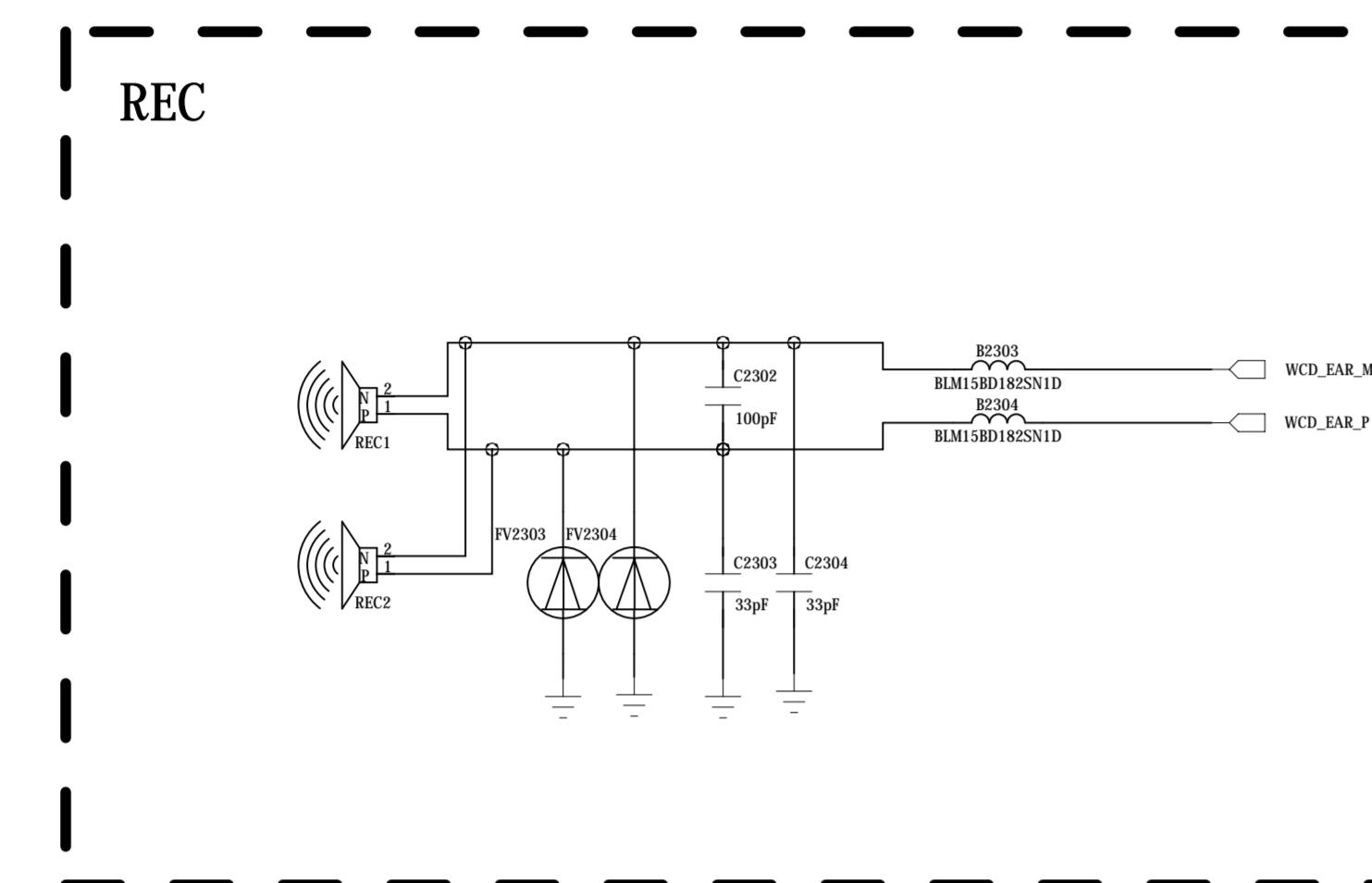
Connect LINE\_OUT\_REF to the CCOMP GND when the outputs are used as differential pair or kept on board or not used.

|          |                |       |                            |
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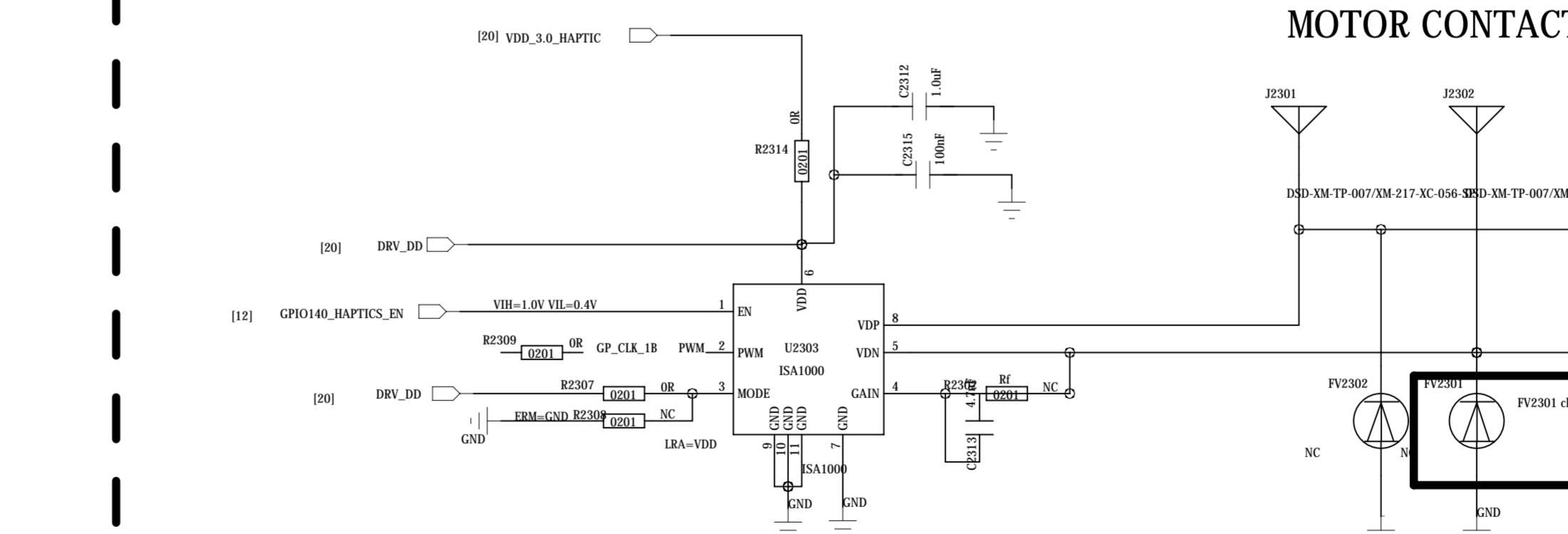
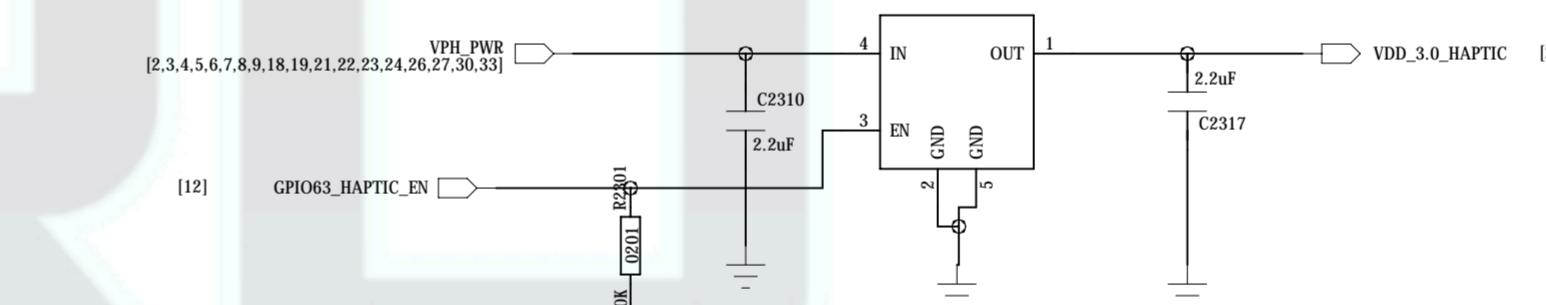
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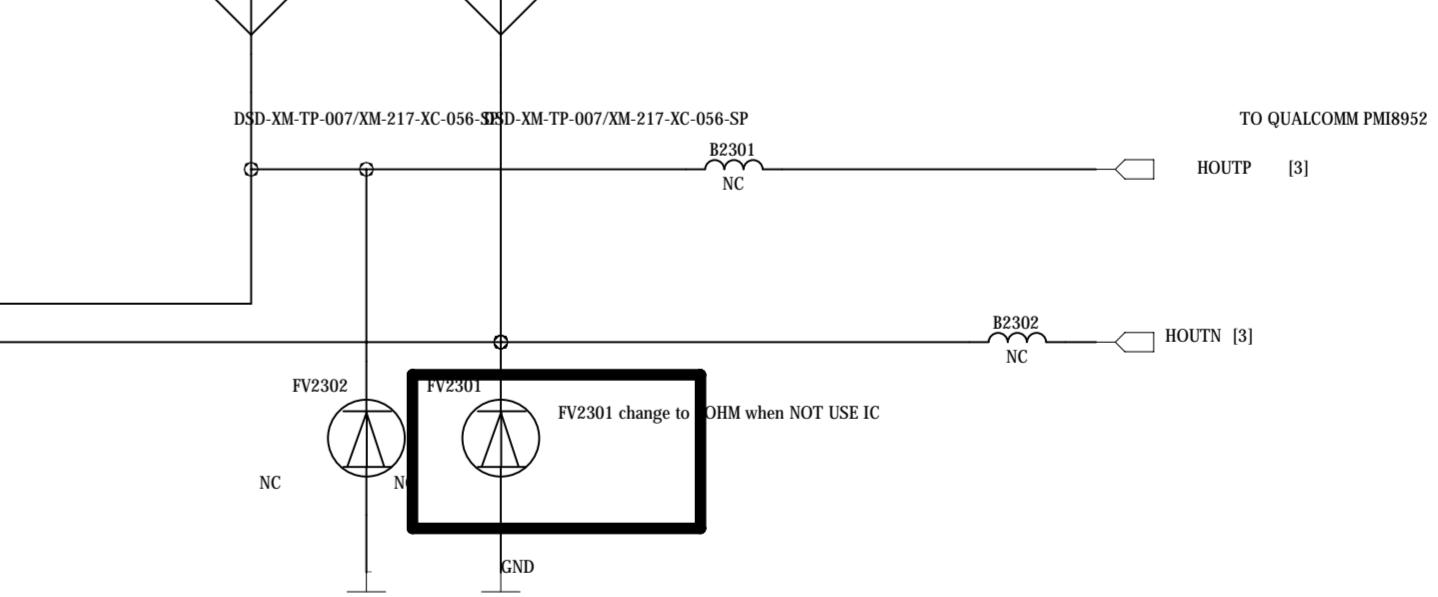
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## MOTOR DRIVER CIRCUIT

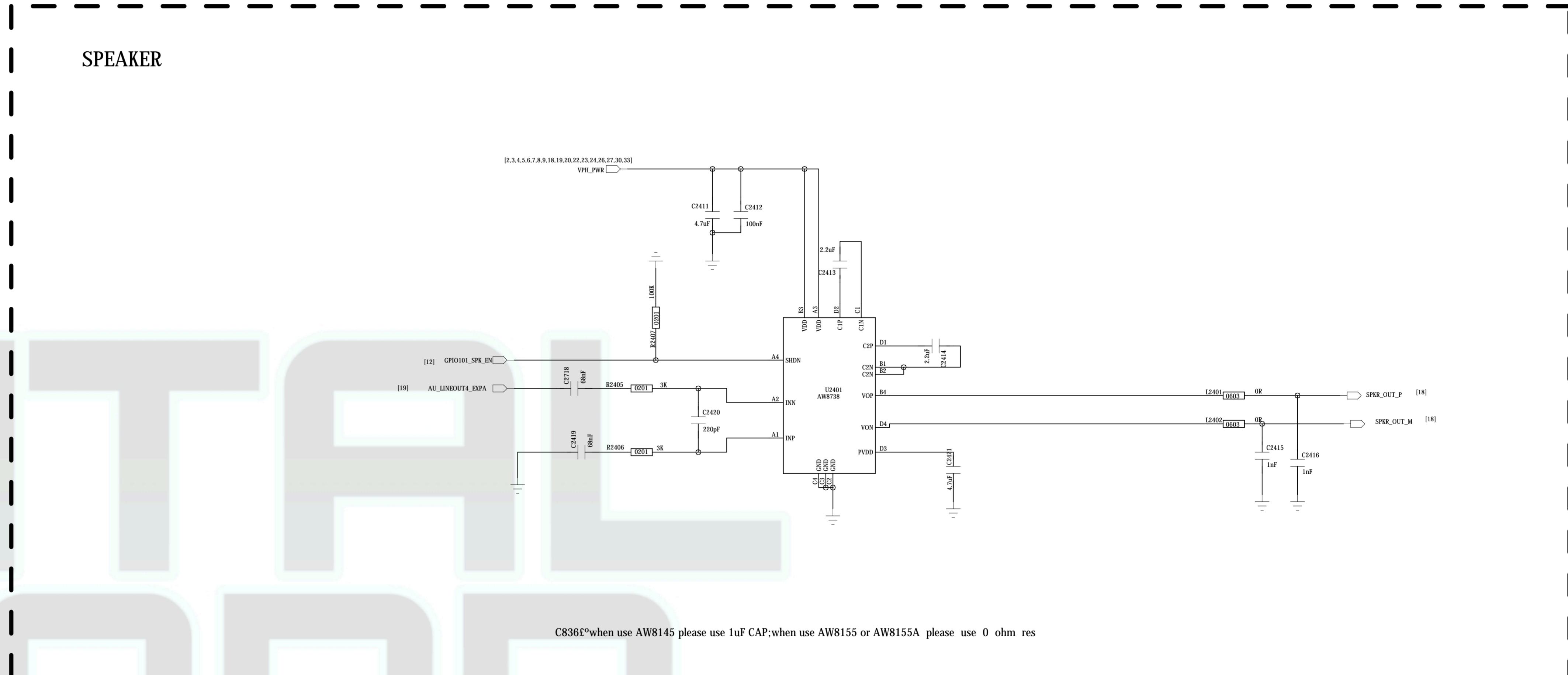
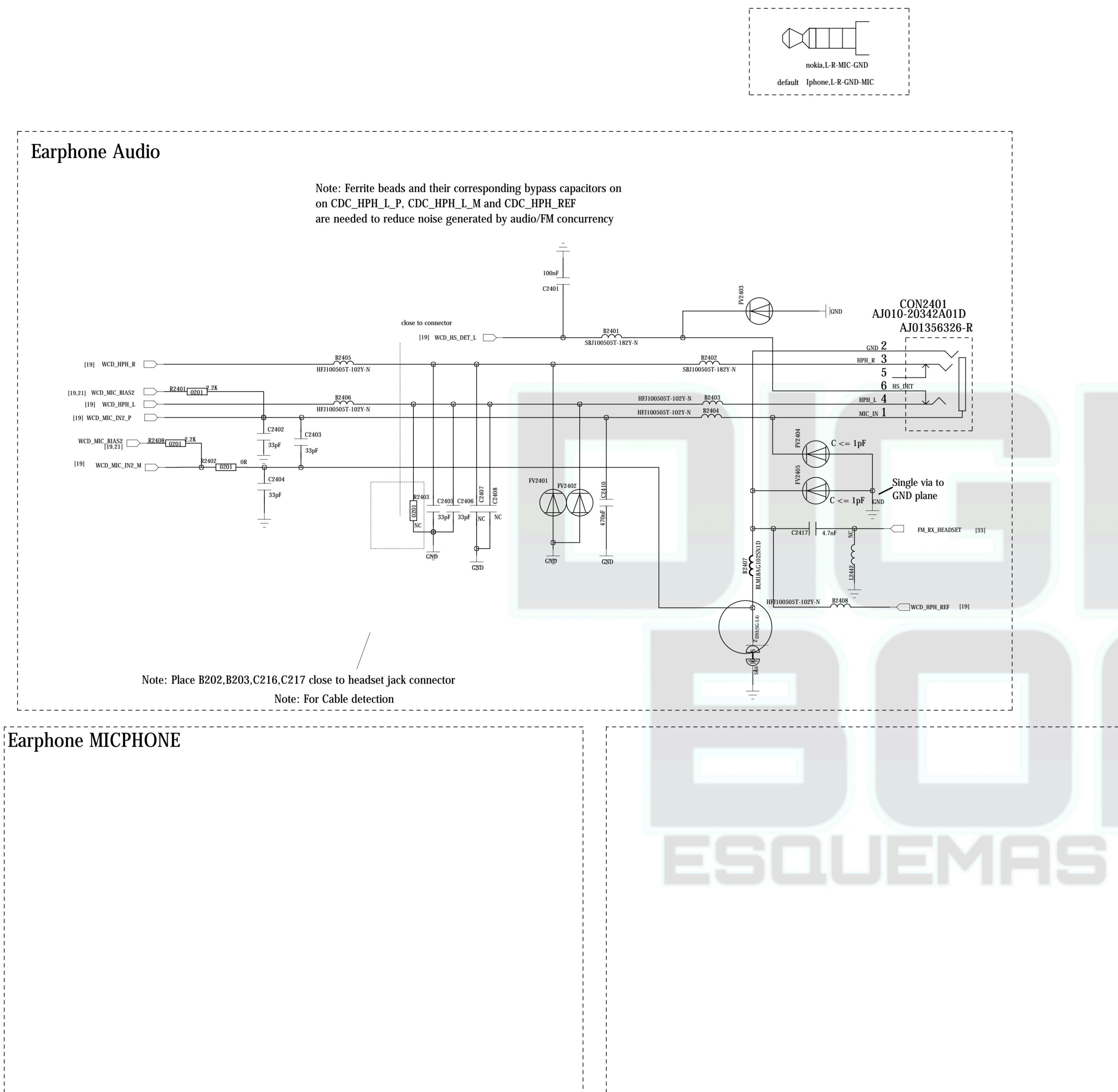


