

Nozomi-4 UMA SOVP LOGIC SCHEMATICS

- 1.TITLE PAGE

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4.CPU(2/8) : CLK/MISC/JTAG

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6.CPU(4/8) : DDR3 CHANNEL- B

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8.CPU(6/8) : GRAPHICS POWER

9.CPU(7/8) : GND

10.CPU(8/8) : CFG/RESERVED

11.XDP CONNECTOR

12.DDR3 SO DIMM CHANNEL-A

13.DDR3 SO DIMM CHANNEL-B

14.DDR3 DECOUPLING

15.BLANK

16.BLANK

17.BLANK

18.BLANK

19.BLANK

20.BLANK

21.BLANK

22.BLANK

23.BLANK

24.PCH(1/9) : HDA/JTAG/SPI/SATA

25.PCH(2/9) : PCI-E/SMBUS/CLK

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30.PCH(7/9) : POWER

31.PCH(8/9) : POWER

32.PCH(9/9) : GND

33.BLANK

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35.RGB SWITCH

36.EXT CRT INTERFACE
- 37.DISPLAY PORT CONNECTOR

38.DISPLAY PORT MUX

39.RTC BATTERY

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41.SATA BAY I/F CONN

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44.AUDIO CONNECTOR

45.AUDIO JACK SENSE

46.AUDIO EXT MIC I/F

47.AUDIO SPEAKER

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51.GBE MAGNETICS

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61.MEC1619(2/3)

62.MEC1619(3/3)

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65.WIRELESS DISABLE SW

66.FAN CONNECTOR

67.G-SENSOR

68.TPM

69.EEPROM/SMBUS SW

NZM4I-7

VER 7.53

MAR/19/2012

- 70.THINK ENGINE(1/2)

71.THINK ENGINE(2/2)

72.DC-IN

73.BATTERY INPUT

74.BATTERY CHARGER(BQ24760)

75.CHARGER SELECTOR

76.BATTERY MONITOR

77.POWER SEQUENCE

78.DC/DC VCC5M/VCC3M (TPS51220A)

79.DC/DC VCCCPUCORE(VT1318M/VT1324S)

80.DC/DC VCCGFXCORE_I(VT1324S)

81.VCCCPUCORE DECOUPLING

82.BLANK

83.DC/DC VCC1R05B_VTT(VT356)

84.DC/DC VCC1R05AMT(VT356)

85.DC/DC VCC1R5A(VT357)

86.DC/DC VCC0R75B(MAX1510)

87.BLANK

88.BLANK

89.DC/DC VCC1R8B(BD9139)

90.DC/DC VCCSA(VT370)

91.LOAD SW LAN

92.BLANK

93.BLANK

94.LOAD SW B

95.LOAD SW VCC5MUBAY

96.LOAD SW WAN & WLAN

97.PTH FOR SCREW HOLES

BASE LOGIC :Nozomi-4 UMA SVT

VER 7.02

Jan/17/2012

EC HISTORY

Nozomi-4 UMA MFVT (BASE LOGIC :Nozomi-4 SWG MFVT VER 2.06 May/31/2011)
VER.2.00 06/01/2011 APPLIED UMA MFVT_EC001-006
VER.2.01 06/02/2011 APPLIED UMA MFVT_EC007-011
VER.2.02 06/03/2011 APPLIED UMA MFVT_EC012
VER.2.03 06/06/2011 APPLIED UMA MFVT_EC013-015
VER.2.04 06/07/2011 APPLIED UMA MFVT_EC016,019,020
VER.2.05 06/08/2011 APPLIED UMA MFVT_EC027
VER.2.06 06/09/2011 APPLIED UMA MFVT_EC030,032,033,036,037
VER.2.07 06/14/2011 APPLIED UMA MFVT_EC039
VER.2.08 06/21/2011 APPLIED UMA MFVT_EC042

Nozomi-4 UMA FVT (BASE LOGIC :Nozomi-4 UMA MFVT VER 2.08 Jun/21/2011)
VER.3.00 06/23/2011 APPLIED UMA FVT_EC001-003
VER.3.01 07/01/2011 APPLIED UMA FVT_EC007
VER.3.02 07/04/2011 APPLIED UMA FVT_EC004,008-010
VER.3.03 07/05/2011 APPLIED UMA FVT_EC011-014
VER.3.04 07/06/2011 APPLIED UMA FVT_EC015-021
VER.3.05 07/08/2011 APPLIED UMA FVT_EC024-029
VER.3.06 07/11/2011 APPLIED UMA FVT_EC030
VER.3.07 07/12/2011 APPLIED UMA FVT_EC034,036
VER.3.08 07/13/2011 APPLIED UMA FVT_EC037,038
VER.3.09 07/14/2011 APPLIED UMA FVT_EC040-043,046,047,049,050,053
VER.3.10 07/15/2011 APPLIED UMA FVT_EC054
VER.3.11 07/19/2011 APPLIED UMA FVT_EC042,055-058
VER.3.12 07/21/2011 APPLIED UMA FVT_EC059-062
VER.3.13 07/22/2011 APPLIED UMA FVT_EC063
VER.3.14 07/26/2011 APPLIED UMA FVT_EC064,065

Nozomi-4 UMA SIT (BASE LOGIC :Nozomi-4 UMA FVT VER 3.14 Jul/26/2011)
VER.4.00 08/01/2011 APPLIED UMA SIT_EC001-007
VER.4.01 08/02/2011 APPLIED UMA SIT_EC008-010
VER.4.02 08/03/2011 APPLIED UMA SIT_EC011
VER.4.03 08/04/2011 APPLIED UMA SIT_EC012-014
VER.4.04 08/05/2011 APPLIED UMA SIT_EC015-017
VER.4.05 08/17/2011 APPLIED UMA SIT_EC018-025,027
VER.4.06 08/22/2011 APPLIED UMA SIT_EC028,031-033
VER.4.07 08/23/2011 APPLIED UMA SIT_EC035,037
VER.4.08 08/24/2011 APPLIED UMA SIT_EC038-042
VER.4.09 08/25/2011 APPLIED UMA SIT_EC030,044-046
VER.4.10 08/26/2011 APPLIED UMA SIT_EC047,048
VER.4.11 08/29/2011 APPLIED UMA SIT_EC049
VER.4.12 09/01/2011 APPLIED UMA SIT_EC051-053
VER.4.13 09/05/2011 APPLIED UMA SIT_EC054,055
VER.4.14 09/07/2011 APPLIED UMA SIT_EC056,061-070
VER.4.15 09/08/2011 APPLIED UMA SIT_EC071-079
VER.4.16 09/09/2011 APPLIED UMA SIT_EC082,084,085
VER.4.17 09/12/2011 APPLIED UMA SIT_EC088,089
VER.4.18 09/13/2011 APPLIED UMA SIT_EC090
VER.4.19 09/15/2011 APPLIED UMA SIT_EC092,093
VER.4.20 09/21/2011 APPLIED UMA SIT_EC094

Nozomi-4 UMA SIT-R1 (BASE LOGIC :Nozomi-4 UMA SIT VER 4.20 Sep/21/2011)
VER.5.00 09/27/2011 APPLIED UMA SITR_EC001-003
VER.5.01 10/11/2011 APPLIED UMA SITR_EC004,005
VER.5.02 10/28/2011 APPLIED UMA SITR_EC006
VER.5.03 10/31/2011 APPLIED UMA SITR_EC007-010
VER.5.04 11/01/2011 APPLIED UMA SITR_EC012
VER.5.05 11/02/2011 APPLIED UMA SITR_EC013
VER.5.06 11/04/2011 APPLIED UMA SITR_EC015,016,018
VER.5.07 11/07/2011 APPLIED UMA SITR_EC019
VER.5.08 11/09/2011 APPLIED UMA SITR_EC014
VER.5.09 11/10/2011 APPLIED UMA SITR_EC020
VER.5.10 11/15/2011 APPLIED UMA SITR_EC021

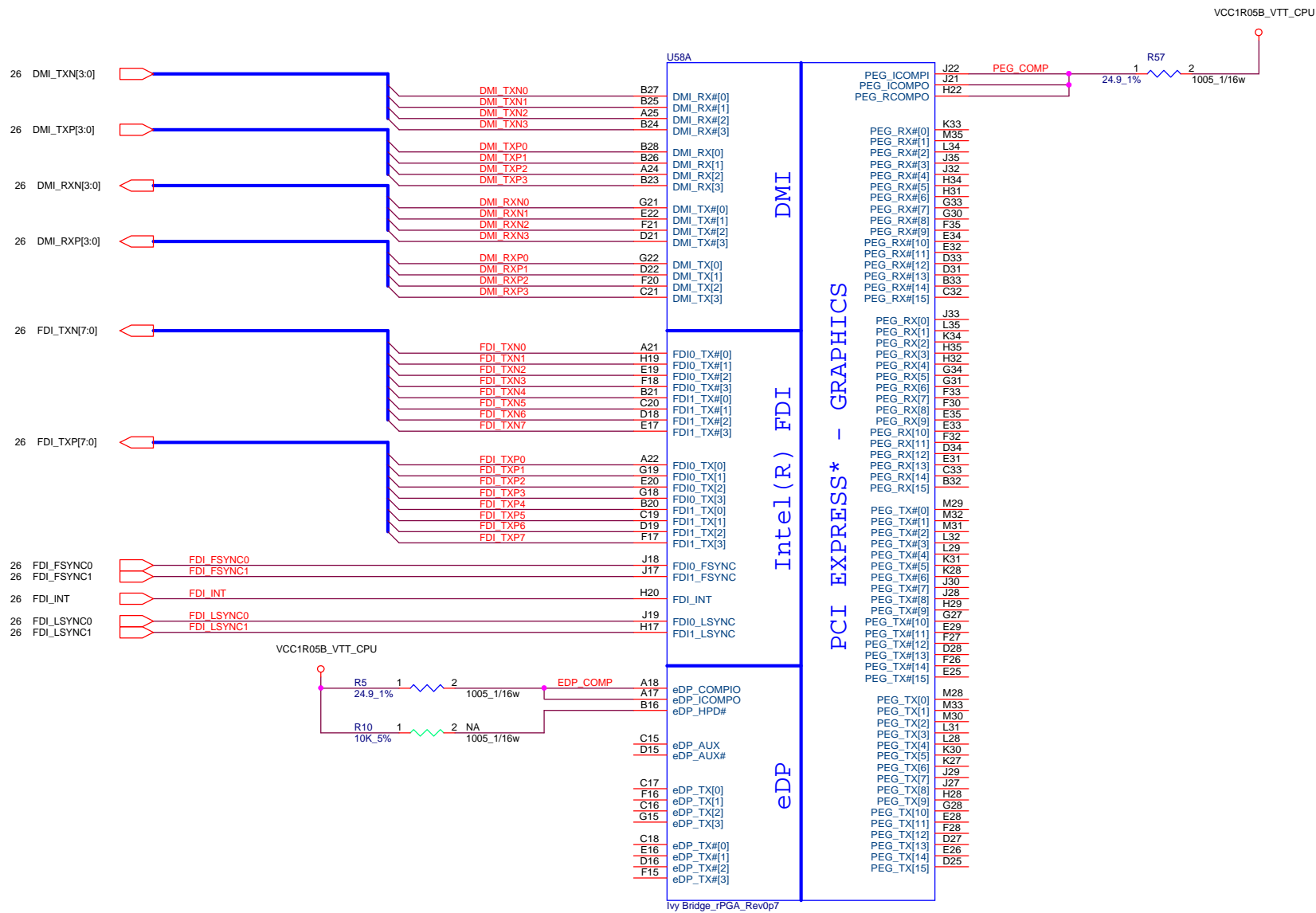
Nozomi-4 UMA SIT-R2 (BASE LOGIC :Nozomi-4 UMA SIT -R1 VER 5.10 Nov/15/2011)
VER.6.00 11/18/2011 APPLIED UMA SITR2_EC001-003
VER.6.01 11/22/2011 APPLIED UMA SITR2_EC006
VER.6.02 11/25/2011 APPLIED UMA SITR2_EC007
VER.6.03 11/28/2011 APPLIED UMA SITR2_EC008
VER.6.04 11/29/2011 APPLIED UMA SITR2_EC009,010
VER.6.05 11/30/2011 APPLIED UMA SITR2_EC011,012
VER.6.06 12/01/2011 APPLIED UMA SITR2_EC015
VER.6.07 12/05/2011 APPLIED UMA SITR2_EC017

Nozomi-4 UMA SVT (BASE LOGIC :Nozomi-4 UMA SIT-R2 VER 6.07 Dec/05/2011)
VER.7.00 12/13/2011 APPLIED UMA SVT_EC001-005
VER.7.01 12/15/2011 APPLIED UMA SVT_EC006-008
VER.7.02 01/17/2012 APPLIED UMA SVT_EC012

Nozomi-4 UMA SOVP (BASE LOGIC :Nozomi-4 UMA SVT VER 7.02 Jan/17/2011)
VER.7.50 02/24/2012 APPLIED UMA SOVP_EC001-003
VER.7.51 03/05/2012 APPLIED UMA SOVP_EC004
VER.7.52 03/08/2012 APPLIED UMA SOVP_EC005
VER.7.53 03/19/2012 APPLIED UMA SOVP_EC006

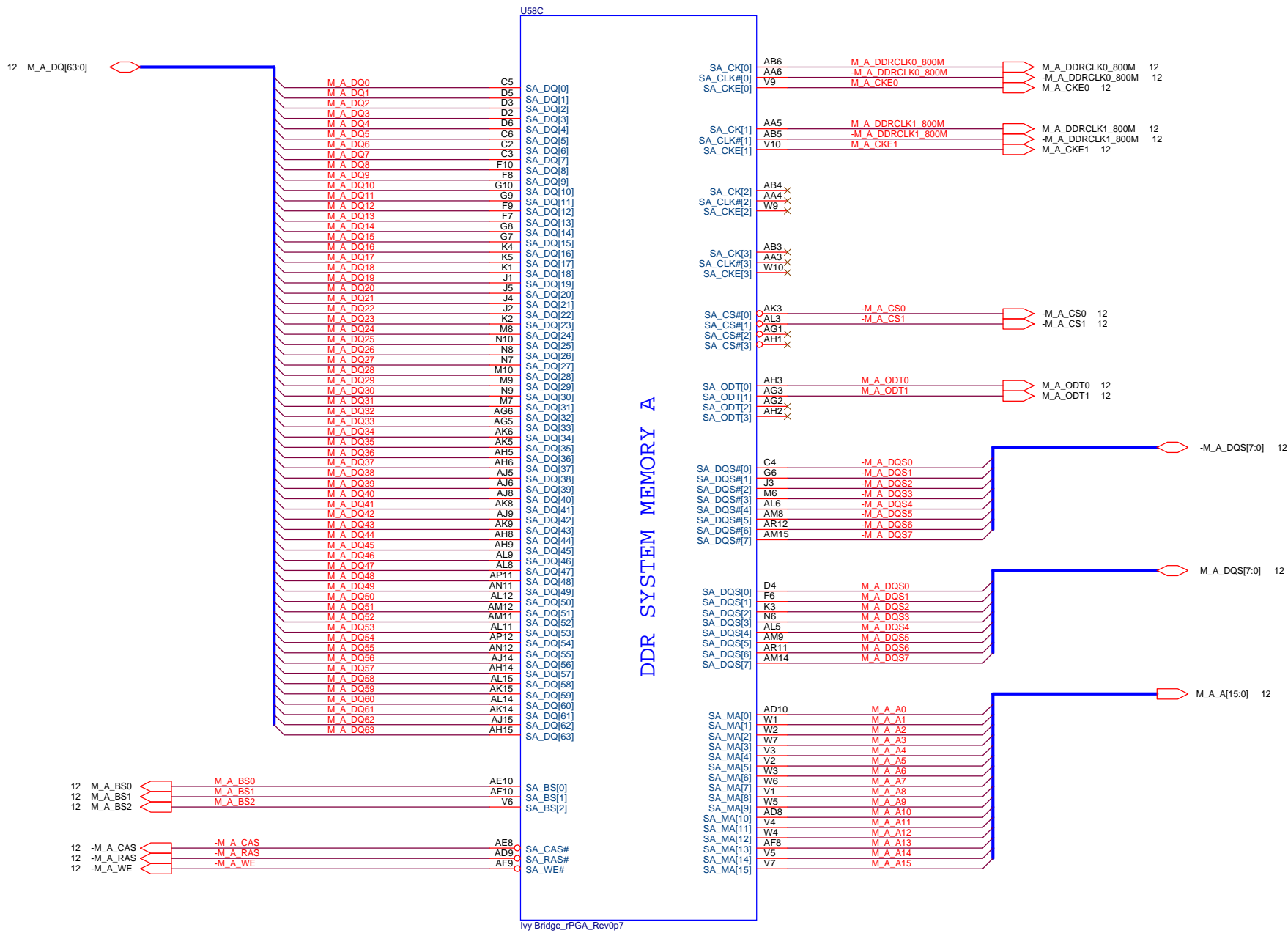


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| Project Name : NZM-4 UMA SOVP | | Title : EC HISTORY | |
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| | |
|---------------------|-------------|
| Sandy Bridge | High |
| Ivy Bridge | Low |

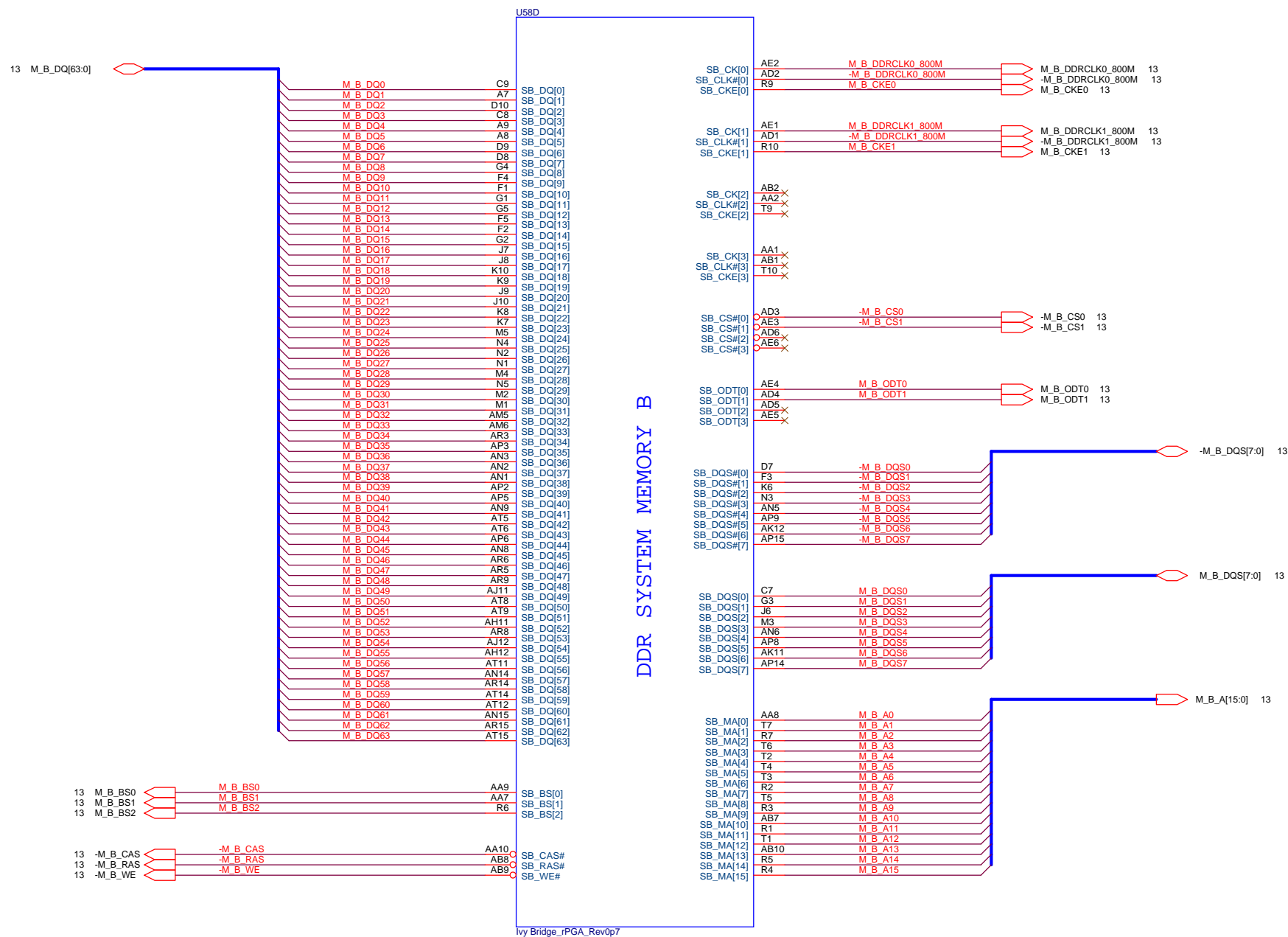


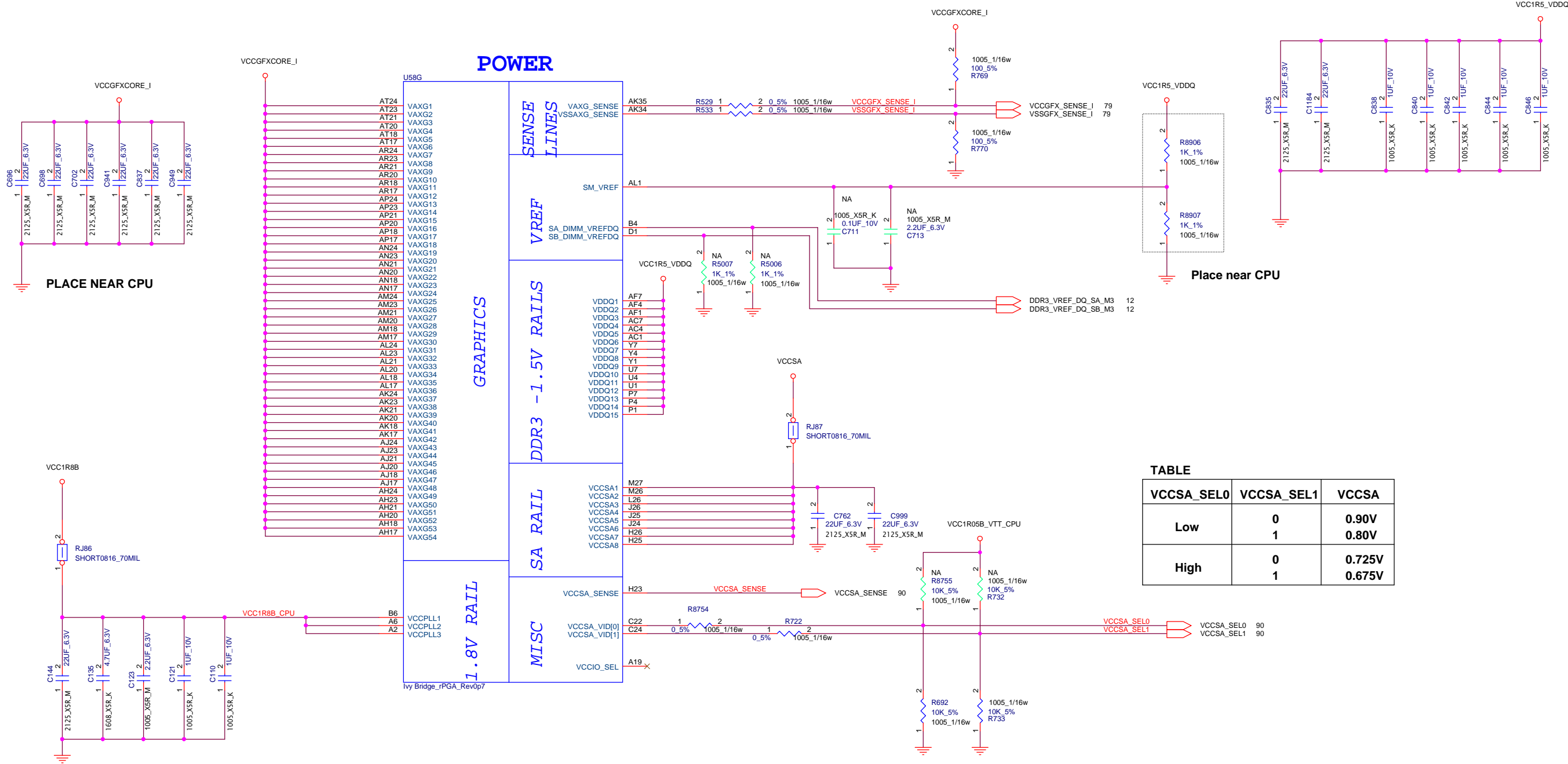


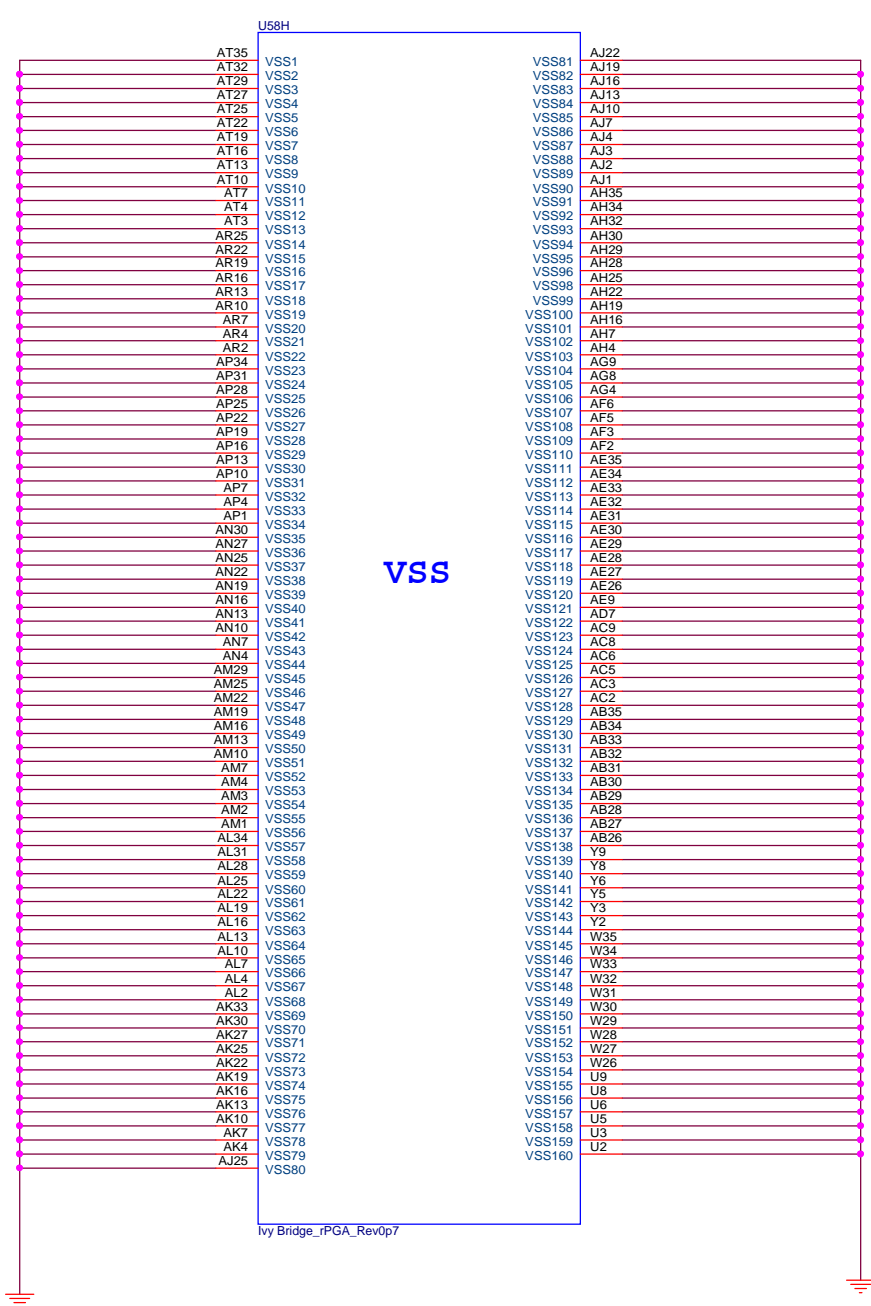
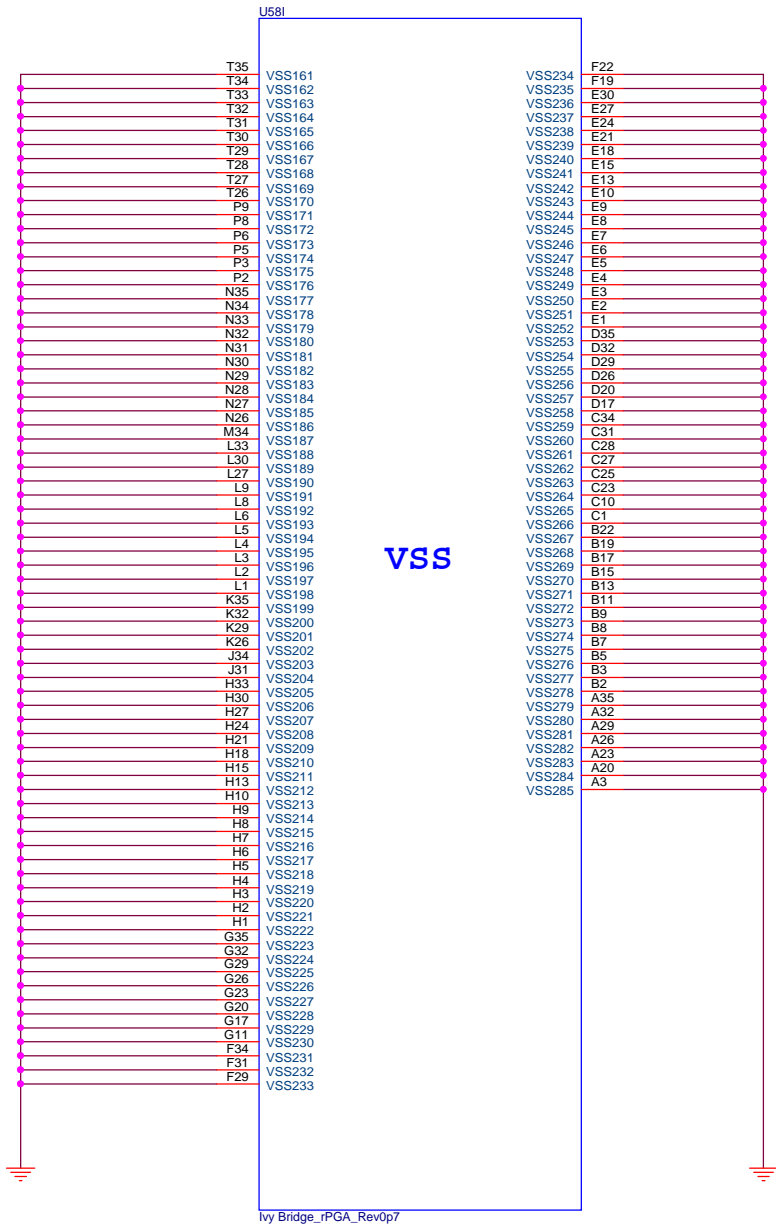
Project Name : NZM-4 UMA SOVP Title : CPU(3/8) DDR3 CH- A

