

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

# DV6071Z-LD4-V2

HW VER:2.0

CPU:S905Y4-B

DDR:LPDDR4-3200(32bit) 2GB \*1

FLASH:eMMC(8GB)

VIDEO:HDMI 2.1

WIFI+BT:RTL8822CS( ac/a/b/g/n 2T2R,BT5.0)

REMOTE:BT

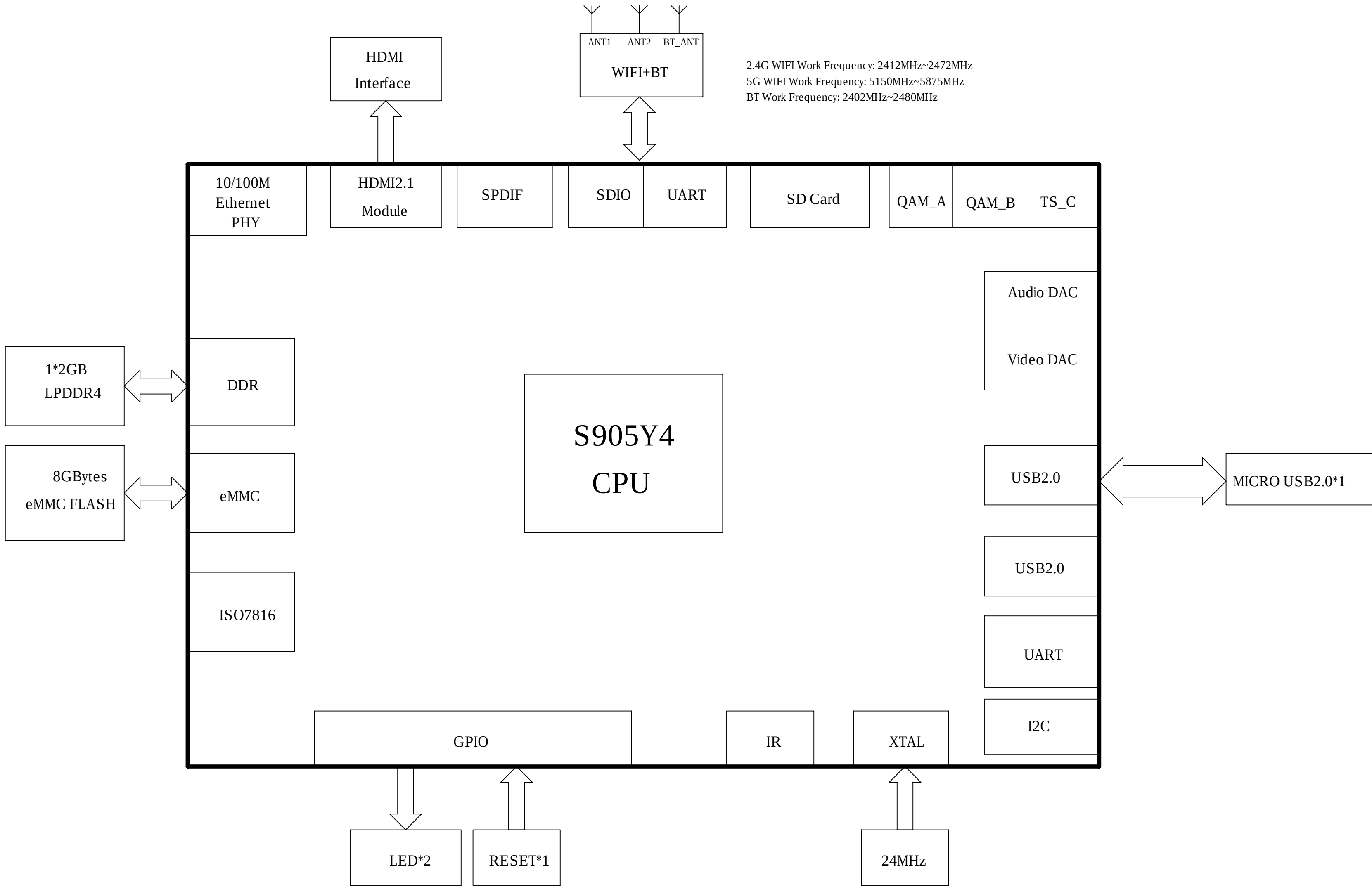
OTHERS:LED\*2+Reset key

|                     |        |                        |               |
|---------------------|--------|------------------------|---------------|
| COMPANY:SDMC        |        |                        |               |
| TITLE:P01_VIEW_MAIN |        |                        |               |
| CODE:               | SIZE:D | DRAWING NO:DV6071Z-LD4 | REV:V2        |
| SCALE:              |        |                        | SHEET: 1 OF 9 |