MOTOR CONTACT



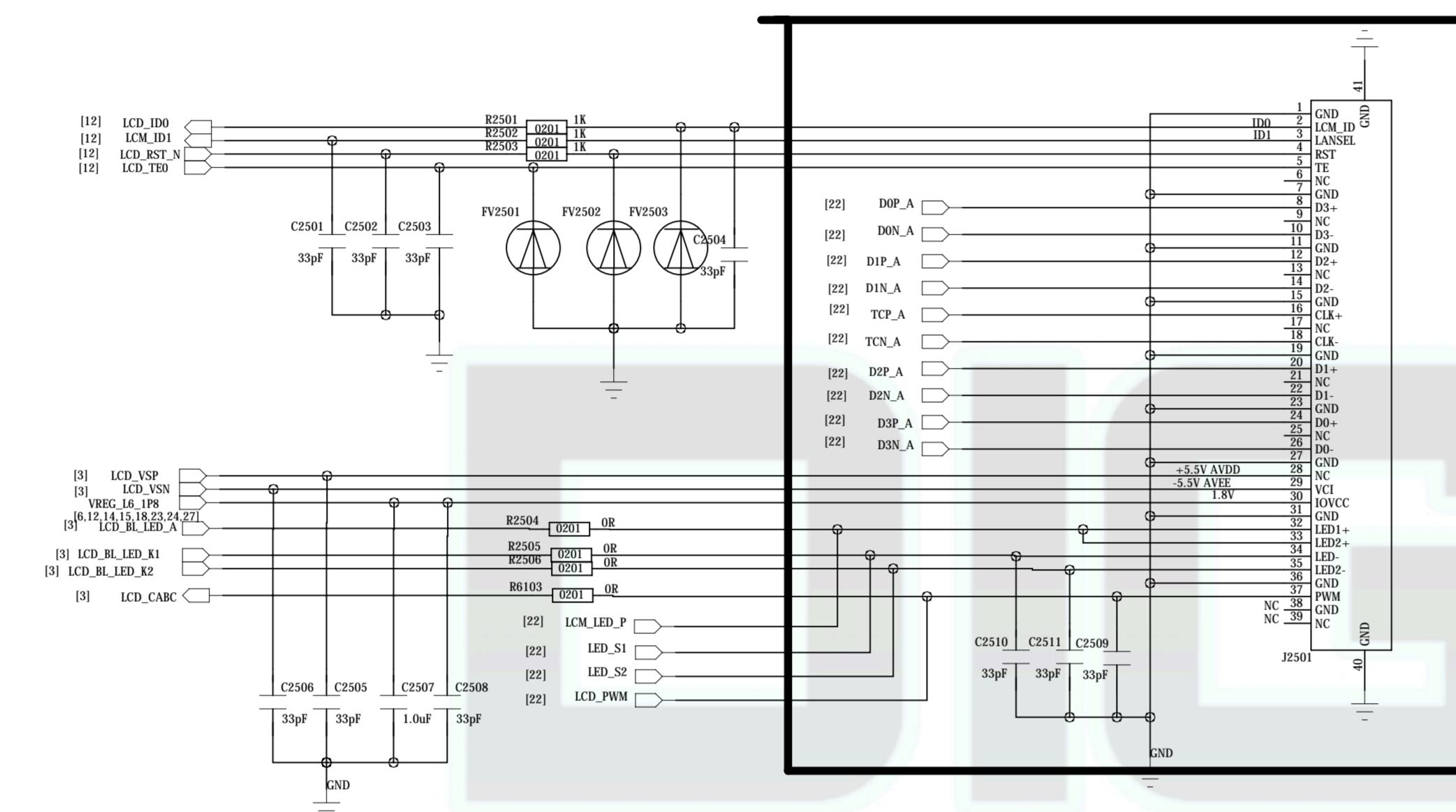
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|---------------------|----------------|---------------------|----------------|
| COMPANY:            | <Company Name> |                     |                |
| TITLE:              | <Title>        |                     |                |
| DRAWN:              | <Drawn By>     | DATED:              | <Drawn Date>   |
| CHECKED:            | <Checked By>   | DATED:              | <Checked Date> |
| QUALITY CONTROLLED: | <QC By>        | DATED:              | <QC Date>      |
| RELEASED:           | <Released By>  | DATED:              | <Release Date> |
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| LTR             | ECO NO: | APPROVED: | DATE: |
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| COMPANY: | <Company Name> |       |                            |
| TITLE:   | <Title>        |       |                            |
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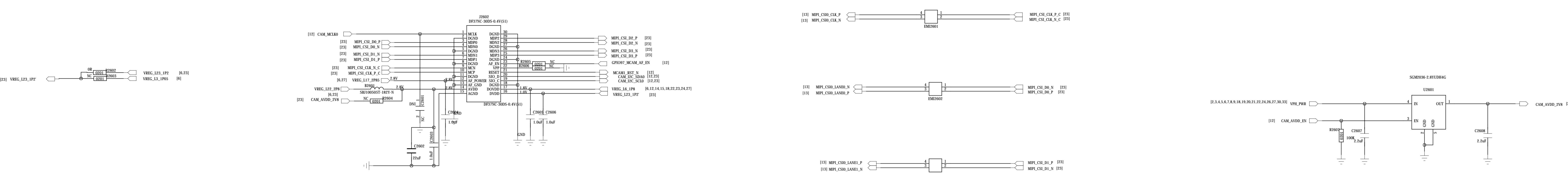
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| TR              | ECO NO. | APPROVED: | DATE: |
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| REVISION RECORD |         |           |
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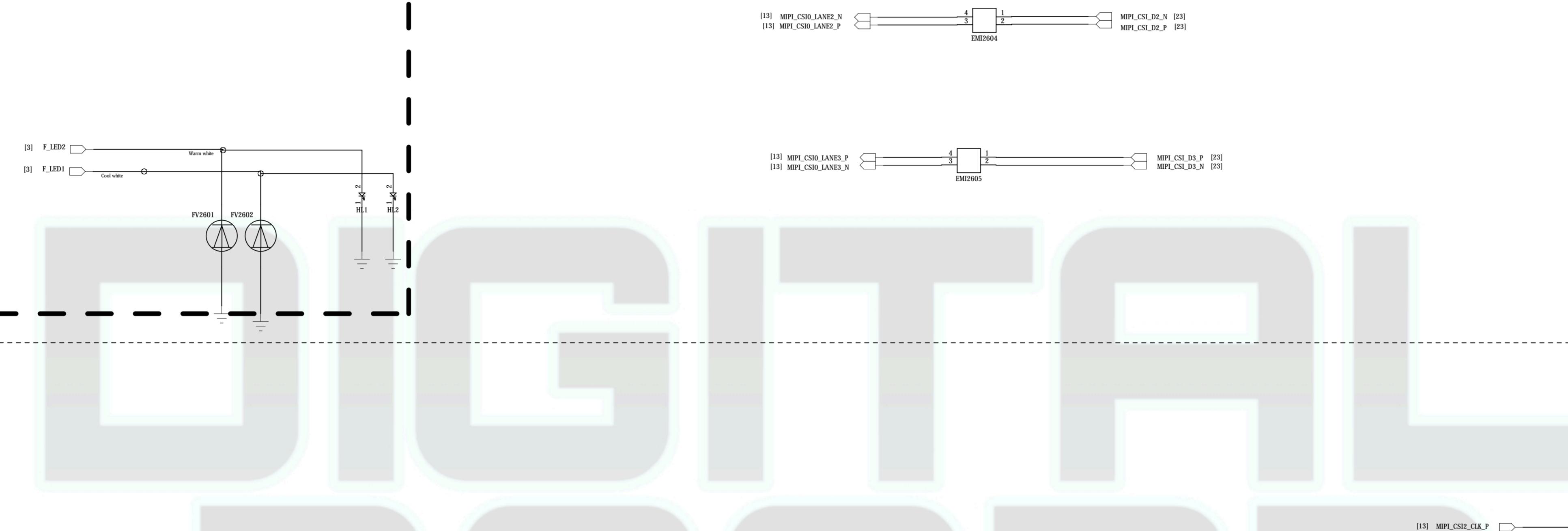
D