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Project Name : NZM-4 UMA SOVP Title : CPU(7/8) GND

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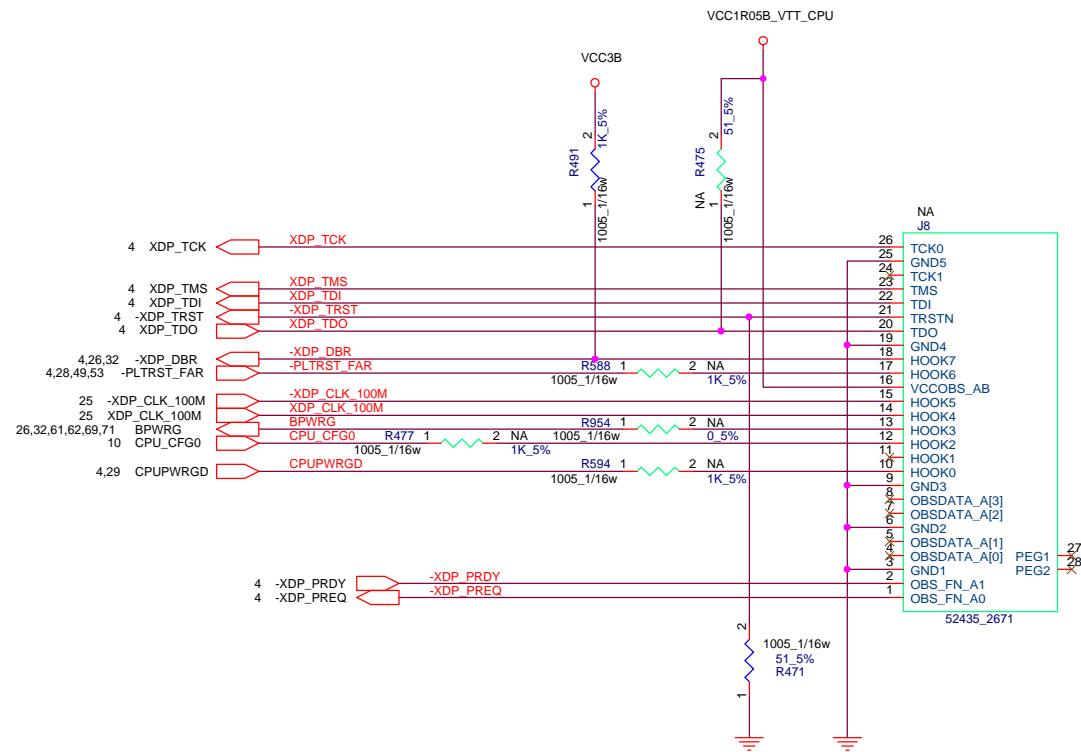


TABLE NOTE: J8 "ASM" FOR PDV/SDV ONLY.

| SIGNAL | REF DES | ENABLE | DISABLE |
|--------|---------|--------|---------|
| TDO | R475 | ASM | NO ASM |
| TRST# | R471 | ASM | ASM |
| DBRST# | R491 | ASM | ASM |
| RESET# | R588 | ASM | NO ASM |
| CFG0 | R477 | ASM | NO ASM |
| PWRGD | R594 | ASM | NO ASM |
| BPWRG | R954 | ASM | NO ASM |
| | J8 | ASM | NO ASM |

LOGIC

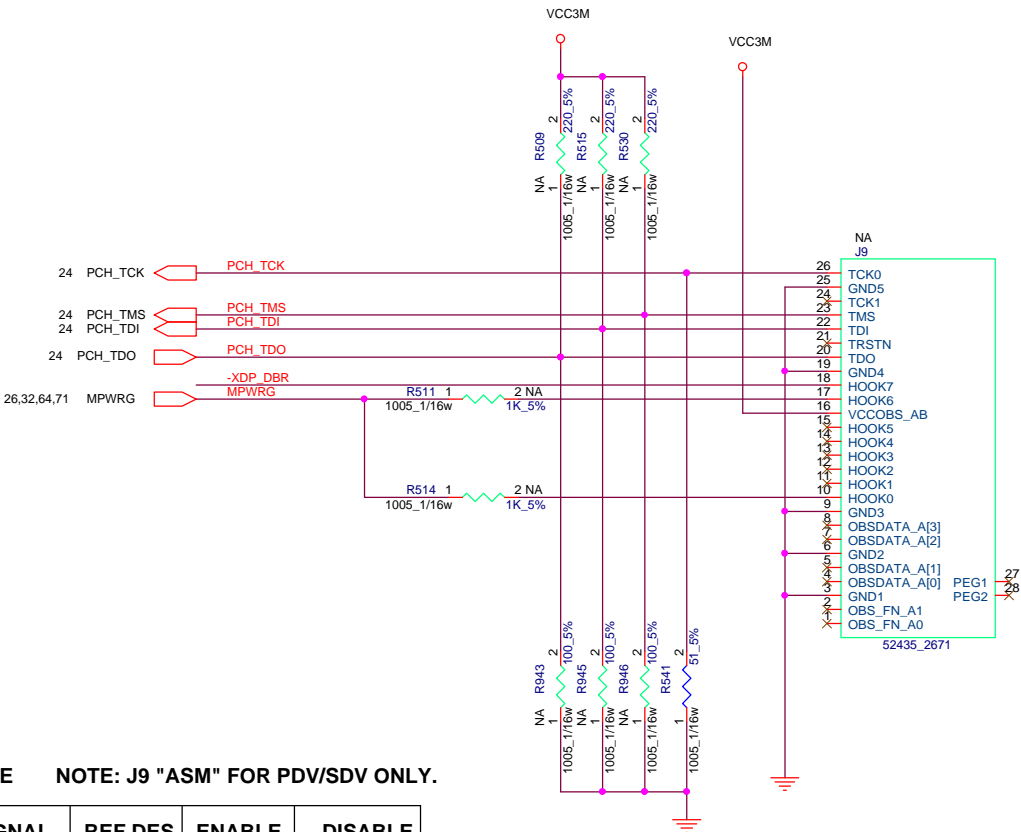
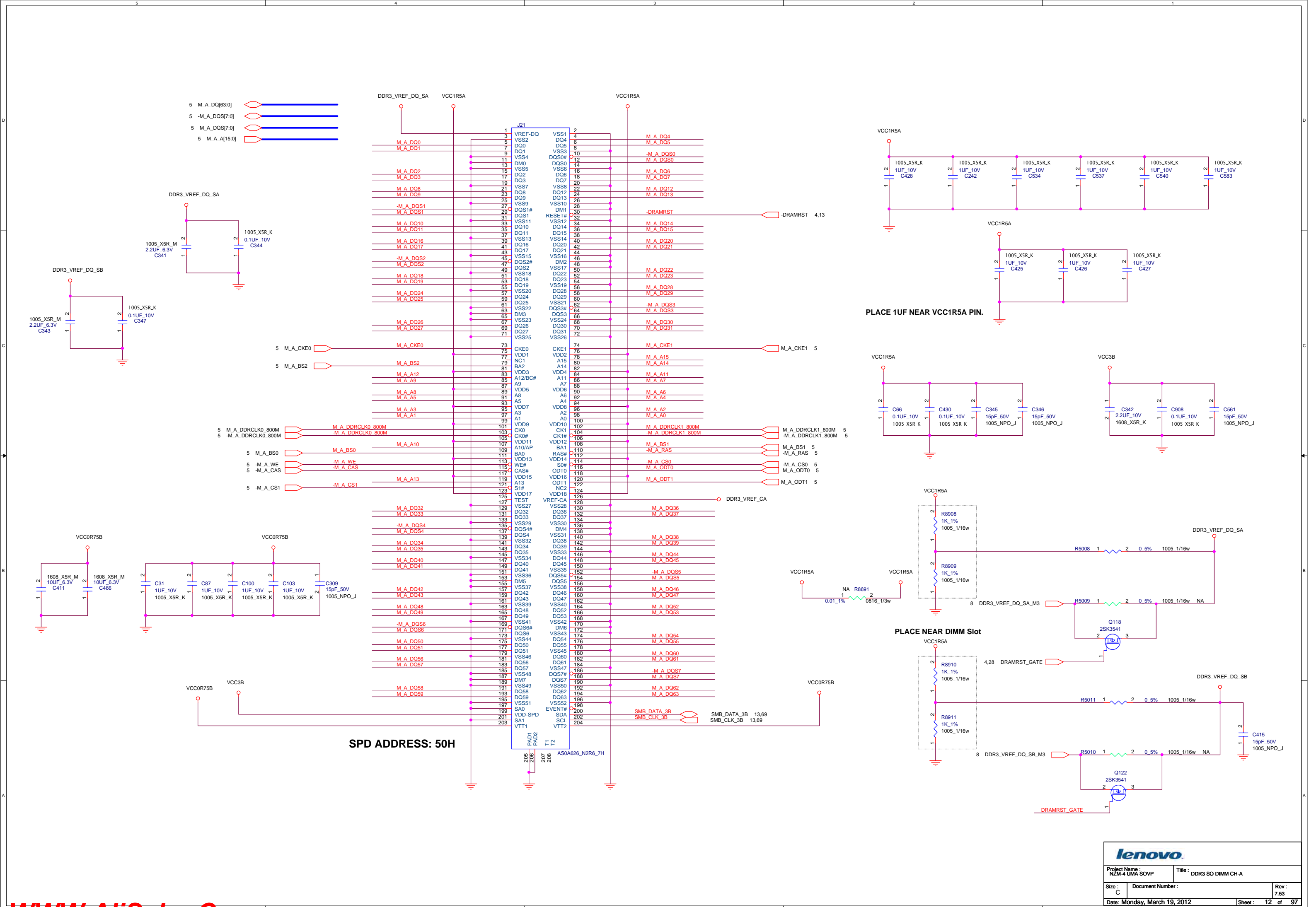
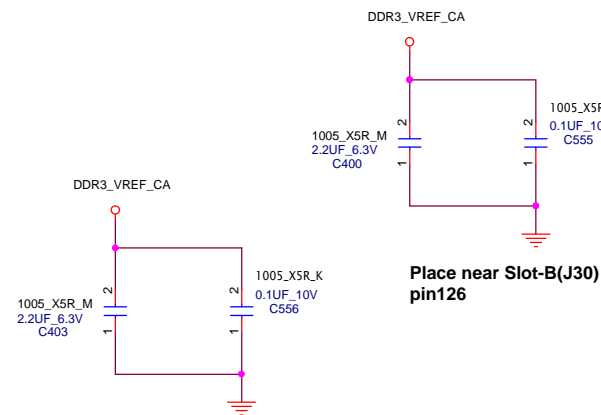
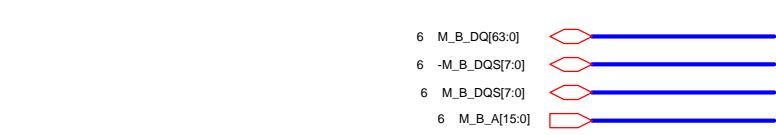


TABLE NOTE: J9 "ASM" FOR PDV/SDV ONLY.

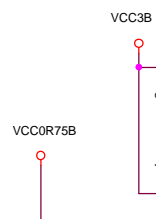
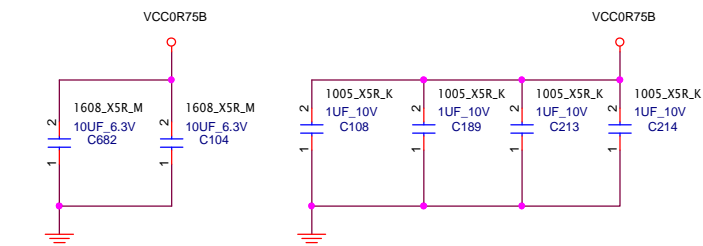
| SIGNAL | REF DES | ENABLE | DISABLE |
|--------|--------------|------------|------------------|
| TDO | R509 R943 | 220 100 | NO ASM NO ASM |
| TMS | R530 R946 | 220 100 | NO ASM NO ASM |
| TDI | R515 R945 | 220 100 | NO ASM NO ASM |
| TCK | R541 | 51 | 51 |
| MPWRG | R511 R514 | ASM ASM | NO ASM NO ASM |
| | J9 | ASM | NO ASM |

LOGIC

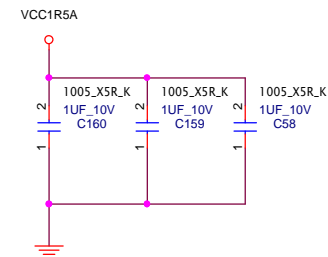
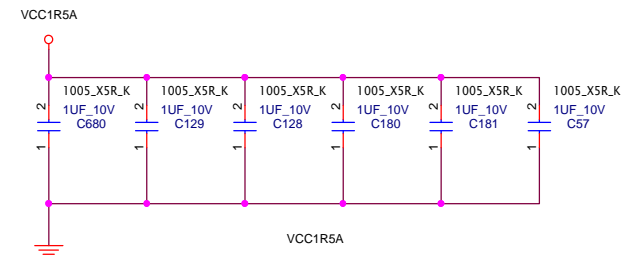
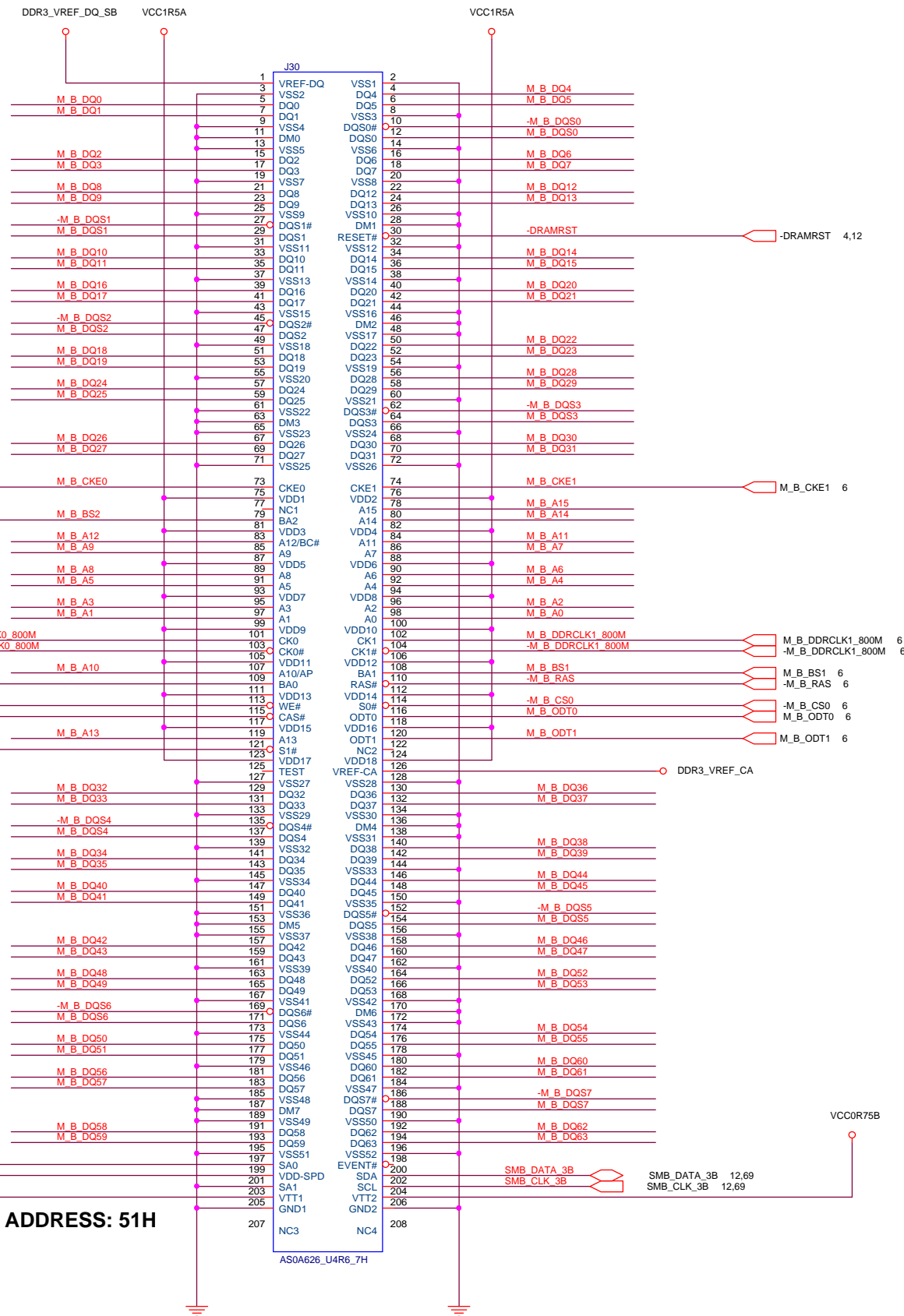




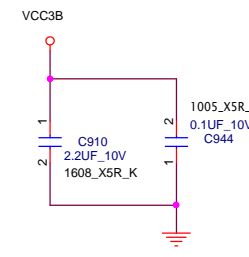
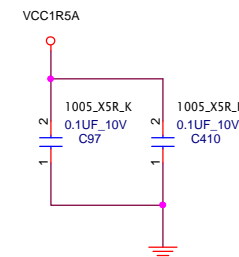
Place near Slot-A(J21) pin126

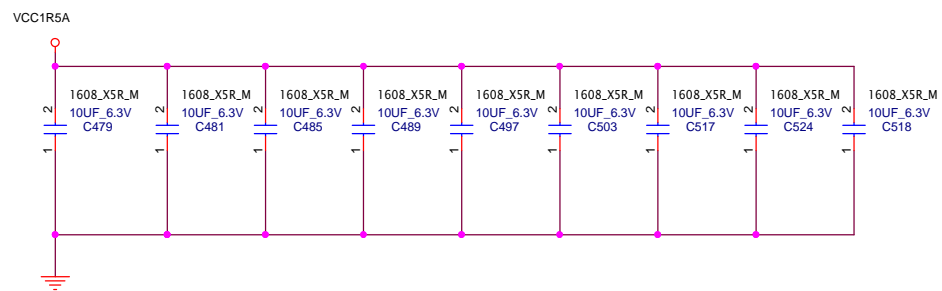
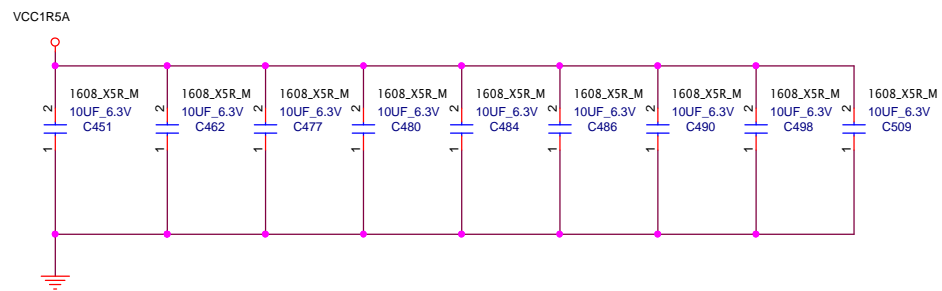
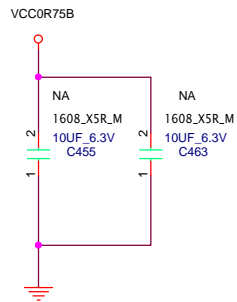


SPD ADDRESS: 51H



PLACE 1UF NEAR VCC1R5A PIN.





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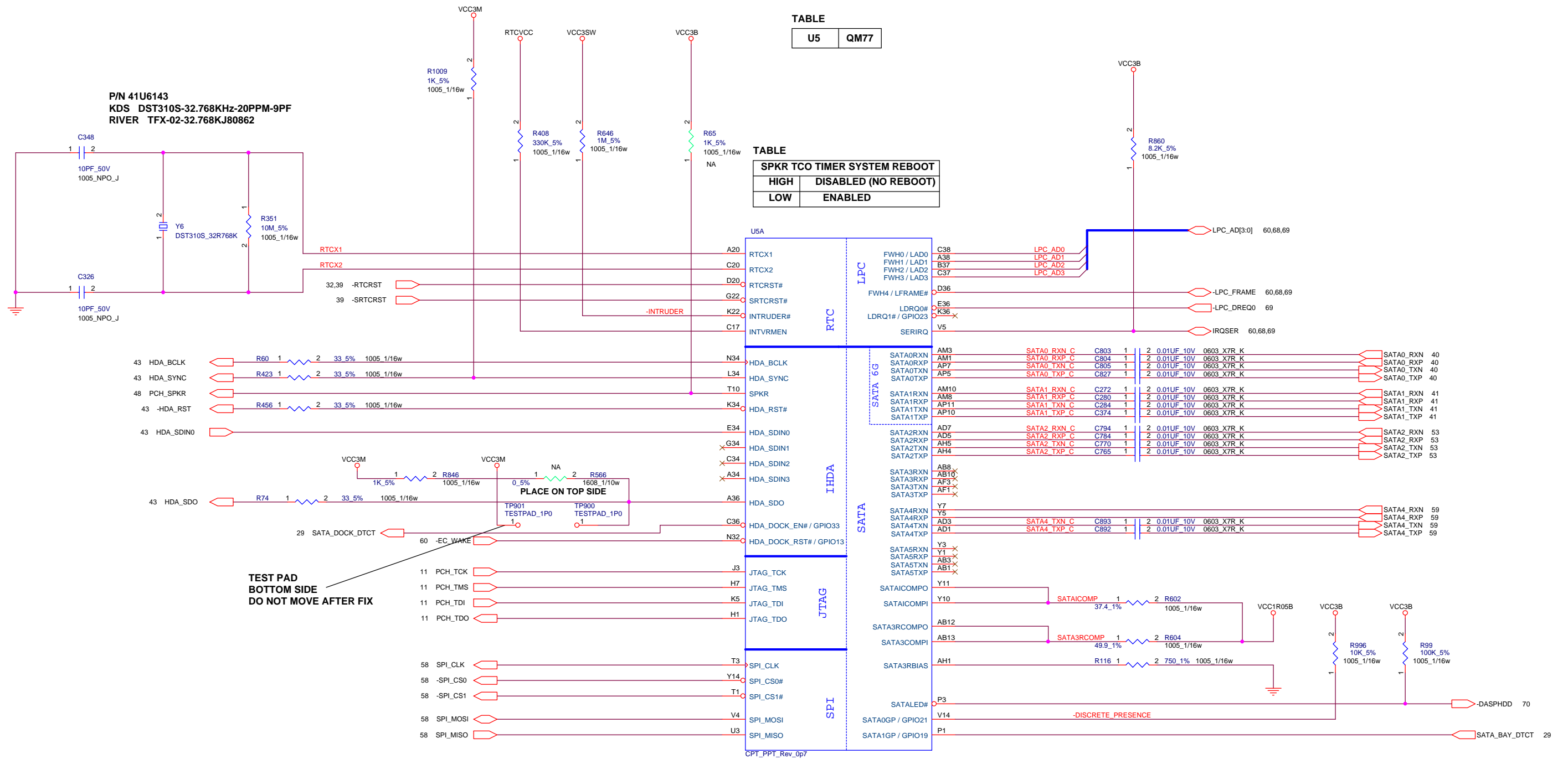


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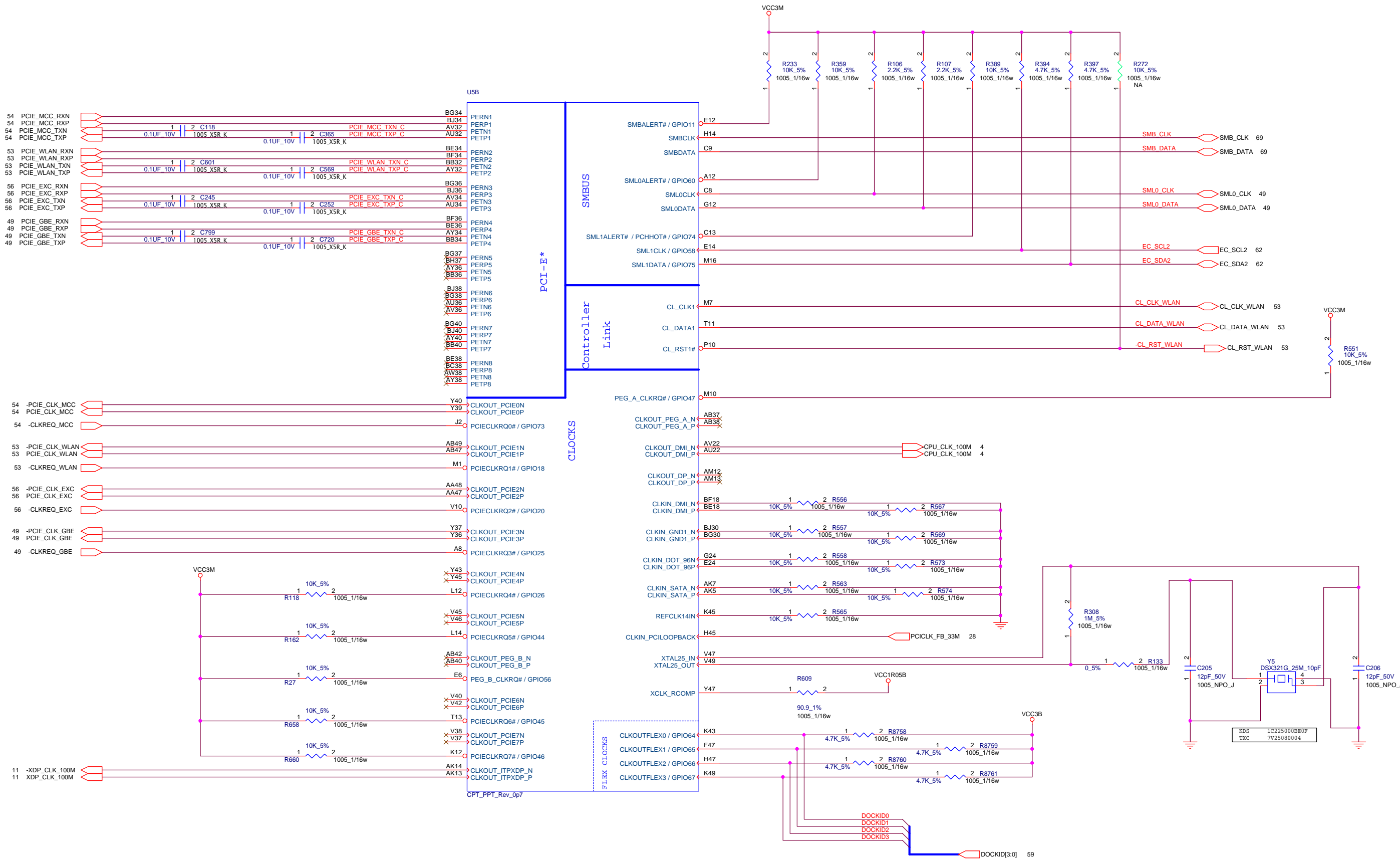
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Project Name : N2M-4 UMA SOVP Title : PCH(1/9):HDA/JTAG/SPI/SATA