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| DRAWN:SIMON      | DATED:2021/09/07 |
| CHECKED:         | DATED:           |
| QUALITY CONTROL: | DATED:           |
| RELEASED:        | DATED:           |



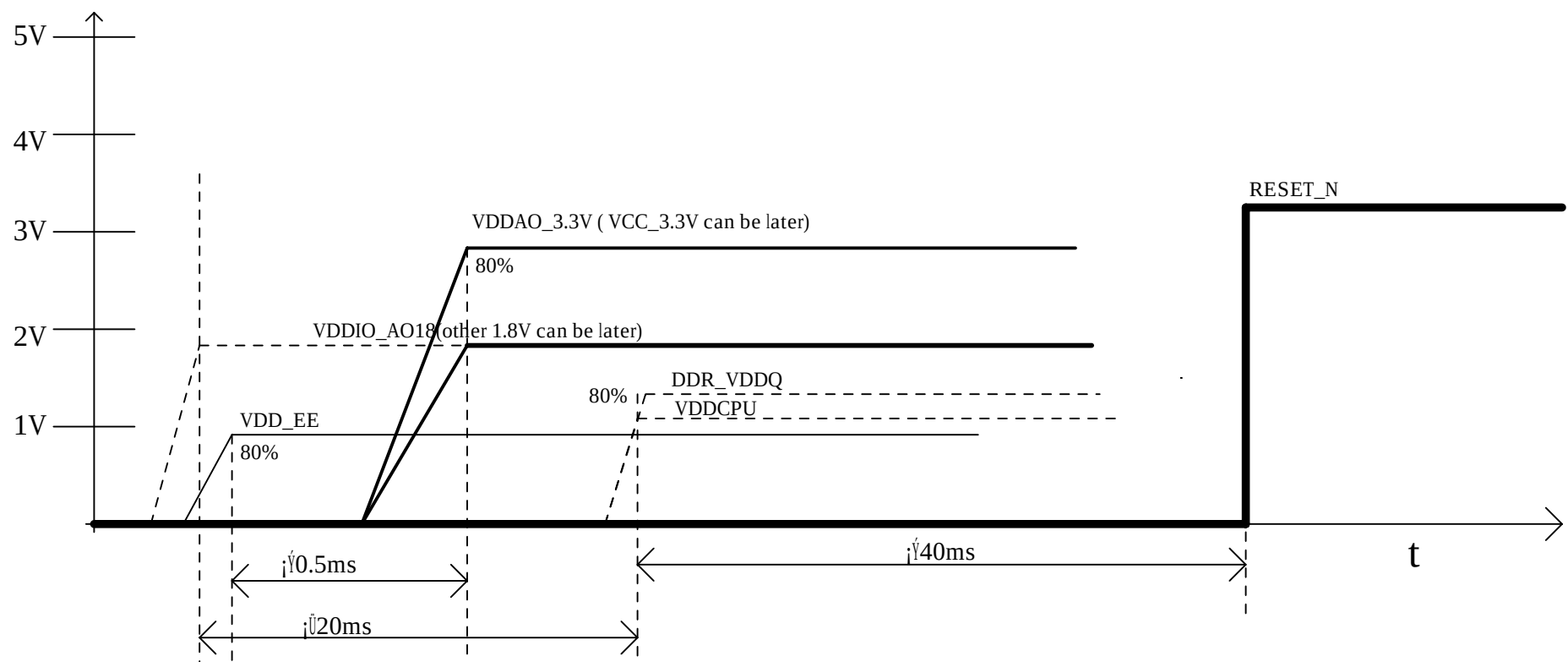
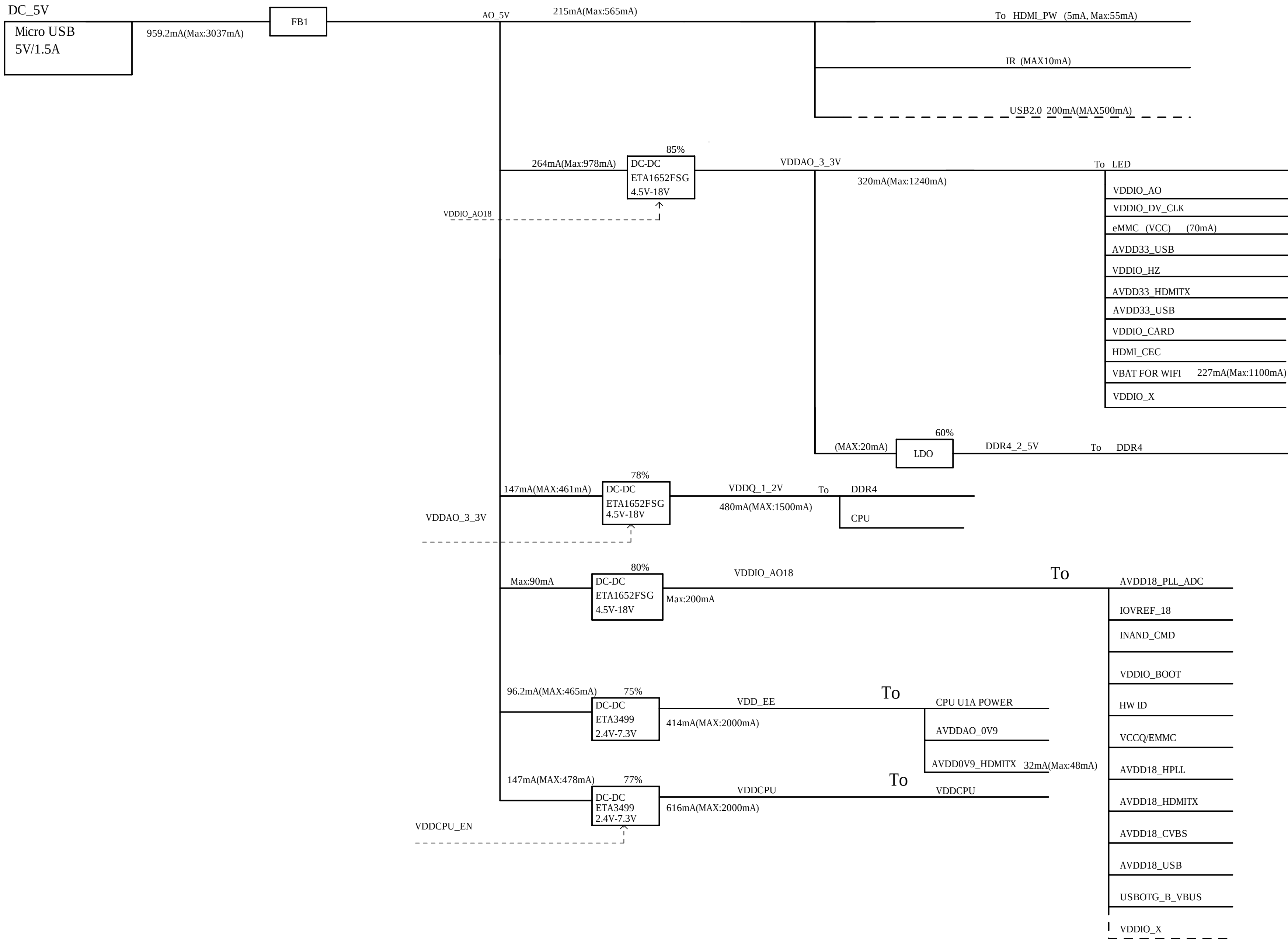
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| COMPANY:                |                | SDMC                           |                |
| TITLE:<br><br>P02_BLOCK |                |                                |                |
| CODE:                   | SIZE:<br><br>D | DRAWING NO:<br><br>DV6071Z-LD4 | REV:<br><br>V2 |
| SCALE:                  |                | SHEET: 2 OF 9                  |                |