## Main Camera



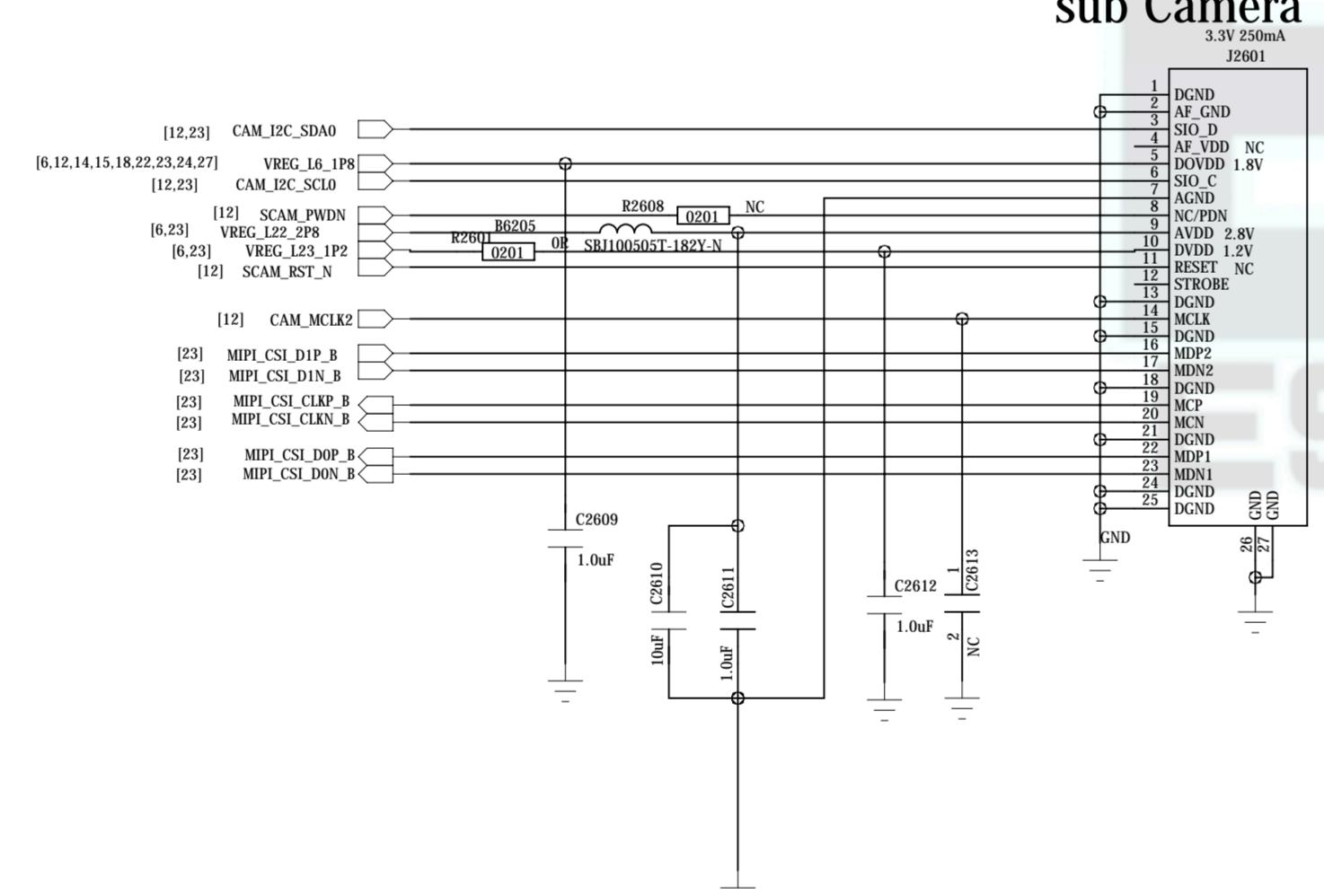
C

## FLASH



B

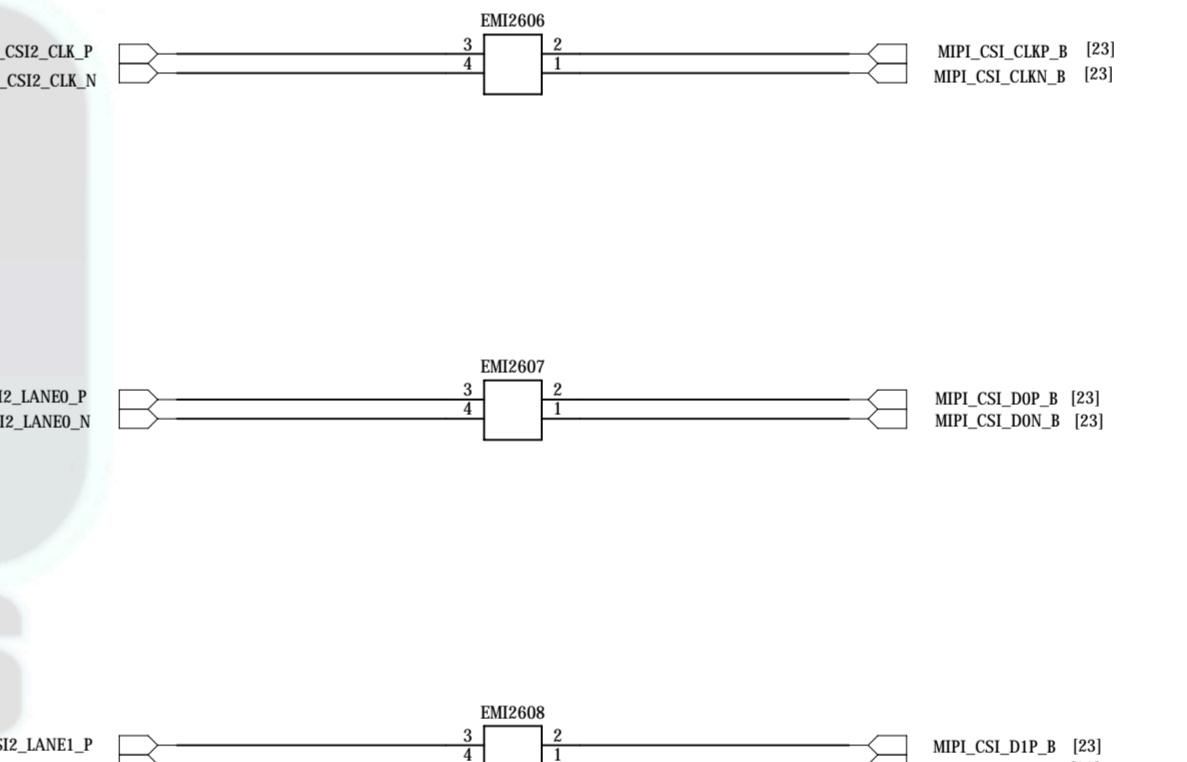
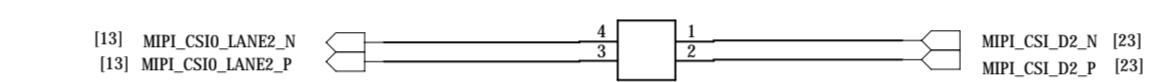
## sub Camera



Schematic design notice of "63\_PERI\_CAMERA\_KEYPAD" page.

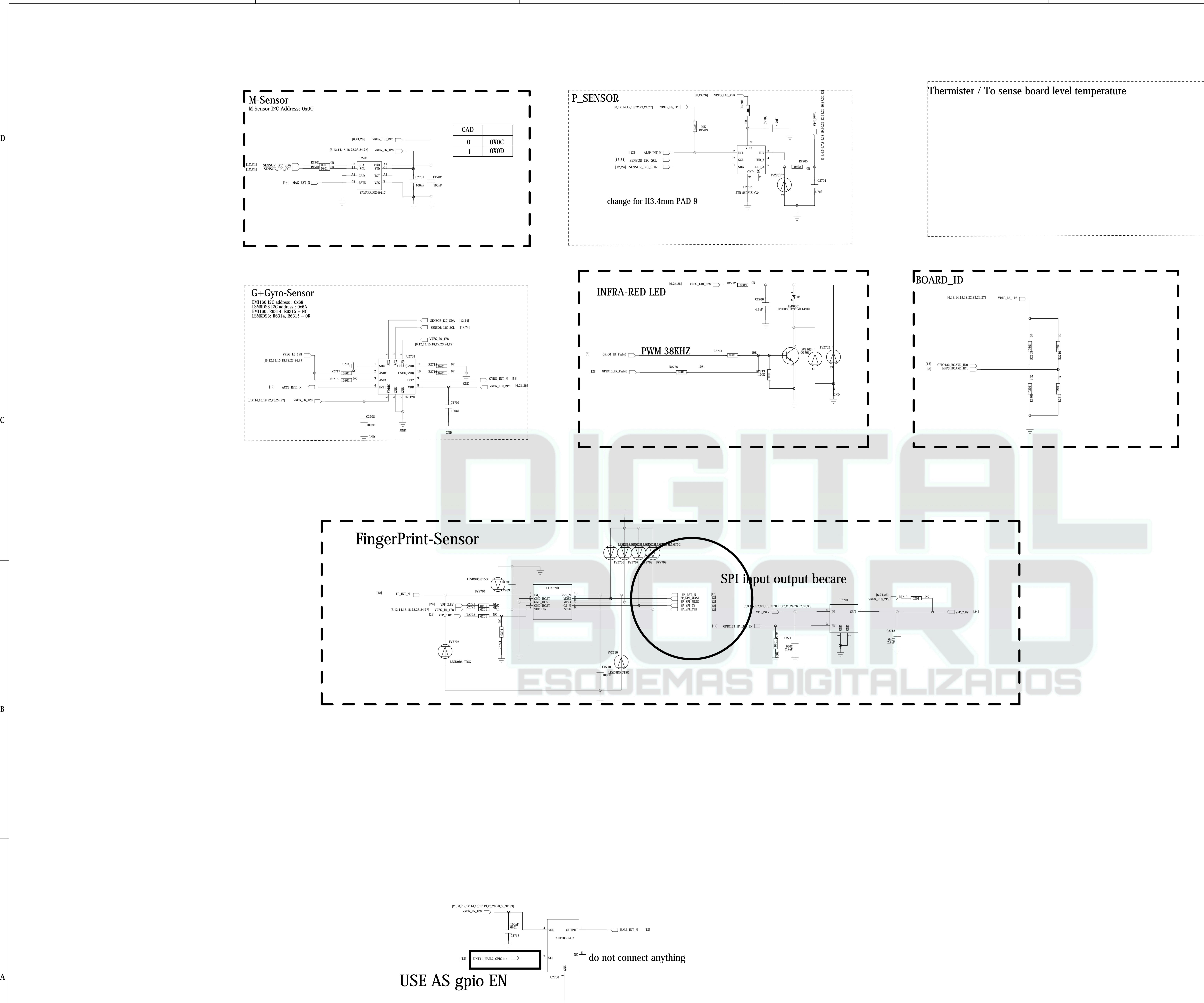
Note 62-2: I2C control interface of front camera (with AF) must be assigned to I2C-2 bus when PIP/VIV feature be supported.

Note 62-3: Reserve a capacitor (27pF) on camera's MCLK and shunt it to GND to prevent GPS de-sense.



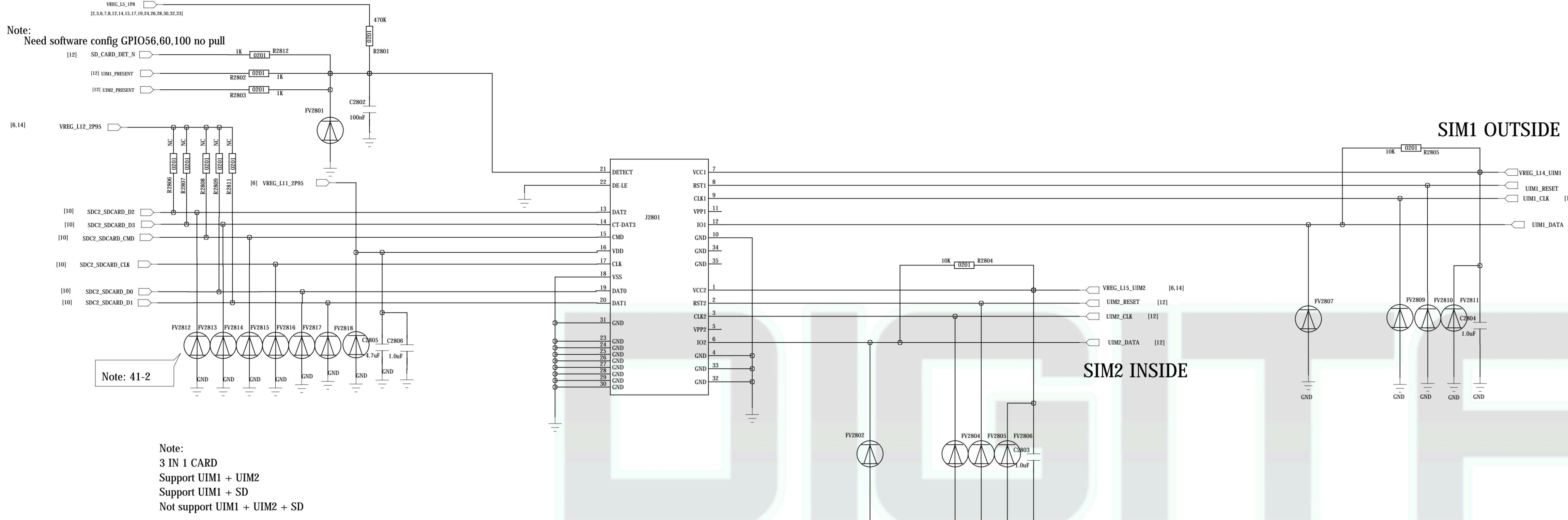
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| COMPANY:         | <Company Name> |                               |
| TITLE:           | <Title>        |                               |
| DRAWN:           | <Drawn By>     |                               |
| CHCKED:          | <Checked By>   |                               |
| QUALITY CONTROL: | <QC By>        |                               |
| RELEASED:        | <Released By>  |                               |
| CODE:            | SIZE:          | DRAWING NO.:                  |
| <Code>           |                | A0 <Drawing Number><Revision> |
| SCALE:           | <Scale>        | SCALE: 23 34                  |

| REVISION RECORD |         |          |      |
|-----------------|---------|----------|------|
| ltr             | ECO NO. | APPROVED | DATE |
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| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
| LTR             | ECO NO: | APPROVED: | DATE: |
|                 |         |           |       |
|                 |         |           |       |
|                 |         |           |       |
|                 |         |           |       |

## SIM CARD



Note:  
3 IN 1 CARD  
Support UIM1 + UIM2  
Support UIM1 + SD  
Not support UIM1 + UIM2 + SD

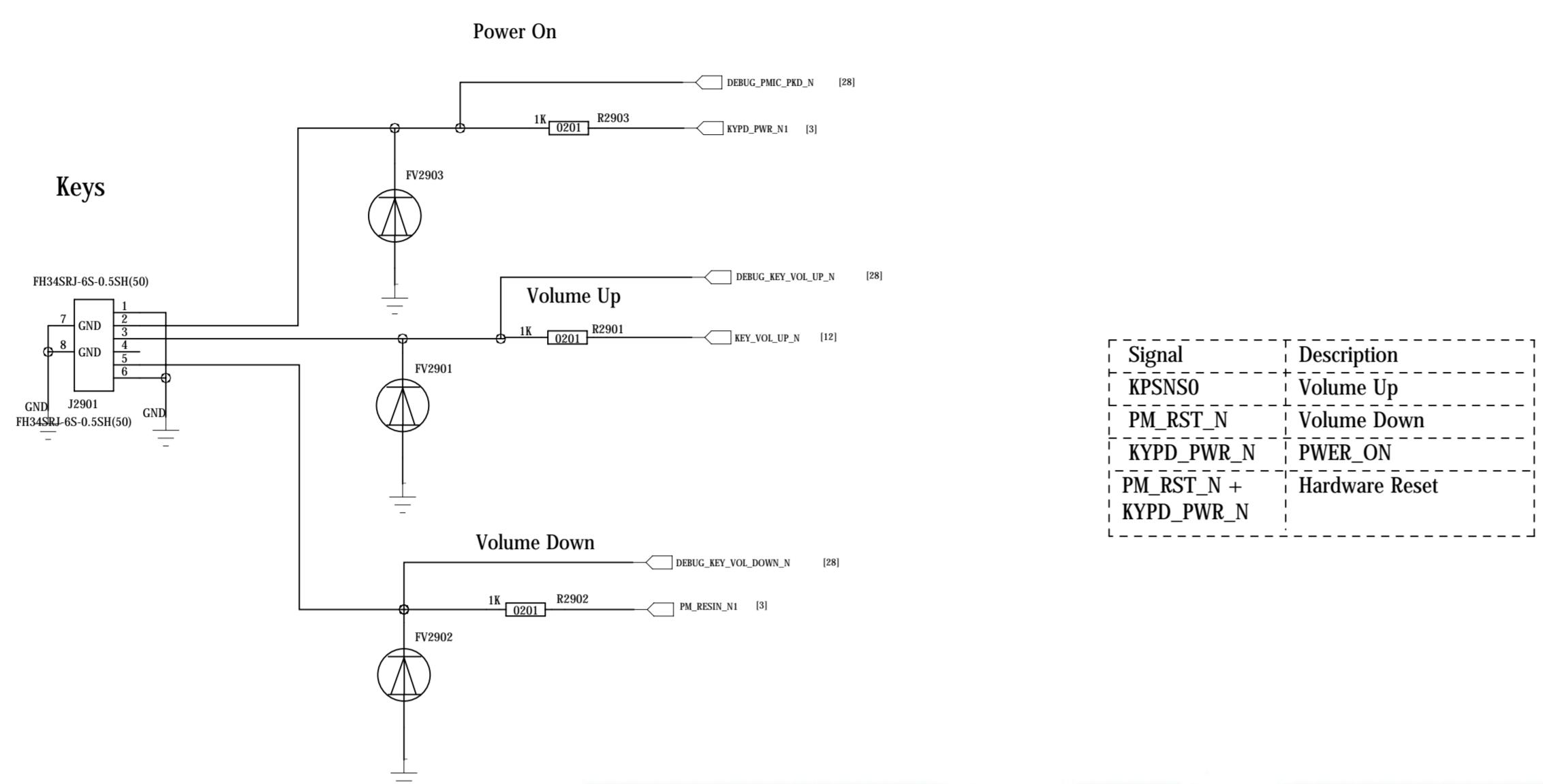
|          |                |       |                            |
|----------|----------------|-------|----------------------------|
| COMPANY: | <Company Name> |       |                            |
| TITLE:   | <Title>        |       |                            |
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| ate>     | <Code>         | A0    | <Drawing Number><Revision> |
| te>      | SCALE: <Scale> |       | SHEET: 25 34               |

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
| ITR             | ECO NO. | APPROVED: | DATE: |
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|                 |         |           |       |