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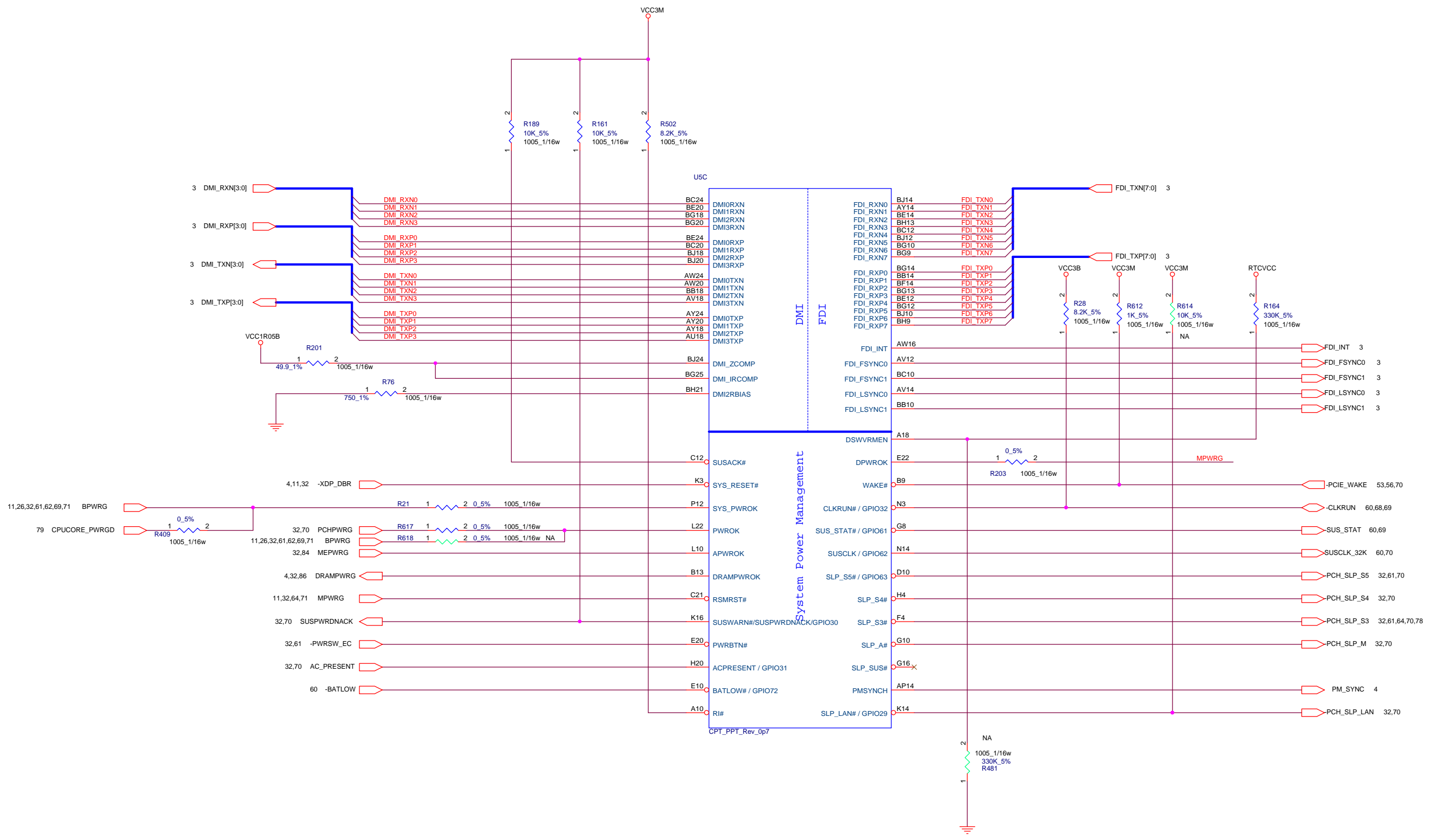
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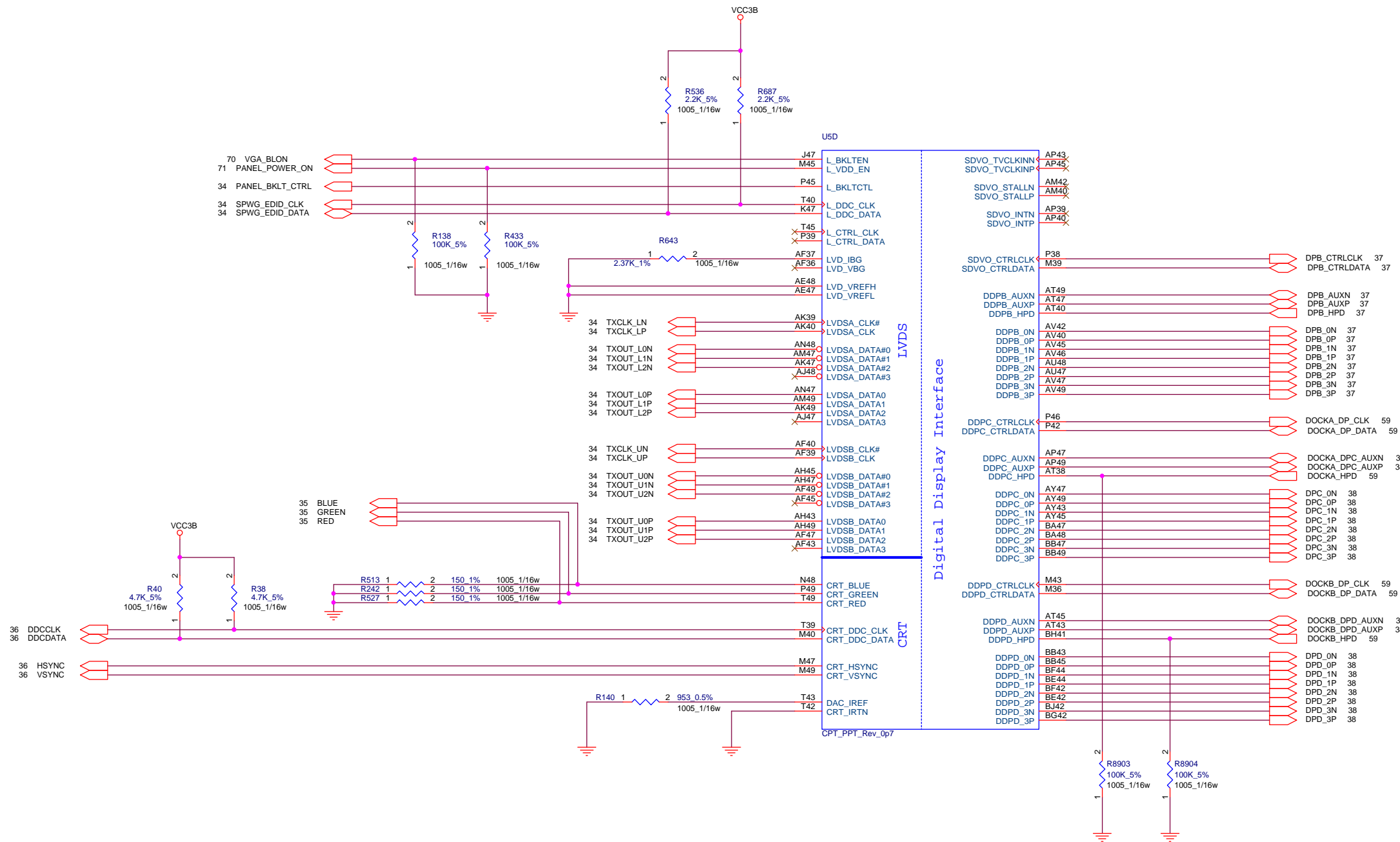


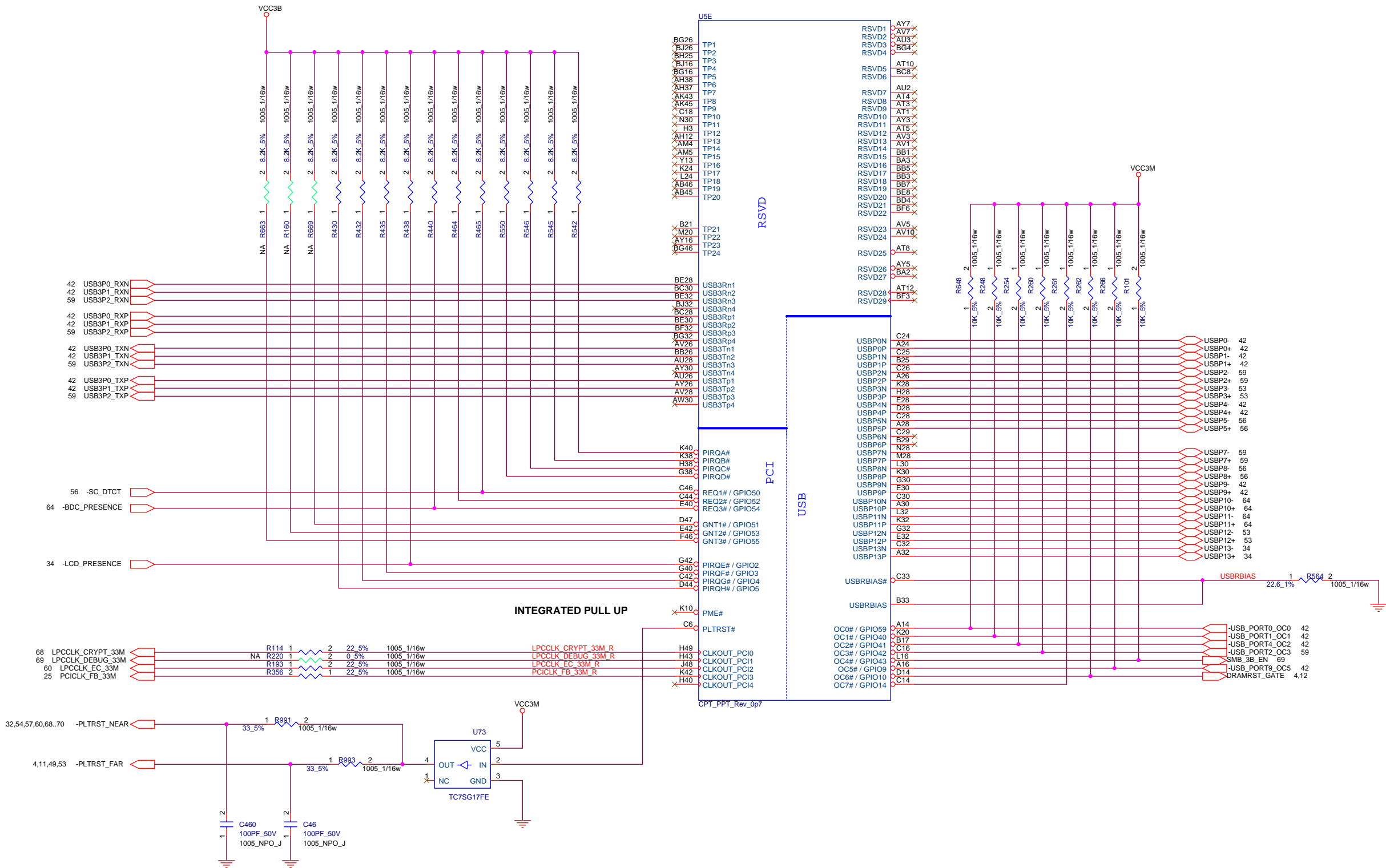
Project Name : NZM-4 UMA SOVP Title : PCH(2/9):PCI-E/SMBUS/CLK

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| USB PORT TO | |
|-------------|-----------------------------|
| 0 | USB 3.0 SYSTEM PORT 0 |
| 1 | USB 3.0 SYSTEM PORT 1 |
| 2 | USB 3.0 DOCKING |
| 3 | FULL MINICARD (WWAN) |
| 4 | USB 2.0 SYSTEM PORT (AOU) |
| 5 | EXPRESS CARD SLOT |
| 6 | RESERVED |
| 7 | USB 2.0 DOCKING |
| 8 | SMART CARD SLOT |
| 9 | USB 2.0 SYSTEM PORT (DEBUG) |
| 10 | FPR (TOUCH PAD) |
| 11 | BLUETOOTH (TOUCH PAD) |
| 12 | HALF MINICARD (WLAN) |
| 13 | USB CAMERA (LCD) |



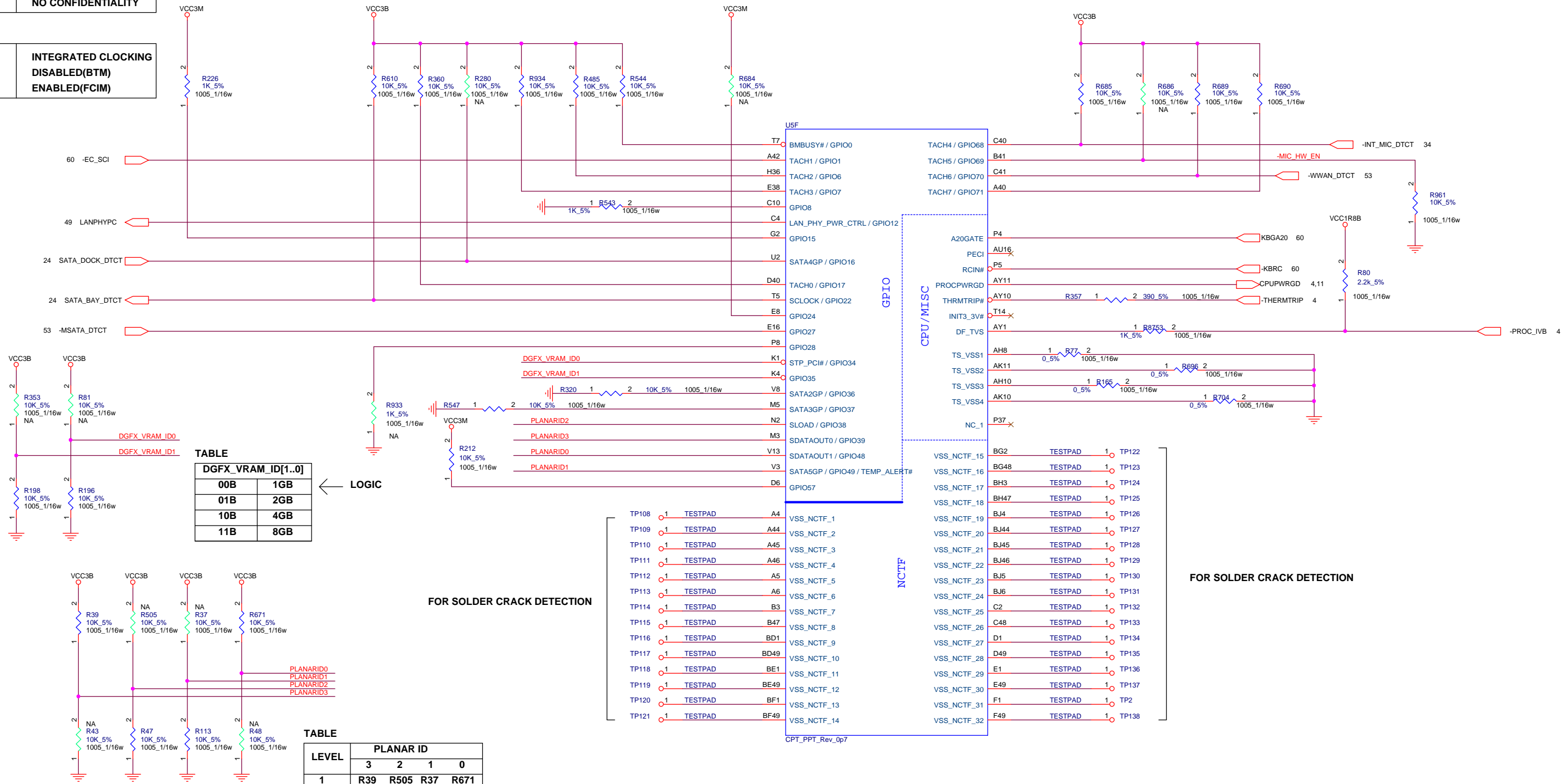
Project Name : NZM-4 UMA SOVP Title : PCH(5/9):PCI/USB/NVRAM

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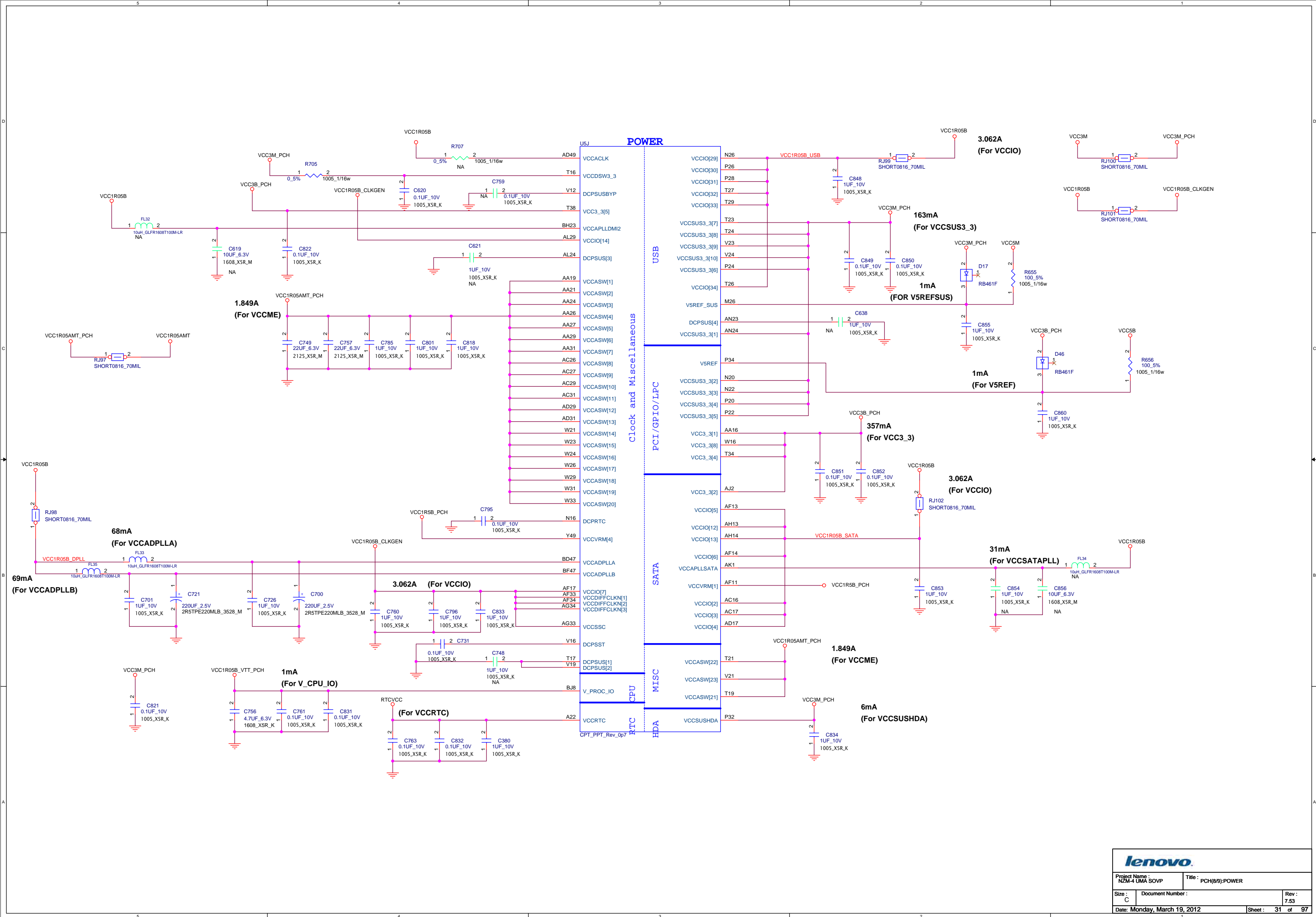
| | |
|--------|----------------------|
| GPIO15 | ME CRYPTO STRAP |
| HIGH | WITH CONFIDENTIALITY |
| LOW | NO CONFIDENTIALITY |

| | |
|----------------------|---|
| GPIO8 HIGH LOW | INTEGRATED CLOCKING DISABLED(BTM) ENABLED(FCIM) |
|----------------------|---|

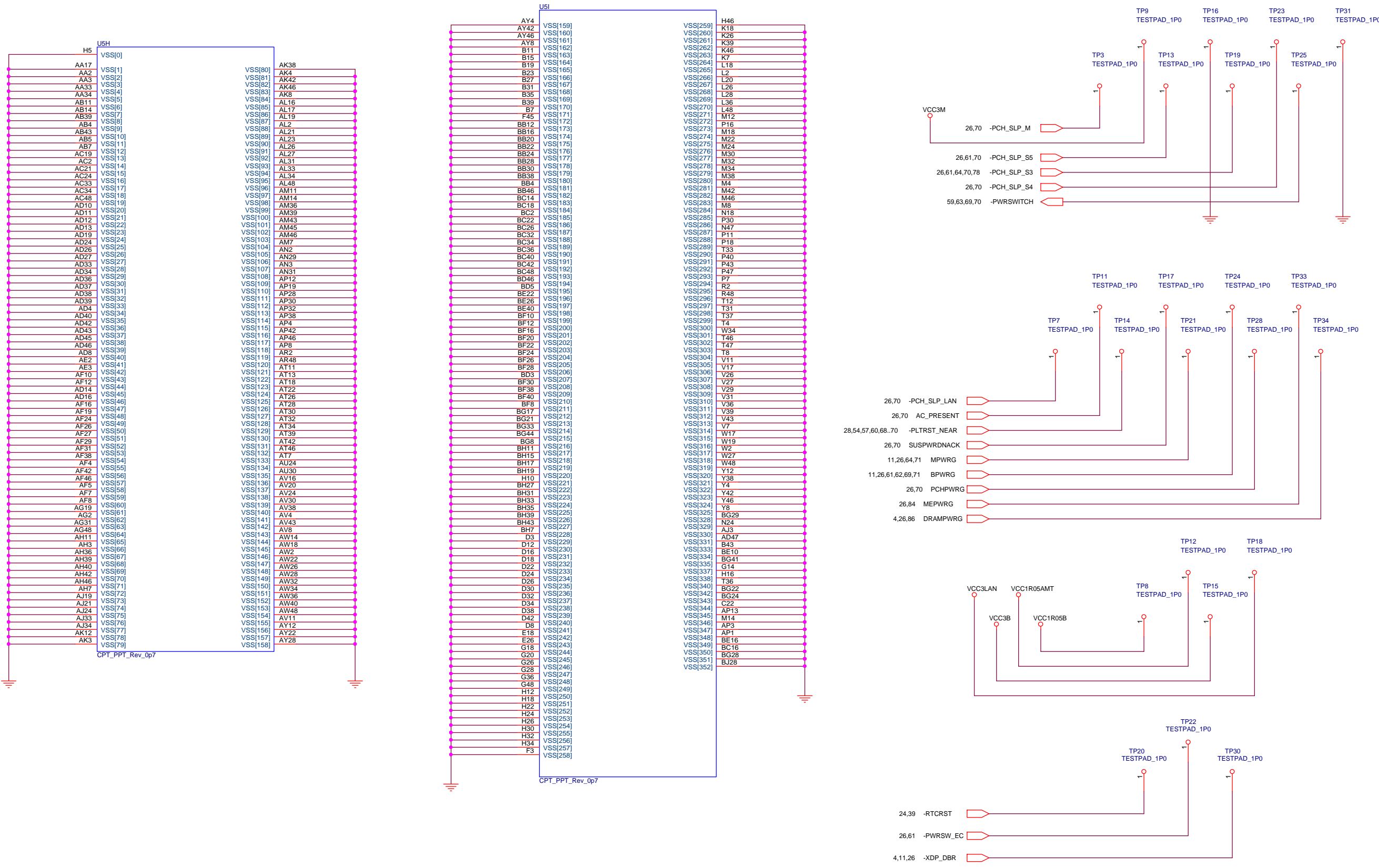


| LEVEL | PLANAR ID | | | |
|-------|-----------|------|------|------|
| | 3 | 2 | 1 | 0 |
| 1 | R39 | R505 | R37 | R671 |
| 0 | R43 | R47 | R113 | R48 |

| TABLE | |
|----------|----------------|
| LEVEL | PLANARID[3..0] |
| PDV | 0000B |
| SDV | 0001B |
| MFVT | 0010B |
| FVT | 0011B |
| SW SIT-1 | 0100B |
| SIT | 0101B |
| SIT-R1 | 0110B |
| SIT-R2 | 0111B |
| SVT | 1000B |
| SOVP | 1001B |

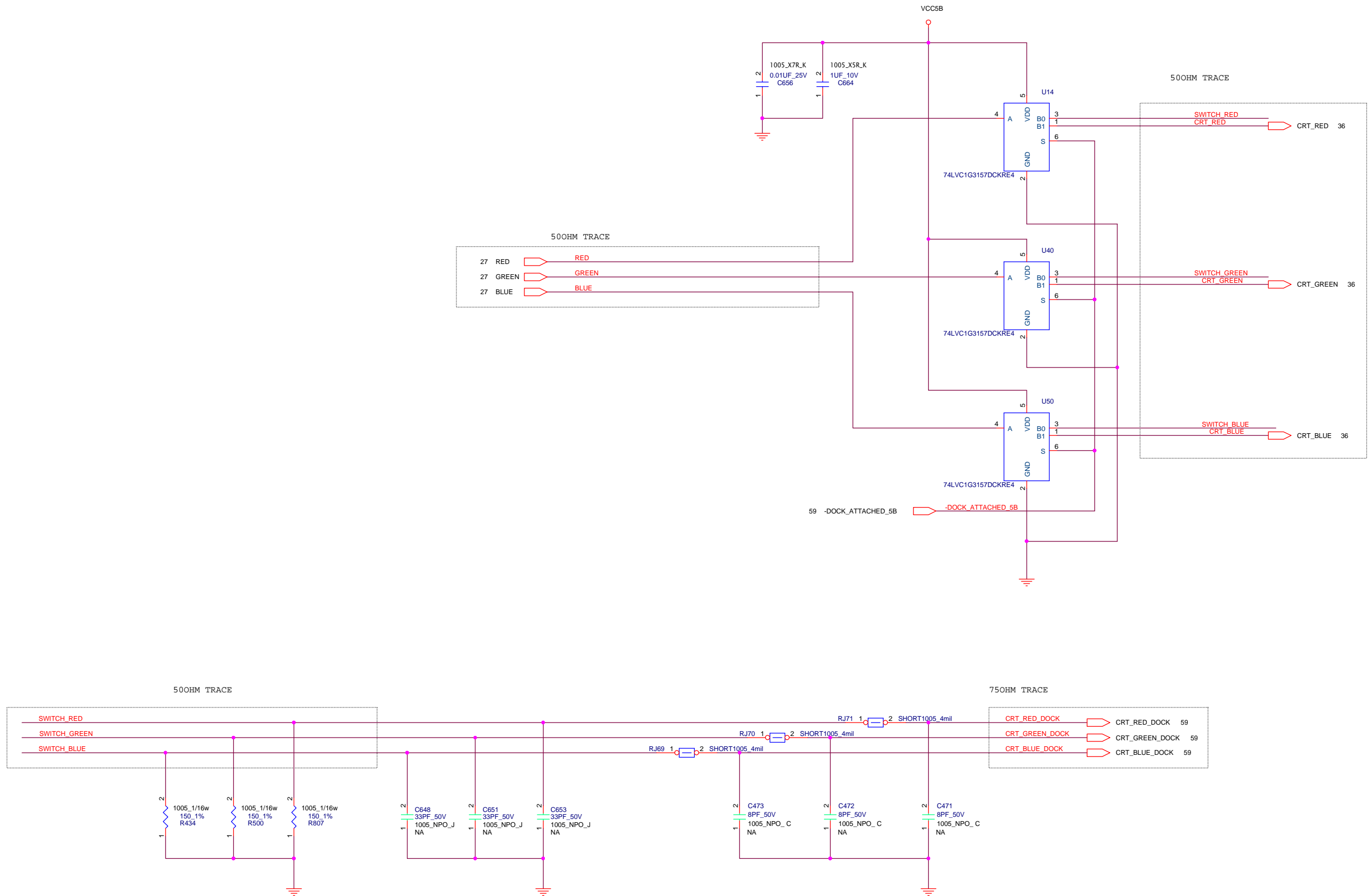


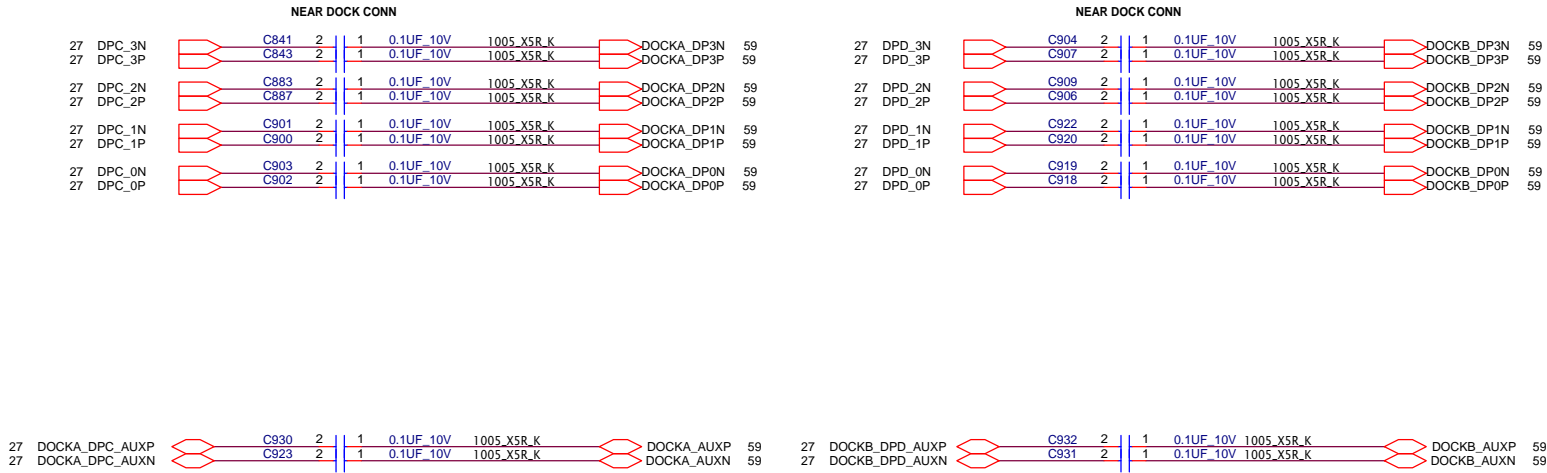
TEST PAD FOR METS/APS



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| Project Name : NZM-4 UMA SOVP | | Title : PCH(9/9):GND | |
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Project Name :
NZM-4 UMA SOVP