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## NOTE:

- 1;† All test value refer to 80% of typical power voltage.
- 2;† VDDAO\_3.3V & VCC3.3V should ramp up > 0.5ms later than VDD\_EE.
- 3;† All power sources should get stable within 20ms(except for DDR\_VDDQ).
- 4;† No sequence requirement between VDDCPU & DDR\_VDDQ and other power source.
- 5;† VDDIO\_AO18 should ramps up earlier or at the same time with VDDAO\_3.3V & VCC3.3V, VDDAO\_3.3V & VCC3.3V should never be 2.5V higher than VDDIO\_AO18.
- 6;† In some designs, VDDCPU & VDD\_EE are merged to VCC\_CORE, the power on sequence should be same as VDD\_EE.
- 7;† RESET\_n should keep low for at least 40ms after power up (except DDR\_VDDQ).

COMPANY: SDMC

TITLE: P03\_POWER\_TREE

DRAWN: SIMON DATED: 2021/09/07

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QUALITY CONTROL: DATED:

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DV6071Z-LD4

V2

SCALE:

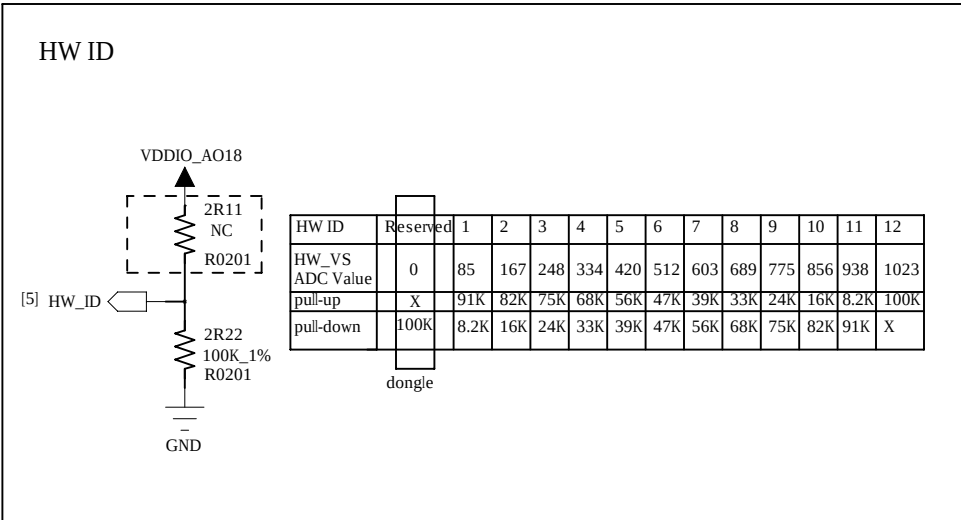
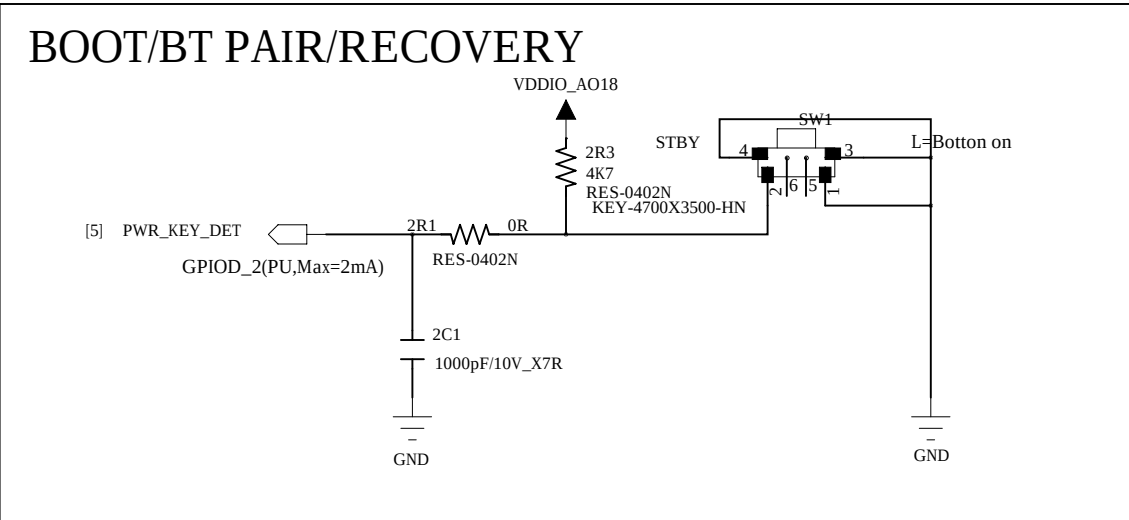
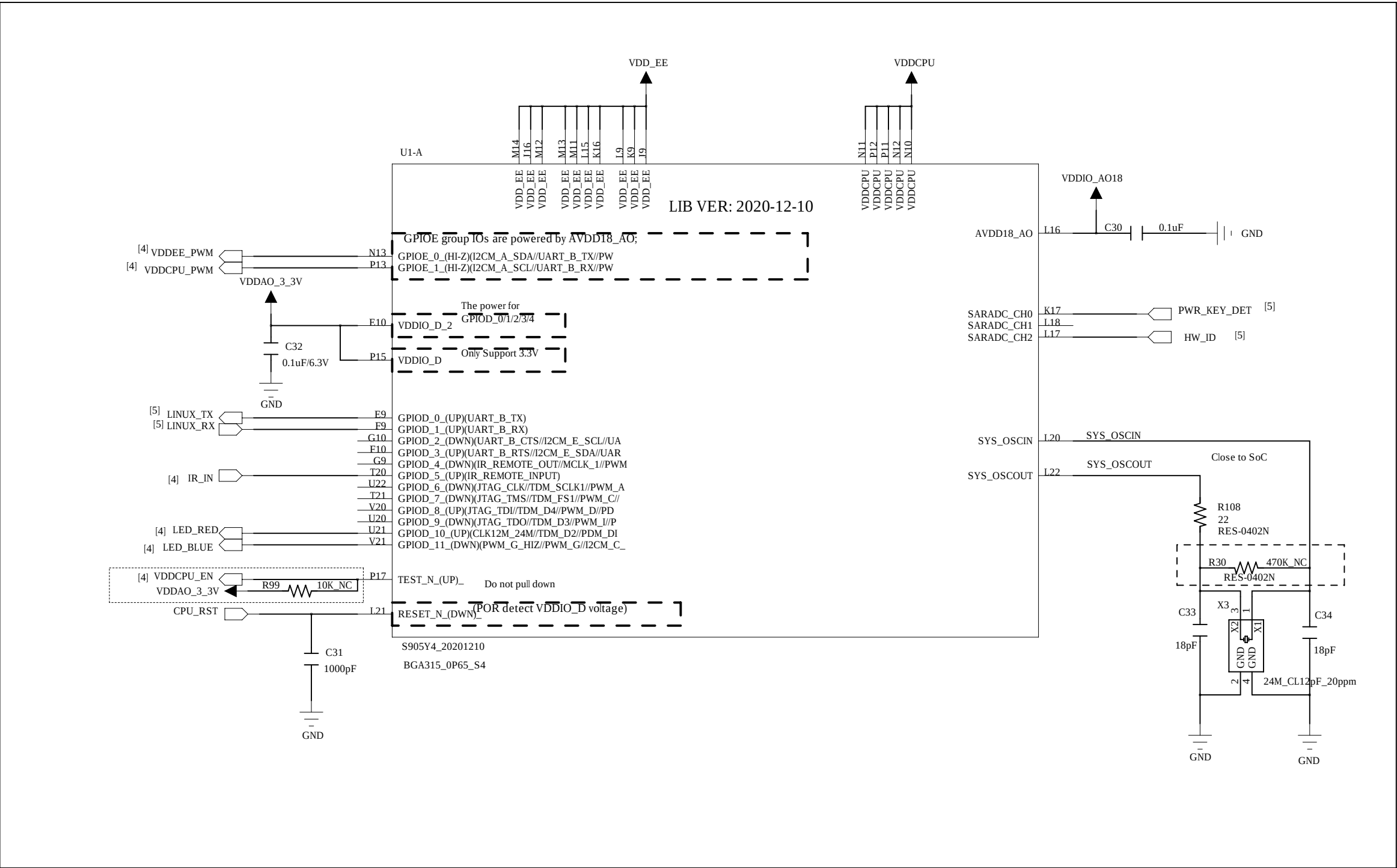
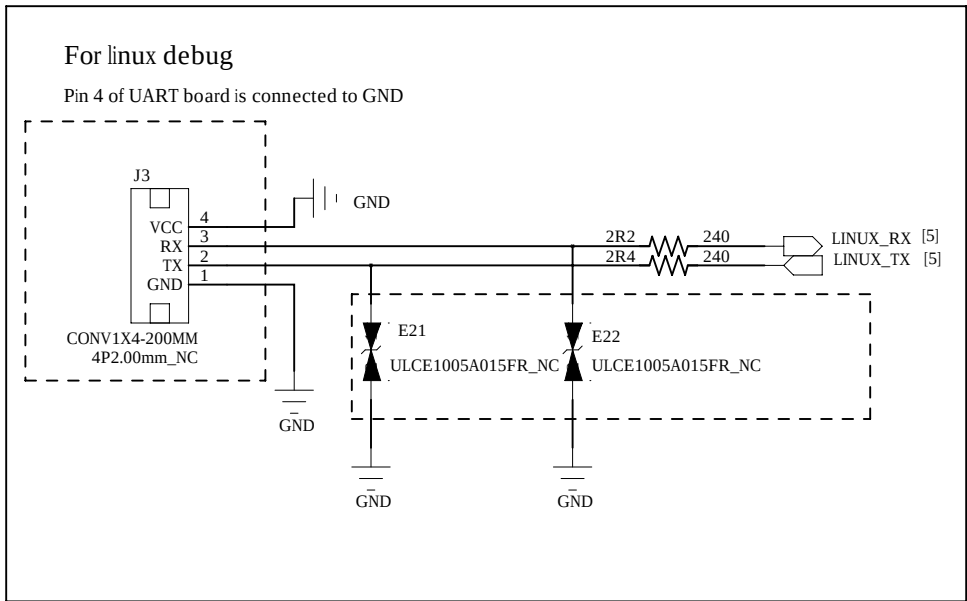
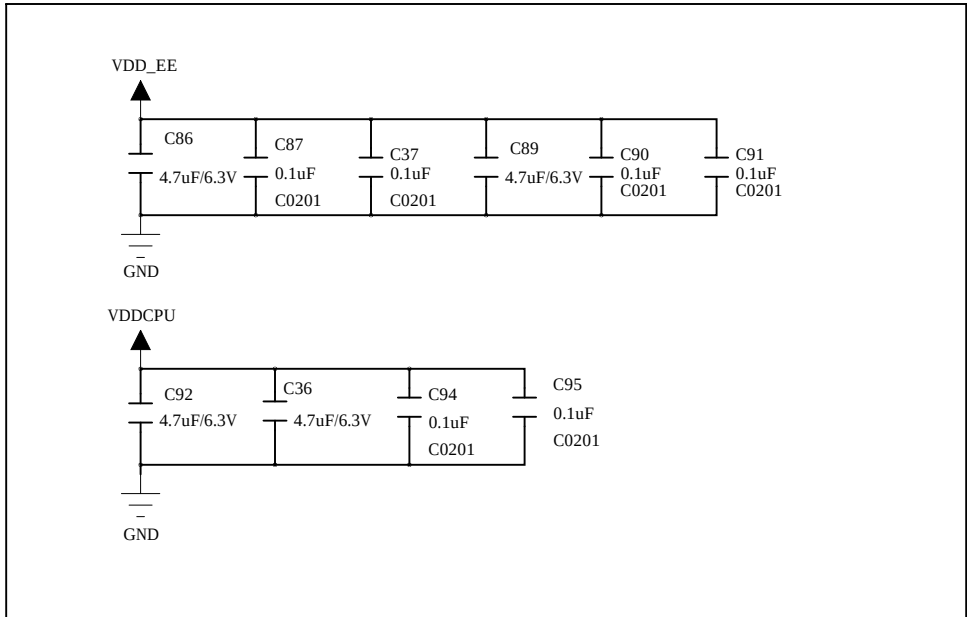
SHEET: 3 OF 9