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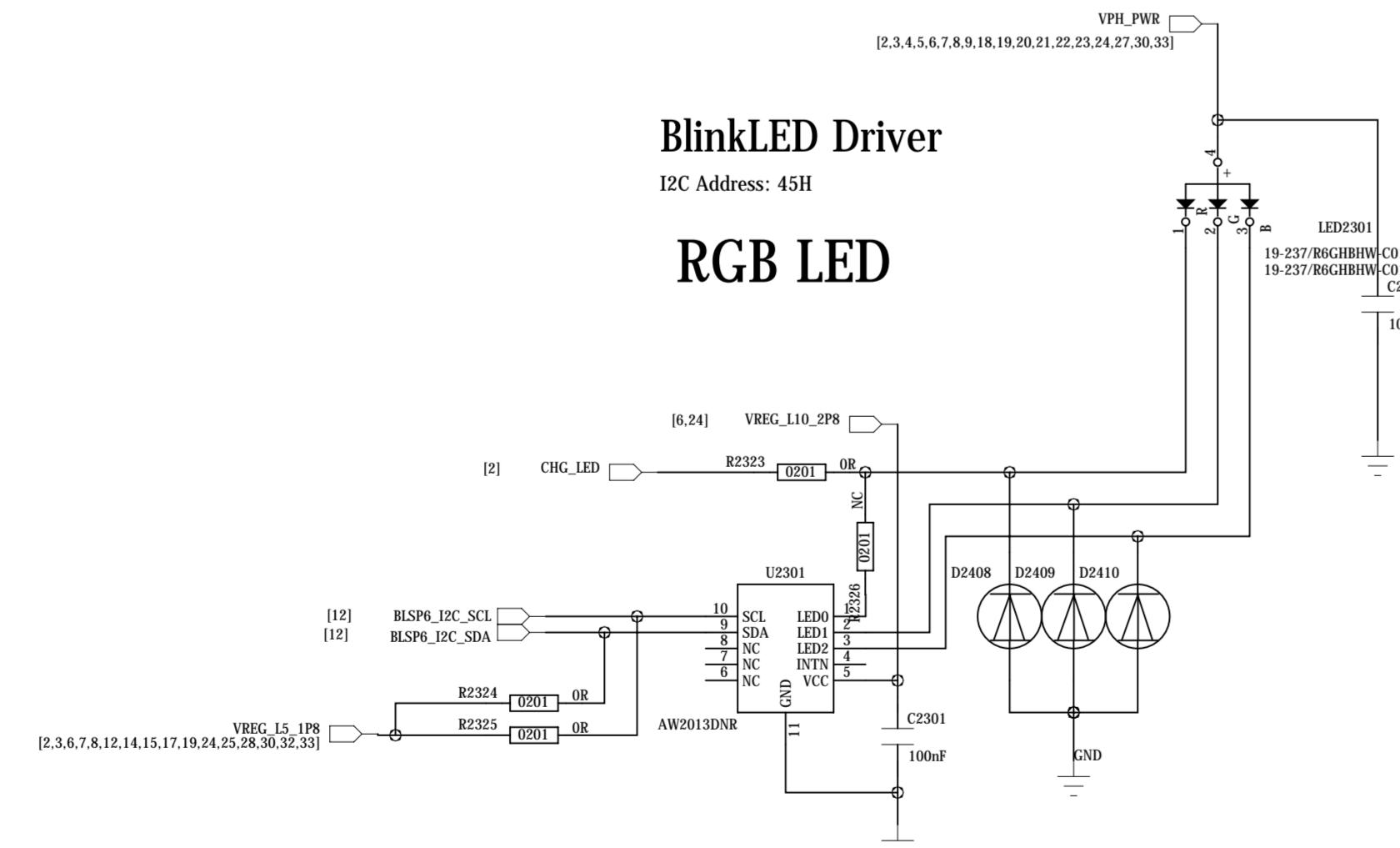
D

## Power Key



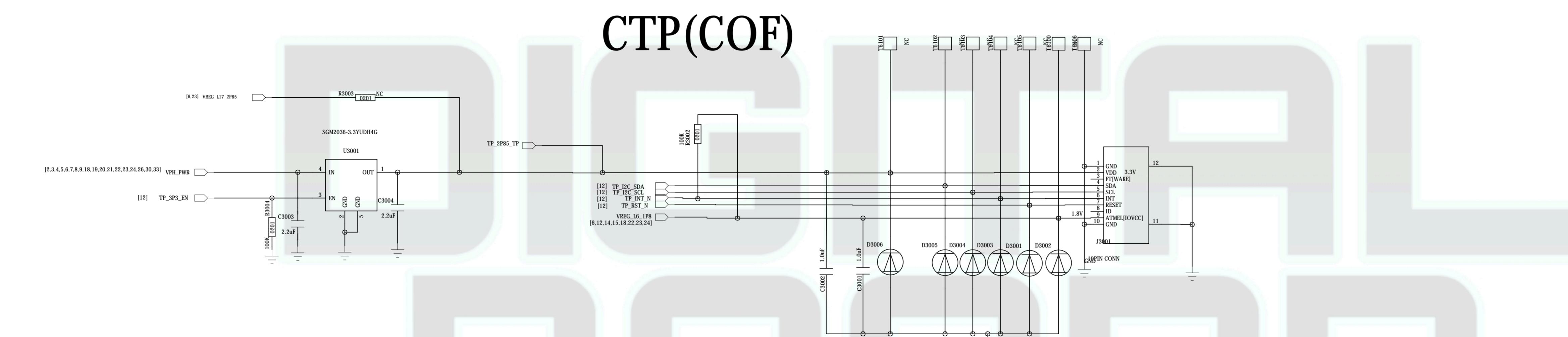
# DIGITAL BOARD

## ESQUEMAS DIGITALIZADOS

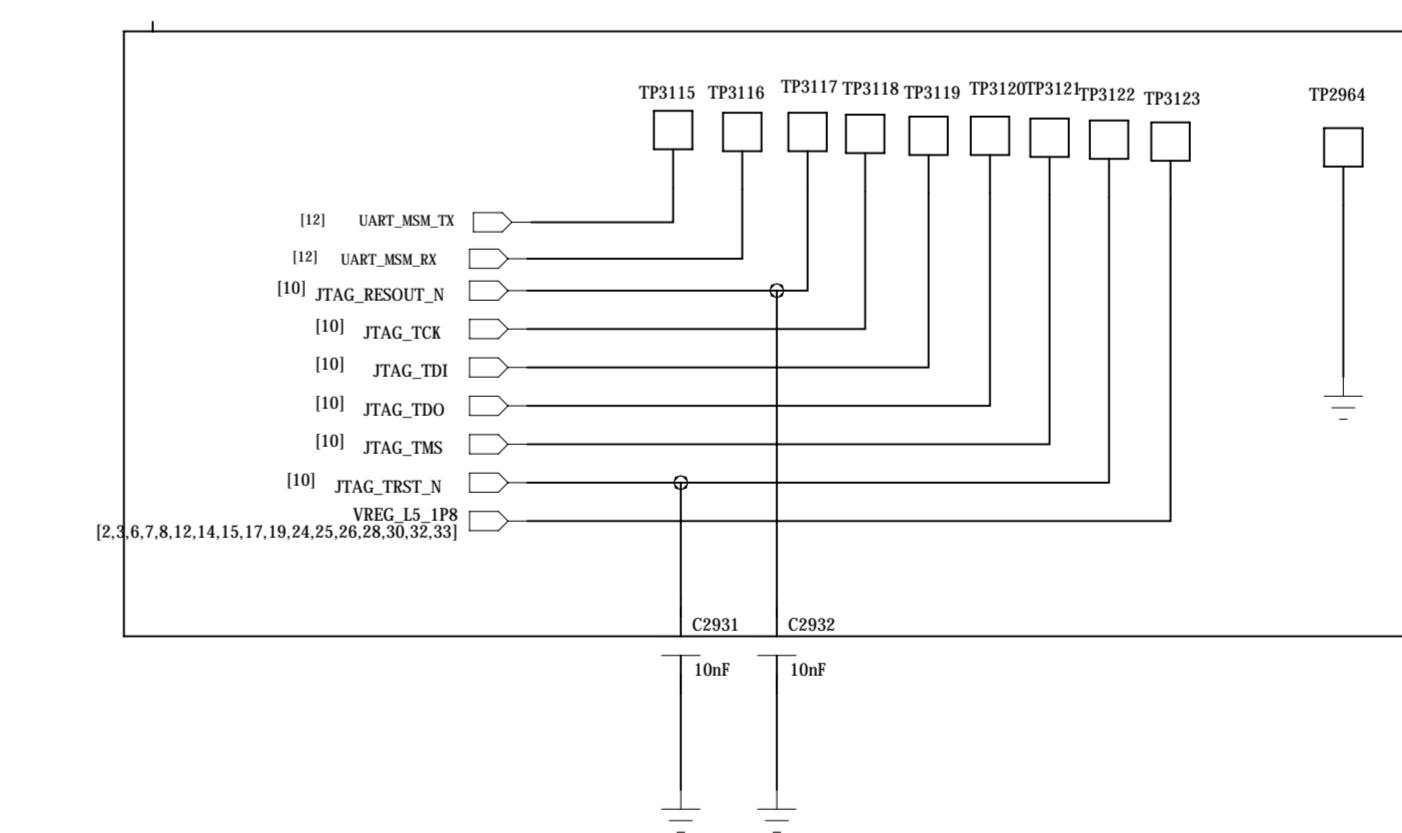
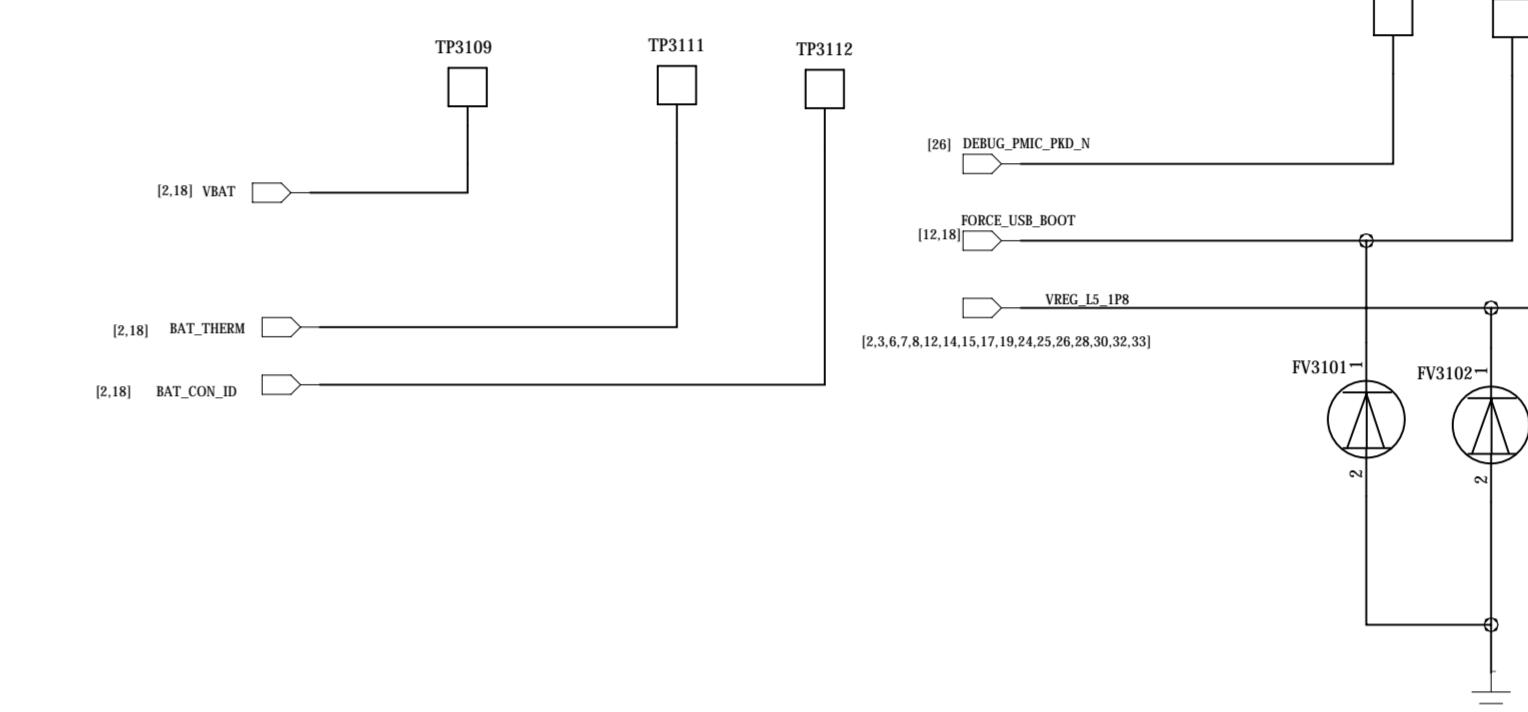
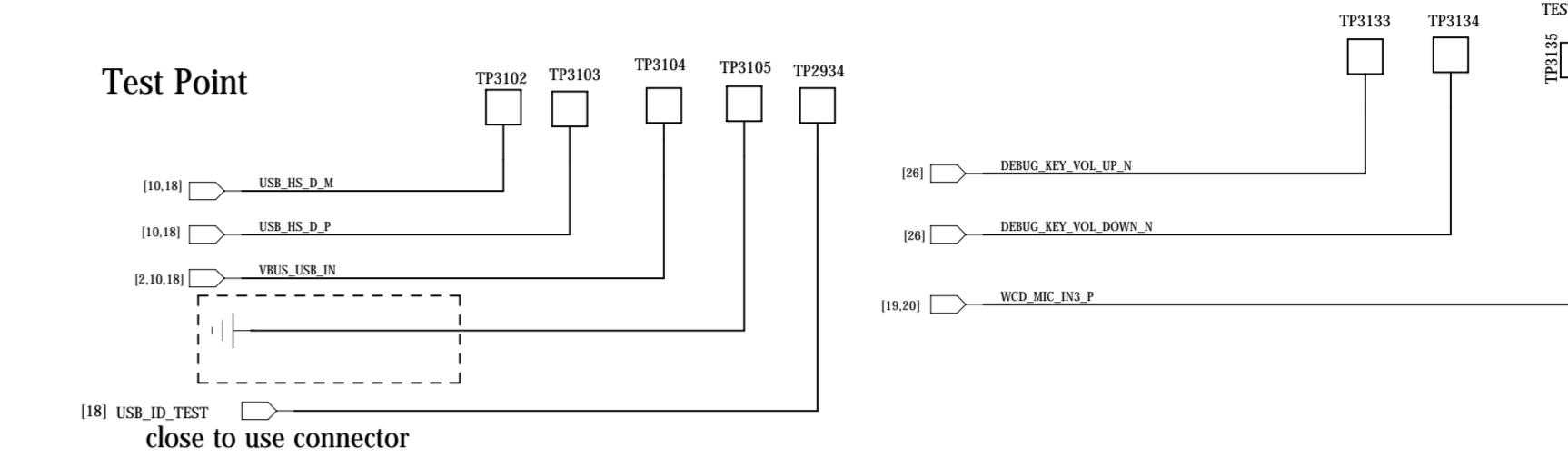
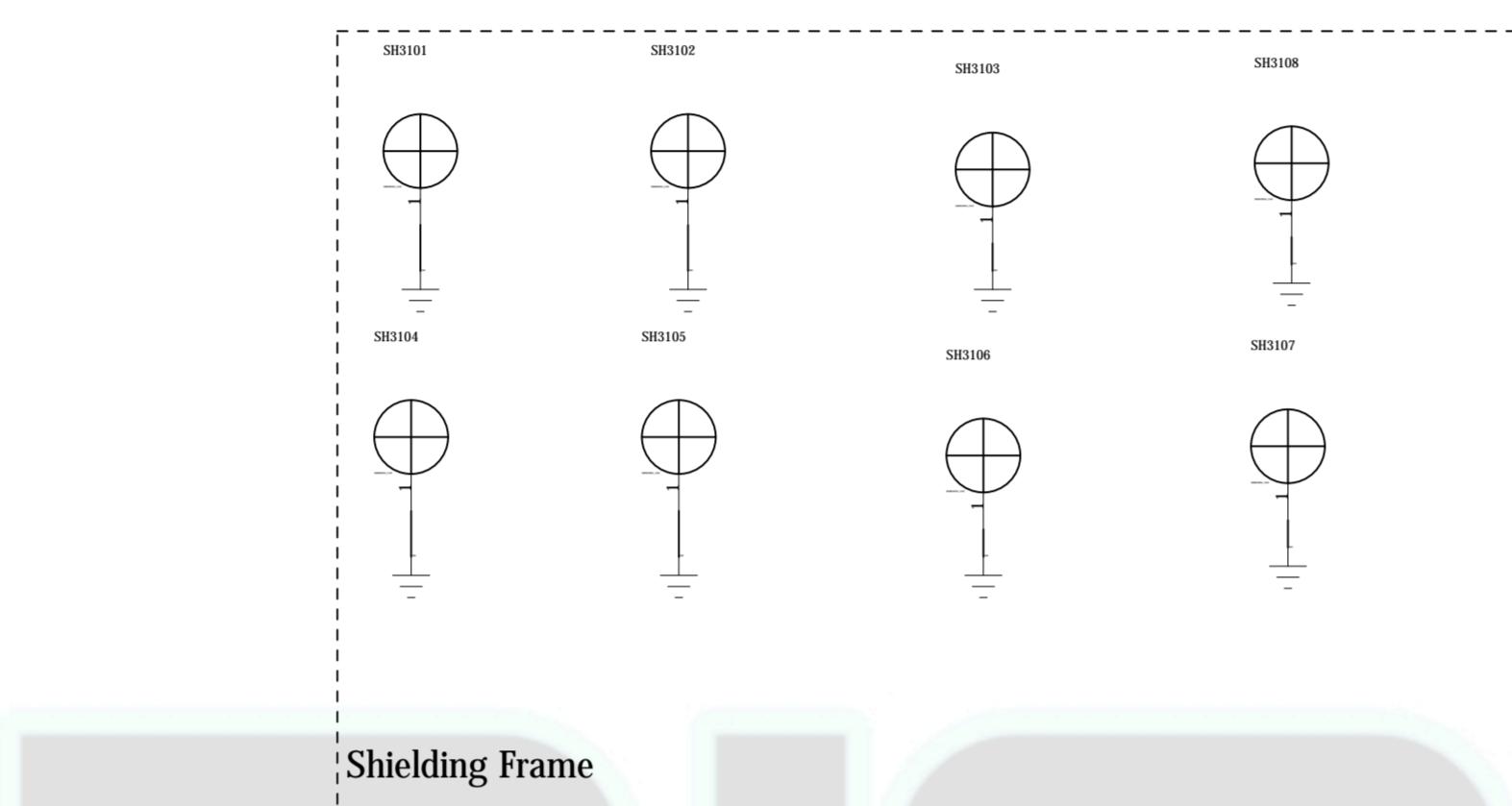
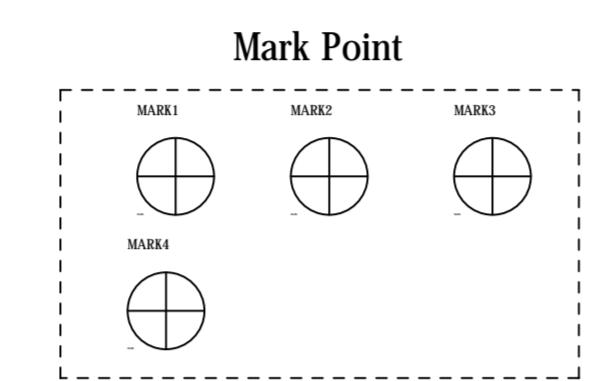