Title :
DISPLAY PORT MUX

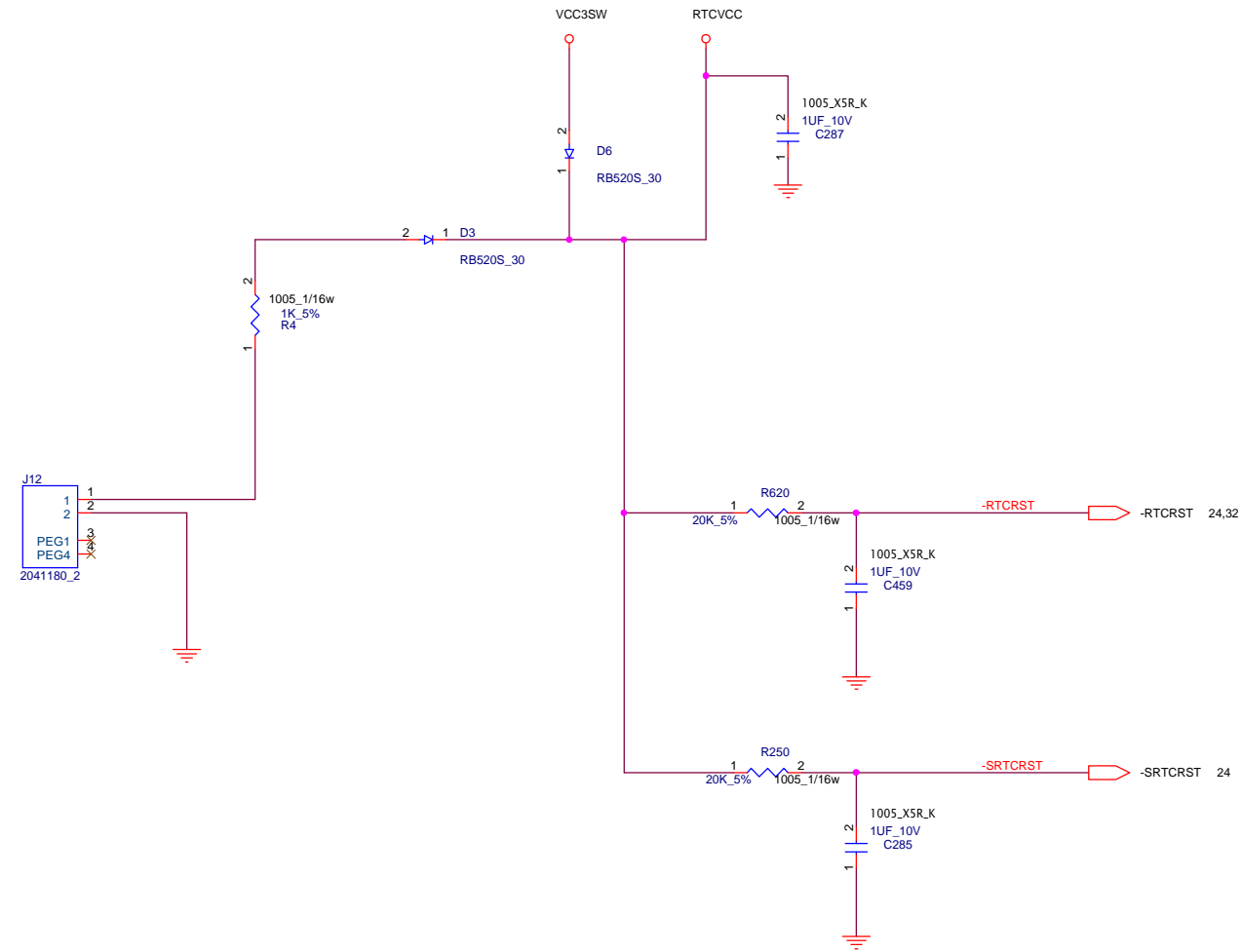
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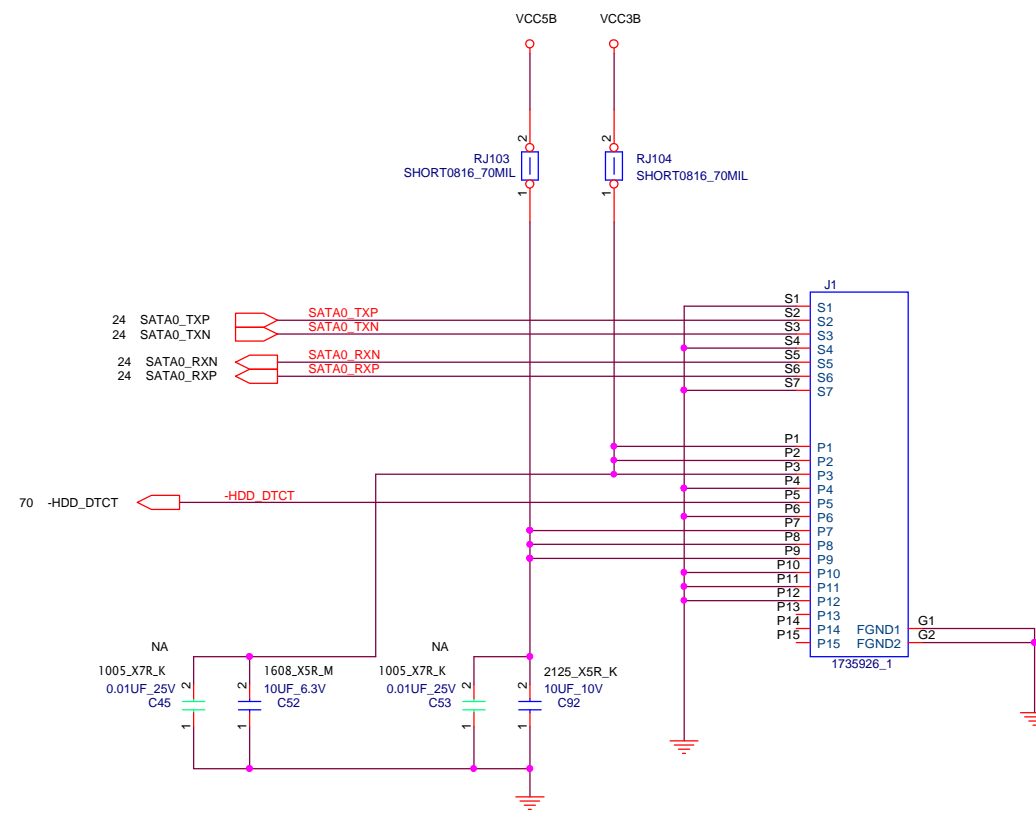
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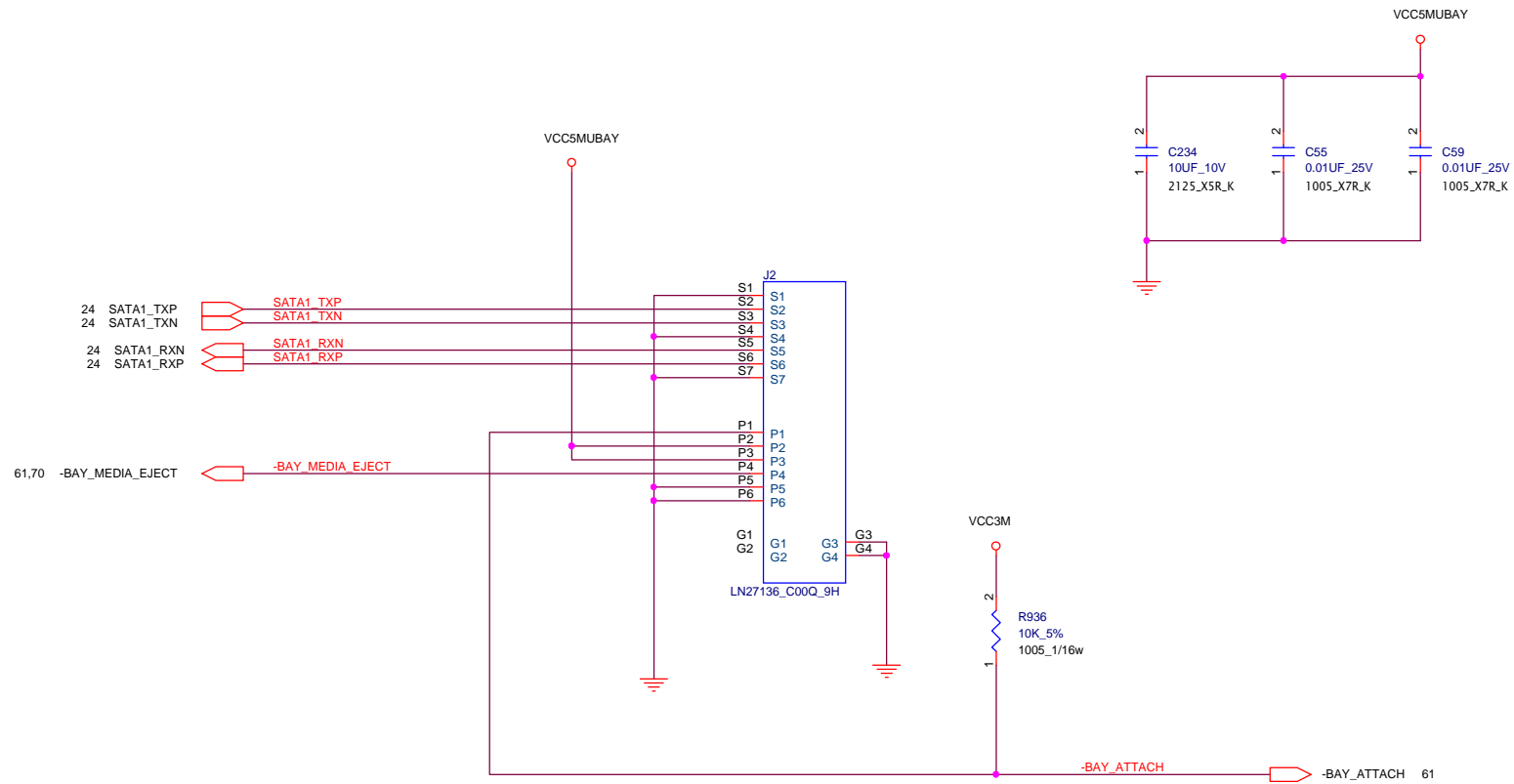
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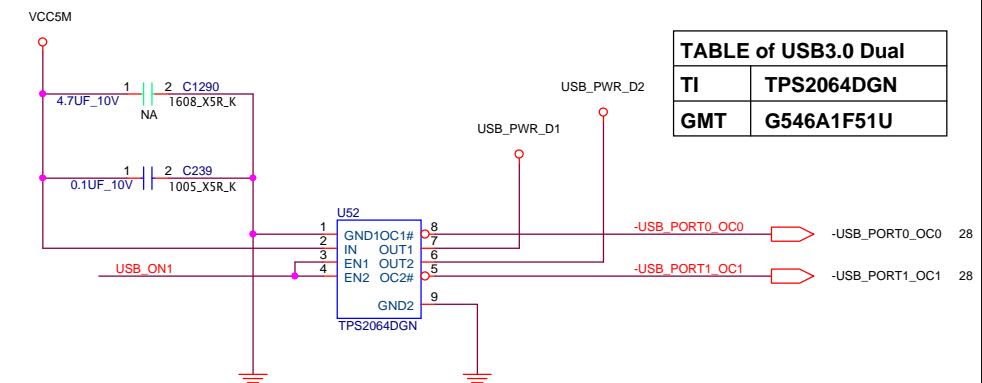
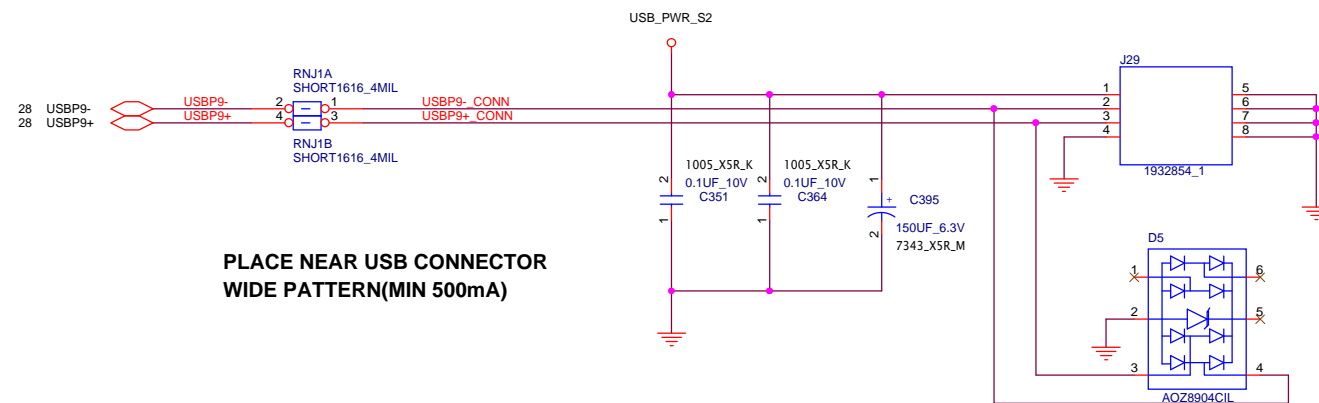
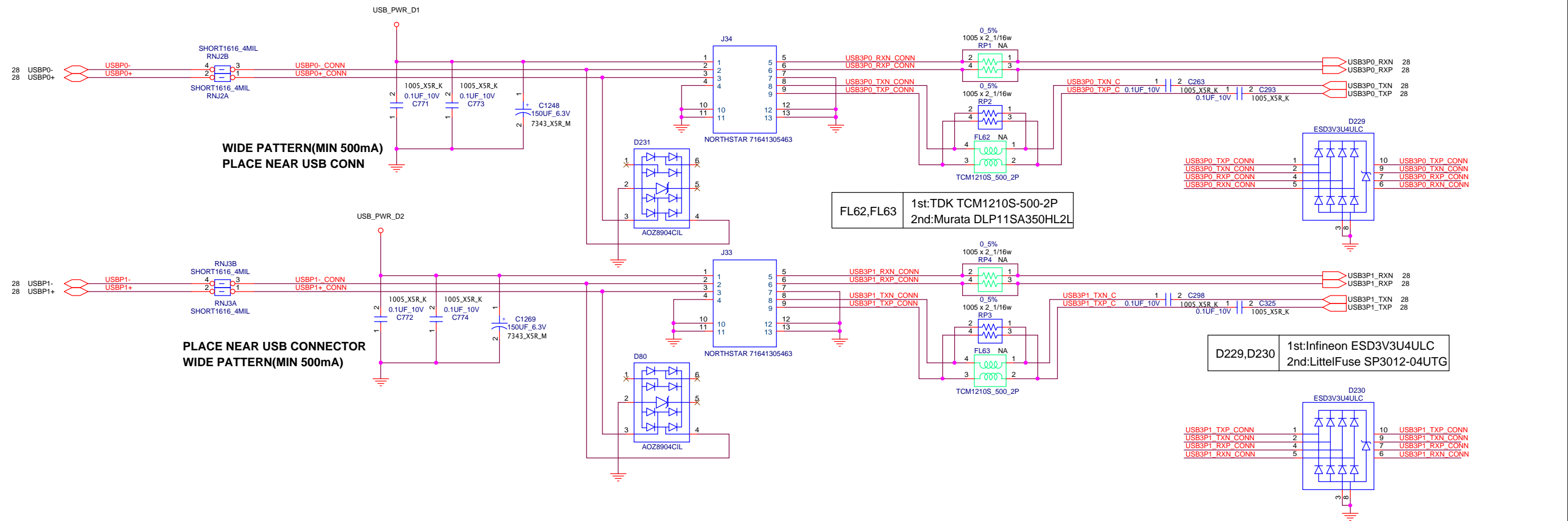
Date: Monday, March 19, 2012

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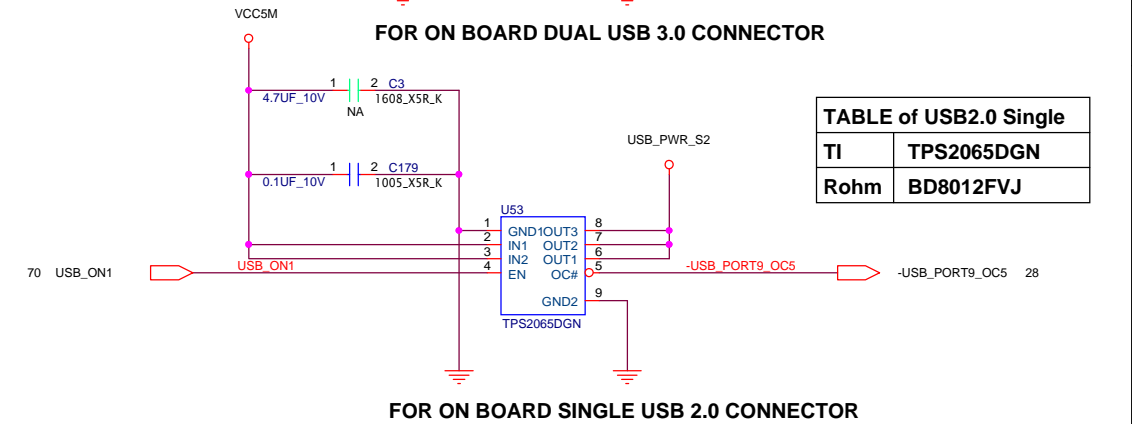
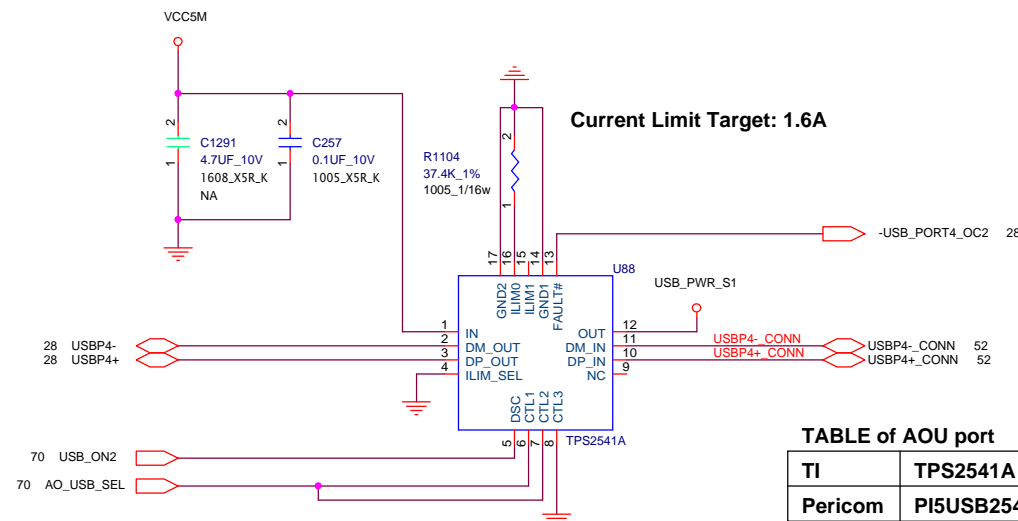








| TABLE of USB3.0 Dual | |
|----------------------|------------|
| TI | TPS2064DGN |
| GMT | G546A1F51U |

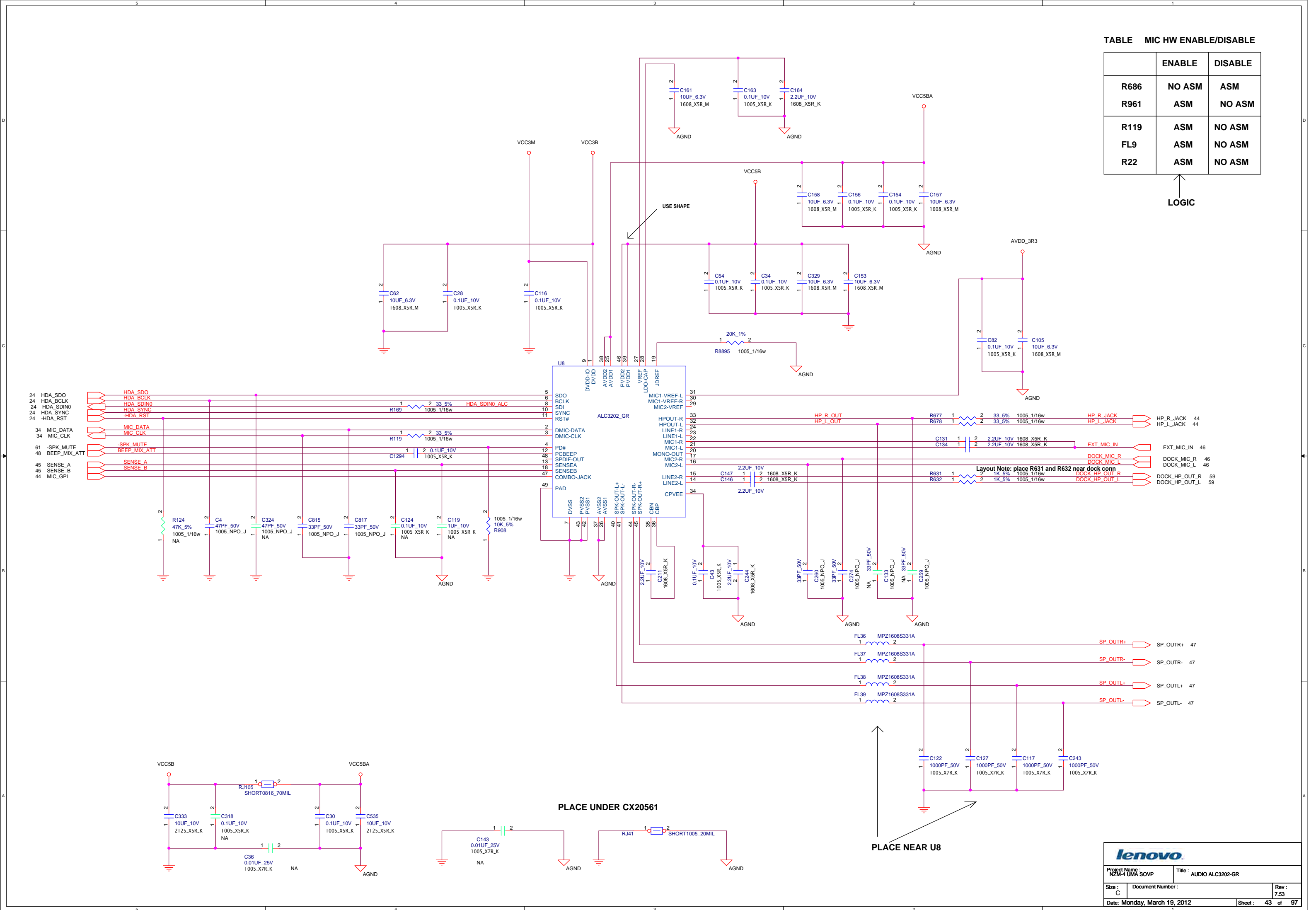


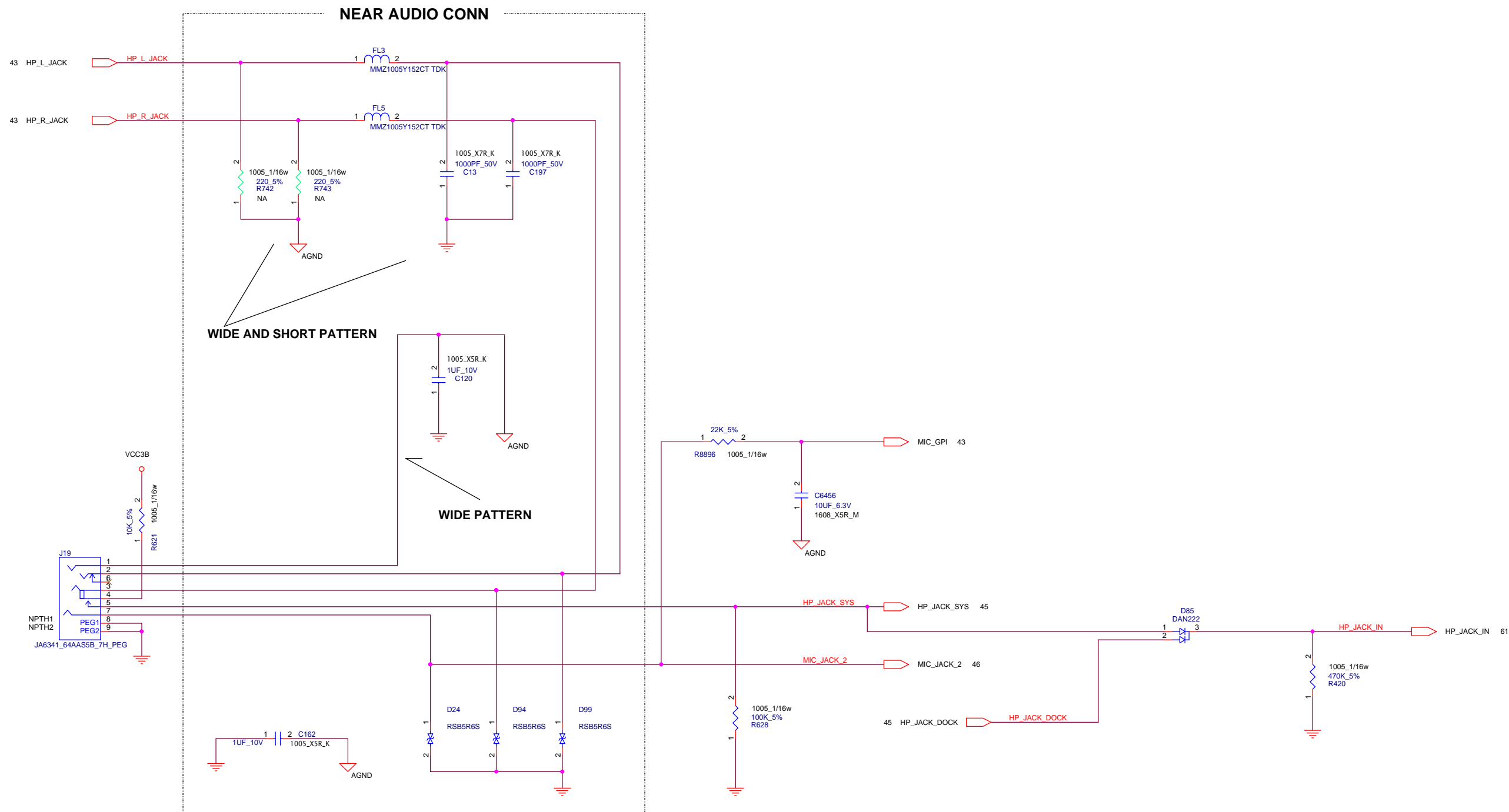
| TABLE of USB2.0 Single | |
|------------------------|------------|
| TI | TPS2065DGN |
| Rohm | BD8012FVJ |

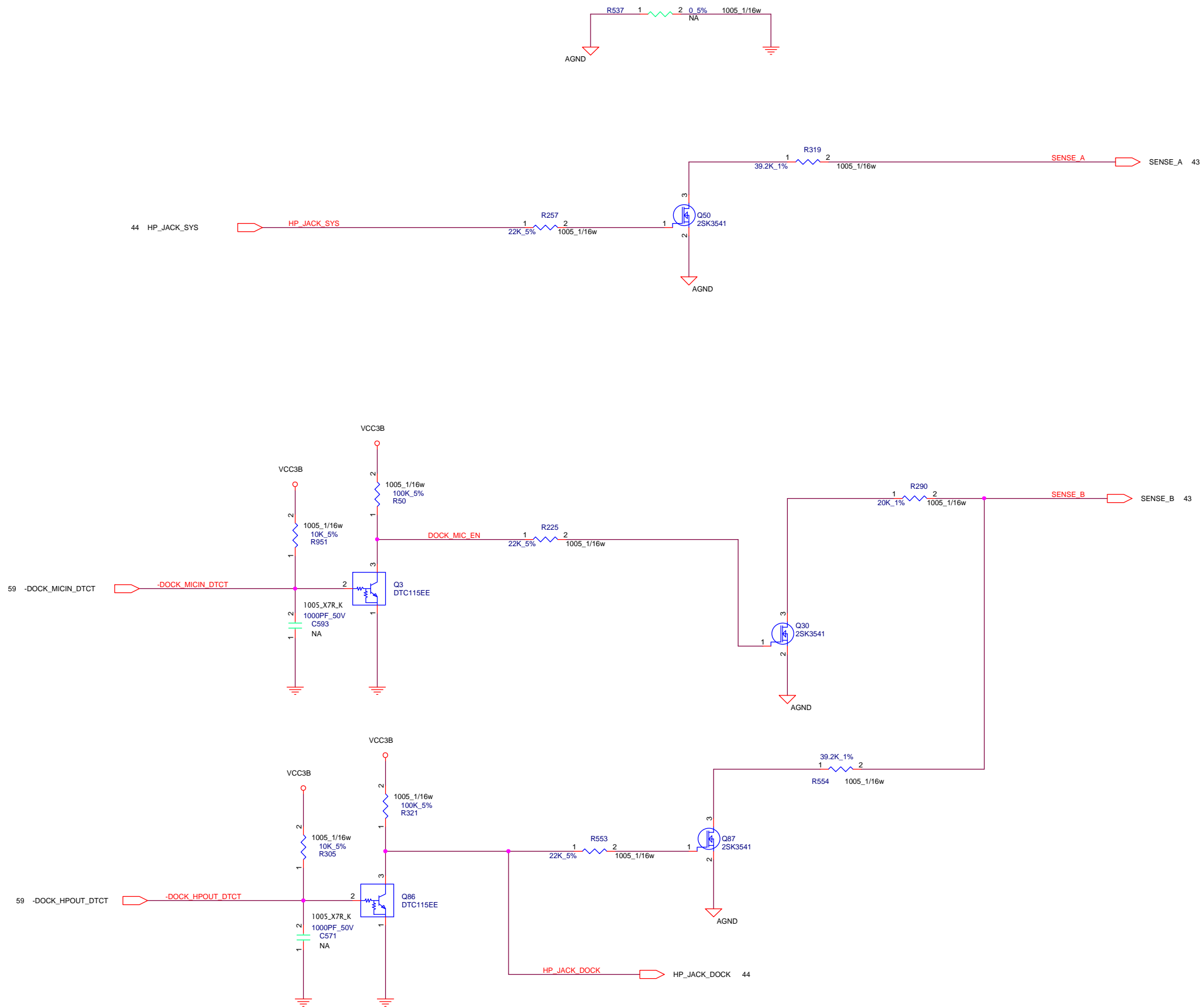
| TABLE | MIC HW ENABLE/DISABLE |
|-------|-----------------------|
|-------|-----------------------|