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| COMPANY: |       | SDMC        |      |
| TITLE:   |       |             |      |
| P05_CPU  |       |             |      |
| CODE:    | SIZE: | DRAWING NO: | REV: |
|          | D     | DV6071Z-LD4 | V2   |
| SCALE:   |       | SHEET: 5    | OF 9 |

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| QUALITY CONTROL: | DATED: |
| RELEASED:        | DATED: |

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| CODE:  | SIZE: | DRAWING NO:   | REV: |
|        | D     | DV6071Z-LD4   | V2   |
| SCALE: |       | SHEET: 5 OF 9 |      |







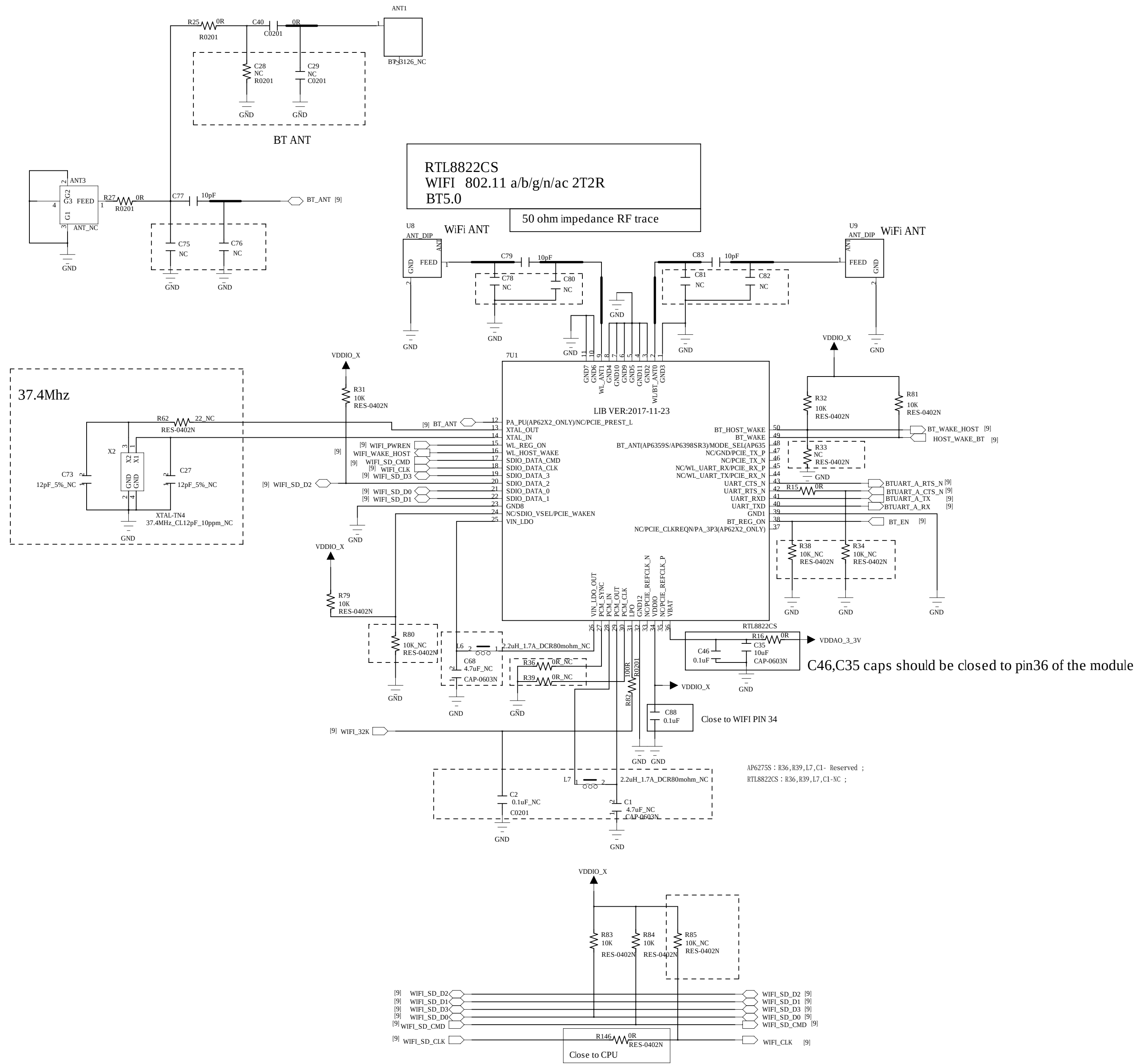
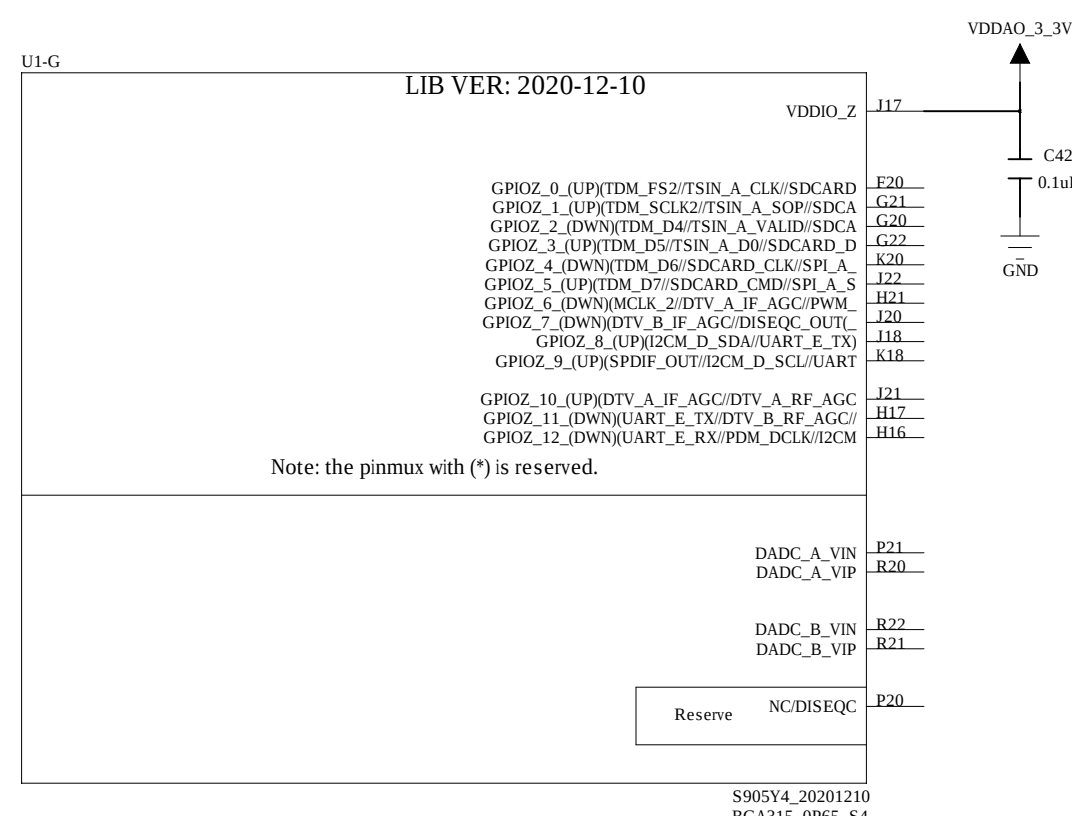
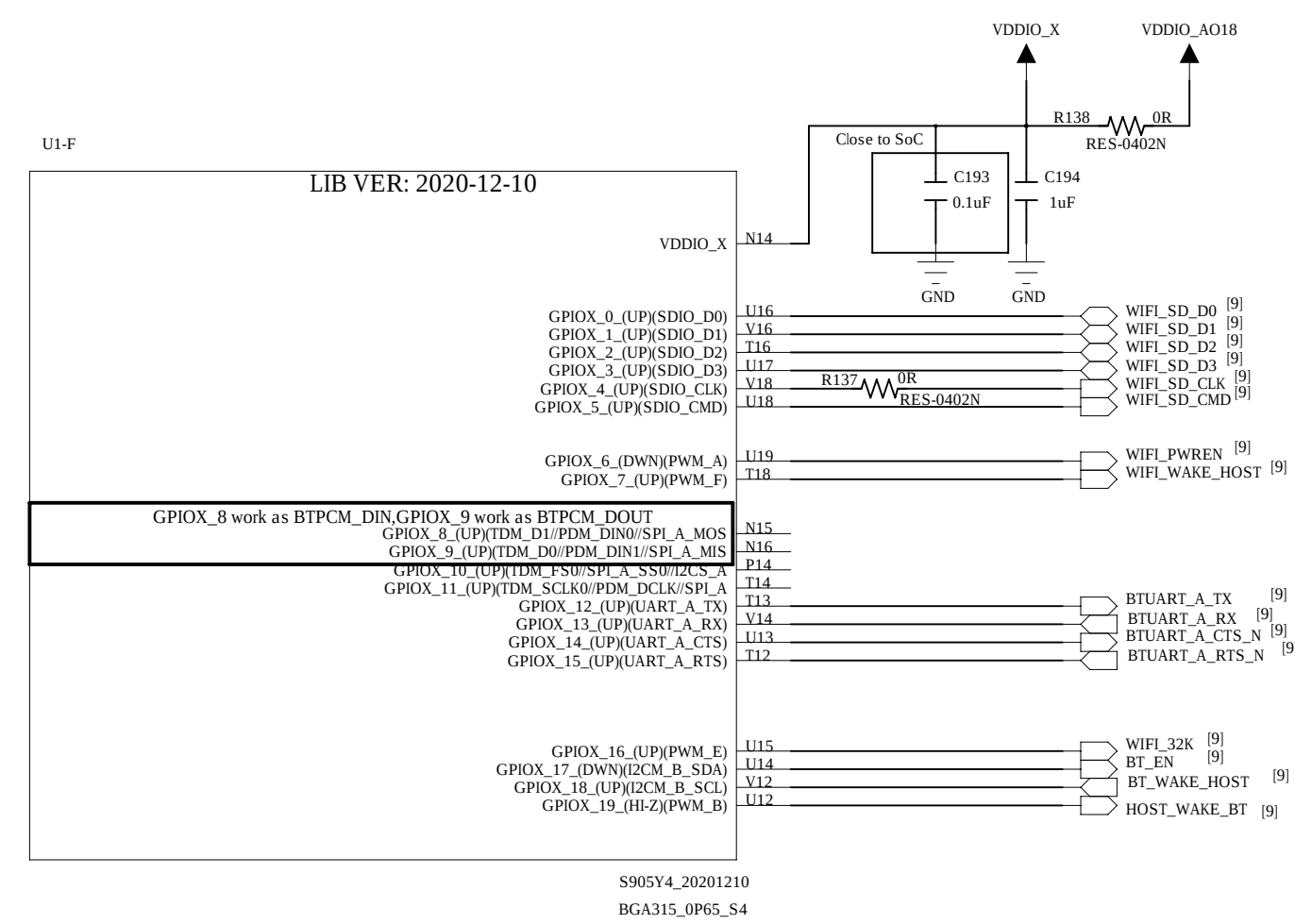








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|           |          |          |
|-----------|----------|----------|
|           | R79      | R31      |
| AP6356    | NC       | NC       |
| AP6398    | soldered | soldered |
| RTL8822CS | soldered | soldered |
| AP6275S   | NC       | NC       |

|                                                                                                  |  |                    |            |                            |            |
|--------------------------------------------------------------------------------------------------|--|--------------------|------------|----------------------------|------------|
| <div>DRAWN:<br/>SIMON</div> <div>CHECKED:</div> <div>QUALITY CONTROL:</div> <div>RELEASED:</div> |  | COMPANY:<br>SDMC   |            |                            |            |
|                                                                                                  |  | TITLE:<br>P09_WIFI |            |                            |            |
|                                                                                                  |  | CODE:              | SIZE:<br>D | DRAWING NO:<br>DV6071Z-LD4 | REV:<br>V2 |
|                                                                                                  |  | SCALE:             |            | SHEET: 9                   | OF 9       |
| DATED:<br>2021/09/07                                                                             |  |                    |            |                            |            |