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|---------------------|----------------|-------------------------------|-------------------------|
| COMPANY:            | <Company Name> |                               |                         |
| TITLE:              | <Title>        |                               |                         |
| DRAWN:              | <Drawn By>     | DATED:                        | <Drawn Date>            |
| CHECKED:            | <Checked By>   | DATED:                        | <Checked Date>          |
| QUALITY CONTROL:    | <QC By>        | DATED:                        | <QC Date>               |
| RELEASED:           | <Released By>  | DATED:                        | <Release Date>          |
| CODE:               | SIZE:          | DRAWING NO.:                  | REV.:                   |
| <b>&lt;Code&gt;</b> | A0             | <b>&lt;Drawing Number&gt;</b> | <b>&lt;Revision&gt;</b> |
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| SHEET:              | 26             | SHEET:                        | 34                      |

| REVISION RECORD |         |           |       |
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| ITR             | ECO NO. | APPROVED: | DATE: |
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|                                      |                       |
|--------------------------------------|-----------------------|
| COMPANY: <Company Name>              |                       |
| TITLE: <Title>                       |                       |
| DRAWN: <Drawn By>                    | DATED: <Drawn Date>   |
| CHECKED: <Checked By>                | DATED: <Checked Date> |
| QUALITY CONTROL: <QC By>             | DATED: <QC Date>      |
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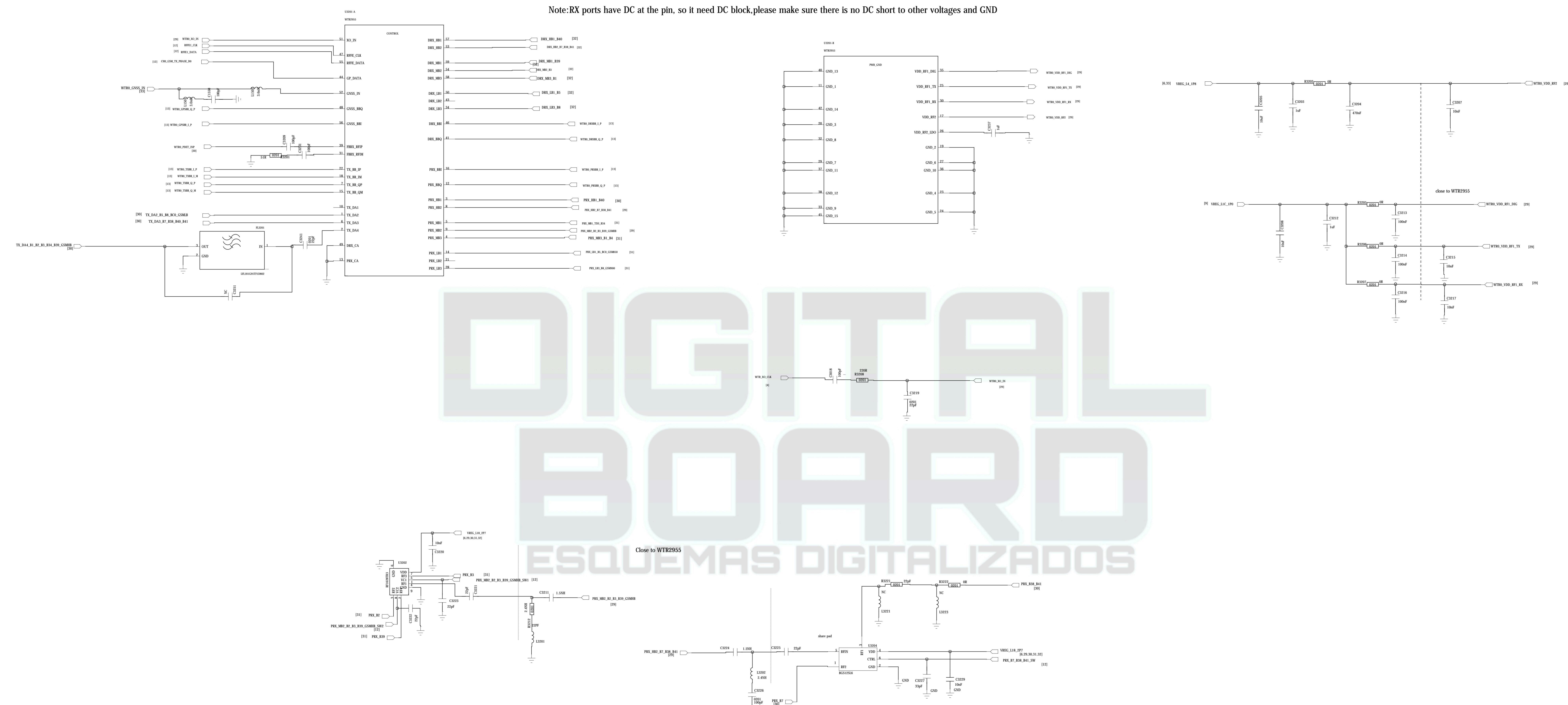


JTAG CONNECTOR

| REVISION RECORD |         |           |       |
|-----------------|---------|-----------|-------|
| ltr             | ECO NO: | APPROVED: | DATE: |
|                 |         |           |       |
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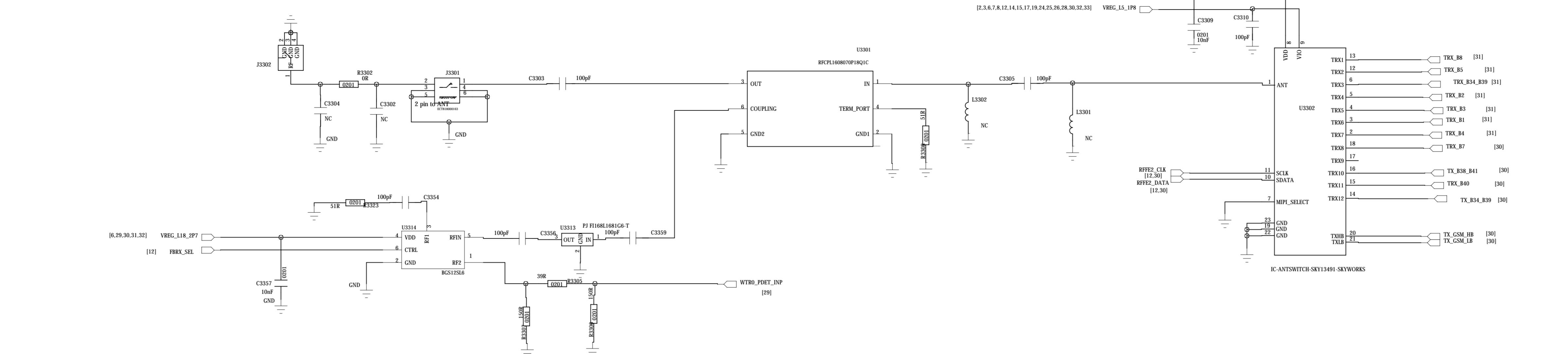


## RF1628

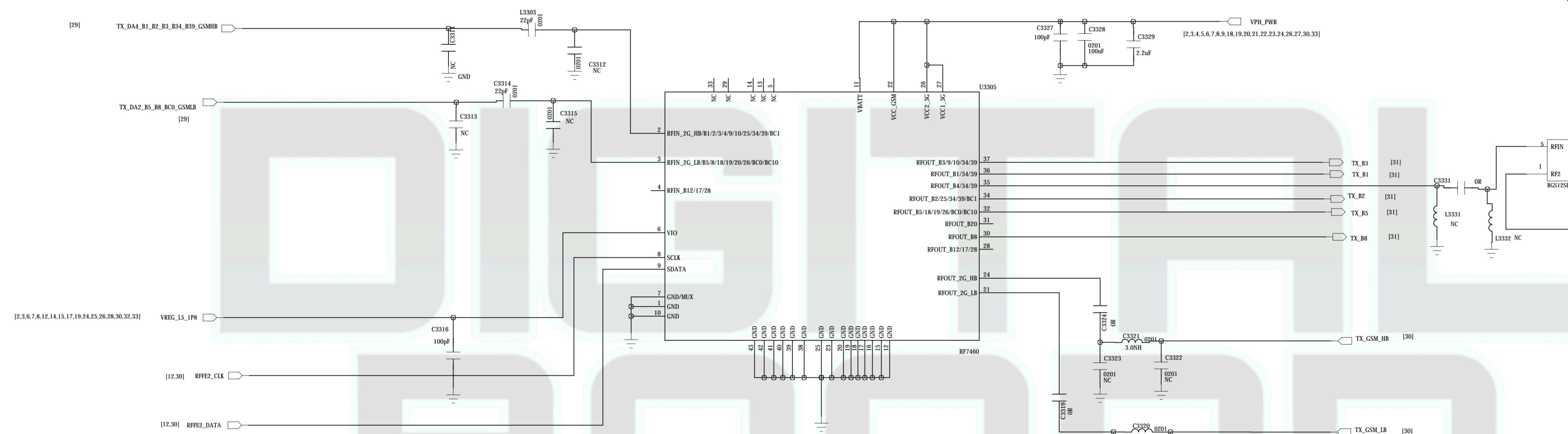
| mode    | VCTL1 | VCTL2 |
|---------|-------|-------|
| RF1-RF3 | L     | H     |
| RF1-RF2 | H     | L     |
| RF1-RF4 | H     | H     |

| RF1630   | MODE | VC1 |
|----------|------|-----|
| RFIN-RF1 | 0    |     |
| RFIN-RF2 | 1    |     |

|                             |              |   |
|-----------------------------|--------------|---|
| DRAWN: <Drawn By>           |              | DATED: <Drawn Date>                               |
| CHECKED: <Checked By>       |              | DATED: <Checked Date>                             |
| QUALITY CONTROLLED: <QC By> |              | DATED: <QC Date>                                  |
| RELEASED: <Released By>     |              | DATED: <Release Date>                             |
| CODE: <Code>                | SIZE: <Size> | DRAWING NO: <Drawing Number> Revision: <Revision> |
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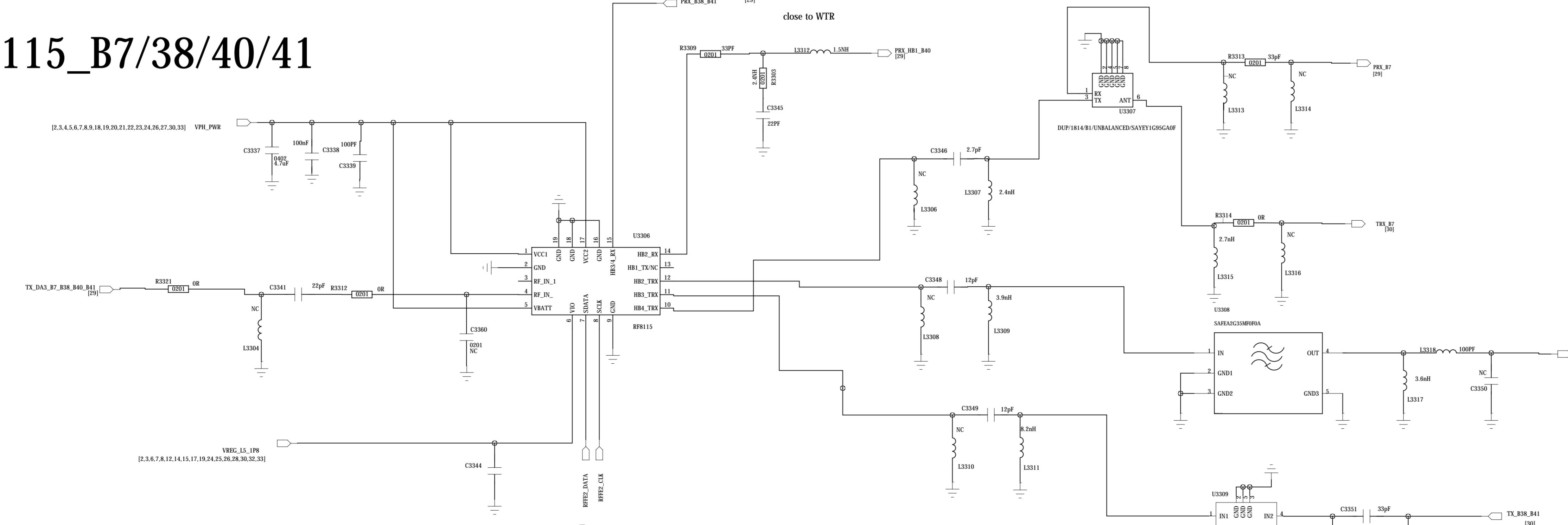