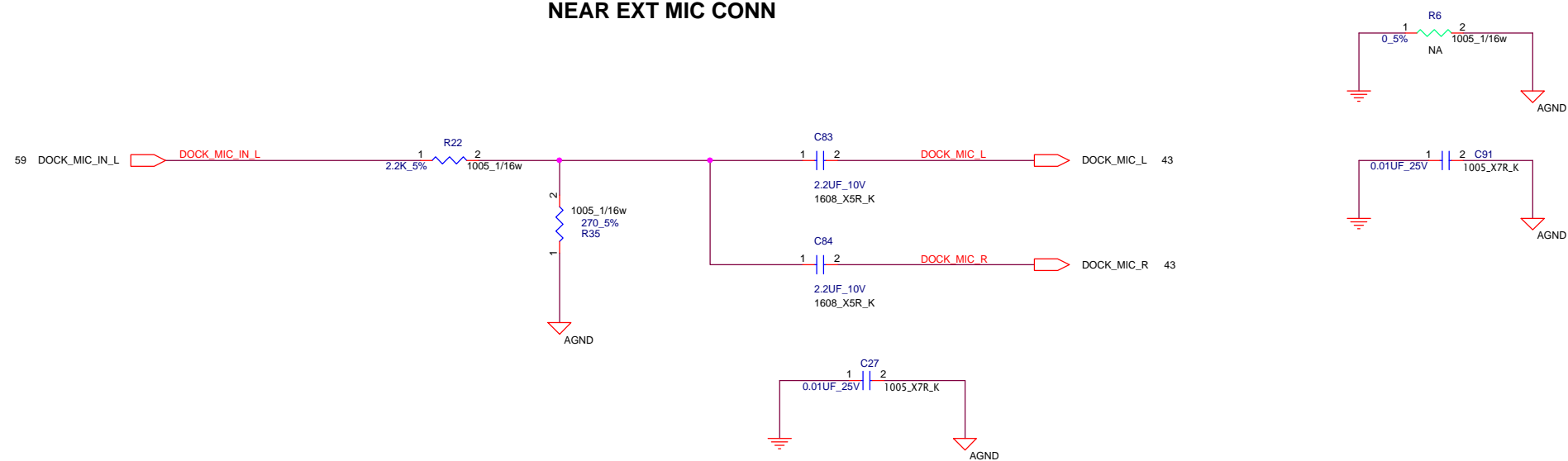
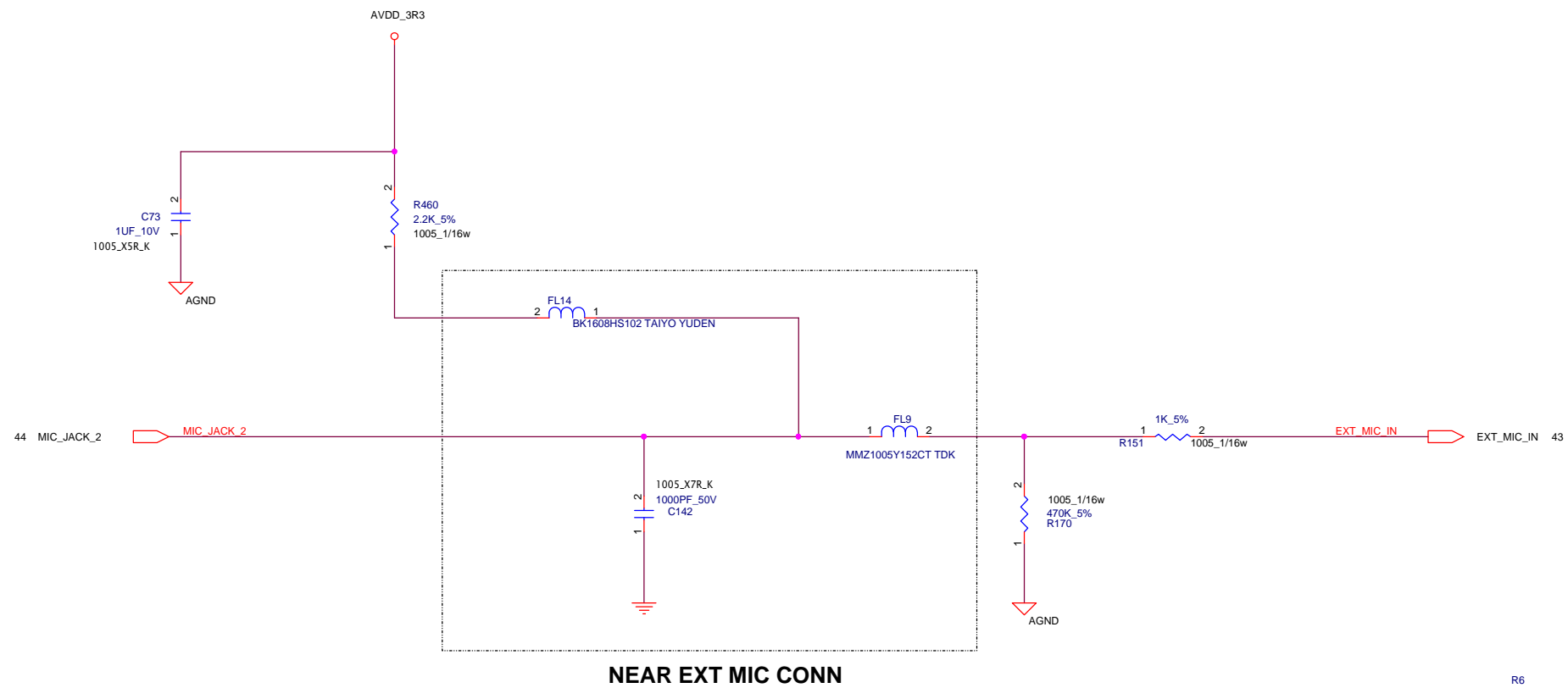
| | ENABLE | DISABLE |
|------|--------|---------|
| R686 | NO ASM | ASM |
| R961 | ASM | NO ASM |
| R119 | ASM | NO ASM |
| FL9 | ASM | NO ASM |
| R22 | ASM | NO ASM |

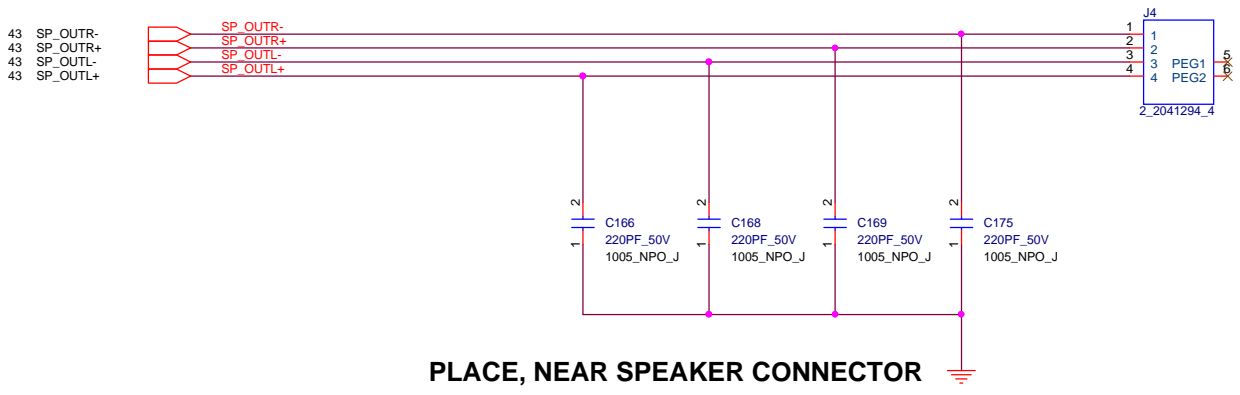
LOGIC

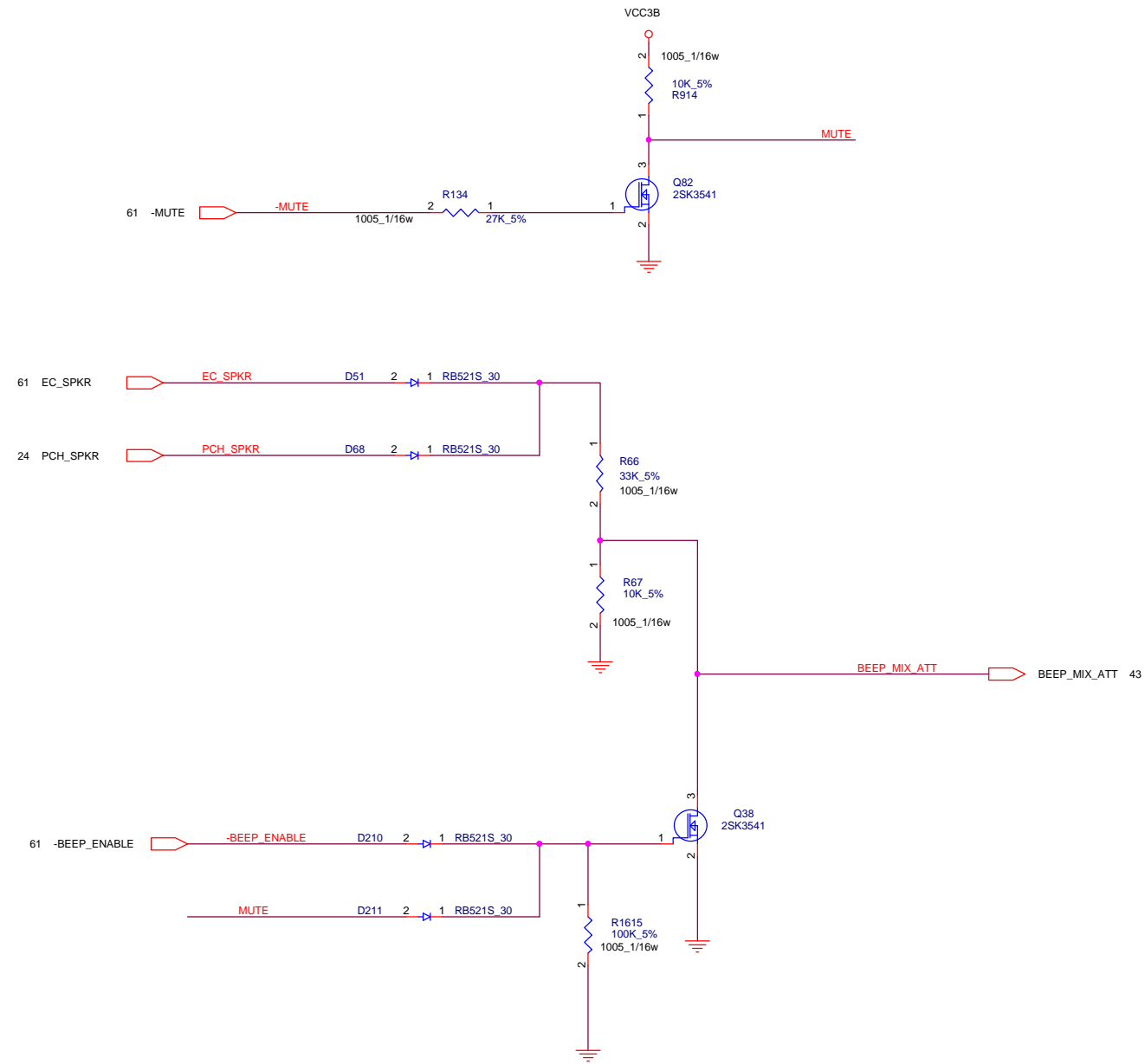






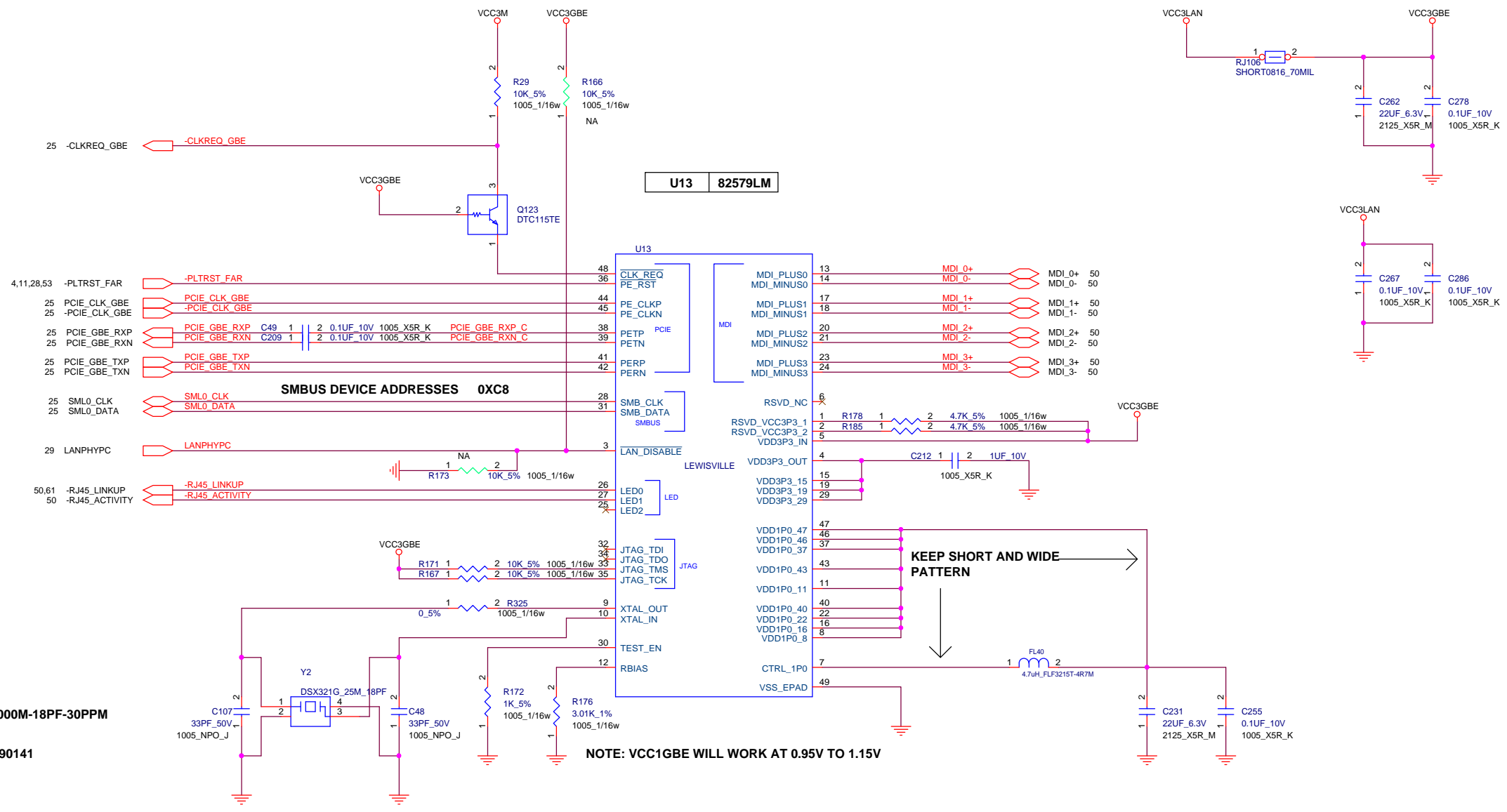






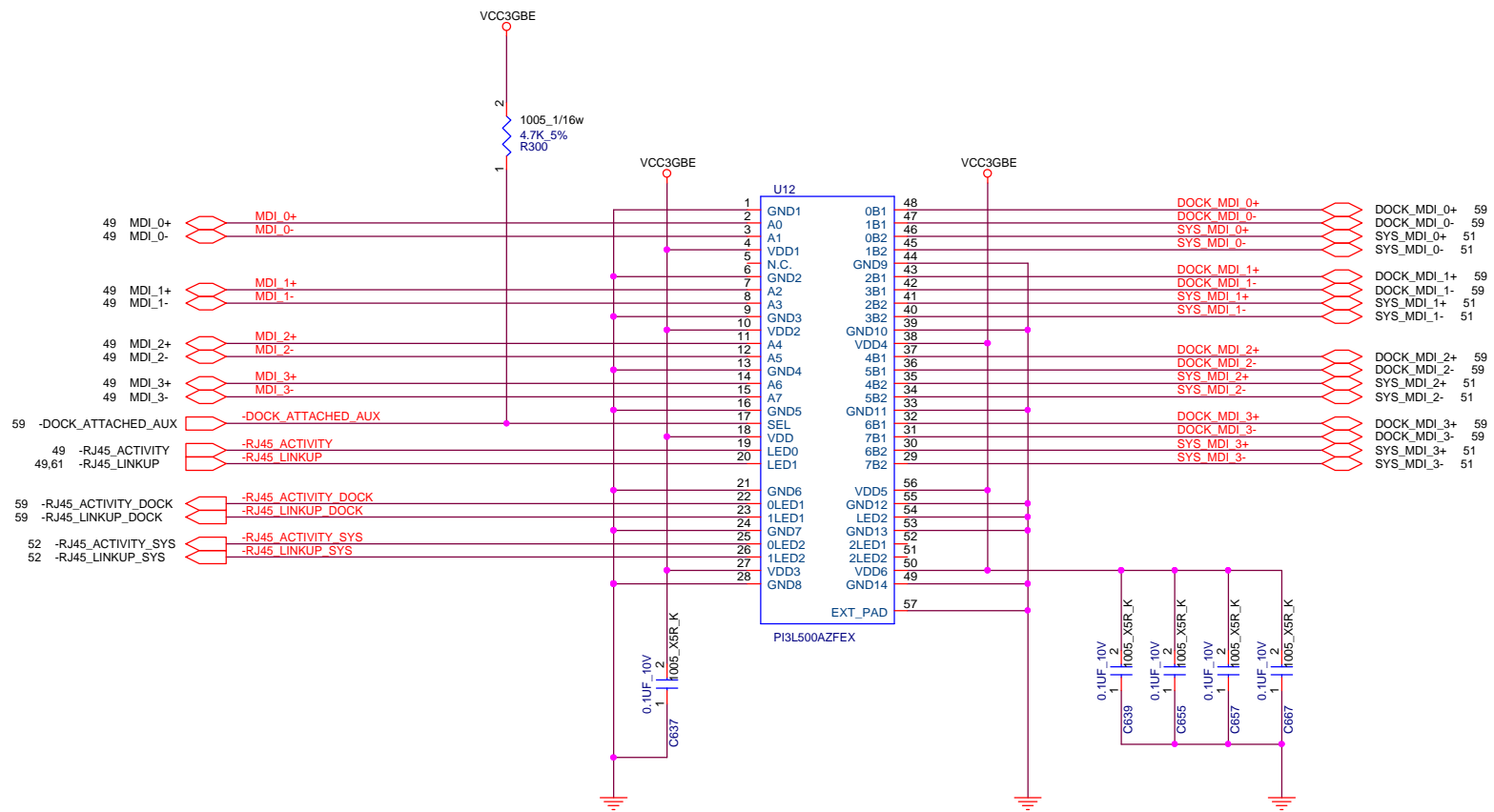
lenovo

| | | | |
|----------------------------------|-------------------|-----------------------|---------------|
| Project Name : NZM-4 UMA SOVP | | Title : AUDIO BEEP | |
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P/N 41U6141
KDS DSX321G-25.000M-18PF-30PPM
TXC 7V25020001
RIVER FCX-04-25MJ90141

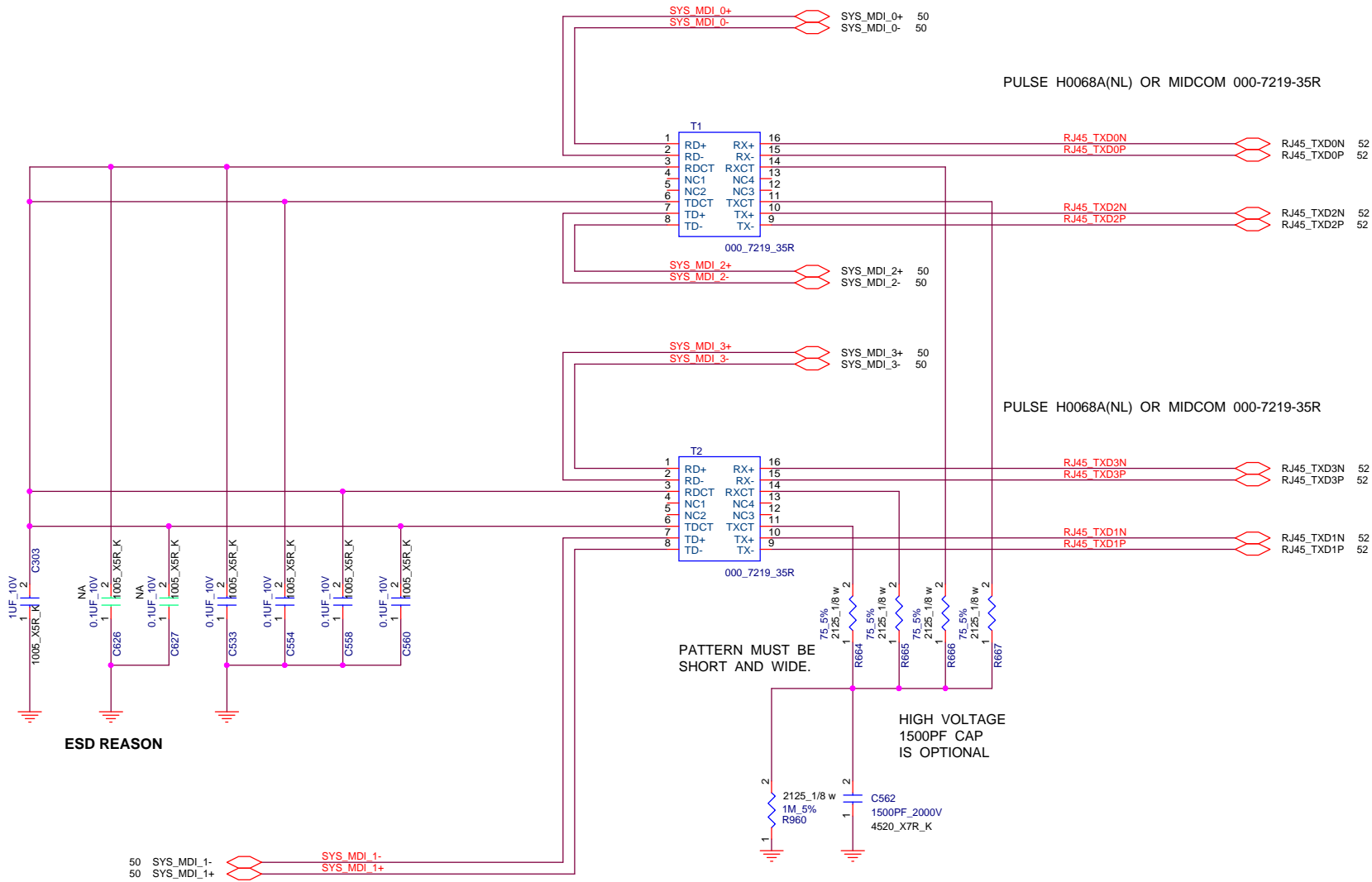
NOTE: VCC1GBE WILL WORK AT 0.95V TO 1.15V

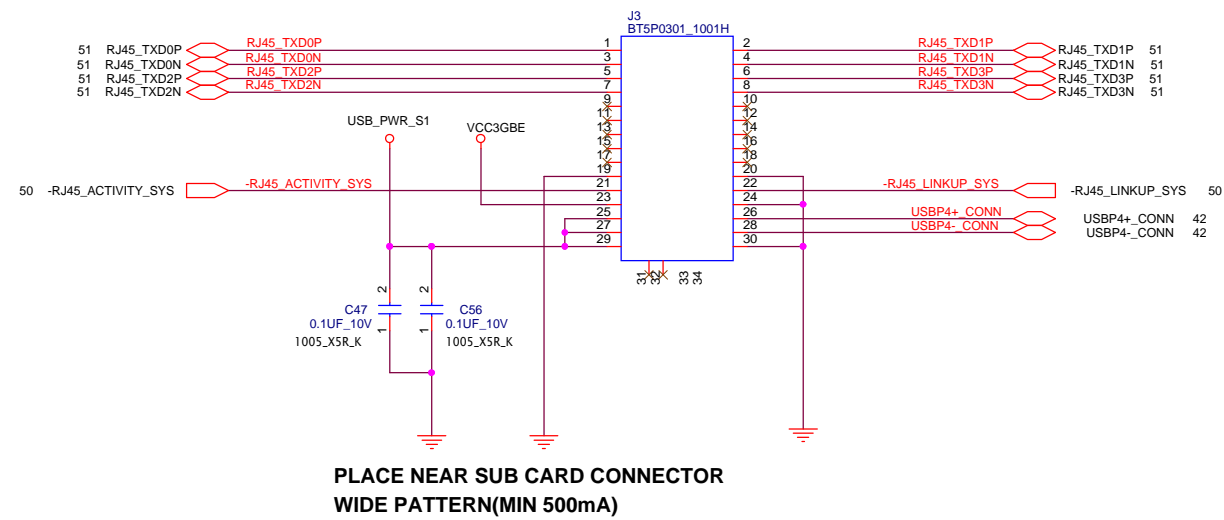


THE WIDTH OF THESE TRACE SHOULD BE WIDER THAN 35MIL TO PREVENT VOLTAGE DROP.



C303 SHOULD BE PLACED AS CLOSE TO MAGNETICS AS POSSIBLE.

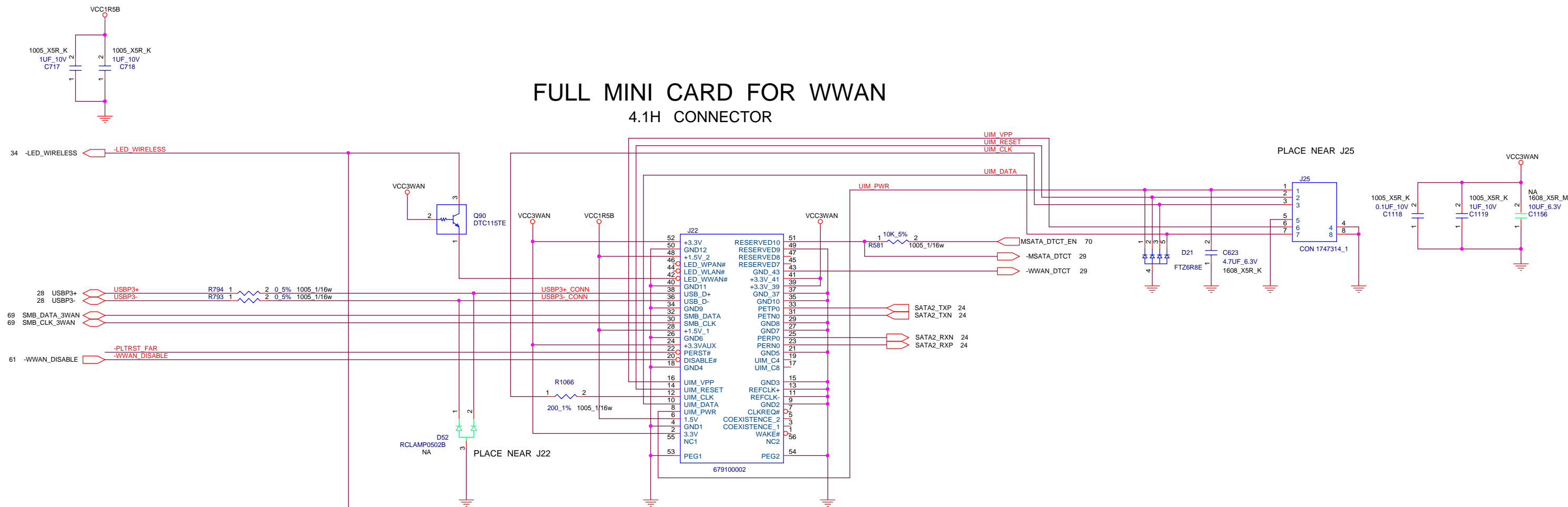




| | | | |
|----------------------------------|-------------------|-----------------------------|---------------|
| Project Name : NZM-4 UMA SOVP | | Title : I/O SUB CARD I/F | |
| Size : C | Document Number : | | Rev : 7.53 |
| Date: Monday, March 19, 2012 | | Sheet : 52 of 97 | |

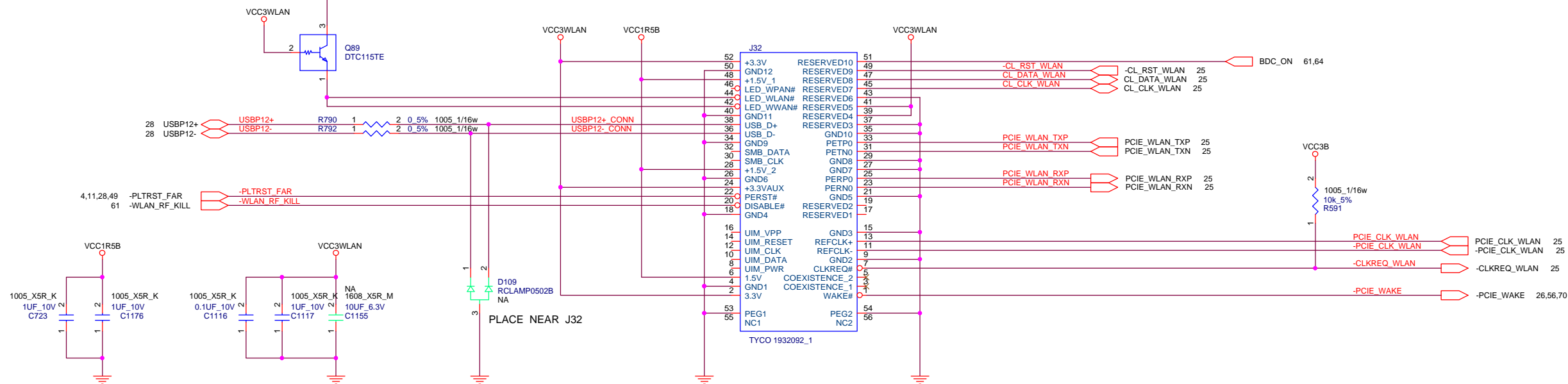
FULL MINI CARD FOR WWAN

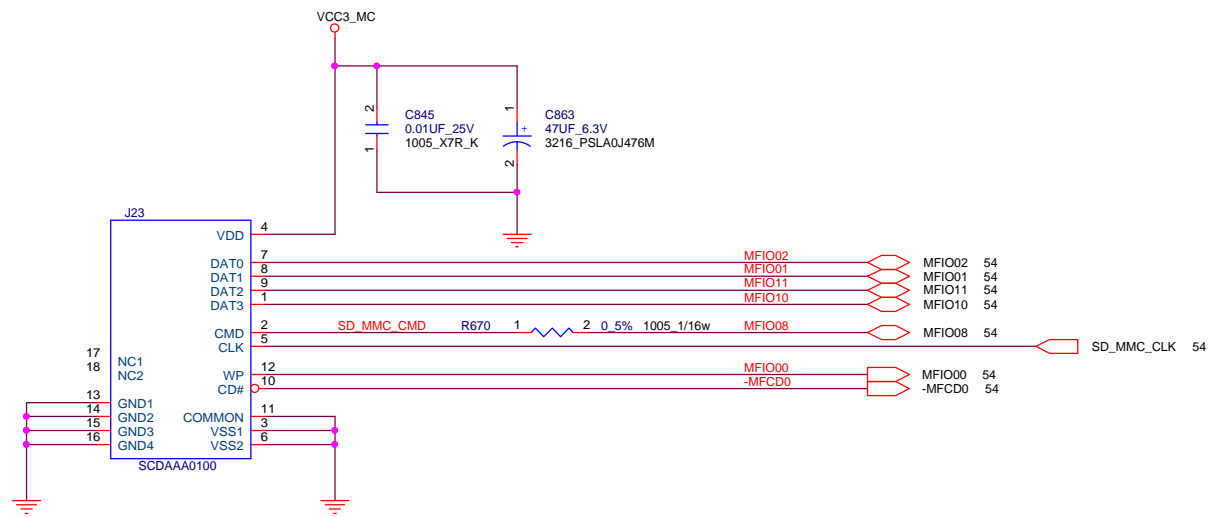
4.1H CONNECTOR



HALF MINI CARD FOR WLAN

7.0H CONNECTOR





Project Name :
NZM-4 UMA SOVP

Title :
MEDIA CARD INTERFACE

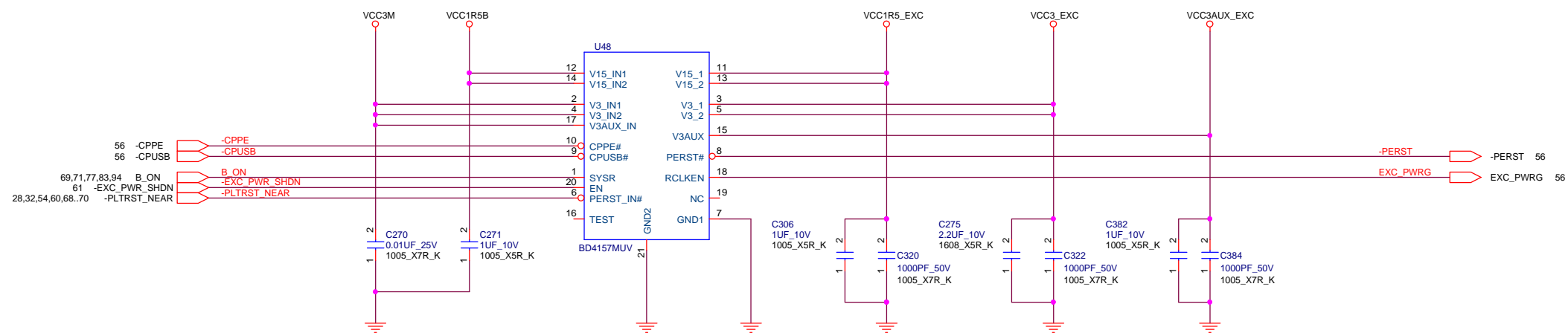
Size :
C

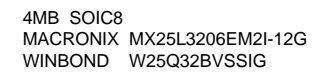
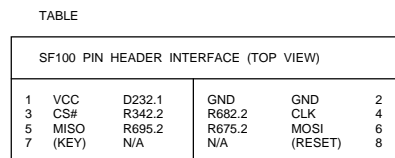
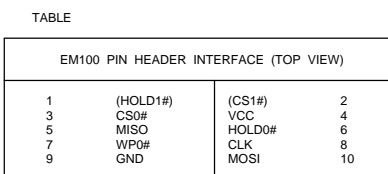
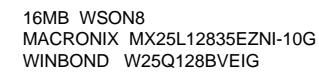
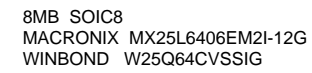
Document Number :

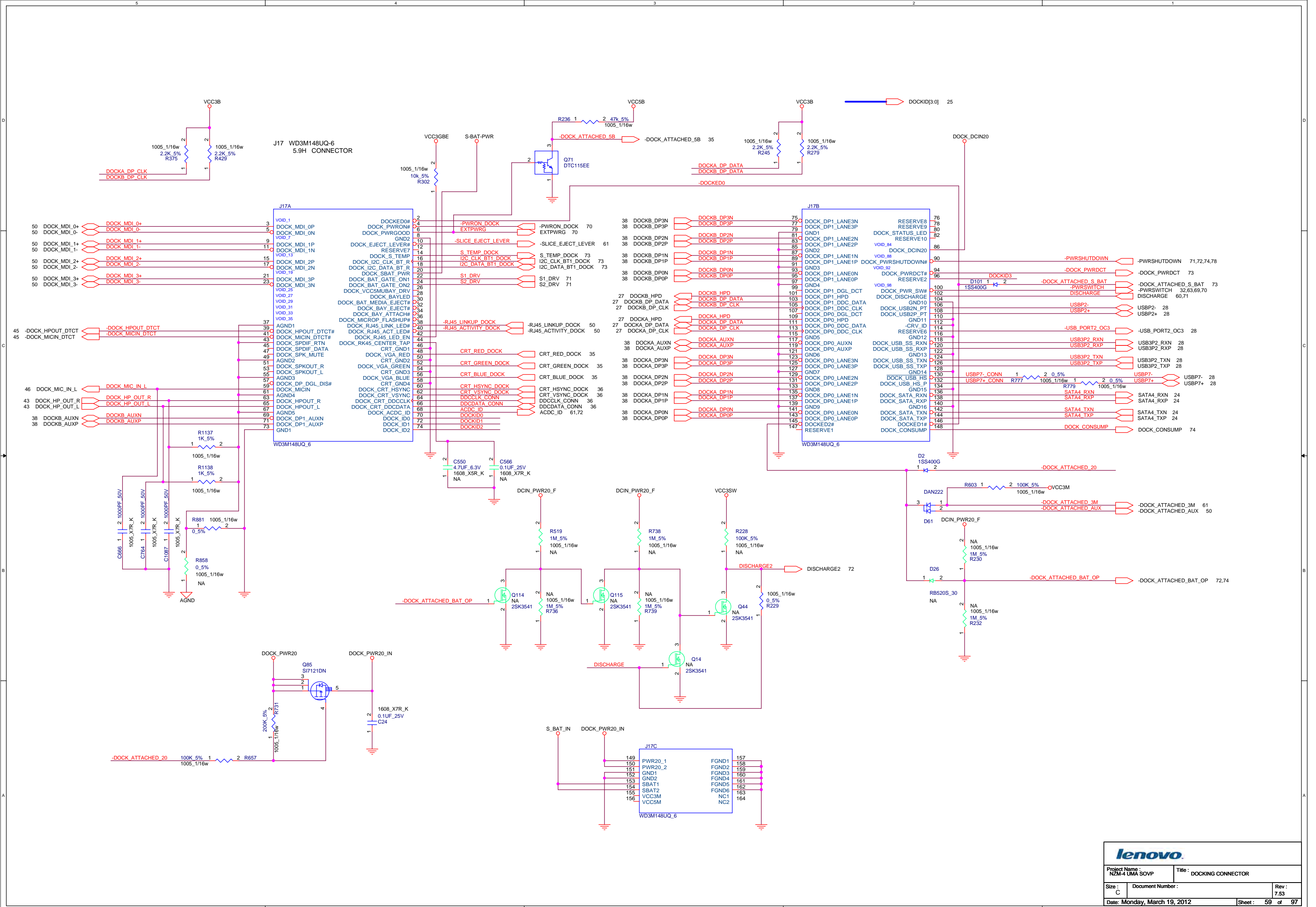
Rev :
7.53

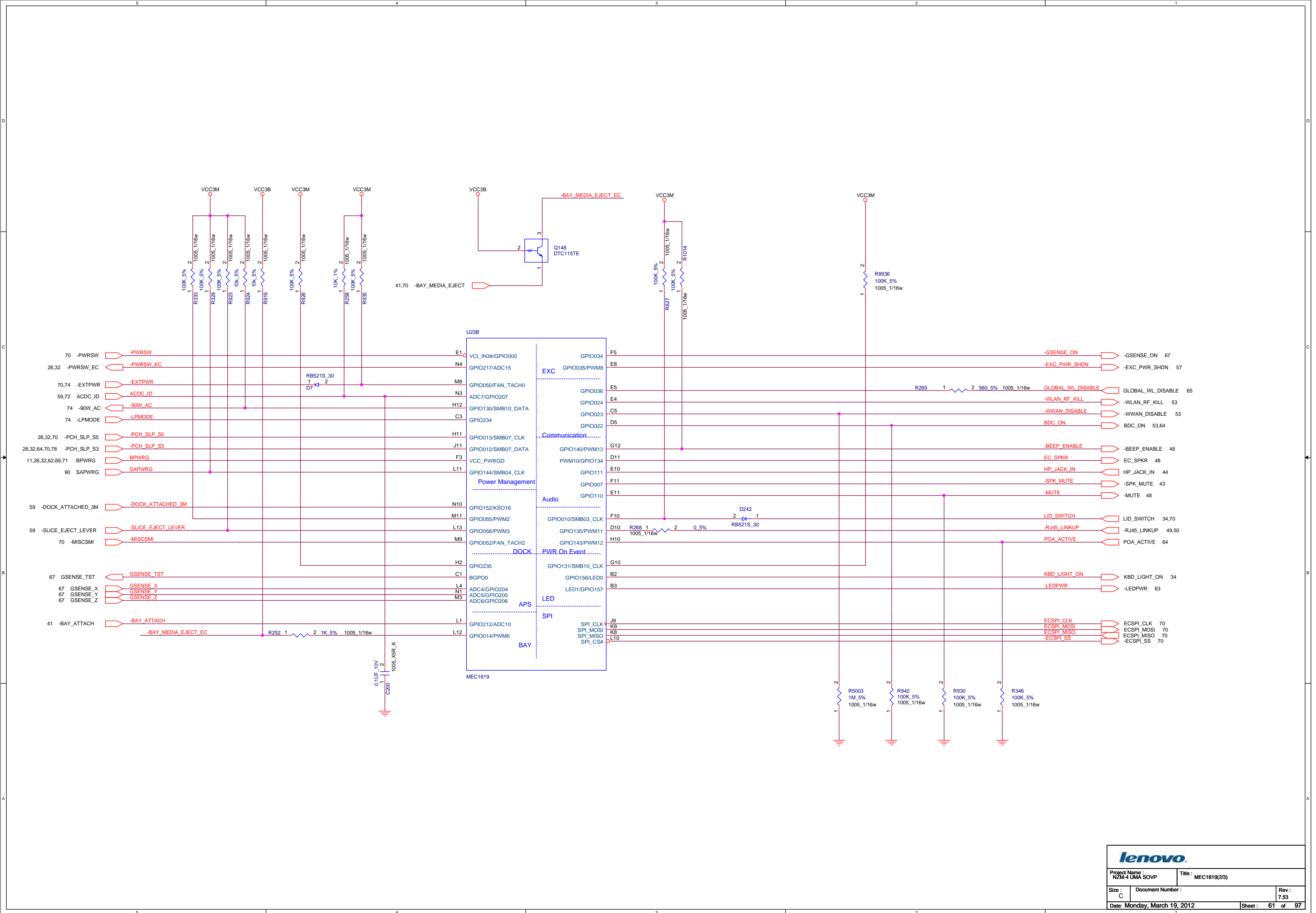
Date: Monday, March 19, 2012

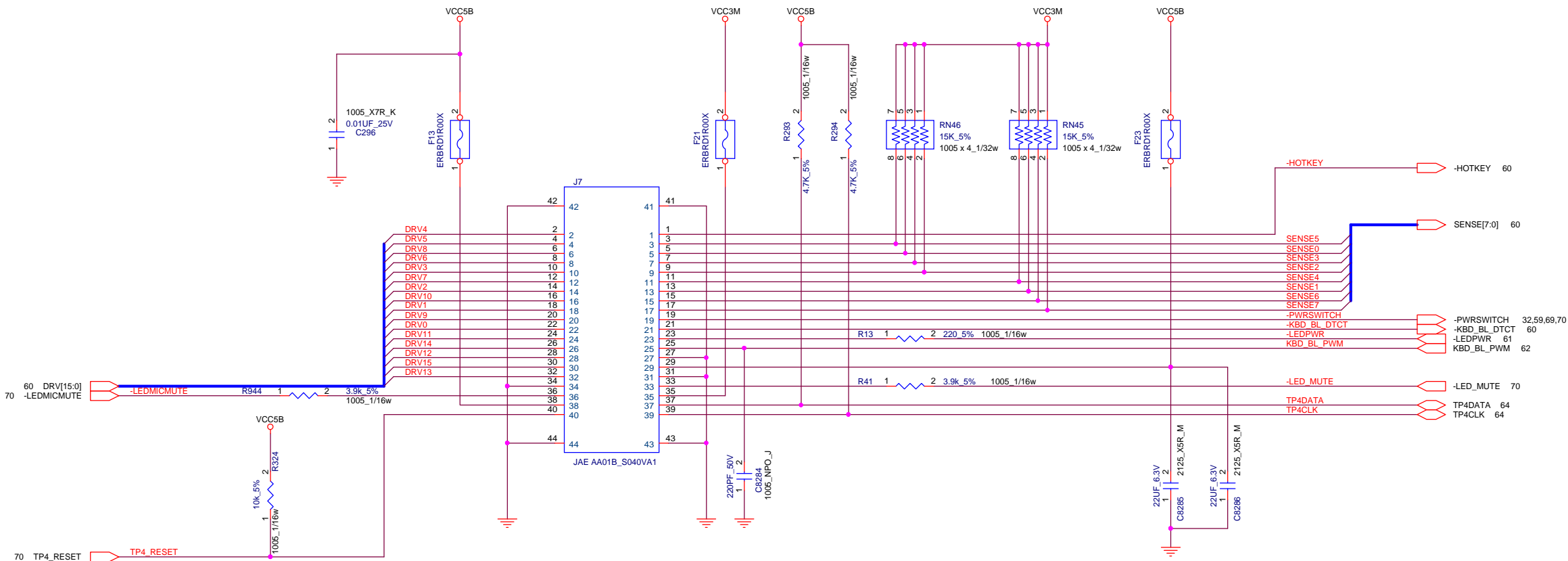
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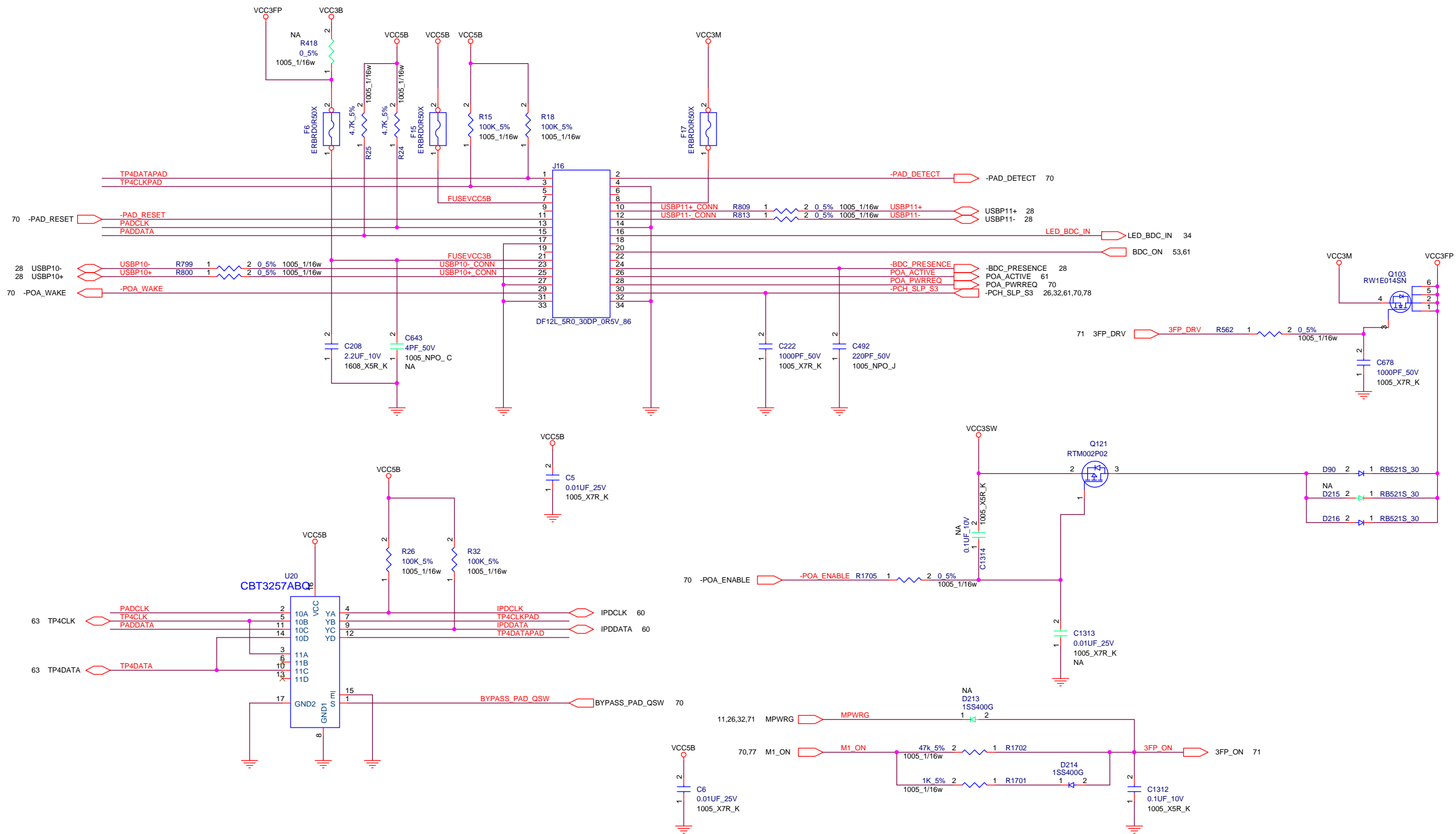


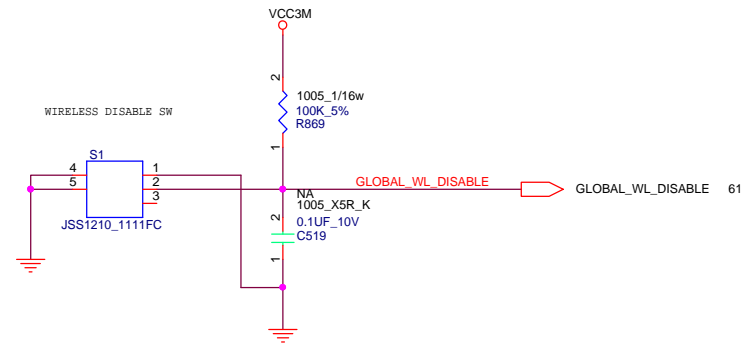


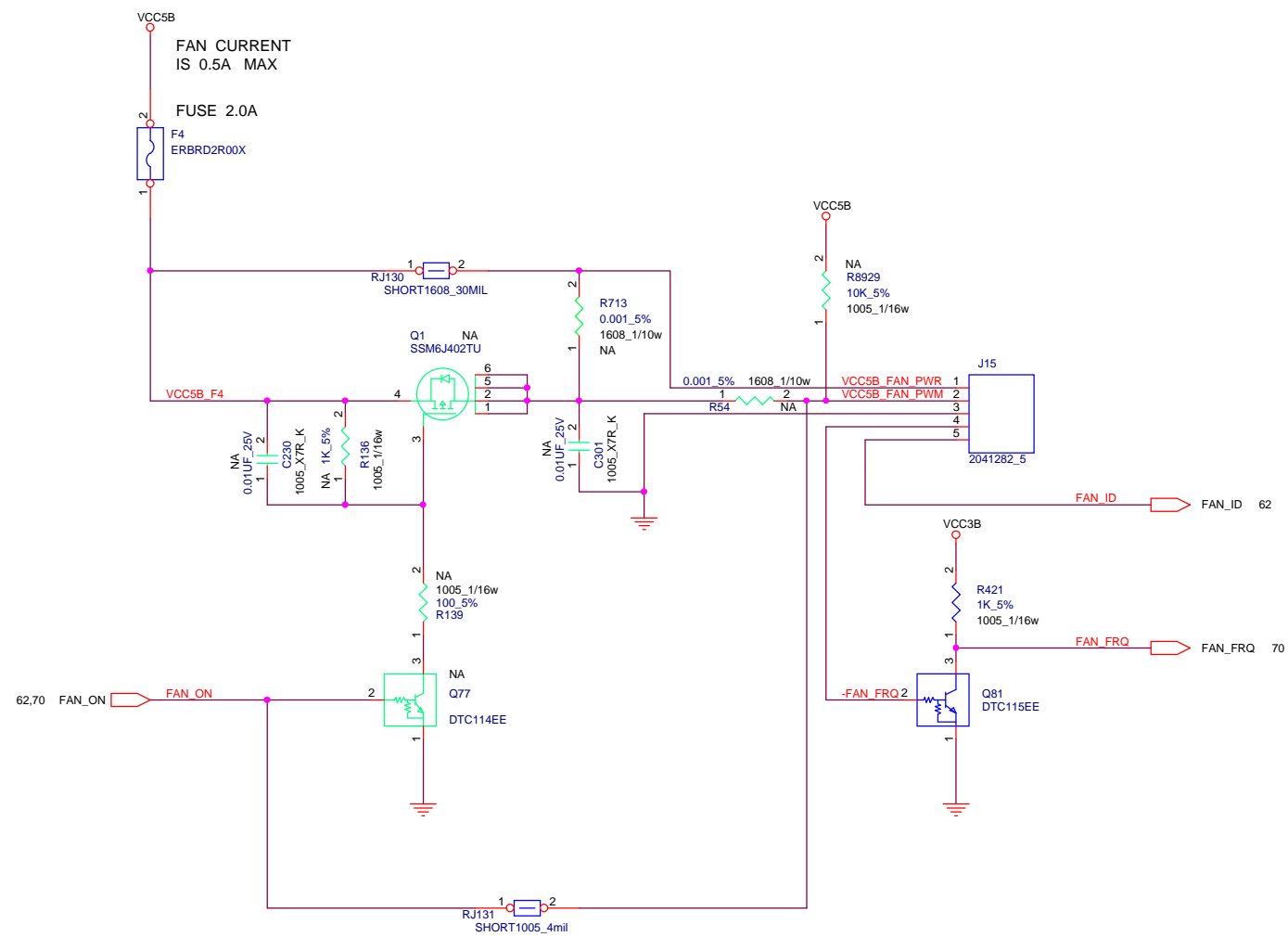








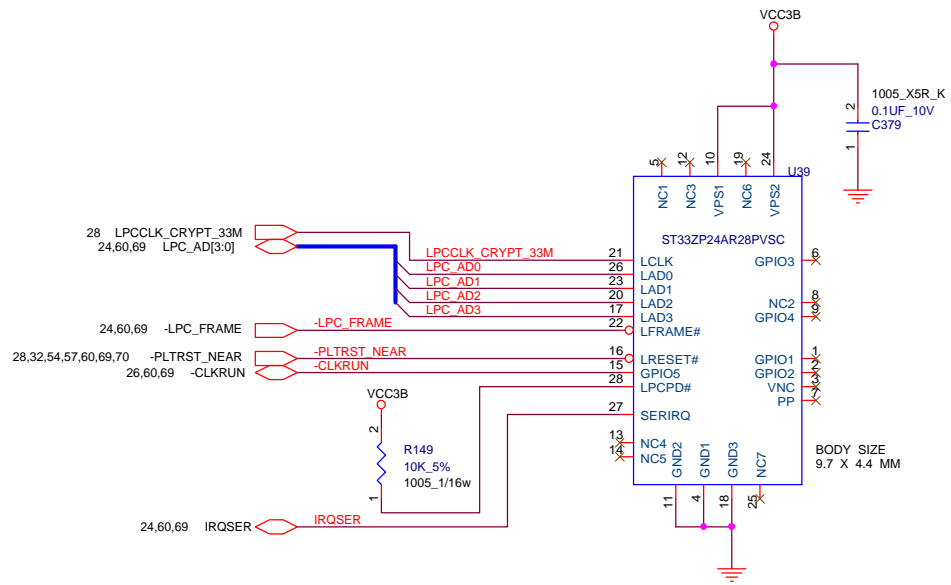




Project Name : NZM-4 UMA SOVP Title : FAN CONNECTOR

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TABLE

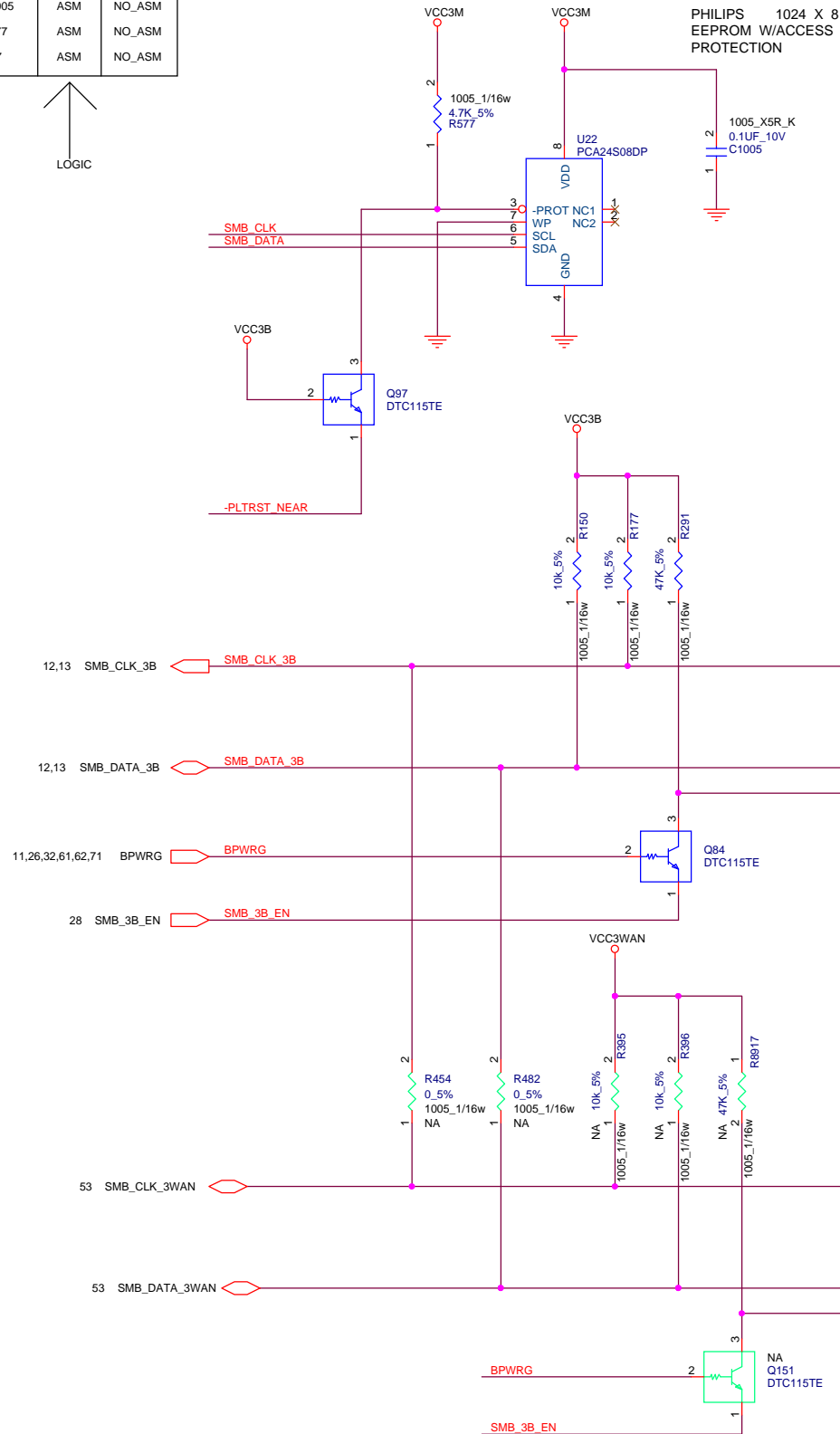
| | | |
|--------------------------|------------------------|-------------------------------------|
| SDV and Mech FVT | ST19NP18ER28PVMO | 1.2.8.20 |
| FVT | ST33ZP24AR28PVOG | 1.2.A.C |
| SW SIT-1,SIT, and SIT-R1 | ST33ZP24AR28PVRC | 1.2.C.0 |
| SIT-R2 and SVT | ST33ZP24AR28PVSC Rev.1 | 1.2.D.0 |
| SOVP | ST33ZP24AR28PVSC Rev.J | (1.2.D.0) 1.2.D.8 by FW Update |
| MP | ST33ZP24AR28PVSH | 1.2.D.8 |



TABLE

| EEPROM | U22 | U23 |
|--------|-----|--------|
| U22 | ASM | NO_ASM |
| C1005 | ASM | NO_ASM |
| R577 | ASM | NO_ASM |
| Q97 | ASM | NO_ASM |