|           |     |
|-----------|-----|
| RF1630    |     |
| MODE      | VC1 |
| RFIN--RF1 | 0   |
| RFIN--RF2 | 1   |



RT2401, C2417 near to PA U3202 U3303

RF8115 B7/38/40/41

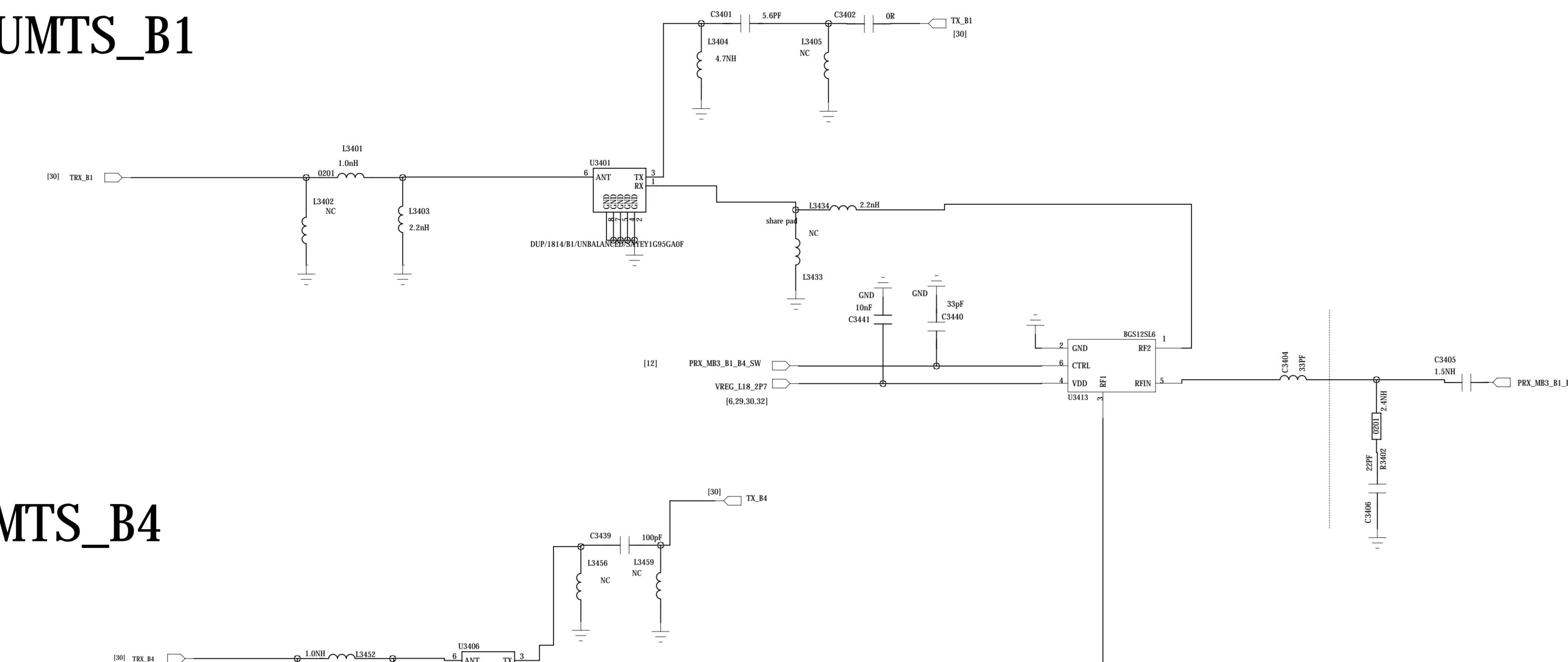


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|----------------|----------------|------------------|------------|
| COMPANY:       | <Company Name> |                  |            |
| TITLE:         | <Title>        |                  |            |
| CODE:          | SIZE:          | DRAWING NO:      | REV:       |
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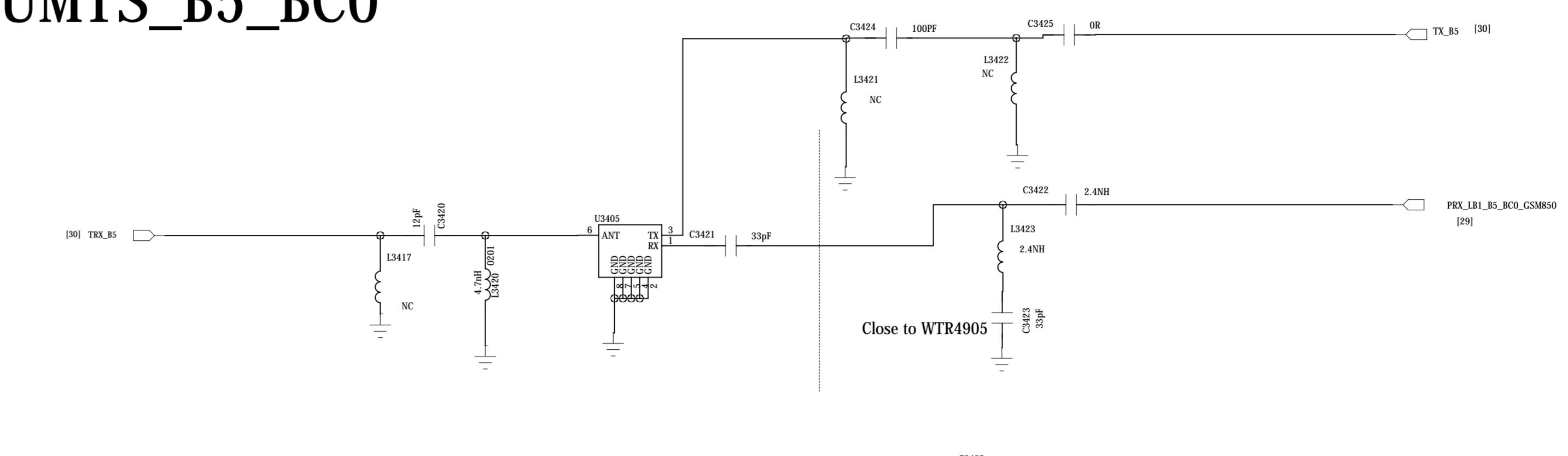
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|-----------------|---------|-----------|------|
| UTR             | ECO NO. | APPROVED: | DATE |
|                 |         |           |      |
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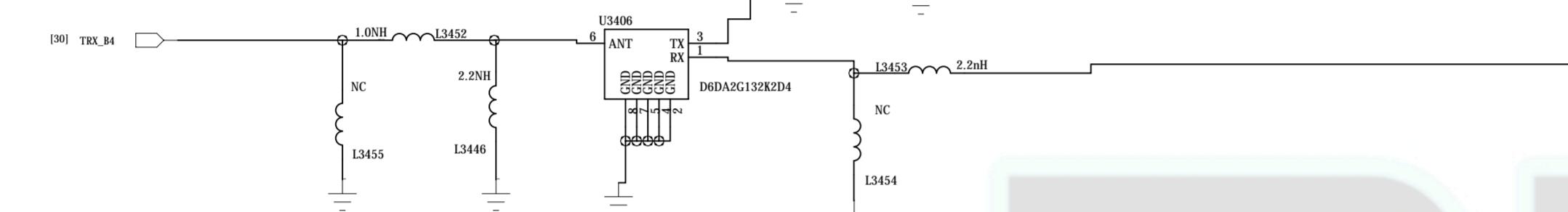
TRX\_UMTS\_B1