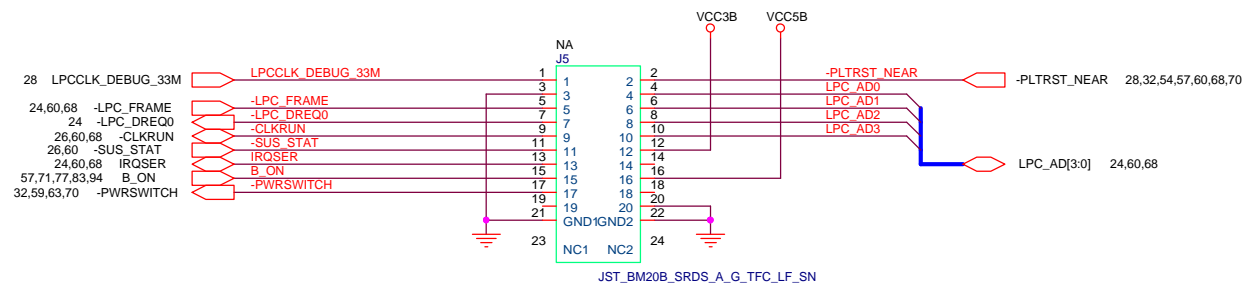
LOGIC



TABLE

| REF DES | ENABLE | DISABLE |
|---------|--------|---------|
| J5 | ASM | NO_ASM |
| R220 | ASM | NO_ASM |

LOGIC



TABLE

| | | | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|
| AOAC | YES | YES | YES | YES | NO | NO | NO | NO |
| Anti Theft | YES | YES | NO | NO | YES | YES | NO | NO |
| EEPROM | U22 | U23 | U22 | U23 | U22 | U23 | U22 | U23 |
| U27 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| U33 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| C297 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| R395 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| R396 | ASM | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| R8917 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| Q151 | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| U21 | ASM | ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| U31 | ASM | ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| C25 | ASM | ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| R291 | ASM | ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| Q84 | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| R454 | NO_ASM | NO_ASM | NO_ASM | NO_ASM | ASM | ASM | NO_ASM | NO_ASM |
| R482 | NO_ASM | NO_ASM | NO_ASM | NO_ASM | ASM | ASM | NO_ASM | NO_ASM |
| R8943 | NO_ASM | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| R8942 | NO_ASM | ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM | NO_ASM |
| R8941 | NO_ASM | NO_ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM | ASM |
| R8940 | NO_ASM | NO_ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM | ASM |
| R30 | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |
| R45 | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM | ASM | NO_ASM |

LOGIC



DCIN



78048_0543

59 DISCHARGE2

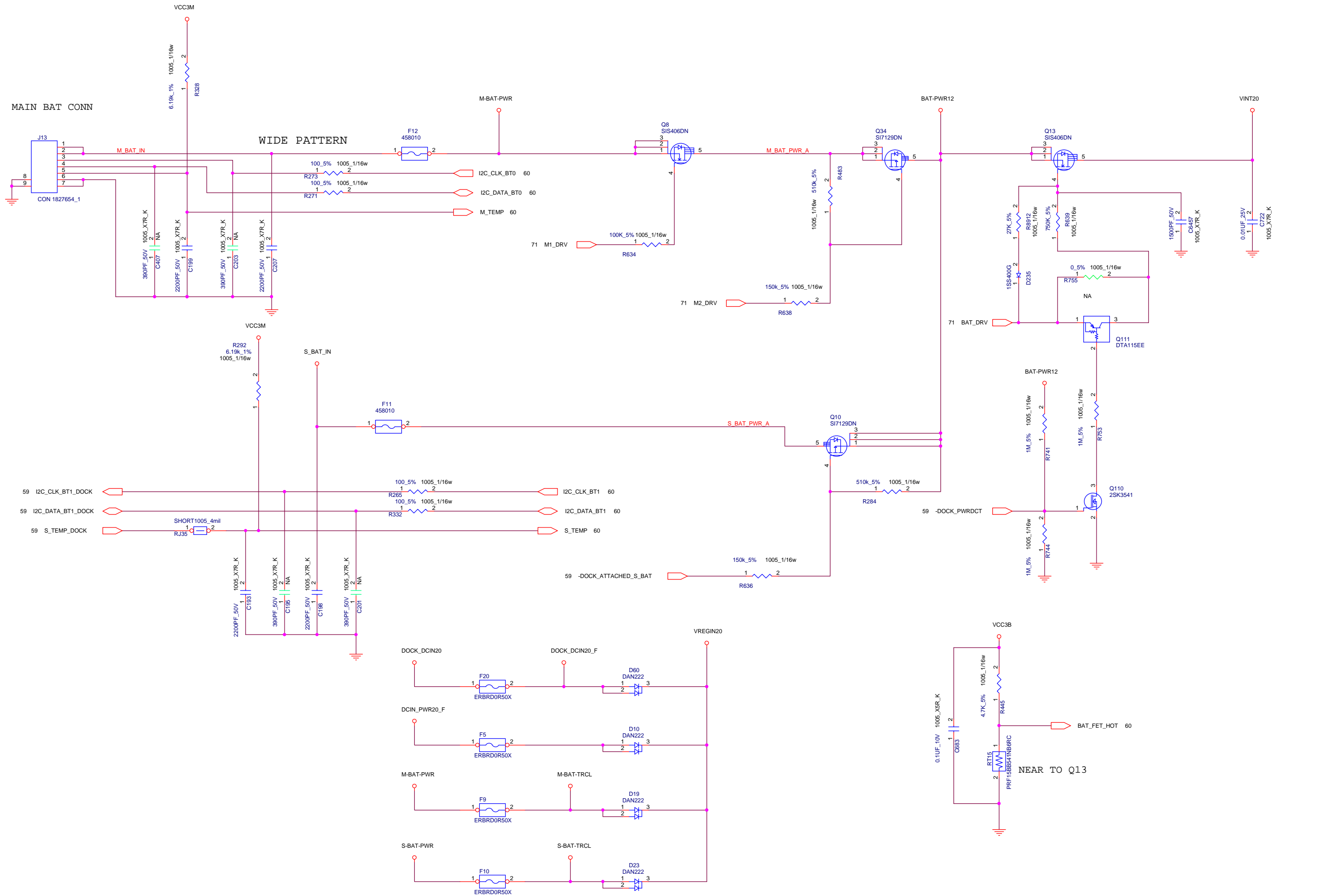
59,71,74,78 -PWRSHUTDOWN

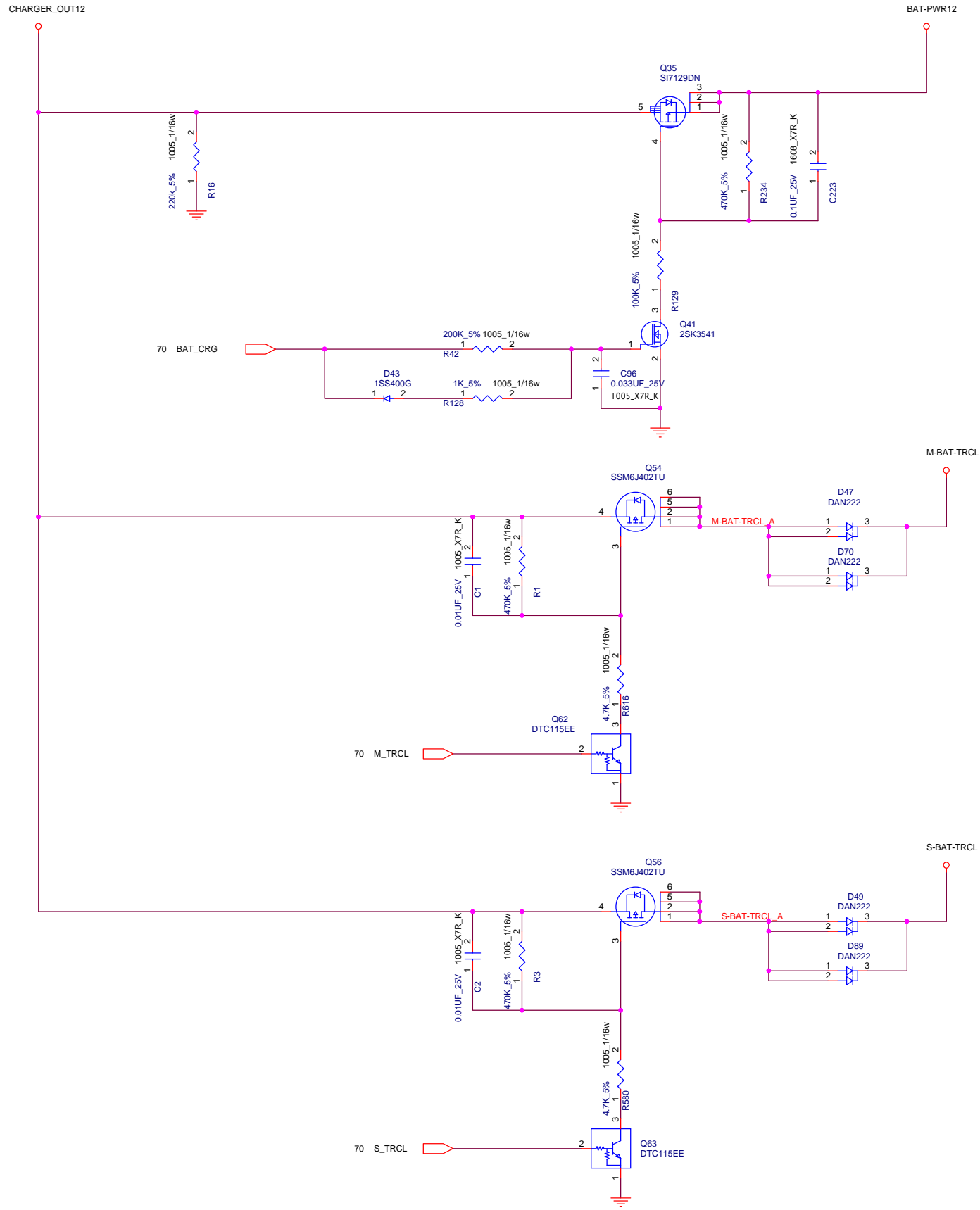
PLACE NEAR CONNECTOR

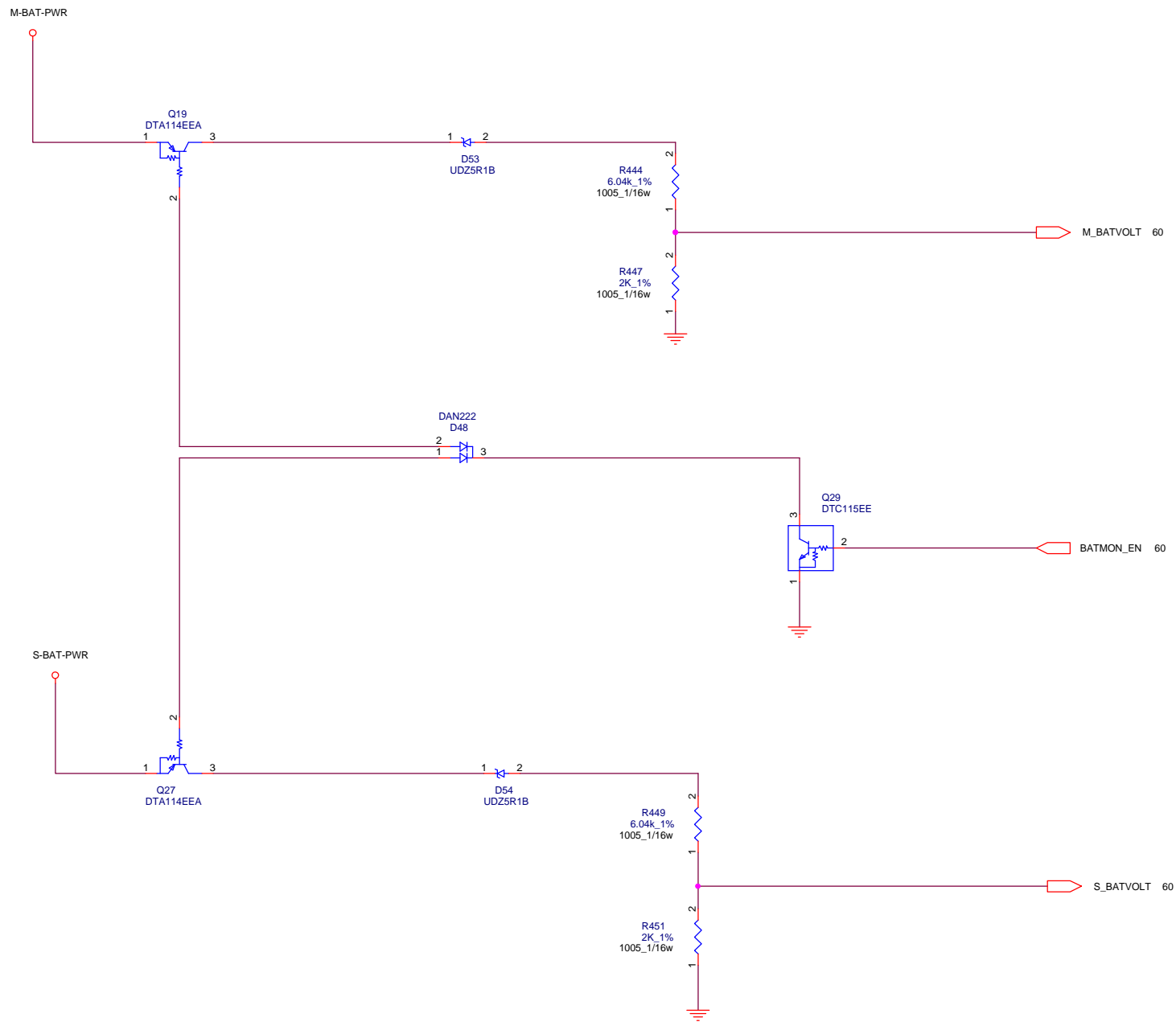
TABLE

| PEAK SHIFT | YES | NO |
|------------|--------|--------|
| R662 | NO-ASM | ASM |
| R369 | ASM | NO-ASM |
| Q78 | ASM | NO-ASM |
| Q51 | ASM | NO-ASM |

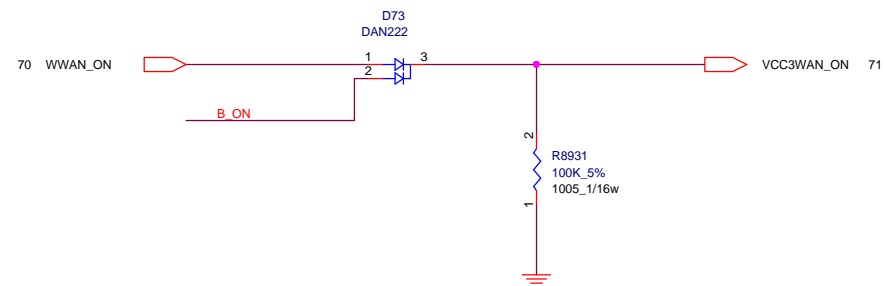
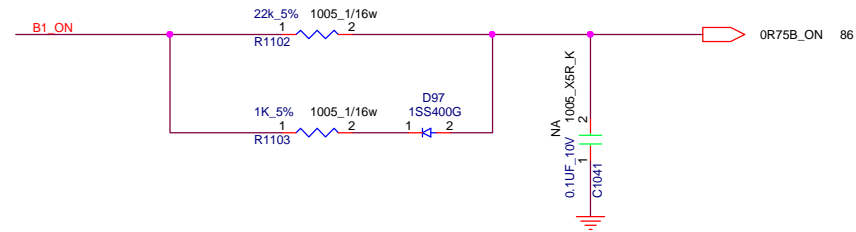
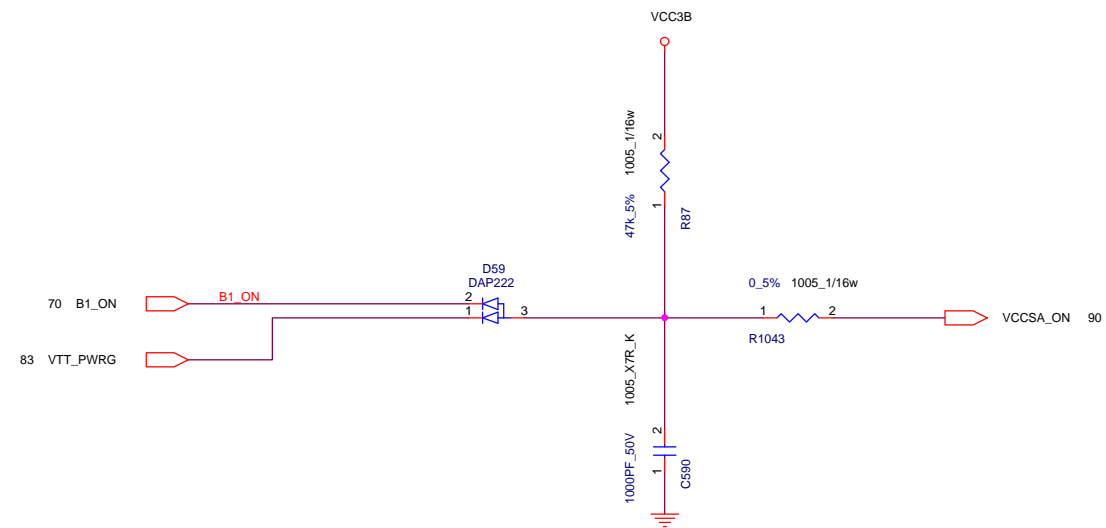
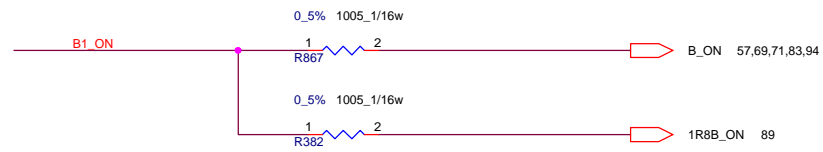
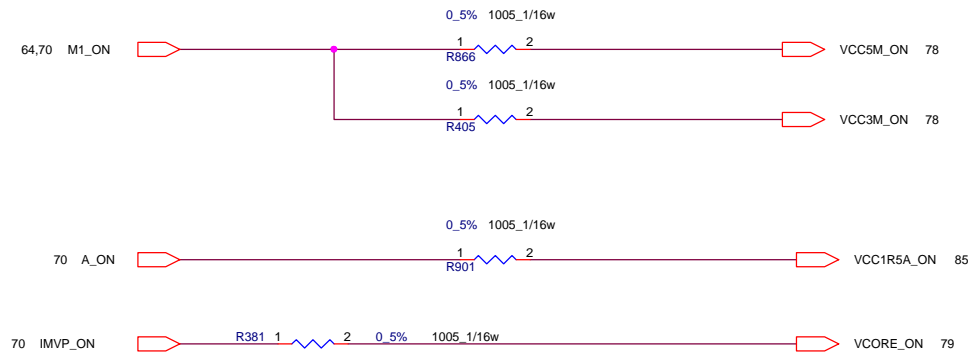
LOGIC







| | | | |
|----------------------------------|-------------------|----------------------------|---------------|
| Project Name : NZM-4 UMA SOVP | | Title : BATTERY MONITOR | |
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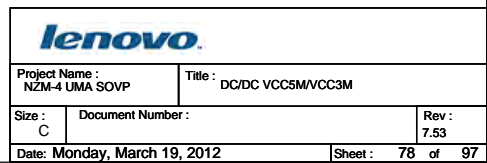


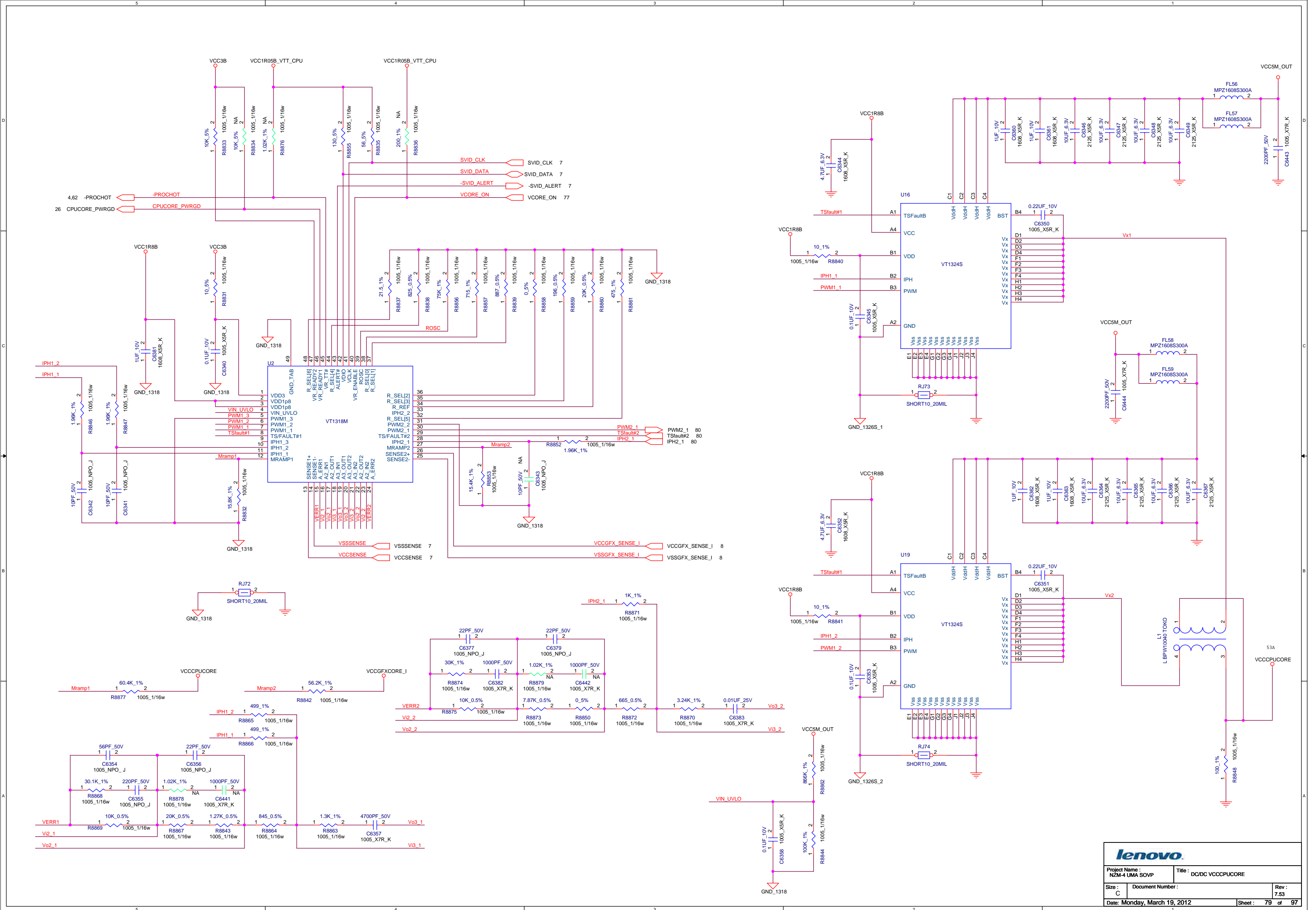
TABLE

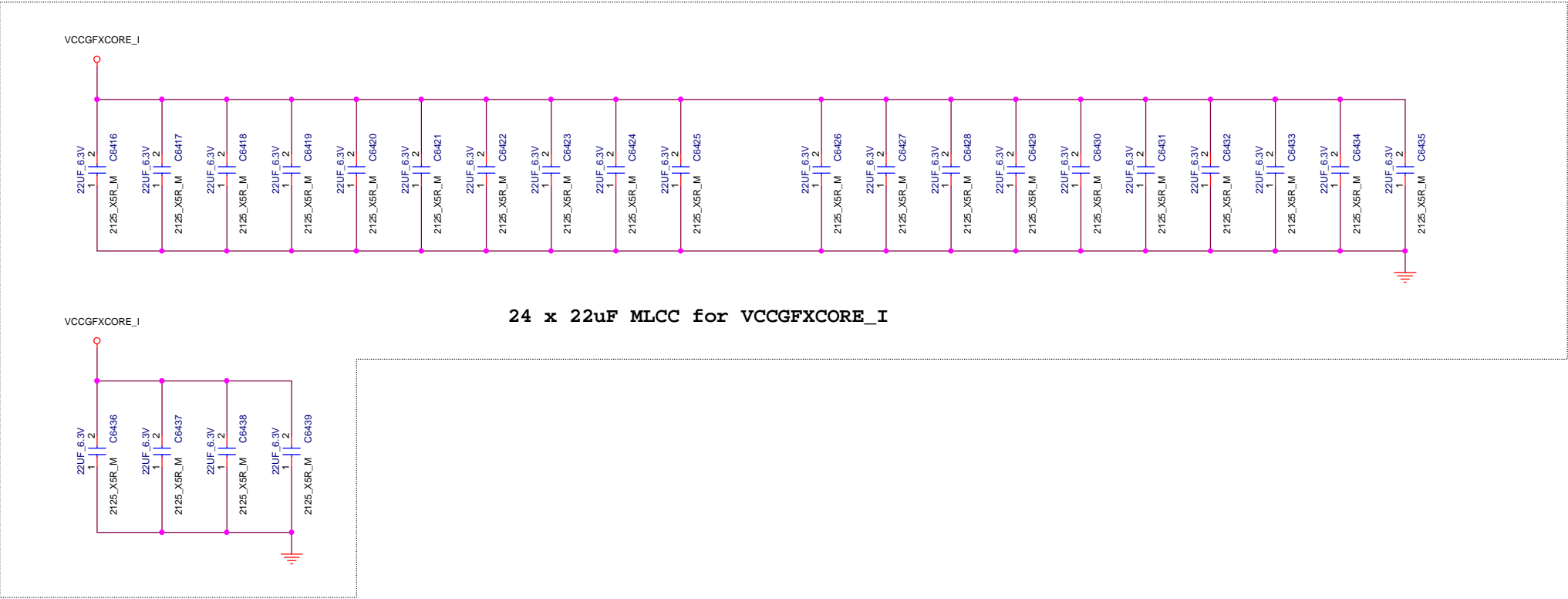
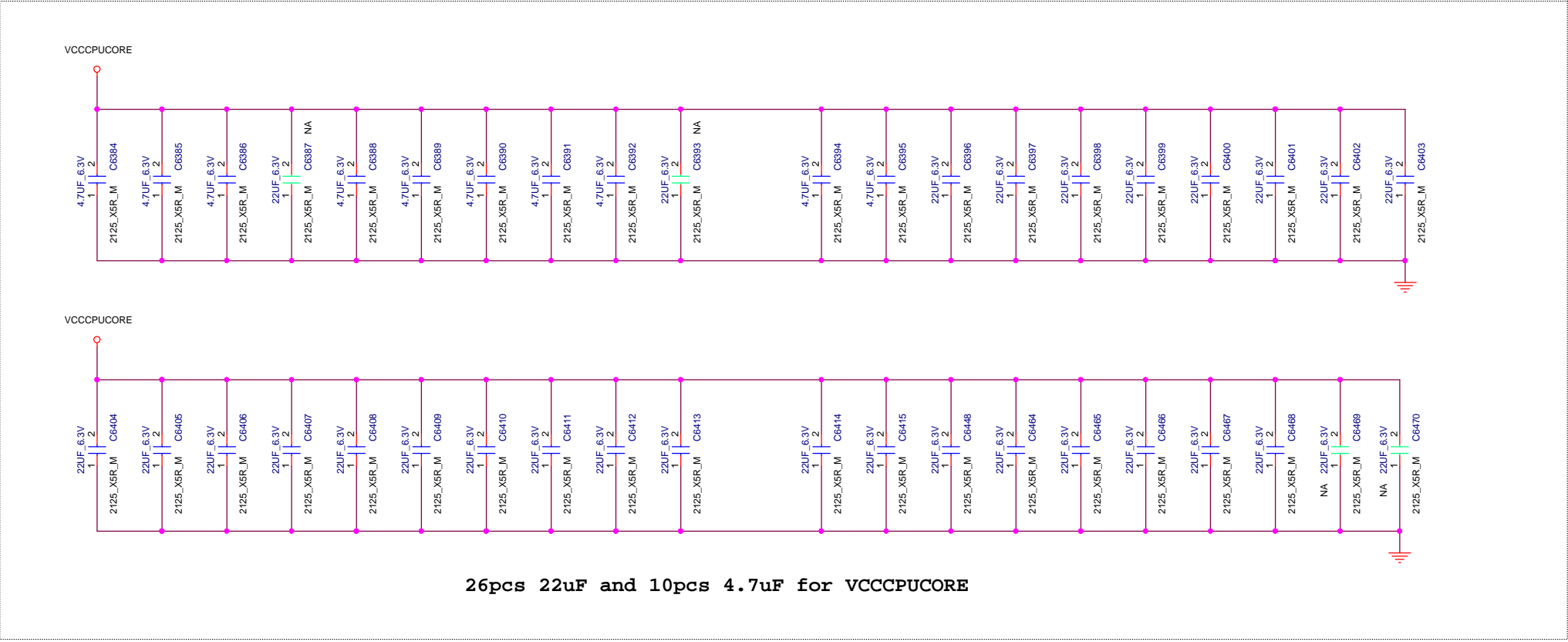
| AOAC | YES | NO |
|-------|-----------------|--------------|
| D73 | ASM | NO-ASM |
| R8931 | ASM 100K-ohm | ASM 0-ohm |

↑
LOGIC

All the input MLCCs on 20V must be placed symmetrically on Top and Bottom.