TRX\_UMTS\_B5\_BCO

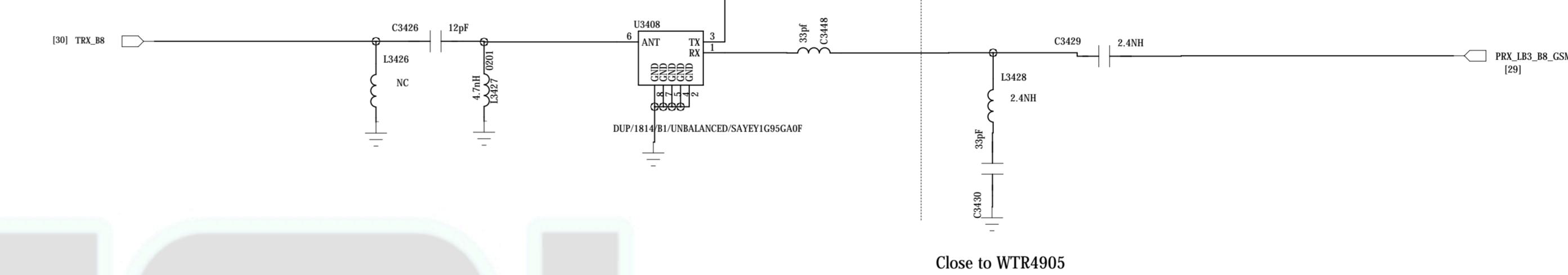


TRX\_UMTS\_B4

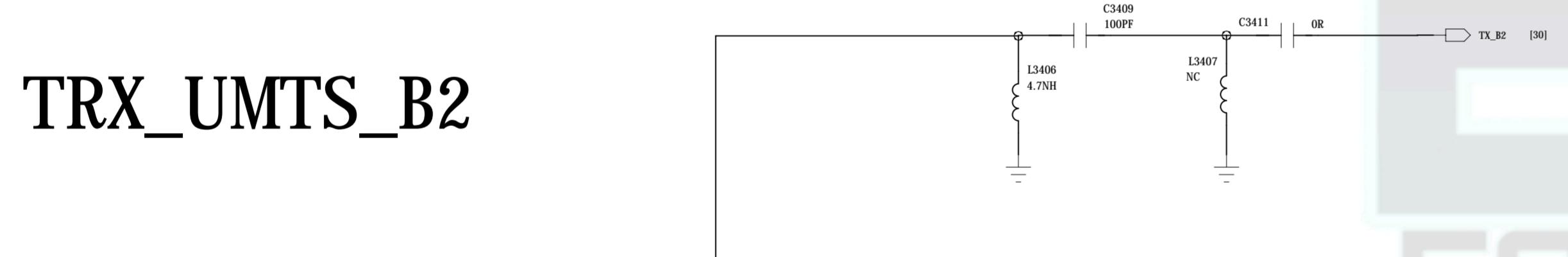


| RF1630   |     |
|----------|-----|
| MODE     | VC1 |
| RFIN-RF1 | 0   |
| RFIN-RF2 | 1   |

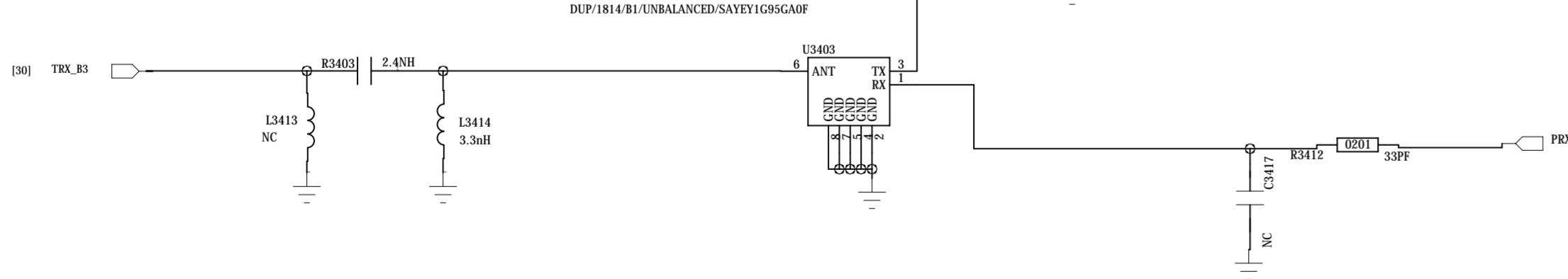
TRX\_UMTS\_B8



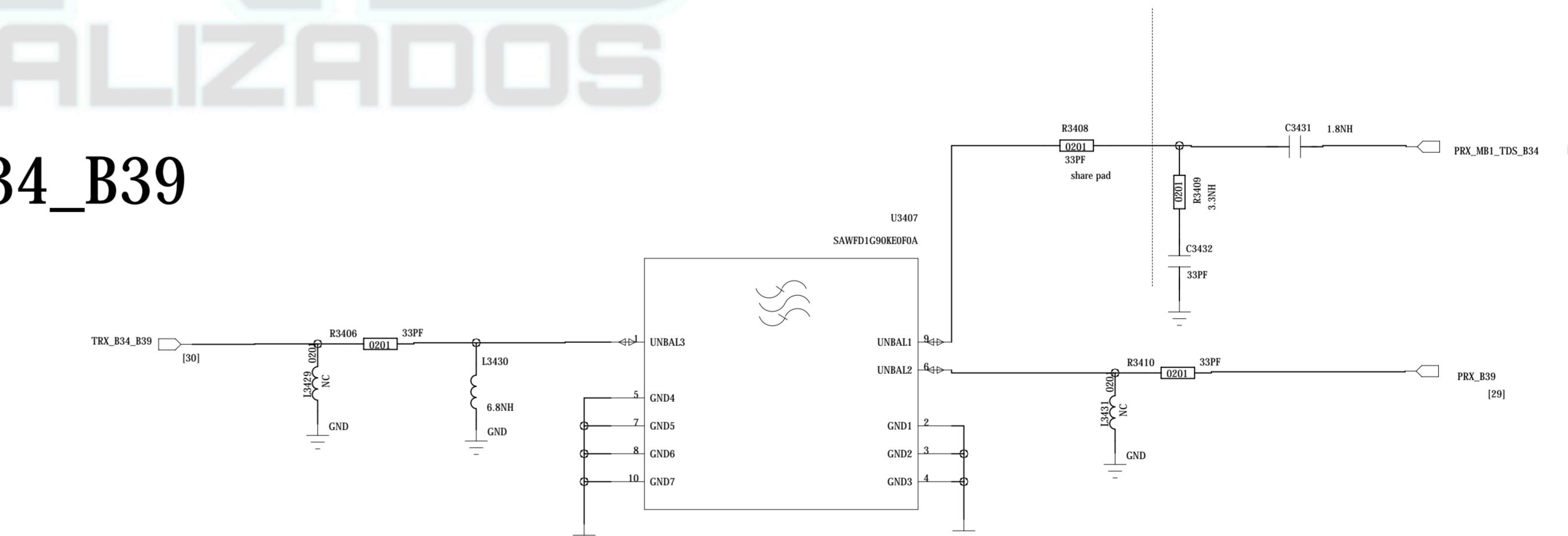
TRX\_UMTS\_B2



TRX\_LTE\_B3



TRX\_TDS\_B34\_B39

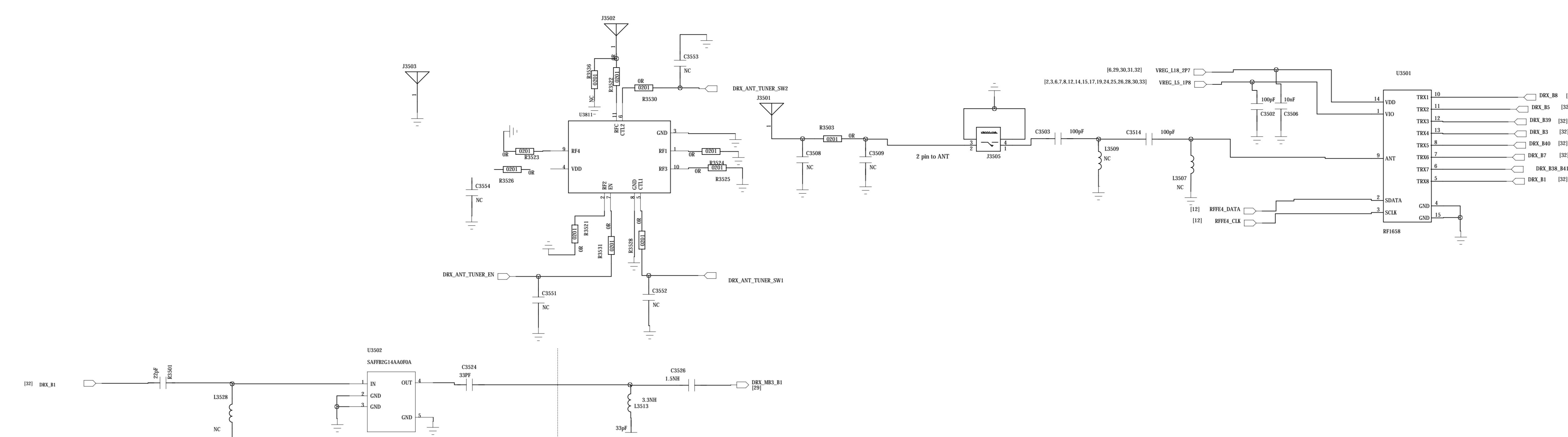
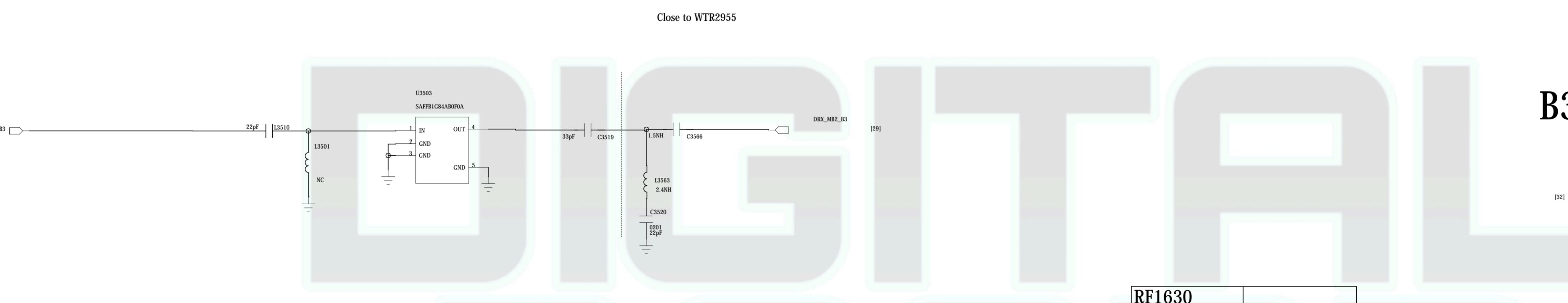
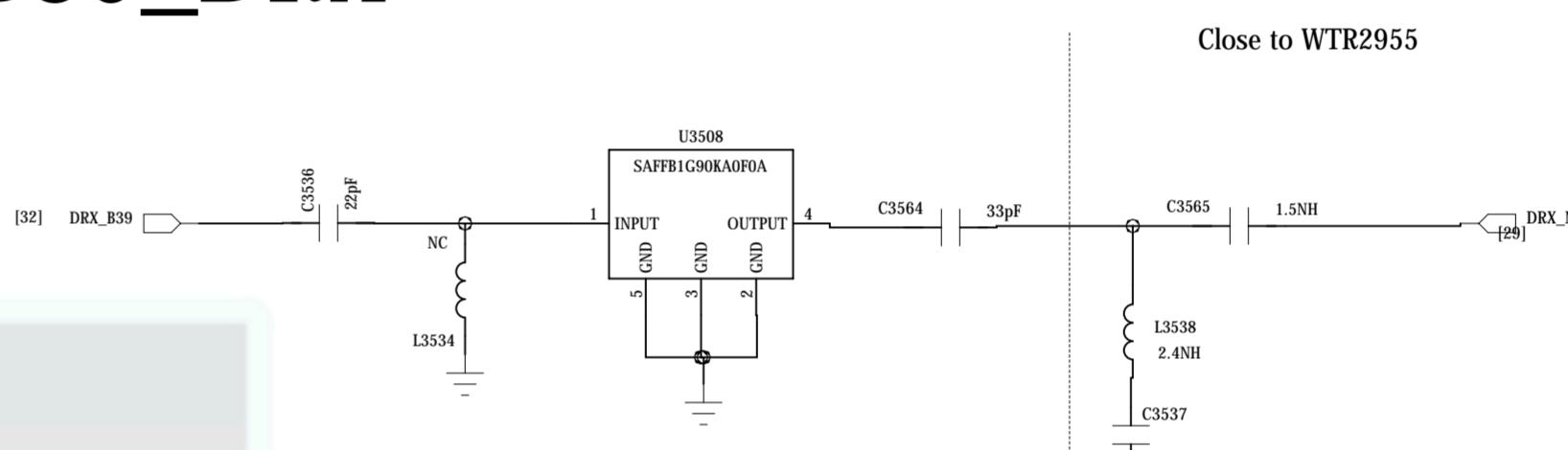
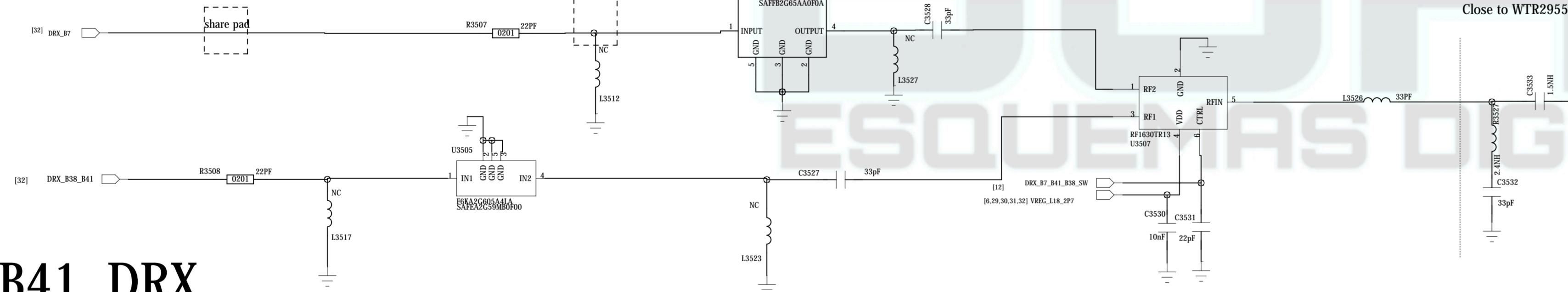
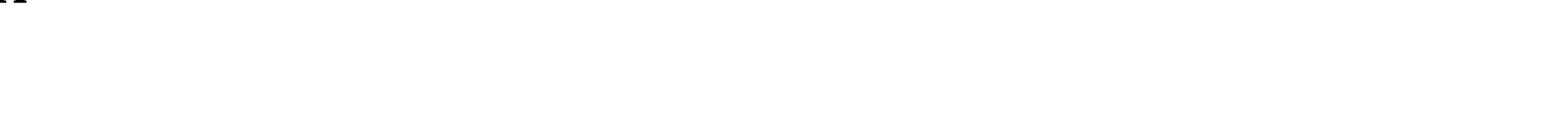
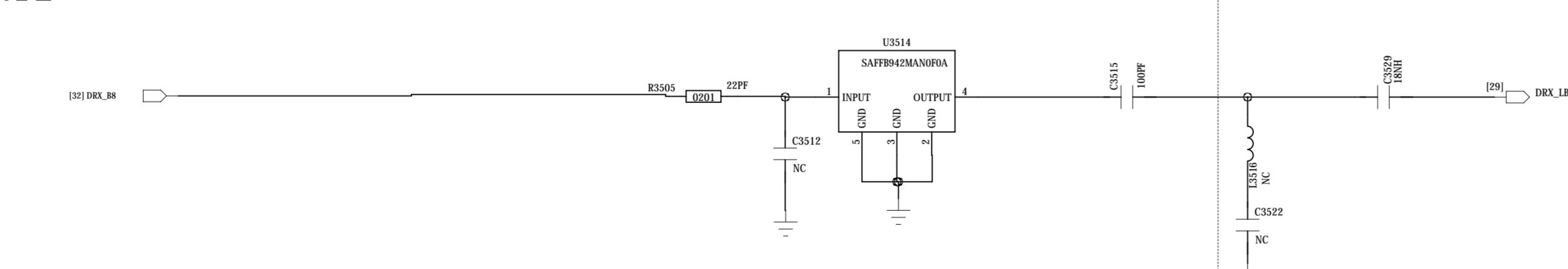
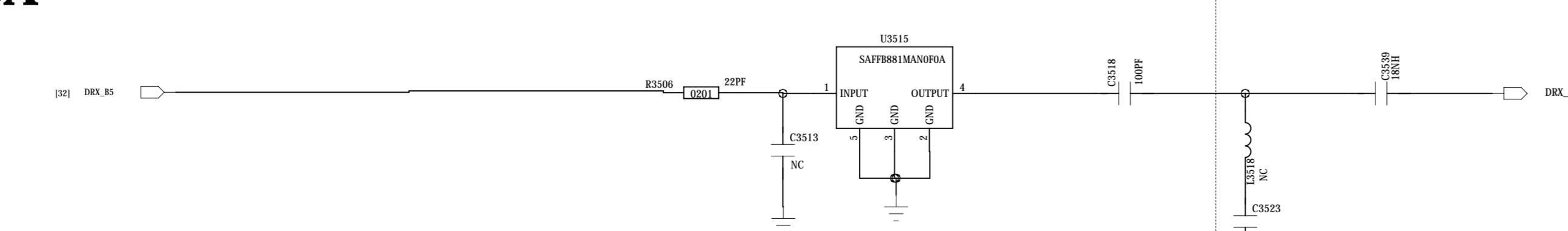


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|------------------|----------------|--------------|----------------------------|
| COMPANY:         | <Company Name> |              |                            |
| TITLE:           | <Title>        |              |                            |
| DRAWN:           | <Drawn By>     | DATED:       | <Drawn Date>               |
| CHECKED:         | <Checked By>   | DATED:       | <Checked Date>             |
| QUALITY CONTROL: | <QC By>        | DATED:       | <QC Date>                  |
| RELEASED:        | <Released By>  | DATED:       | <Release Date>             |
| CODE:            | SIZE:          | DRAWING NO.: | REV.                       |
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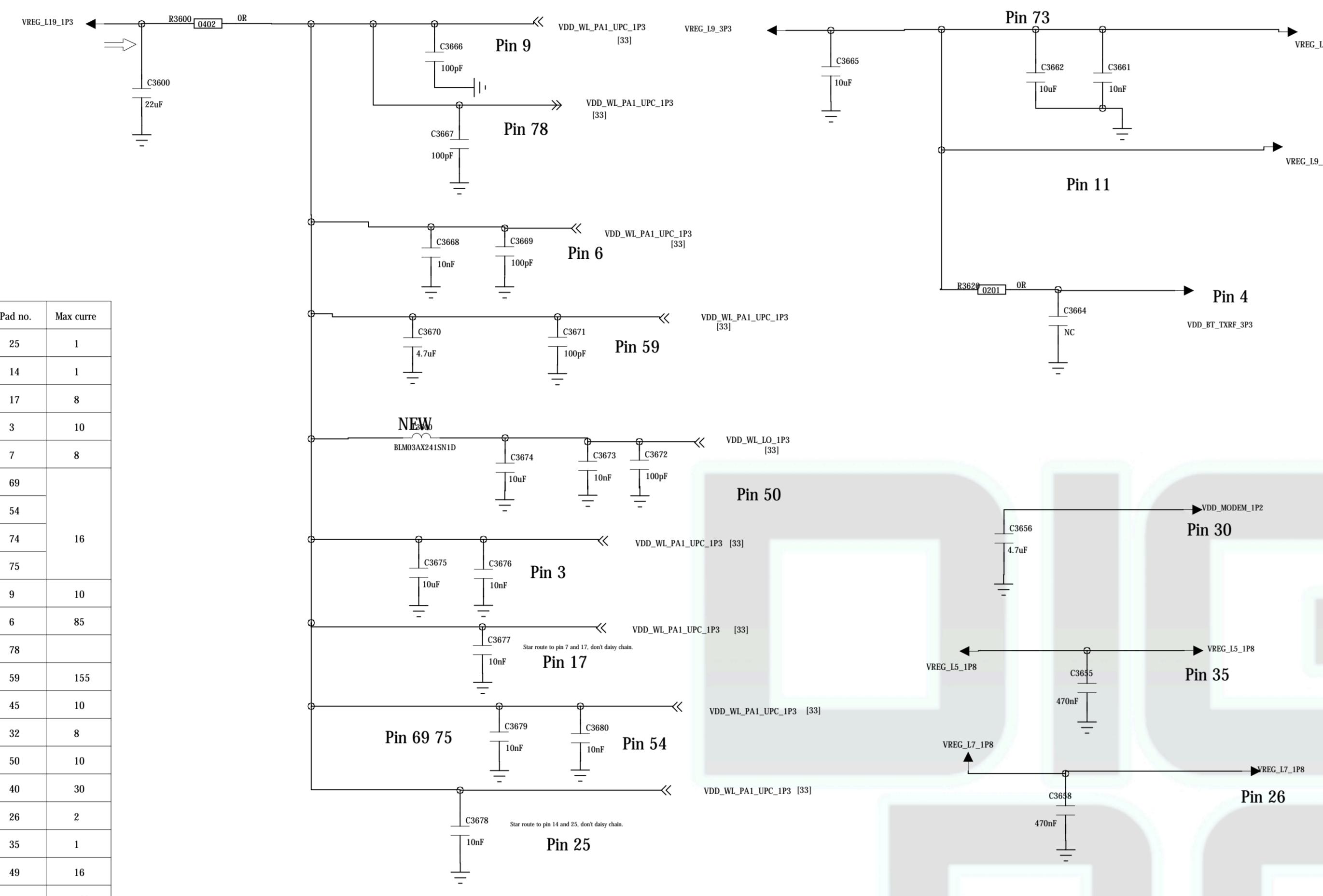
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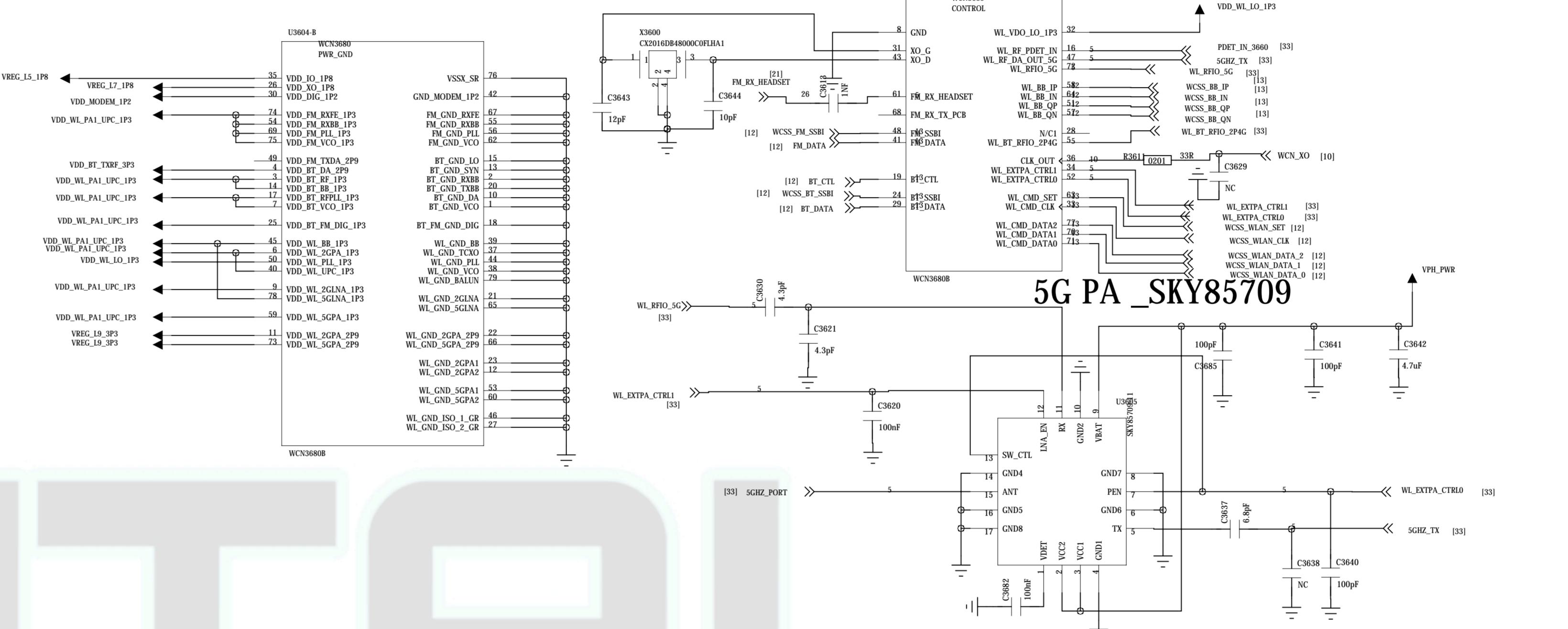
**B1/B4\_DRX****B2/B3\_DRX****B39\_DRX****B7\_DRX****B38\_B41\_DRX****B8\_DRX****B5\_DRX**