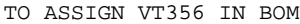




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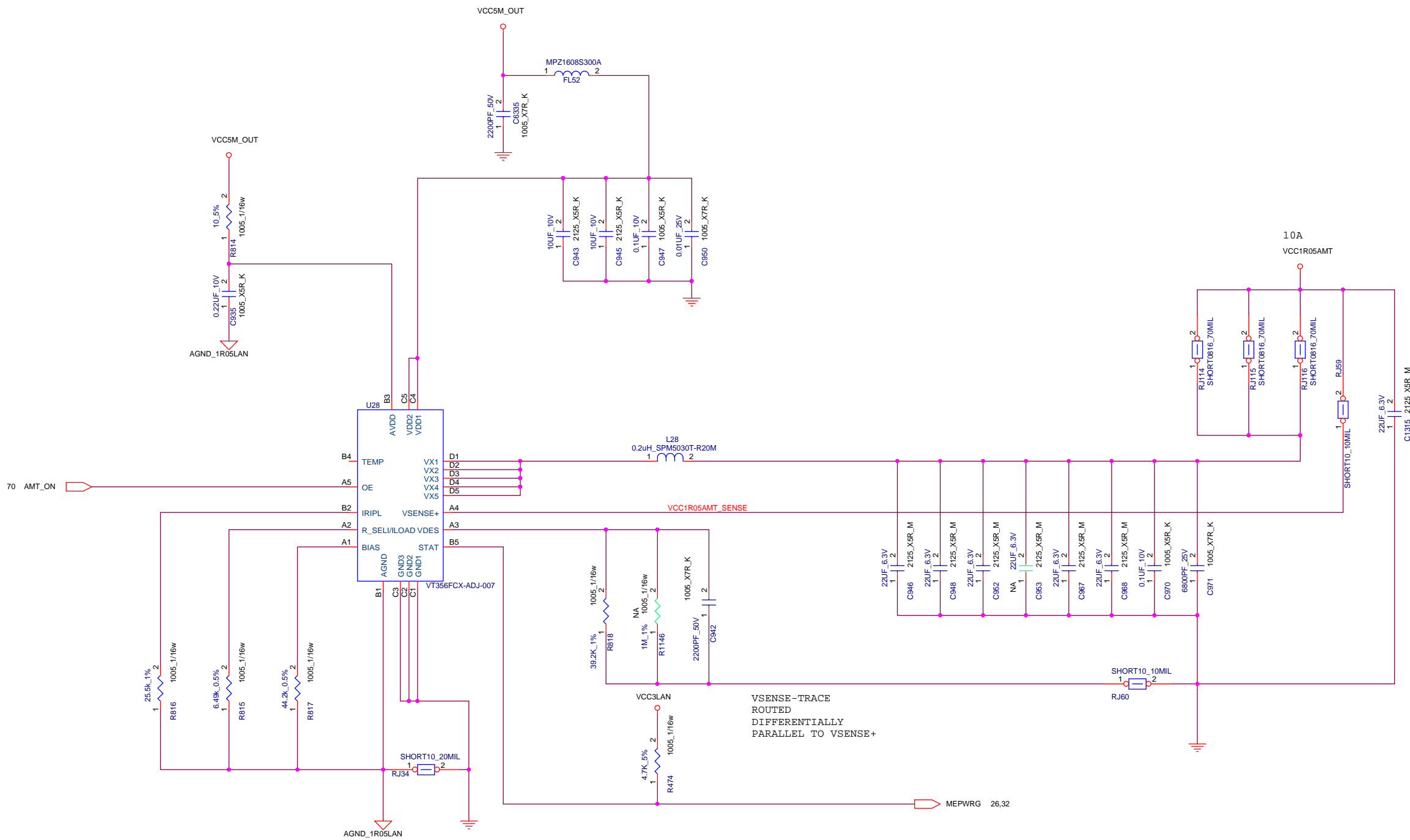


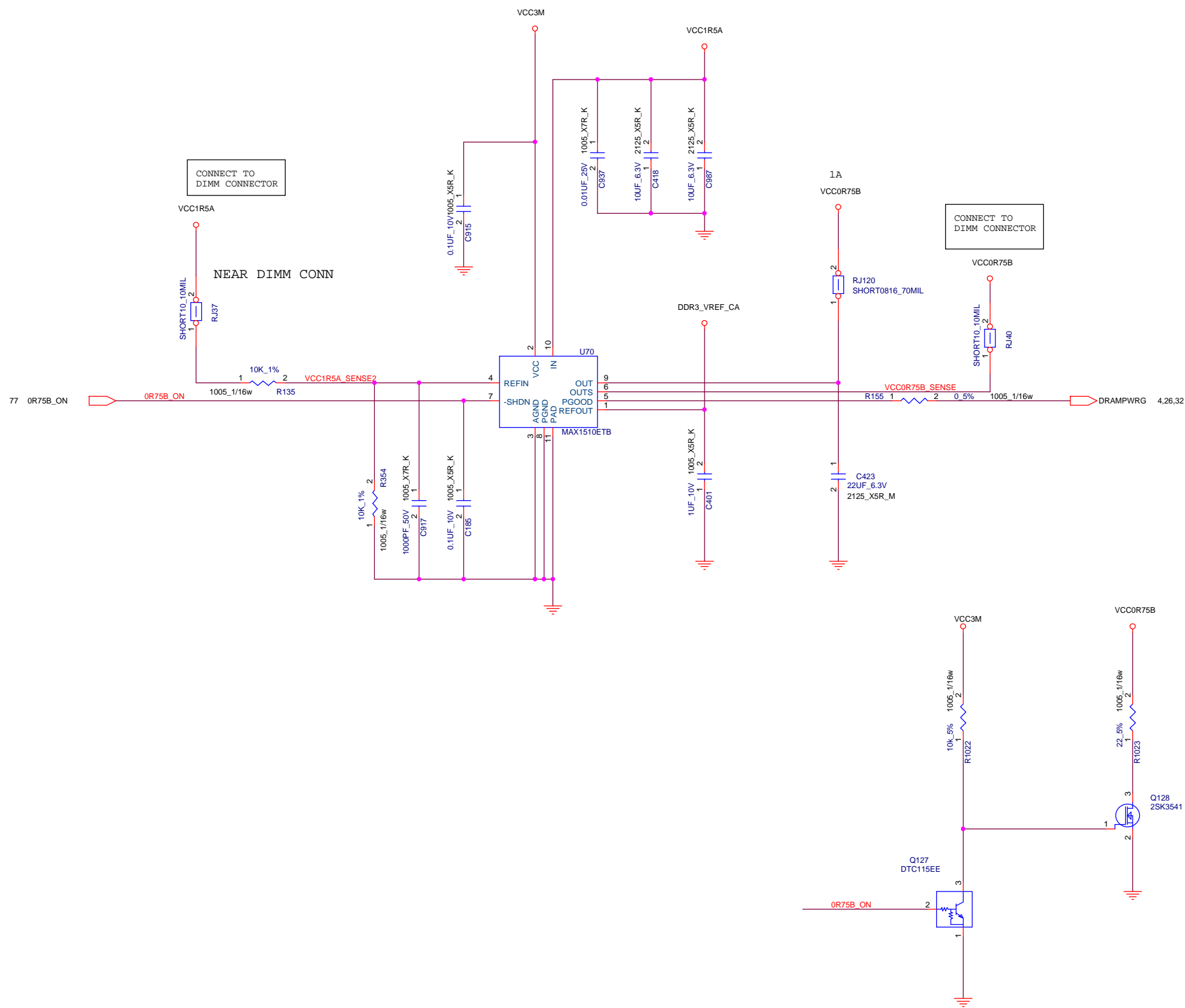
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| Project Name : NZM-4 UMA SOVP | | Title : BLANK | |
| Size : C | Document Number : | | Rev : 7.53 |
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TABLE

lenovo





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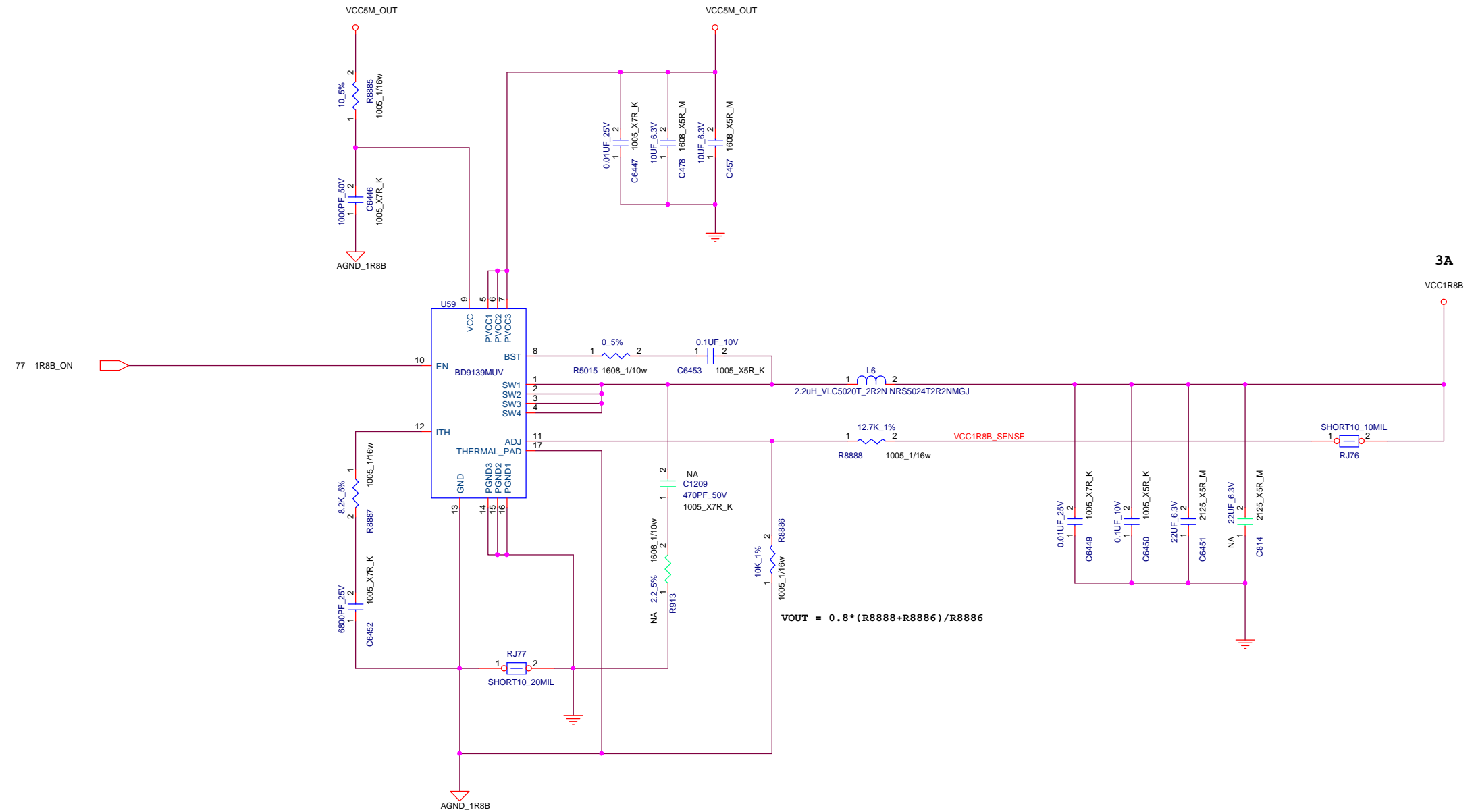


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| Project Name : NZM-4 UMA SOVP | | Title : BLANK | |
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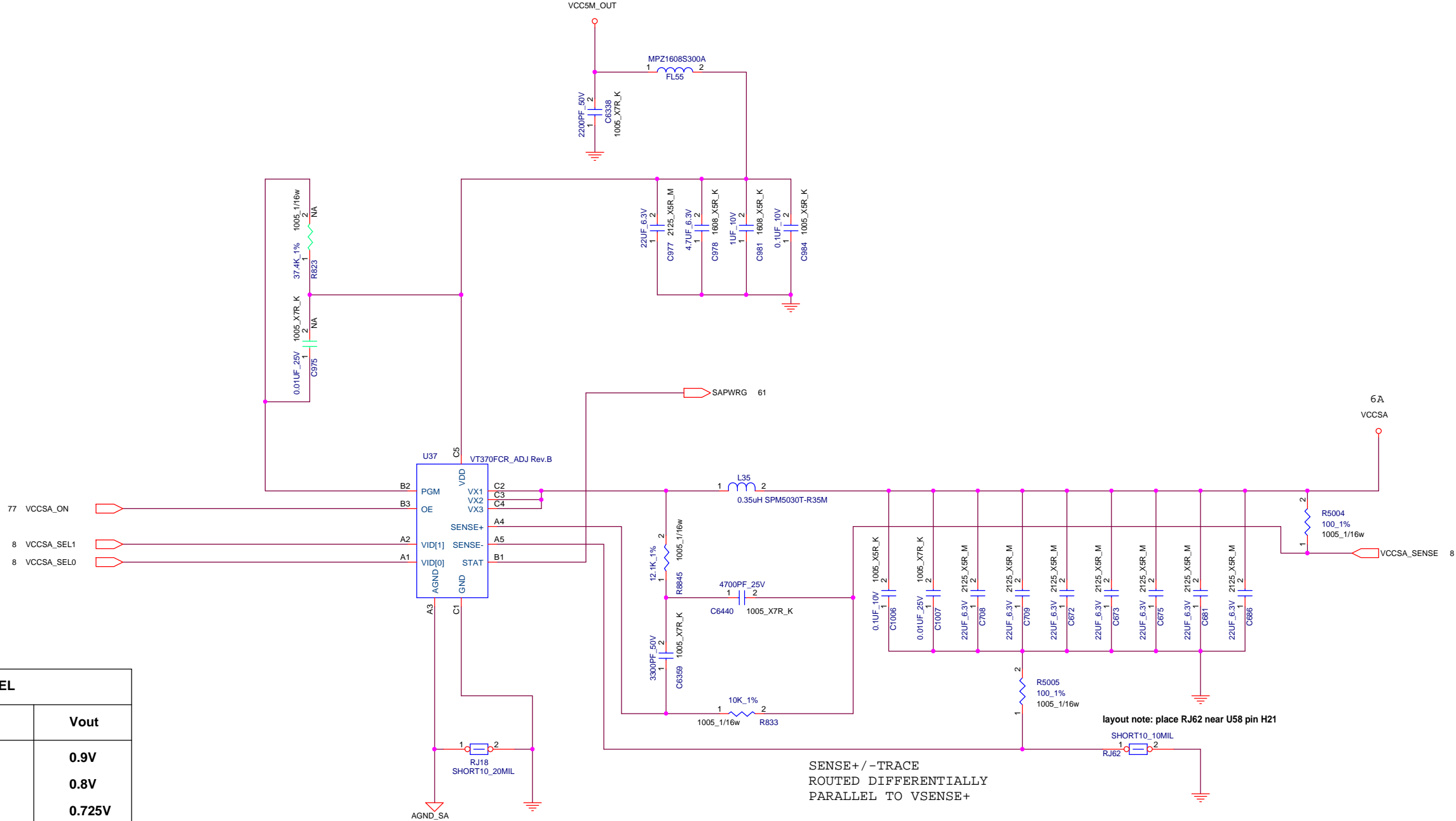
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| Project Name : NZM-4 UMA SOVP | | Title : BLANK | |
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| VCCSA_SEL | | |
|-----------|------|--------|
| VID0 | VID1 | Vout |
| L | L | 0.9V |
| L | H | 0.8V |
| H | L | 0.725V |
| H | H | 0.675V |




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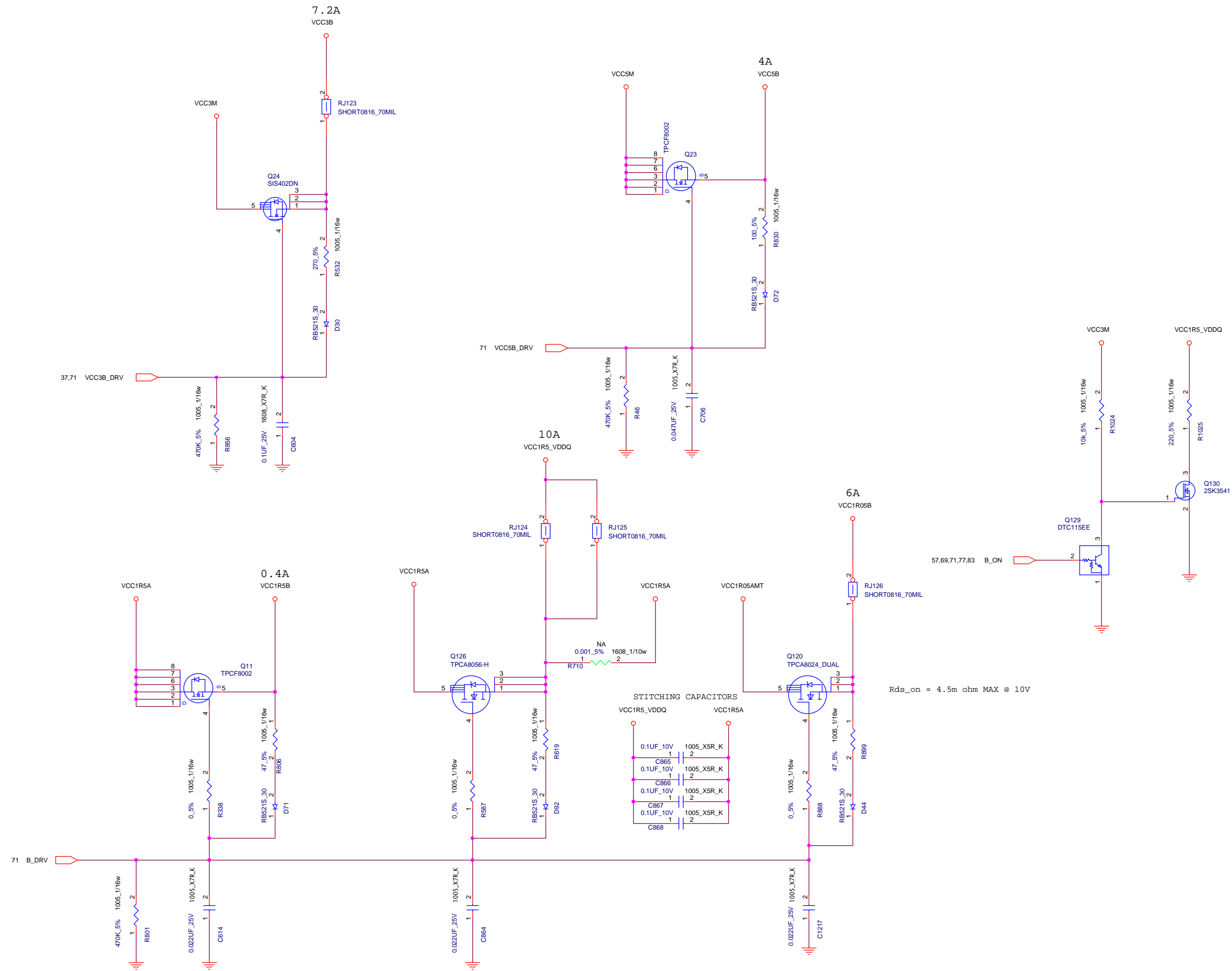
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| Project Name : NZM-4 UMA SOVP | | Title : BLANK | |
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| | | |
|---|-------------------|------------------|
|  | | |
| Project Name : NZM-4 UMA SOVP | | Title : BLANK |
| Size : C | Document Number : | Rev : 7.53 |
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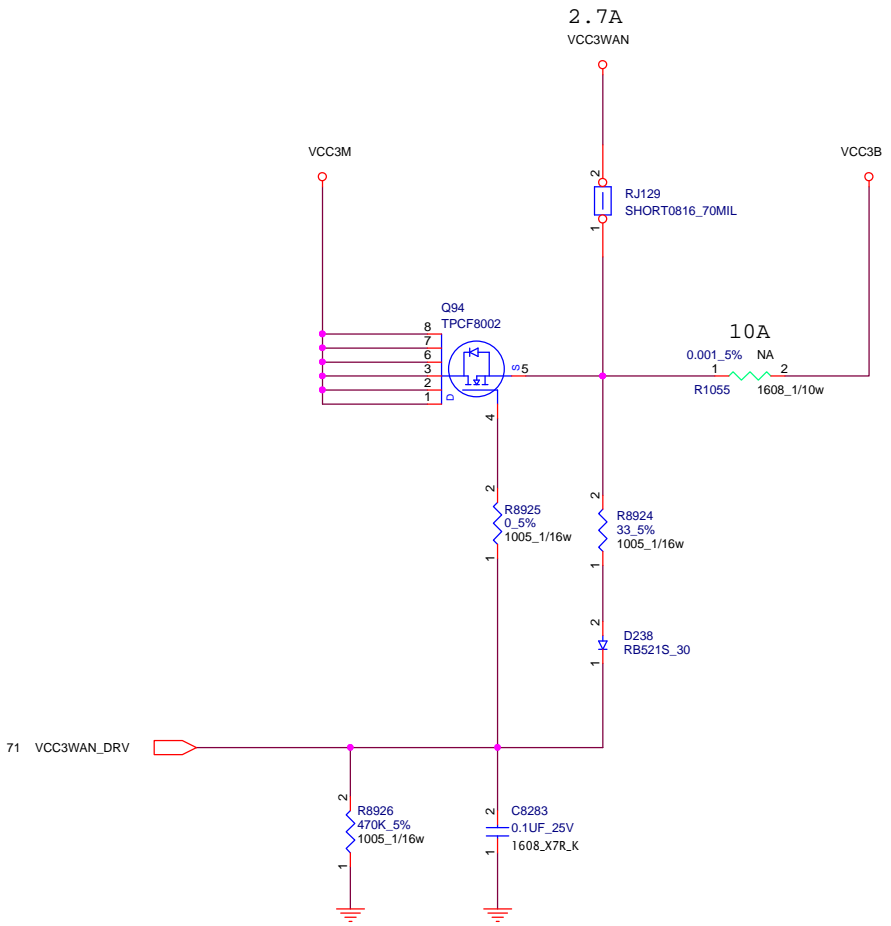
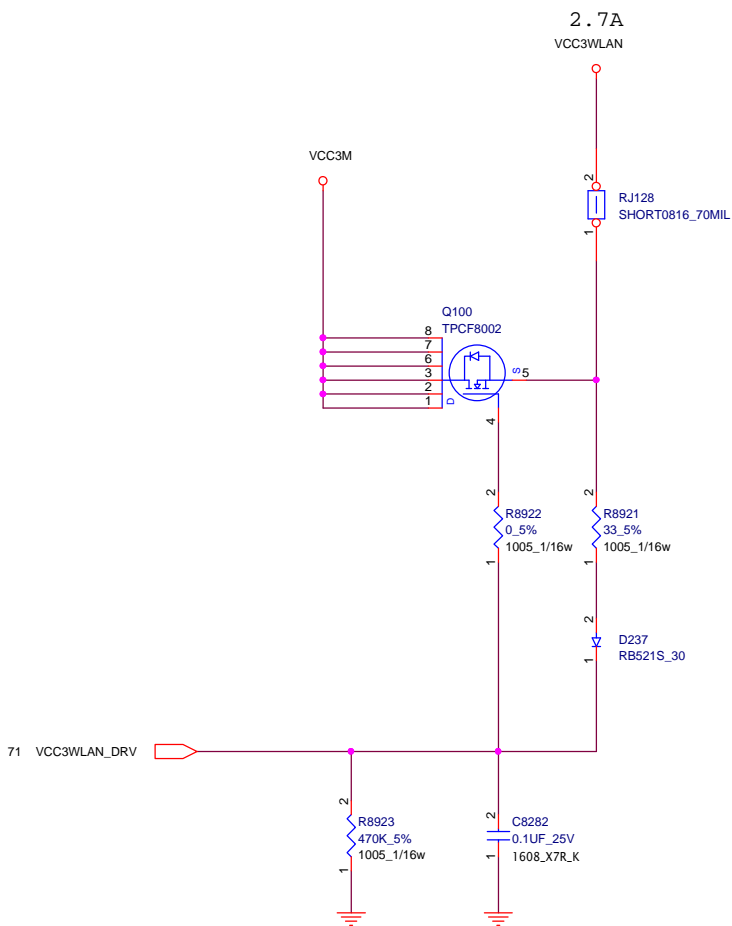


Project Name : NZM-4 UMA SOVP Title : LOAD SW B

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| | |
|------------------------------|------------------|
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|------------------------------|------------------|

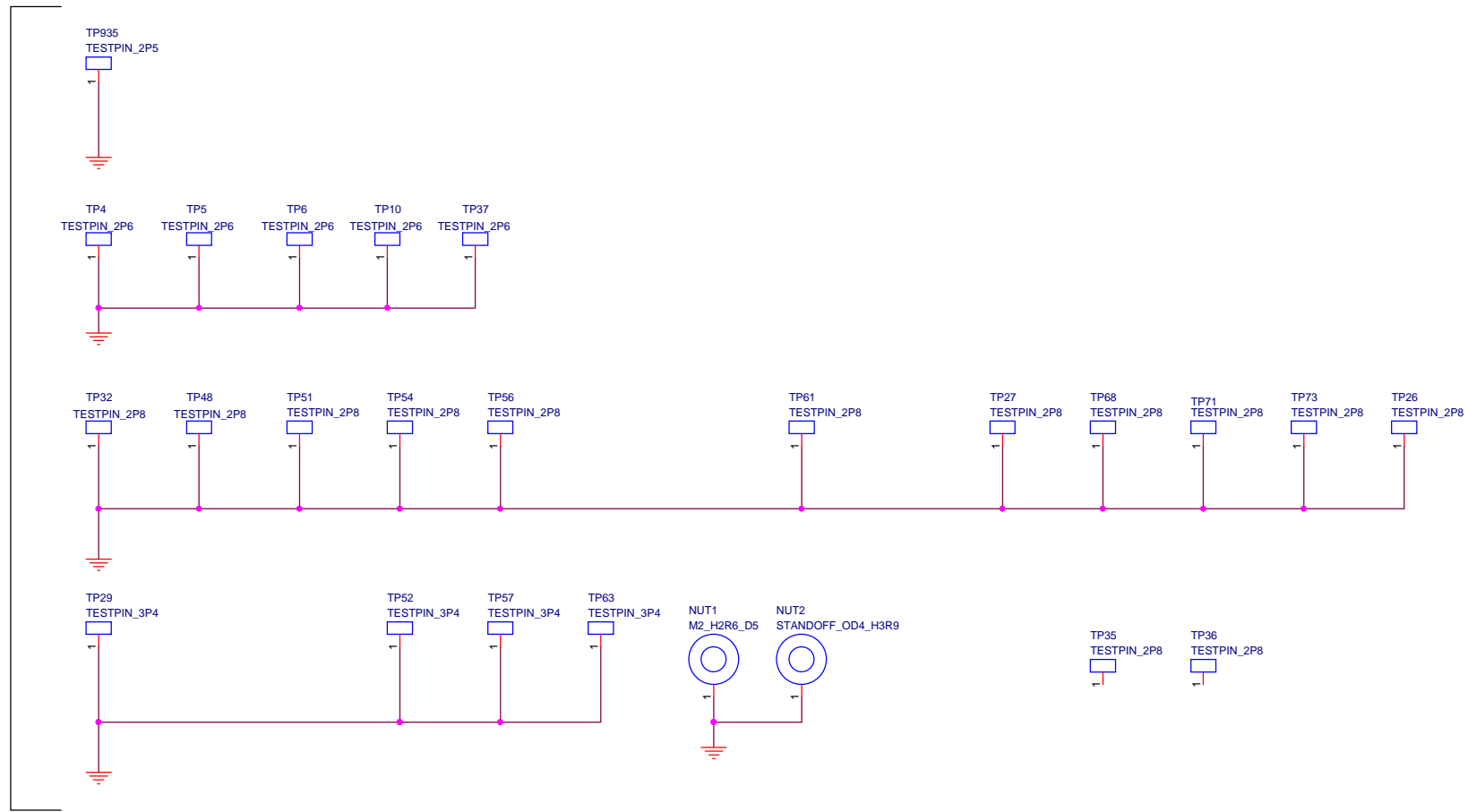


TABLE

| AOAC | YES | NO |
|-------|--------|--------|
| R1055 | NO-ASM | ASM |
| Q94 | ASM | NO-ASM |
| R8924 | ASM | NO-ASM |
| R8925 | ASM | NO-ASM |
| R8926 | ASM | NO-ASM |
| C8283 | ASM | NO-ASM |
| D238 | ASM | NO-ASM |

↑
LOGIC

PTH FOR SCREW HOLE



NPTH



FID
Board Area

- FD1: 1 NC, NO CONNECT TO ANY.
FD2: 1 NC, NO CONNECT TO ANY.
FD3: 1 NC, NO CONNECT TO ANY.
FD4: 1 NC, NO CONNECT TO ANY.
FD5: 1 NC, NO CONNECT TO ANY.
FD6: 1 NC, NO CONNECT TO ANY.

FID
Component Area

- CF1: 1 NC, NO CONNECT TO ANY.
CF2: 1 NC, NO CONNECT TO ANY.
CF3: 1 NC, NO CONNECT TO ANY.
CF4: 1 NC, NO CONNECT TO ANY.
CF5: 1 NC, NO CONNECT TO ANY.
CF6: 1 NC, NO CONNECT TO ANY.
CF7: 1 NC, NO CONNECT TO ANY.
CF8: 1 NC, NO CONNECT TO ANY.
CF9: 1 NC, NO CONNECT TO ANY.
CF10: 1 NC, NO CONNECT TO ANY.
CF15: 1 NC, NO CONNECT TO ANY.
CF16: 1 NC, NO CONNECT TO ANY.
CF17: 1 NC, NO CONNECT TO ANY.
CF18: 1 NC, NO CONNECT TO ANY.
CF19: 1 NC, NO CONNECT TO ANY.
CF20: 1 NC, NO CONNECT TO ANY.
CF21: 1 NC, NO CONNECT TO ANY.
CF22: 1 NC, NO CONNECT TO ANY.
CF23: 1 NC, NO CONNECT TO ANY.
CF24: 1 NC, NO CONNECT TO ANY.
CF25: 1 NC, NO CONNECT TO ANY.
CF26: 1 NC, NO CONNECT TO ANY.