|   |                       |
|---|-----------------------|
| COMPANY: <Company Name>                         | TITLE: <Title>        |
| DRAWN: <Drawn By>                               | DATED: <Drawn Date>   |
| CHECKED: <Checked By>                           | DATED: <Checked Date> |
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| SHEET: 22                                       | 24                    |

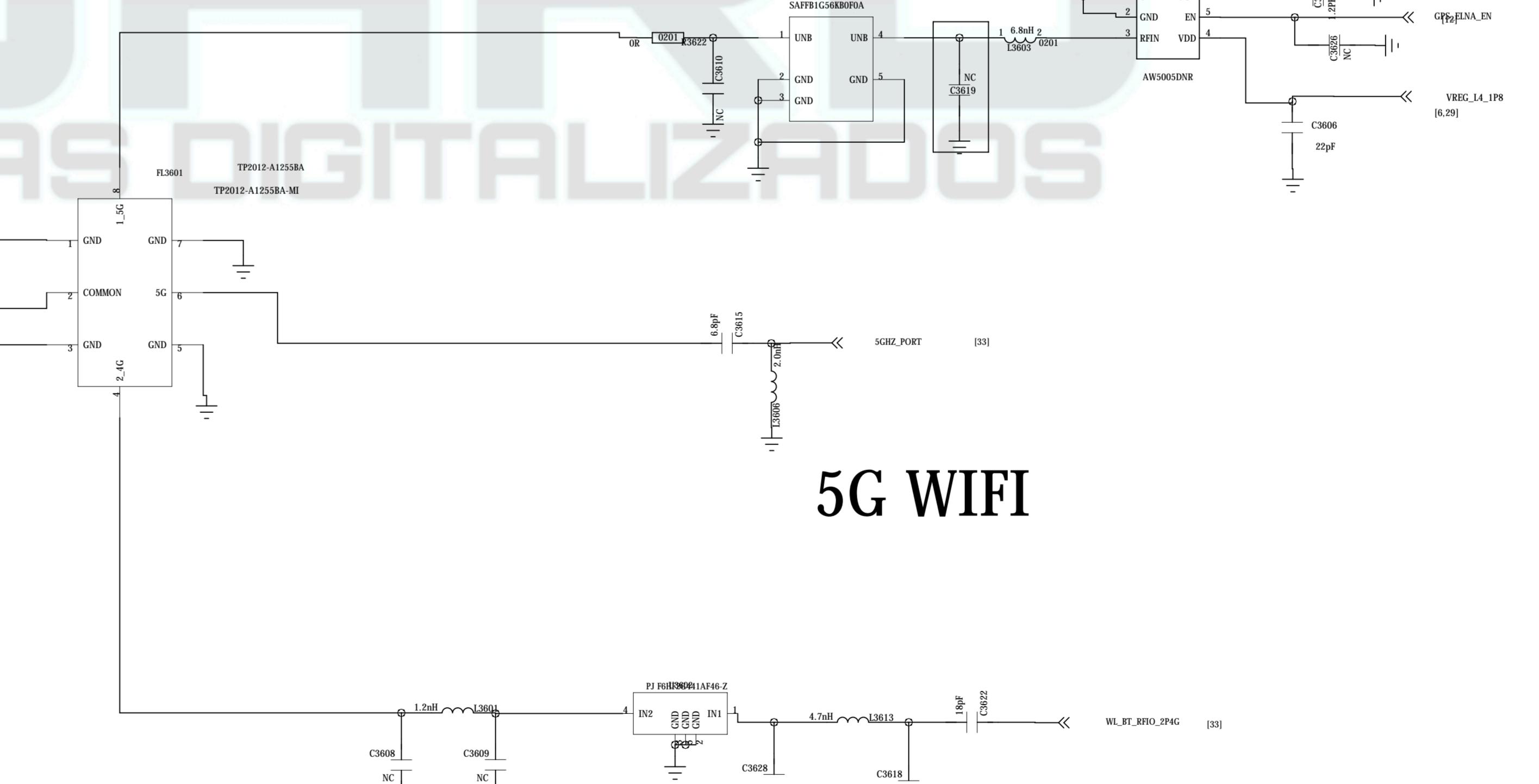
**WIFI/BT**



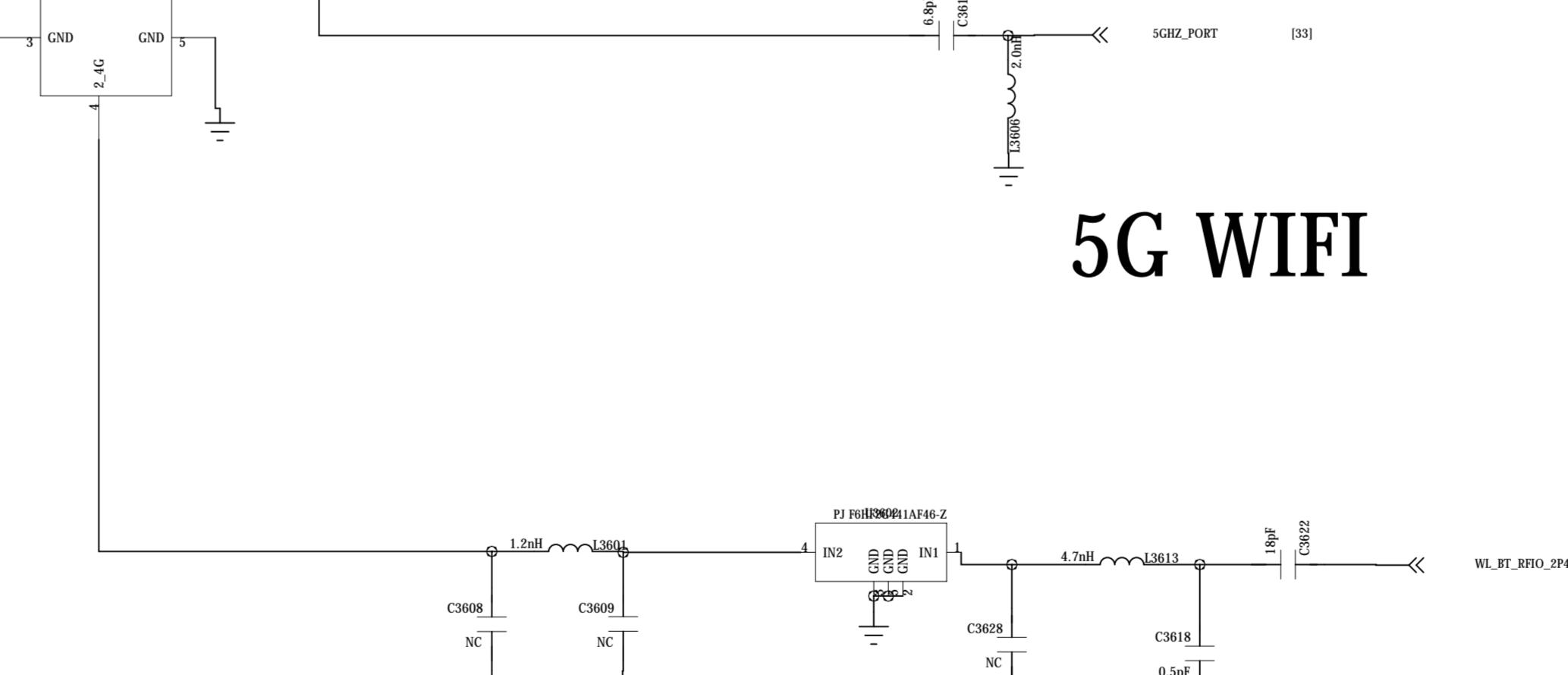
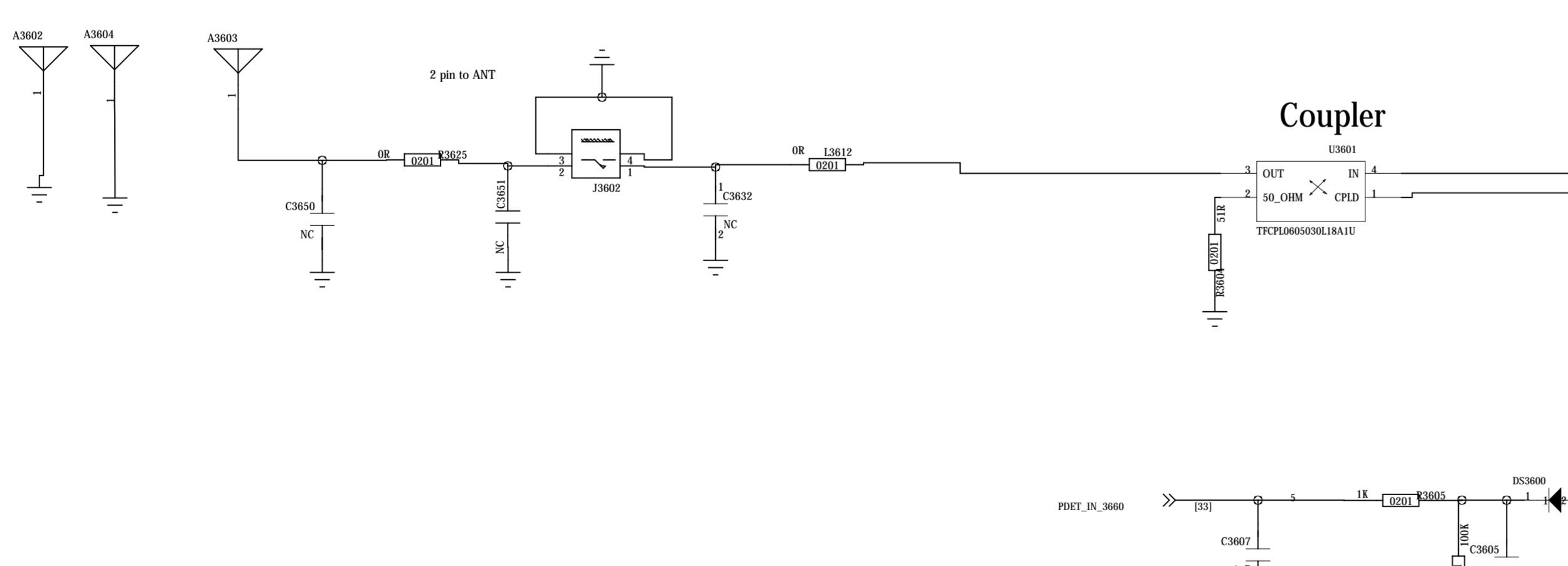
| Voltage | Pad name          | Pad no. | Max current |
|---------|-------------------|---------|-------------|
| 1P3     | VDD_BT_FM_DIG_1P3 | 25      | 1           |
|         | VDD_BT_BB_1P3     | 14      | 1           |
|         | VDD_BT_PLL_1P3    | 17      | 8           |
|         | VDD_BT_RXRF_1P3   | 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_IO_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     | SW_CTL |
|----------|--------|
| WLAN_RX  | HIGH   |
| WLAN_TX  | LOW    |
| WLAN OFF | LOW    |



## 2.4G WIFI/BT



WIFI

|                      |                |       |                            |
|----------------------|----------------|-------|----------------------------|
| COMPANY:             | <Company Name> |       |                            |
| TITLE:               | <Title>        |       |                            |
| TED:<br>rawn Date>   | CODE:          | SIZE: | DRAWING NO:                |
| ED:<br>checked Date> | <Code>         | A0    | <Drawing Number><Revision> |
| ED:<br>C Date>       |                |       |                            |
| ED:                  |                |       |                            |

| REVISION RECORD |         |          |      |
|-----------------|---------|----------|------|
| REV             | ECO NO. | APPROVED | DATE |
|                 |         |          |      |
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# DIGITAL BOARD

ESQUEMAS DIGITALIZADOS

|                  |                |                            |                |
|------------------|----------------|----------------------------|----------------|
| COMPANY:         | <Company Name> |                            |                |
| TITLE:           | <Title>        |                            |                |
| DRAWN:           | <Drawn By>     | DATED:                     | <Drawn Date>   |
| CHECKED:         | <Checked By>   | DATED:                     | <Checked Date> |
| QUALITY CONTROL: | <QC By>        | DATED:                     | <QC Date>      |
| RELEASED:        | <Released By>  | DATED:                     | <Release Date> |
| CODE:            | SIZE:          | DRAWING NO.:               | REV:           |
| <Code> A0        |                | <Drawing Number><Revision> |                |
| SCALE:           | <Scale>        | SCALE:                     | <Scale>        |
|                  |                | SHEET:                     | 24 34          |